Guides to Special Collections
in the Music Division at the Library of Congress

Dayton C. Miller Flute Collection

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Introduction

Thomas Jefferson's library is the foundation of the collections of the Library of Congress. Congress purchased it to replace the books that had been destroyed in 1814, when the Capitol was burned during the War of 1812. Reflecting Jefferson's universal interests and knowledge, the acquisition established the broad scope of the Library's future collections, which, over the years, were enriched by copyright deposits of books, pictures, maps, music, motion pictures, and many other kinds of material. These were supplemented by purchases, some of which were made possible by substantial gifts such as the Music Division's Coolidge and Whittall foundations. Established primarily to support musical performances, these foundations also extended the scope of the Music Division's acquisitions to musical instruments, and its activities to broadcasting and the commissioning of new works of both music and dance.

No gift, however, has been so richly diverse in format or comprehensive in its coverage of a subject, as the bequest in 1941 by Dayton C. Miller of his collection of books, prints, photographs, music, correspondence, trade catalogs, statuary, and more than fourteen hundred flutes and other wind instruments. It was Miller's vision, ahead of its time, that musical instruments, when preserved in their original condition, are invaluable historical documents. In order to learn how old instruments sound, we are far better served, he believed, by replicating them from original specimens than by trying to repair those specimens, thus destroying their archival value in the process.

An extraordinary individual, Dayton C. Miller of Cleveland, Ohio, devoted much of his life to collecting primary source material for the history and development of the flute, covering every important event, invention, publication, and personality related to this instrument. Dr. Miller, who was born in Strongsville, Ohio, in 1866, was associated with the Case School of Applied Science in Cleveland for over 50 years, first teaching astronomy and later, in 1893, becoming professor in charge of the physics department.

Dr. Miller planned to establish his collection of flutes, books, and related materials as a national archive in the Library of Congress to encourage further scholarly interest in the flute, intending to come to the Library himself as its curator. He died on February 22, 1941, before he was able to carry out his plans for the collection beyond bequeathing it to the nation. The collection was transferred from Dr. Miller’s home in Cleveland to the Library of Congress in the spring and summer of 1941. Since that time, the collection has been enriched by the gifts of a number of instruments and publications.

This new catalog describes the musical instruments in that collection. There are now more than 1,700 flutes and other instruments in the Dayton C. Miller Flute Collection, which includes, as well, statuary, iconography, books, music, tutors, patents, and other materials mostly related to the flute. The Miller Collection contains Western and non-Western instruments from all over the world, and at least 460 European and American instrument makers are represented. The earliest instrument is a Chinese Xun (DCM 1489) which may date as early as 1100 B.C. The collection also includes a few instruments that date to the 1970s. The primary emphasis is on the western flute from about 1700, when the flute first became of importance in western music, to about 1900, when experimental development of the instrument virtually stopped, not to begin again until well after Miller’s death. Highlights from the collection include forty flutes from the workshops of Theobald Boehm, Rudolph Greve and Carl Mendler, Munich; a flute that belonged to King Frederick II of Prussia, designed by his teacher, Joachim Quantz (DCM 916); numerous flutes from the respected house of Rudall Carte, in London; seventeen crystal flutes by Claude Laurent of Paris, one made in 1813 and presented to President James Madison (DCM 378); a gold (22K) flute designed and made primarily by Dayton C. Miller between 1902 and 1905 (DCM 10); over 130 Native North and South American flutes; 17th/18th century jade examples from China; an elegantly decorated early 18th century oboe by Hendrik Richters, Amsterdam (DCM 158); and an

early 19th century ivory clarinet in D (DCM 443). Recent additions include a silver Boehm system flute by William Meinell, New York, with original case, early 20th century (DCM 1432); a pair of silver clarinets (A and B-flat) by William S. Haynes, Boston, with original case, late 1st quarter 20th century (DCM 1431a and 1431b); a seventeen-keyed bassoon, anonymous, late 19th century (DCM 1473); and a soprano sarrusophone made by Buffet-Crampon, Paris, ca. 1920 with original case (DCM 1479).

The current catalog is the cumulative, and, at times, collaborative record that has grown over time through the labors of Dayton C. Miller himself; former Music Division staff members William J. Lichtenwanger, Laura E. Gilliam, and more recently, Catherine Folkers, who has made valuable contributions both as former Curator of the Collection and, independently, as a maker; by staff members Robert E. Sheldon and Carol Lynn Ward Bamford; and by others, principally Mary Jean Simpson, Michael Seyfrit, and Jan Lancaster. We are also indebted to the support and contributions of James Pruett, former Chief of the Music Division, and William Parsons and Robert Palian.

The Dayton C. Miller Flute Collection is currently housed in a secure, climate-controlled vault in the James Madison Building of the Library of Congress, where it may be viewed by appointment. Please address inquiries to: Curator, Dayton C. Miller Collection, Music Division, Library of Congress, Washington, D.C. 20540, or telephone (202) 707-9083. Books and music from the Dayton C. Miller Collection are available in the Performing Arts Reading Room, Madison Building, LM 113, from 8:30 a.m. to 5:30 p.m., Monday through Saturday. The Dayton C. Miller Flute Collection Web site, which includes images of most of the instruments in the collection, can be viewed at: http://memory.loc.gov/ammem/dcmhtml/dmhome.html

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The texts herein were drawn from and quoted in part from various sources, mostly Library of Congress online and print publications, or from the writings of Dayton C. Miller. The principal references are:

Introducing the Dayton C. Miller Flute Collection, by Jon Newsom; *About the Collection* and *Cataloging of the Wind Instruments in the Dayton C. Miller Collection: Conventions and Definitions*, both by Robert E. Sheldon and Carol Lynn Ward Bamford, in *Dayton C. Miller Flute Collection*. Web site. Washington, D.C.: Library of Congress, 2004. http://memory.loc.gov/ammem/dcmhtml/dmhome.html

Dayton C. Miller Collection of Wind Instruments, Madison Building, in *Musical Instrument Collections of the Library of Congress Music Division*, by Robert E. Sheldon and Carol Lynn Ward Bamford. Pamphlet. Washington, D.C.: Library of Congress, 2001.

The Dayton C. Miller Flute Collection in the Library of Congress. Brochure. Library of Congress, 1985.

The Dayton C. Miller Flute Collection: A Checklist of the Instruments. Compiled by Laura E. Gilliam and William Lichtenwanger. Washington, D.C.: Library of Congress, 1961.

Miller, Dayton C. *The Dayton C. Miller Collections Relating to the Flute. II. Catalogue of Books and Literary Material Relating to the Flute and Other Musical Instruments*. Cleveland: Privately printed, 1935.

XXX linear ft.
XXX boxes
ca. XXX,XXX items

Related Link(s):

American memory presentation

Biographical Sketch

The following passage is excerpted from L. Gilliam and W. Lichtenwanger, *The Dayton C. Miller Flute Collection: A Checklist of the Instruments* (Washington, D.C.: Library of Congress, 1961), p. v-vi.

> No one better exemplifies the traditional concept of the practical-minded, ever-curious American scientist than Dayton C. Miller, who was born on a farm (at Strongsville, Ohio, March 13, 1866), grew up under modest circumstances in the small Ohio town of Berea, and worked his way through Baldwin University (later Baldwin-Wallace College).
>
> It is characteristic that at his commencement exercises in 1886 he gave a lecture on "The Sun" and also played a flute solo with orchestral accompaniment (on a flute that unfortunately was not preserved). Later he obtained a doctorate in astronomy at Princeton University under Prof. Charles A. Young, and in 1890 he began an association with the Case School of Applied Science in Cleveland that lasted for over 50 years--first teaching astronomy, later (1893) becoming a professor in charge of the physics department.
>
> In early 1896, on reading accounts of Roentgen's experiments, Professor Miller became one of the first Americans to take an X-ray photograph; beginning in 1900 he associated with Prof. Edward W. Morley in those ether drift experiments that still concern astronomers and mathematicians dealing with Einstein's theory of relativity; in 1908 he introduced the phonodeik, a device that until the invention of electronic oscillators was one of the chief means of converting sound waves into visual images and thus of analyzing all manner of sounds from musical instruments to human speech.
>
> During World War I, at the request of the Government, Dr. Miller studied the physical characteristics of pressure waves caused by the firing of large guns--studies that on the one hand provided material for medical investigations of "shell shock," and on the other hand led to the results eventually reported in his *Sound Waves, Shape and Speed* (1937). Among his other published books one finds *The Science of Musical Sounds* (New York, 1916, revised 1922), *Sparks, Lightning and Cosmic Rays* (1939), and (translated and annotated) Theobald Boehm's *The Flute and Flute-Playing* (1908, revised 1922, reprinted 1960).
>
> Death came to Dr. Miller at Cleveland on February 22, 1941, just as he was preparing to move with his entire collection of flutes, books, and related materials to the Library of Congress, and here complete the varied investigations that remained unfinished and unpublished.
>
> Dr. Miller's interests in acoustics and music-making were chiefly responsible for starting the collection on its way, and are reflected in his collection of flutes and wind instruments. Flute nos. 8 and 10 show Dayton C. Miller as both the theoretical scientist and the expert craftsman; the first is of silver and the second of gold, and this concern with the properties of different materials for musical instruments was a major factor in his development of the phonodeik and in the many acoustical experiments he subsequently carried out using examples in his collection. (When interrupted by his war work of 1917-19 he had started plans for a platinum flute that were never resumed.) It is interesting to note that a great part of the collection, close to 85 percent, was acquired after Dr. Miller had passed his 50th birthday.

For a detailed biographical account of Miller, see William J. Maynard's "Dayton C. Miller: His Life, Work, and Contributions as a Scientist and Organologist" (master's thesis, Long Island University, 1971), made available here with permission from the author.

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See also Miller's *The Science of Musical Sounds* (New York, 1916), incorporating the results of his charting of instrument waveforms, and his *Anecdotal History of the Science of Sound* (New York, 1935), the first general history of acoustical studies.

Scope and Content Note

The new catalog we are now publishing online and, eventually, in print, is essentially a second enlarged edition of the *Dayton C. Miller Flute Collection: A Checklist of the Instruments*, compiled by Laura E. Gilliam and William J. Lichtenwanger (Washington, D.C.: Library of Congress, 1961). It is offered partially to answer various inquiries about our instrument holdings. Most researchers will need to use only portions of it for specialized areas, such as the work of one maker or a particular period, place, or ethnic topic. Moreover, we have observed that follow-up inquiries frequently progress to appointments for making personal observations and measurements rather than requests for whatever additional information might be contained in an illustrated museum catalog.

This catalog has been compiled to revise and slightly expand information about the flutes and other wind instruments collected by Dayton C. Miller (DCM). New information and observations about many specimens have surfaced frequently since the 1961 checklist and more instruments have been accessioned in the spirit Dr. Miller would have endorsed had he lived to realize the plan of continuing as Honorary Curator of his collection at the Library. He died in 1941 just before the collection was moved from his home in Cleveland to Washington, D.C.

We have corrected and updated terminology from the 1961 checklist, although we acknowledge that terminology is still subject to varying usage. In the case of certain instruments, especially non-Western, we assume that Dr. Miller sometimes took at face value the nomenclature or identification offered by sellers or donors. For a European example, several flageolets (vertical whistle flutes) of neither French nor English origin were accepted by Dr. Miller as Csakans, so-called, and in this catalog we will continue to use that term. It may or may not be the most accurate term for the objects involved, but it was understood by Dr. Miller to be accurate or sufficient at the time.

A few rather obvious identification errors have been addressed in this catalog, such as instrument DCM 36, a late nineteenth-century boxwood four-keyed flute of inexpensive quality which Dr. Miller obtained from a 1913 estate sale in Cleveland. When acquired, the instrument had a late nineteenth-century brass cornet mute jammed over the end of its foot joint which was left as such and identified in Miller's ledger book as an "experimental brass bell." The mute is now DCM 1435 and becomes one of several nonwoodwind-related items in the collection. Why the two objects would be left joined together in the holdings of a knowledgeable collector is an entertaining mystery, but as a physicist and acoustician there is strong precedent for Dr. Miller acquiring an interesting brasswind item which he might have thought to have some future value for acoustical research. Miller's vast library of music-related materials includes, for example, dozens of wind instrument patents from France, Germany, Belgium, the U.K., and the U.S.A., including most of the important American nineteenth-century brasswind patents granted to such American brass-band-movement manufacturing luminaries as Isaac Fiske, Henry Lennert, and Charles Gerard Conn.

It appears that Dr. Miller's philosophy of collecting was simple and practical. He considered no objects to be unimportant, and he realized that it was expedient to collect any and all objects immediately rather than to wait and later discover them to be unavailable. His was an ideal era for collecting (ca. 1890 until his death in 1941), for it offered little competition and almost comically affordable prices by current standards.

The collection contains, for example, eighteen crystal flutes from the early nineteenth-century Paris workshop of Claude Laurent, at least one of them, DCM 1063, actually being the work of J. D. Breton, an associate of Laurent who succeeded him ca. 1844. None of the eighteen was overly expensive for Dr. Miller to acquire. On the relatively high end was DCM 378, an instrument presented to President James Madison in 1813

and which once had been on exhibit at the U.S. National Museum (Smithsonian Institution) before 1903. The cost to Miller in 1923 was $200 plus $3.30 for packing and shipping. If sold at auction today, a six-digit figure is easily feasible. In addition to numerous other instruments, several of the crystal flutes were purchased from or through the prestigious London firm of Rudall Carte & Co. From Miller's correspondence, it is clear that he had established a warm and mutually respectful relationship with them and that the firm was only too happy to bring any available items of interest to his attention. In 1940, for example, Rudall Carte extended to Miller the courtesy of removing an 1815 Laurent glass flute (DCM 1400) from their own exhibit cases and turning it over to him for a mere 10 pounds British sterling (about $40 at that time, according to Dr. Miller's ledger book).

It also appears that his attitude regarding quality was equally all-inclusive: again, he considered no object unimportant or uninteresting. The collection contains, for example, several Asian, Native American, and other specimens which, although in effect they are real instruments, appear to have been made for tourist and souvenir sales. Several others seem to be failed attempts at constructing replica instruments during the initial phases of the early music (or period instrument) movement. However, the quality of much of the collection is high and displays examples of pristine craftsmanship involving precious metals, ivory, jade, tortoise shell, and nearly every wood traditionally associated with woodwind instrument construction. Two of the better quality examples (DCM 8 and 10) are flutes of Dr. Miller's own design and which involved major elements of construction on his part.

The collection also includes numerous examples of advanced technical developments from the nineteenth and early twentieth centuries, including five versions of Cornelius Ward's patent flute system (late second-quarter, nineteenth century) which exceeds Theobald Boehm's venting ideals for the plan of open standing keys. It thus requires the lowest two or four keys to involve a novel but awkward cable system for manipulation by the left thumb. The collection has as another splendid British contribution of skillful engineering to compete with Boehm's venting and large bore proportions theories; eight examples of the John Clinton "Equisonant" flute, of which the cylindrical bore versions (DCM 109 and 128) incorporate large toneholes that exceed Boehm's in size and increase in diameter down the length of the tube, nearly sharing the full bore diameter in the foot joint. Carrying the large, fully vented tonehole concept to its logical extreme is DCM 252, a metal Boehm-system flute (British patent no. 2943) with large (nearly bore diameter-width) rectangular shaped toneholes and keys, made by Gautrot-Marquet, Paris, a firm once well known for good quality saxophones and sarrusophones.

The collection also includes other attempted innovations such as an early twentieth-century Nicholas Alberti patent piccolo which supposedly works as both a C and D-flat instrument. In addition to its instant key change slide, the body piece also has a double tube arrangement which shifts inner tube round toneholes to either end of oblong toneholes on the outer tube (see DCM 126). Carrying the same idea further and nearer to the absurd is DCM 1059, an 1862 patent Boehm system metal clarinet which, like typical cornets with mechanisms for quick change between A and B-flat, also shifts instantly between those two pitches for theater and pit orchestra use. Rotating the bell a number of degrees relocates a set of inner tube toneholes to align with another complete set of toneholes and keywork on the outer tube.

At the time of his bequest, Miller's collection consisted of over 1,400 instruments; 3,000 books about music, including such rarities as the Luke Heron tutor, *A Treatise on the German Flute*, 1771, Dublin and London; over 10,000 pieces consisted of sheet music, mostly but not exclusively flute-related; numerous patents; trade catalogs and correspondence from most of the wind instrument manufacturers offering flutes during Miller's collecting years; flutists' portraits, photographs, autographs, and correspondence; news clippings and articles; graphics such as prints, etchings, and lithographs (mostly pictures of flutists and pipers), and over sixty figurines including three bronzes and three finely carved ivory netsukes; plus other music-related ephemera. In view of all this, it may be fair to say that Miller gradually developed the largest private collection of diverse objects ever assembled pertaining (mostly) to one subject in the musical arts. The world of music is

indebted to Dayton C. Miller for his work and for his decision to place his collection at the Library of Congress, the only institution at the time of his bequest willing to honor his condition that it remain intact.

Like other special collections at the Library, the Miller Collection continues to grow whenever generous donors see fit to enrich it. A recent example was the receipt of a rare matched pair of professional model A and B-flat sterling silver, double-wall clarinets (DCM 1431a and 1431b), with original case, made by the highly respected Boston firm of William S. Haynes, whose flutes are well-represented in the Miller Collection with eleven examples.

We are indebted to many professional instrument makers and other knowledgeable visitors who have made valuable observations and suggestions regarding improved information about probable maker identifications, dates, and provenance for many of the objects. In particular we are grateful for the contributions of makers Jean-François Beaudin, Robert Gilliam-Turner, Friedrich von Huene, Hammy Hamilton, Ardal Powell, and a long list of others who have left copies of their machine line drawings or other specifications developed while examining specimens in the collections.

Researchers, collectors, performers, and antique instrument dealers have also given advice, among them Marianne Betz, Tony Bingham, Geoffrey Burgess, Jeffrey Cohan, Sandra Flesher, Stephen Hammer, Dr. Herbert Heyde, John Lagerquist, Mary Oleskiewicz, Frederick Oster, David Shorey, Peter Thalheimer, Nancy Toff, and Ludwig Boehm whose great-great grandfather's work is represented in the collection by forty instruments (several being the only known examples) and numerous library materials from or about the innovative manufacturing establishment of Theobald Boehm.

Various visitors who specialize in non-Western or Native American music and instruments have given assistance. They include members of the International Shakuhachi Society, Iris Brooks, and staff from the Library's own American Folklife Center. We wish to extend special thanks to Betty Austin Hensley for assistance in checking accuracy, current best nomenclature, and other information about the ethnic flute specimens in the Collection.

Contributed by Robert E. Sheldon and Carol Lynn Ward Bamford.

Description of Series

Unit Id	*Series*
0001-1684	**FLUTES OF DAYTON C. MILLER**

Dayton C. Miller himself best describes the building of his collection of flutes and materials related to the flute in the Foreword to his *Catalogue of Books and Literary Material relating to the Flute and other Musical Instruments* (Cleveland: Privately printed, 1935). He states:

> "For many years the writer [Miller] has made every effort, with the assistance of many friends in various parts of the world, to gather all available material relating to the flute, always proceeding critically and systematically, for the purpose of setting forth the history and development of the modern flute as an essential factor in the fine art of music. This material may be considered as constituting five separate collections. I. Flutes and flute-like instruments numbering 1250 specimens (1934), indexed and classified under seven different categories; types, makers, places of origin, sources from which secured, etc. II. Books and literary material relating to the flute and other musical instruments. This collection includes books and pamphlets, short magazine articles, newspaper clippings, concert programs, maker's catalogues and price-lists, index of poetical quotations, patent specifications, novels, etc. III. Music for the flute, consisting of about 10,000 titles, indexed in four ways, accessions, composers, titles, and instrumentation. This collection is especially rich in 17th and 18th century music. IV. Works of art relating to the flute, pictures and sculpture. With indexes. V. Portraits of flutists and composers for the flute. Autographs of flutists."

The first series, "I. Flutes and flute-like instruments..." is cataloged here. This collection now contains over 1,700 flutes and wind instruments. The catalog records are arranged according to Miller's original numbering system based on the accession date in his ledger books. Miller's ledger books also provided a wealth of information on the instruments at the time of acquisition that included his sketches of the maker's marks, measurements, descriptions of the instruments and their condition, excerpts from his correspondence with former owners of the instruments, dealers, or scholars, and provenance. In recent years, every instrument has been re-examined, re-measured, and researched by the former and present curators of the Dayton C. Miller Collection, Robert E. Sheldon and Carol Lynn Ward Bamford. Miller's information has been carefully reviewed and assessed and Miller's original information has been revised or supplemented to incorporate modern scholarship. The current catalog

includes, as well, more thorough descriptions of the instruments along with an analysis of their present condition.

Information for this catalog was compiled in fifteen computer database fields, but the names of the fields do not appear in the catalog; and, any field for which information is unavailable or which does not apply has been omitted. The catalog fields appear in the following order, and a description of each field appears below:

Item ID | Instrument or Object Type | Maker Name | Maker Place | Maker Date | Materials | Keys, Holes, System | Physical Description | Measurement | Mark Maximum | Mark Additional | Notes | Case | Condition | Provenance

1. **Item ID:** This refers to the DCM number: i.e., Dayton C. Miller's chronological accession numbering system. Note: Miller's music-related library materials were also numbered chronologically as he collected each item. The book collection is cataloged under call numbers ML30.4 and ML30.4b, followed by accession number, and the music is cataloged under ML30.4c, followed by accession number.

2. **Instrument or Object Type:** The key of the instrument is given if it is reasonably certain. In cases where a key has been indicated by the manufacturer according to an obsolete system (see "Flute Misnomers"), we give the actual key, followed by the obsolete key designation as marked on the instrument (e.g., "Fife in A-flat/"B" [B-flat]"; see "Flute Misnomers"). In the case of folk instruments, key designations have been omitted in this catalog for two reasons. In the first place, despite the fact that the very concept of key in the Western tradition may not apply to such instruments, Miller attempted to assign keys to them based on the lowest pitch or another pitch resulting from an arbitrary fingering, or unreliable information from his sources for the instruments. In the second place, many of the more stable notes on such instruments can easily be nudged a semitone or more in either direction, which was probably a useful expressive feature within the folk tradition but makes pitch difficult to determine.

3. **Maker Name:** Our principal authority for maker name, date(s), and place is *The New Langwill Index*, by William Waterhouse (London: Tony Bingham, 1993). This field will show either the actual maker or the distributor. An instrument marked METZLER / LONDON, for example, may only indicate an object obtained by contract with another manufacturer. A frequently encountered example is "nach H. F. Meyer, Hannover," which appears on numerous

late-nineteenth- and early-twentieth-century simple-system flutes. (See “Meyer-Albert: Systematic Misnomers.”)

4. **Maker Place:** As with “Maker Name,” this may refer either to the manufacturer or to a seller/distributor.

5. **Maker Date:** We give a precise date when known. Otherwise, we use abbreviations as in *The New Langwill Index*: a (ante), c (century: e.g., late 18c, 19c), ca. (circa), and p (post).

6. **Materials:** Materials are given for the larger portions, such as the body, of each object followed by the smaller elements, such as keys and ferrules, which are so identified. For example, “cocus” means that the body and any other portions made of the same material such as a head joint cap, clarinet mouthpiece, and so forth are made of cocus wood; while such examples as “silver keys,” “ivory ferrules,” or “pewter plugs” mean that the parts named are made of the materials indicated.

For the identification of materials, we have relied partly on the best guess when necessary. “Silver,” for example, may refer either to solid alloy, such as sterling, or to silver plate. The authors welcome opinions and observations on this and other matters from specialists. In some cases we simply follow Miller’s statements in his notebook entries regarding material or other matters. Such commentary in any field is preceded by the initials “DCM.”

Woods frequently present an identity problem. “Cocus” and “rosewood,” for example, may appear to be quite similar. If not verified in maker catalogs, our use of the term “cocus” means that the grain appears relatively tight and that cocus is the more commonly expected wood for the type of instrument involved. “Rosewood” means that the grain is more open and closer to what one sees in rosewood furniture and piano case veneers. “Ebony” in instrument building is essentially a generic term for any of several tropical dark woods of great density, and our identification as such is no more precise than that. Grenadilla may be mistaken for ebony because it is often stained dark enough to obliterate the subtle reddish or amber/maroon colors of its natural state. Our use of the term grenadilla may either indicate reasonable confirmation by makers' catalogs, or follow the commentary by Miller who, in turn, may have relied on information from his source.

7. **Keys, Holes, System:** All simple keyless flutes or reed pipes with fingerholes are designated by the number of

thumbholes and/or front fingerholes. For example, a standard treble recorder such as DCM 127, which has the expected upper thumb hole and seven fingerholes, is designated "1/7." Another example, such as the Chinese *di*, which is without a thumbhole but includes extra holes above and beneath its fingerholes, we designate "0/6 plus membrane hole, 2 tassel holes, plus 2 vent holes." We designate certain other instruments such as flageolets, which may vary from being keyless to multikeyed, as "0/6," "1/6," "2/6," and so forth, followed by a brief description of added keywork.

"Principal rank" refers to the six principal front fingerholes or key-covered toneholes common to all Western and many other woodwinds regardless of any added keywork, however complex, and/or the presence of any duplicate venting toneholes functioning as part of that principal rank.

Flutes described as "Boehm-system" are understood to be of the later cylindrical-bore design with three sections unless stated otherwise. The numerical designation discussed above for back and front fingerholes does not apply to such instruments or to others having elaborate named or patented key and venting systems.

"Simple system" refers to any model of transverse flute, conical or (later) cylindrical, that is essentially a developed version of the early flute having six fingerholes plus a seventh (E-flat, D-sharp) operated by a closed-standing key and further mechanized by the addition of mostly closed-standing keys above the E-flat key and, if extended to play lower than written D above middle C, open-standing keys beneath the E-flat key. Initially such instruments received improvements only in the form of added key-operated toneholes with little or no revision of the principal rank. Later versions eventually became anything but simple, often having more keys than the average Boehm-system flute. This is also true of the clarinet, the Boehm-Klosé version of which at least appears to be simpler mechanically than the later highly developed versions of simple-system clarinets such as those from Oehler in Berlin. Examples of the Boehm-system oboe are mechanically more simple and streamlined when compared to the full conservatory model in current use. Numerous cylindrical-bore flutes were developed with elaborately revised simple-system-based fingering schemes that embraced nearly all of Boehm's acoustic and venting innovations other than his actual spin-off fingering system. Many similar flutes of the nineteenth century liberally combined elements of the Boehm system

with other systems, often with great logic. The Miller Collection has examples of nearly every such innovation from the nineteenth century.

Such work continued throughout the twentieth century, perhaps the most unique example being the Murray flute, a model developed in the 1970s by Alexander Murray that extends venting principles in ways that Boehm might well have found ideal although too advanced to realize sales during his working period. The Miller Collection has two versions of the Murray flute (DCM 1485 and 1486) donated by the W. T. Armstrong Company of Elkhart, Indiana. (see also “Key and Key Mounting Nomenclature”)

8. **Physical Description:** This field includes such descriptive elements as number of principal parts for each object, mechanical aspects, patent citations, and so forth. Instrumentalists and manufacturers usually describe segmented woodwinds as being in “joints,” whereas museum curators and musicologists may prefer to speak of sections or pieces. We accept all these terms. Objects may be described as having a total number of principal sections, which are further defined in specific terms. For example, a recorder or transverse flute having three sections includes the head joint (or head), center joint (or body), and foot joint (or foot). A transverse flute having four sections includes the head joint (or head), upper body joint (usually for left hand), lower body joint (usually for right hand), and foot joint (or foot).

A flute head joint equipped with a metal tuning slide, and therefore in two parts, includes two sections, the lower of which is called the barrel or head joint barrel. However, such a two-section head joint is not separated when the instrument is not in use or placed in its case. An owner or player of such a two-part head joint instrument may consider the head joint to constitute two separate elements and thereby, in concept, refer to a four-joint flute as being in five pieces. That is often the case when such an instrument is acquired and brought to the attention of museum staff or collectors for identification. Such head-joint design is cited in this catalog as being in one part, i.e., the head joint. The same principle applies to other instruments such as flageolets, whose multisection upper unit is functionally one piece (and is described as one piece), though it can be broken down into a multisection upper-unit fipple section and, above it, a one- or two-section windway usually having a sponge chamber and a detachable mouthpiece.

We offer the words of Miller himself (DCM), either in full or in paraphrase, for objects that are difficult to describe.

"Transverse flute" refers to any variety of horizontally held instrument (also known as a "cross flute") played by blowing across a lateral embouchure hole near the end which is closed by any means ranging from a simple natural septum (as in bamboo) to a mechanical device that adjusts the position of a cork plug for tuning purposes. If that device incorporates a threaded rod design allowing the cork to be advanced or retracted by rotating the head-joint cap, the device is called the "cork-setting mechanism."

"Whistle flute" (also known as "duct flute" or "fipple flute") refers to any variety of instrument (such as the ocarina) that is played by blowing into a duct or windway conducting the airstream over an edge, which is also termed the "fipple" or "labium." However, "fipple" can also apply to the entire sound-generating structure, typically including, for example, the "block," forming the "air channel" (or duct), and the "edge" (or labium) of the head joint of a recorder or flageolet.

"Whistle" applies to any duct flute that is intended to produce only one pitch or overtones (or, rarely, only a few pitches) from its fundamental first partial. Generally, whistles have few or no fingerholes. An exception is the tabor pipe, which must be categorized as a vertical whistle flute on which one plays only in the high overtones, thus allowing an extended, fully diatonic and partly chromatic scale by means of a three-fingerhole system.

"End-blown notched flute" or just "notched flute" refers to any vertical flute provided with an edge (or "notch") cut on one side of the open upper end across which the player must direct the airstream. The Japanese *shakuhachi* may be the most efficient instrument using this principle. Its relatively thick bamboo wall affords a wide, deep, clean edge with a relatively shallow notch. Other instruments in this category made from thinner-walled materials involve a narrower and more steeply cut notch, making them harder to play. An elegant example of this type in the Miller Collection is the Chinese jade flute, *feng huang xiao*, DCM 493.

"End-blown flute" refers to a variation on the above which is without a notch but has instead an open, tapered upper end to produce a continuous edge around the circumference. The East European *kaval*, DCM 114, is a good example.

9. **Measurement:** All of the instruments have been remeasured and the dimensions have been revised for many of the specimens. Like the checklist, such measurements involve only overall dimensions for the purposes of positive identification in conformity with standard museum practice. For nontubular objects, such as Central American ceramic whistles, we give two or three dimensions to define the maximum size at obvious points. We have measured tubular instruments, whether straight, curved, or angled, not for acoustically useful information but in order to define the maximum dimension in a straight line between obvious extremities. For example, the Kies angular *cor anglais*, DCM 1117, outlines an obtuse triangle and we have measured the longest side of that triangle, minus the bocal.

We have measured all jointed, segmented, and otherwise dimensionally adjustable specimens in their shortest, most compressed form with all joints and registers (foot-joint tuning slides) fully inserted into their respective sockets. In the case of those transverse or cross flutes with a cork setting mechanism in which the threaded rod shaft, which is used to adjust the cork, perforates the entire cap, exposing variable lengths beyond it, our measurements omit the exposed end. We have measured all instruments as they are, even if the dimensions of missing elements are common knowledge and could be estimated.

10. **Mark Maximum:** No matter how many times a marking appears on an instrument, we record it only once in this catalog, noting the location of each mark.

11. **Mark Additional:** This field supplements the Mark Maximum field with markings such as dealership markings and apparent former ownership initials, as well as information on engraved plaques.

12. **Notes:** This field includes additional information about design or usage, in which Miller's comments and observations often appear.

13. **Case:** Cases are numbered and stored separately from the flutes. Notes and information on the cases are also derived from the DCM ledger.

14. **Condition:** Here, we address major matters such as missing parts or damage affecting playability that would call for treatment were the instruments intended for use rather than study as museum pieces. We do not, as a rule, address small matters such as scratches or chips.

Transverse flutes of the nineteenth and early twentieth century having a full or partially metal-lined head joint including a tuning slide are very susceptible to cracks. The outer material, usually wood or ivory, must eventually succumb to shrinkage and is further stressed by the more stable metal tubing within. Most such metal-lined head joints have cracked, and that is certainly true of those in the Miller Collection. A few of the entries in Dr. Miller's ledger books even record the day a particular instrument cracked. DCM 324, a boxwood Rudall & Rose flute, is a good example. Dr. Miller writes, "Head cracked April 30, 1923," having received the instrument only four days earlier on April 26th. Writing about DCM 315, an Italian 5-keyed boxwood flute, he comments: "Received in fine condition. Head cracked within three weeks." For DCM 317, an ivory 8-keyed flute by the London firm of Louis Drouet, Dr. Miller admits to attempting a crack-prevention treatment (March 1923) that would be considered unacceptable by today's conservation ethics. He writes: "Metal lining slit by D.C.M. to save ivory. Fine specimen." Even so, the head joint subsequently cracked.

15. **Provenance:** The source from which Miller acquired his instruments is often of historical interest. While most questions of provenance appear in the Notes field, this field addresses Miller's sources.

Contributed by Robert E. Sheldon and Carol Lynn Ward Bamford.

Container List

FLUTES OF DAYTON C. MILLER

Unit Id	*Contents*
0001	**Instrument Type:** Fife (Fragment) **Maker Name:** Edward Hopkins, Jr. **Maker Place:** Troy, New York **Maker Date:** ca. 1860 **Materials:** Cocus, nickel silver end ferrule, pewter mouthpiece (portion). **Physical Description:** Fragment. **Measurement:** 38.65 cm. **Notes:** DCM ledger: "Army Fife…formerly had a lead mouthpiece fitted on; the blow-pipe has been cut away, leaving the lead ring around body. Also had a silver ferrule with inscription, now lost. This fife was used in a Fife and Drum Corps in the war of 1861 by ? and by my father C.W.D. Miller in the 'Squirrel Hunters.' This fife was in the 'Shaker' basket of babyhood playthings, the earliest of my remembrances. It was then whole. But is was 'banged around' on the floor baby-fashion, and was used, as I grew, as a general stick and plaything, and was broken in my childhood. It was broken before I really began to play music. The first tunes were learned on a later tin fife. Among my childhood playthings were also an old boxwood clarinet with flat brass keys, ivory rings, and a violin, which had belonged to my grandfather Miller. These disappeared in boy-hood days. With the fife, clarinet, and violin, from baby-hood on, I became familiar with three distinct types of instruments. I made trials upon all, and used them for boyhood 'circus parades', etc." **Condition:** Lower half cracked away and missing at 2nd fingerhole; remaining portion cracked in 5 places. For added mouthpiece condition, see DCM comment in Notes. Digital image available
0002	**Instrument Type:** Piccolo in C **Maker Name:** Anonymous **Maker Date:** ca. 1880 **Materials:** Cocus, ivory head joint with metal tuning slide, nickel silver cap, keys and ferrules. **Keys Holes System:** 6 keys, post and rod, modern style key cups. **Physical Description:** 2 sections, tuning slide in head, conical. **Measurement:** 29.8 cm. **Notes:** DCM ledger: "This piccolo was used by D.C.M. in the 'Schubert Orchestra' (Chamberlains, Berea), from 1880 to 1886. In concerts, etc. Purchased for H.P. [high pitch], seems to be D-flat L.P. [low pitch]." **Case:** Original or period case. **Condition:** Head joint, both sections, cracked. Upper and lower ferrules missing. **Provenance:** S. W. Perry & Co., Berea, Ohio, 1880(?), from C. Bruno & Son, New York. Digital image available

Unit Id	*Contents*
0003	**Instrument Type:** English Flageolet in C **Maker Name:** Anonymous **Maker Date:** ?1st half 19c **Materials:** Cocus (rosewood?), ivory mouthpiece, nickel silver keys and ferrules. **Keys Holes System:** 0/7 holes plus 6 keys (RH C, LH B-flat, G#, long and short F, D#), post and rod. **Physical Description:** 2 sections, upper section consists of fipple joint and wind cap (possibly sponge chamber) and ivory mouthpiece. **Measurement:** 40.5 cm. **Condition:** Mouthpiece cracked in 3 places. **Provenance:** S. W. Perry & Co., Berea, Ohio, ca. 1880, from C. Bruno & Son, New York.
0004	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** 1896 **Materials:** Ebonite, silver keys and ferrules, metal-lined sockets. **Keys Holes System:** Boehm system, Rockstro's model, open G#, post and rod. G-natural trill for RH 1st finger added by DCM. **Physical Description:** 3 sections, cylindrical bore. Foot to C. Extra B-flat foot joint, with roller for C and C#, made by DCM. **Measurement:** 67.9 cm., 76.5 cm. **Notes:** Flute made to order for DCM. **Case:** Original case. **Condition:** G key lever for left little finger is unsoldered. **Provenance:** Rudall, Carte & Co., London, 21 Aug. 1896. Digital image available
0005	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** 1898-1899 **Materials:** Silver. **Keys Holes System:** Boehm system, Rockstro F#, with Rockstro additions by DCM, open G#, post and rod. **Physical Description:** 3 sections, embouchure barrel, engraved with floral and leaf design. Foot to B, with rollers for C and B. Additions by DCM include Rockstro C-flat lever and rod, G-natural trill lever for RH 1st finger, extra touch piece for low C-natural, adjusting screw on foot keys. **Measurement:** 70.35 cm. **Notes:** Flute made to order for DCM. **Case:** Original case, with wood cork grease container and 2 silver covers/caps. **Provenance:** Rudall, Carte & Co., London, 5 Mar. 1899. Digital image available

Unit Id	*Contents*
0006	**Instrument Type:** Alto Flute in G **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** 1900 **Materials:** Silver. **Keys Holes System:** Boehm system, with Rockstro F#, open G#, post and rod. **Physical Description:** 3 sections, extra LH B-flat thumb lever added by DCM. **Measurement:** 85.95 cm. **Notes:** Flute made to order for DCM. See "Flute Misnomers" regarding Bass vs. Alto. **Case:** Original case. **Provenance:** Rudall, Carte & Co., London, 23 Aug. 1900. Digital image available
0007	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous **Maker Place:** Philippines **Maker Date:** ca. 1900 **Materials:** Cane. **Keys Holes System:** 0/6 holes. **Physical Description:** End closed by natural septum. **Measurement:** 33.8 cm. **Provenance:** Philippine Village, Pan-American Exposition, Buffalo, New York, 12 Sept. 1901. Digital image available
0008	**Instrument Type:** Flute in E-flat **Maker Name:** Dayton C. Miller **Maker Place:** Cleveland, Ohio **Maker Date:** 1901 **Materials:** Silver. **Keys Holes System:** Boehm system, cylindrical, with Rockstro F# (sounding A), open G# (B), post and rod, with modern style key cups, on ribs. **Physical Description:** 2 sections, foot to B (D) with rollers for C# and C (E, E-flat), embouchure barrel. **Measurement:** 59.85 cm. **Notes:** Flute finished 14 Nov. 1901. Cost of material and special tools, $44. **Case:** Period case which holds the instrument in one piece. Digital image available

Unit Id	*Contents*
0009	**Instrument Type:** Flute in C **Maker Name:** R. Mould **Maker Place:** London **Maker Date:** ?early 19c **Materials:** Cocus, ivory cap, silver keys and ferrules. **Keys Holes System:** 8 keys, originally pewter plug, tapered metal-lined holes, pin in block. **Physical Description:** 4 sections. Both F keys are saltspoon, likely not original, although they are stylistically appropriate. Upper C key with flat square flap, possibly from another instrument, and a corresponding flat tonehole surface cut into the wood to receive it. **Measurement:** 66.45 cm. **Condition:** Cover for cap now missing; three keys replaced, as above; cracks in lower body and at foot piece socket. Attempt at refinish. **Provenance:** Pawn shop, Chatham Square, New York, 31 Aug. 1904. Digital image available
0010	**Instrument Type:** Flute in C **Maker Name:** [Major elements of this instrument were constructed by Dayton C. Miller] **Maker Place:** Cleveland, Ohio **Maker Date:** 1902-1905 **Materials:** 22 karat gold tube, 18 karat gold keys and ribs. **Keys Holes System:** Boehm system, with Rockstro (F#, C-flat) and DCM features (such as DCM ledger: "original scale," large C# vent hole), open G#, post and rod. **Physical Description:** 1 piece seamless extruded tube, without separate head joint, foot to B-flat for RH little finger, rollers for C and B. **Measurement:** 75.15 cm. **Notes:** This instrument is Miller's design for his personal studio use, tuned to a=435, according to DCM, although it comfortably plays at A=440 or higher. Miller constructed major portions of the keywork, and assembled the entire instrument. DCM ledger: "Began design Jan. 1902, finished June 23, 1905. Repadded by RC&C and finally 'Finished' Sep 21, 1905." **Case:** Period case lined with red plush fabric. Case hinge (fabric) torn full length. Digital image available

Unit Id	*Contents*
0011	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1844 **Materials:** Green fluted glass, mother of pearl cap, glass cork, silver keys, ferrules and crutch. **Keys Holes System:** Boehm system, with Dorus G# and 5 finger rings for principal rank, post and rod with modern style key cups, direct mount, using Laurent's key post bolting system described by DCM in "Flutes of Glass," see below. Fourth finger ring is split for alternate RH 1st finger B-flat. Hallmarked. **Physical Description:** 3 sections, conical, to low C with rollers for C#, C. Safety hook on head joint. This instrument has a unique silver left hand crutch which clips to the body around (or in) any adjacent pair of the decorative flutings. **Measurement:** 65.5 cm. **Notes:** See "Flutes of Glass," by DCM, The Flutist, July 1925. **Case:** DCM ledger: "[Original] inlaid mahogany case lined with red chamois…. Case had been broken, by forcing the lock. Repolished by Vincent & Barstow. Relined with red chamois (like original) by D.C.M." **Provenance:** M. J. Kalashen, New York, 14 Sept. 1905. Digital image available
0012	**Instrument Type:** Flute in C **Maker Name:** Clair Godfroy, aîné **Maker Place:** Paris **Maker Date:** ca. 1840 **Materials:** Cocus, silver keys and ferrules. **Keys Holes System:** Essentially the conical Boehm 1832 system, Dorus G#, post and rod, direct mount, roller for C. **Physical Description:** 3 sections, metal-lined sockets. **Measurement:** 65.35 cm. **Case:** Original case, with cork grease container. **Condition:** Cracks at sockets of head and foot joints; upper end of body also cracked. **Provenance:** William R. Gibbs, Boston, 24 Mar. 1906. Digital image available
0013	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Maker Date:** ca. 1900 **Materials:** Bamboo, stained brown, with bone ferrules, gold tassel. **Keys Holes System:** 0/6 holes plus membrane hole, 2 tassel holes, plus 2 vent holes at foot. **Physical Description:** Incised decoration including Chinese characters (DCM ledger: "In the evening, when all is calm and cool"), floral and leaf patterns painted green and white. **Measurement:** 65.9 cm. **Condition:** Cracked almost entire length through tonehole rank; membrane missing. **Provenance:** A. P. Miller, Oakland, California, 25 Dec. 1906. Digital image available

Unit Id	*Contents*
0014	**Instrument Type:** Flute in C **Maker Name:** Rudall Rose Carte & Co. **Maker Place:** London **Maker Date:** ca. 1867 **Materials:** Silver. **Keys Holes System:** Carte's 1867 patent, cylindrical, variation of the simple system, open G#, incorporating Boehm full venting principles plus some fingering options similar to Boehm, such as: F available for RH 1st finger, and fully opened D2, but, thus requiring C#2 to be fingered with left thumb alone. **Physical Description:** 3 sections, foot to C, with roller for C#. Embouchure plate engraved, and with silver LH 1st finger rest. **Measurement:** 63.5 cm. **Case:** Original case, with cork grease container. DCM ledger: "Written on wood of case, under lining: 'Lewis, May 25, 1868.'" Restored by DCM in 1907. **Provenance:** William R. Gibbs, Boston, 19 Feb. 1907. DCM ledger: Quotes letter to DCM from Mr. Gibbs, dated 16 April 1907: "The flute was sent to me by Mr. J. W. Jones (of California, and owner of mines in Vancouver, B.C.). The flute belonged to Jones's grandfather, Hon. Wm Hunter, 2nd, Assistant Secretary of State for 57 years...who brought it from England, while on some State Department business in England. Digital image available
0015	**Instrument Type:** Flute in C **Maker Name:** S. Koch **Maker Place:** Vienna **Maker Date:** ca. 1807-p1866 **Materials:** Ebony(?), nickel silver keys and ferrules, metal-lined head, blocks, and toneholes. **Keys Holes System:** 12 keys, modern style key cups, pin in block. Originally all pewter plugs. **Physical Description:** 3 sections, tuning slide in head, no separate foot piece. Foot to A. Silver plaque on barrel. **Measurement:** 79.35 cm. **Condition:** Head joint, both sections, cracked, and crack at upper tenon of upper section, repaired with nickel silver threaded pins. G# key missing small portion of block; F key block repaired with nickel silver replacement mounts. **Provenance:** H. E. McMillen Co., Cleveland, Ohio, 27 July 1907. Digital image available
0016	**Instrument Type:** T'ai P'ing Hsiao (Vertical Whistle Flute) **Maker Name:** Anonymous, Chinese **Maker Date:** ca. 1900 **Materials:** Bamboo stained brown, bone ferrules, blue tassel. **Keys Holes System:** 0/6 holes plus membrane hole, 2 tassel holes, plus 2 vent holes at foot. Fipple located on back of instrument. **Physical Description:** Incised decoration including Chinese characters and leaf patterns, painted green and white. The inscription describes sitting next to the water, like a lotus flower, where it is peaceful and quiet. **Measurement:** 52.15 cm. **Condition:** Ferrule missing at top, originally bone. **Provenance:** A. P. Miller, Oakland, California, 1906/1907. Digital image available

Unit Id	*Contents*
0017	**Instrument Type:** Haidi (Double Reed Shawm) **Maker Name:** Anonymous, Chinese **Maker Date:** ca. 1900 **Materials:** Wood (red), brass bell and staple-pirouette. **Keys Holes System:** 1/7 holes. **Physical Description:** Conical bore oriental shawm, most likely Chinese, having a sheet brass bell with overlapping soft-soldered seam, including an added (soldered) decorative boss also formed of sheet metal. The bell is pulled down over the instrument from the top and its upper tapered section matches the taper of the wooden section and is held in place by friction. The staple is a tapered brass tube over which is soldered a brass disk, at the bottom, which defines its insertion depth. Above that there are 2 hollow decorative brass bosses. Above those is a smaller brass disk which forms the pirouette or embouchure rest, the reed then allowed to vibrate more freely in the mouth. **Measurement:** 32 cm. **Notes:** With box of extra reeds (5) which may pertain to this instrument and/or DCM 1571. **Provenance:** A. P. Miller, Oakland, California, ca. 1906. Digital image available
0018	**Instrument Type:** End-Blown Flute **Maker Name:** Anonymous **Maker Place:** Greece **Maker Date:** ca. 1904 **Materials:** Bamboo. **Keys Holes System:** 1/6 holes. **Physical Description:** The bark has been cut away at the position of the thumbhole and similarly on the front for the fingerhole rank. Holes have been burned in. Incised decoration. **Measurement:** 24.7 cm. **Condition:** Two cracks running full length through fingerhole rank. **Provenance:** F. H. Herrick, Olympia, Greece, 12 May 1904. Digital image available

Unit Id	*Contents*
0019	**Instrument Type:** Flute in C **Maker Name:** Henry Hill; Monzani **Maker Place:** London **Maker Date:** early 19c **Materials:** Cocus, silver keys, ferrules, and lined block. **Keys Holes System:** 11 keys, round, pin in block, silver-lined. All keys have 2 springs, one riveted to the key, and a reverse upward pressure spring screwed to the body. Foot to low B, including extra B-flat lever and high D trill. Rollers on F, low B. **Physical Description:** 4 sections, 2 head joints, one with tuning slide (English style, with tenon). The upper section (or LH piece) has an area of the tube recessed as a LH 1st finger (1st phalanx) rest. Similarly, the right hand piece has for the RH thumb a recessed (and flat) area lined with a finely beaded fabric or leather (may not be original). Foot joint pre-pinned with threaded nickel silver rod at key mounts for C#, C, B. **Measurement:** 71.3 cm., 70.8 cm. **Notes:** Extra head joint not scanned. **Case:** Original case which houses the instrument in double layer fashion. **Condition:** Both head pieces tuning slide cracked; lower section crack at socket; missing lower ferrule on foot joint. **Provenance:** Pawn shop, Chatham Square, New York, 16 Oct. 1907. Digital image available
0020	**Instrument Type:** Flute in C **Maker Name:** Anonymous, possibly American **Maker Date:** early 19c **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 61.45 cm. **Provenance:** A. P. Miller, Oakland, California, 25 Dec. 1908(?). Digital image available
0021	**Instrument Type:** Flute Head Joint **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** ca. 1900 **Materials:** 18 karat gold **Physical Description:** Embouchure plate engraved with floral and leaf design. **Measurement:** 21.45 cm. **Case:** Case (23.7 cm.), lined with green satin, covered with brown morocco. **Provenance:** William R. Gibbs, Boston, 11 Jan. 1908. Digital image available

Unit Id	*Contents*
0022	**Instrument Type:** Flute in C **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** 1832-1837 **Materials:** Cocus, silver cap, lip plate ferrule, keys and ferrules, pewter plug with metal-lined D#. **Keys Holes System:** 6 or 10 keys, round key flaps, pin in block, pewter plug over square metal plate for D#; extra B-flat foot with pewter plug over square plates, and with rollers for C, B, B-flat. Automatic cork and tuning slide adjustment device (British Patent No. 6338). **Physical Description:** 4 sections, tuning slide in head, foot to D. Extra foot to B-flat. **Measurement:** 59.7 cm., 73.9 cm. **Notes:** DCM ledger: "At one time had 11 keys; an extra lever for B-flat has been removed." **Condition:** Head joint, both sections, cracked. Mechanical cork adjustment needs to be rebuilt. **Provenance:** Source not known. Digital image available
0023	**Instrument Type:** Flute in C **Maker Name:** Anonymous, possibly French **Maker Date:** mid 19c **Materials:** Cocus, silver with some nickel silver replacements or additions, metal-lined head. **Keys Holes System:** Early Boehm system, conical bore, Dorus G#, with Briccialdi thumb lever added later. Roller for C. **Physical Description:** 3 sections, tuning slide in head. Barrel not original. **Measurement:** 67.3 cm. **Condition:** Head joint, upper section, cracked. **Provenance:** Charles H. Ditson Co., New York, 1 Sept. 1908. Digital image available
0024	**Instrument Type:** Alto Flute in G (Incomplete) **Maker Name:** Boehm & Mendler **Maker Place:** Munich **Maker Date:** ca. 1862 **Materials:** Boxwood, thinned, 2 brass ferrules. **Keys Holes System:** Boehm system, 13 integral raised toneholes. **Physical Description:** Boehm system, cylindrical, with integral raised embouchure plate. **Measurement:** 87 cm. **Notes:** Instrument was never completed, having no keywork. See "Flute Misnomers" regarding Bass vs. Alto. **Condition:** Crack at D# hole, foot joint. **Provenance:** James S. Wilkins II, Preston, Cuba, 1909. Digital image available

Unit Id	*Contents*
0025	**Instrument Type:** Flute in C **Maker Name:** Alfred G. Badger **Maker Place:** New York **Maker Date:** 1865-1893 **Materials:** Silver plate over brass, embouchure barrel consisting of metal/wood/metal. **Keys Holes System:** Cylindrical bore, post and rod on ribs, roller for C. **Physical Description:** 3 sections. **Measurement:** 68.8 cm. **Notes:** DCM ledger: "Experimental Flute?... Badger's regular work on body and head....No clue whatever, as to the 'System.'" By 'Badger's regular work on body,' Miller refers to the maker's normal foot joint design plus his usual key cup design applied to the middle joint despite its bizarre fingering scheme. This apparently experimental system is perhaps the most unique in the Miller collection. The foot joint is standard, low C#, C, standing open, but the body contains 13 keys, all standing closed requiring a reasonably awkward technique if to function as a fully vented system according to Boehm. To hold this instrument is awkward in that the tonehole placement leaves no practical place to rest the right thumb and the left thumb placement is nearly as difficult. It is possible that this instrument was to receive a crutch for the RH, possibly also for the left, and never completed. **Provenance:** Pawn shop, the Bowery, New York, 20 Aug. 1910. Digital image available
0026	**Instrument Type:** Flute in C **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** 1824-1837 **Materials:** Boxwood, ivory ring at embouchure, silver keys, adjustment shaft and ferrules, pewter plugs, metal-lined head. **Keys Holes System:** 8 keys, 6 saltspoon and 2 pewter plugs over square plates for C#, C, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 63.8 cm. **Notes:** DCM ledger: "Apparently half an inch has been cut off from barrel joint to sharpen pitch." **Provenance:** Secondhand store, Vauxhall Bridge Road, London, Aug. 1912. Digital image available

Unit Id	*Contents*
0027	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** late 18c **Materials:** Ivory, ivory cap with boxwood and cork-setting mechanism, silver key with gold plate. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections, conical. **Measurement:** 64.1 cm. **Notes:** The foot joint, if totally original, is unusual in that the socket is typically cut away as if to receive an ornate ferrule of another material. However, the ornate ferrule which surrounds it is of ivory and appearing at first glance to be all one piece. This construction is quite clear in that the ferrule material immediately adjacent to the key is broken off and clearly reveals the layered construction. At the upper end of the head joint, immediately beneath the cap, it is morticed to take a decorative ferrule (now missing), which DCM reported to be of animal horn. However, similar to the layered ivory construction of the foot joint, this original ferrule may also have been of wider outer diameter ivory. **Condition:** Uppermost ferrule missing (see Notes). Foot joint ferrule key block broken, but present, see above, and cracked above the key. The upper tenon of the upper section was broken and partly missing and restored by DCM, who patched in an ivory section and further supported the tip with a silver ring forged over on the top. **Provenance:** E. Sagnard, Paris, 16 Sept. 1912. Digital image available
0028	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** 18c **Materials:** Ivory, silver key, ivory tuning shaft and elaborately turned cap. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections, conical. **Measurement:** 60.9 cm. **Notes:** According to Seyfrit, v. 1: "Foot section not original." **Condition:** Major cracks in head joint, crack in foot joint socket, and minor interior cracks at base of foot joint. **Provenance:** Estate of Joseph Fischer, Cleveland, Ohio, 2 Mar. 1913. Digital image available
0029	**Instrument Type:** Flute in C **Maker Name:** Anonymous, [possibly German] **Maker Date:** mid 19c **Materials:** Cocus, nickel silver keys, ferrules and adjustment shaft, post and rod. **Keys Holes System:** Simple system, cylindrical, 14 keys (8 keyed plus 6 covered fingerholes for the principal rank), post and rod. **Physical Description:** 3 sections. **Measurement:** 66.25 cm. **Case:** Original case, with flute swab. **Provenance:** Estate of Joseph Fischer, Cleveland, Ohio, 2 Mar. 1913. Digital image available

Unit Id	*Contents*
0030	**Instrument Type:** Piccolo in E-flat (F) **Maker Name:** Firth Hall & Pond **Maker Place:** New York **Maker Date:** 1833-1847 **Materials:** Boxwood, brass key, bone(?) cap and ferrules. **Keys Holes System:** 1 key, round flat flap, pin in block. **Physical Description:** 2 sections, conical. **Measurement:** 28.15 cm. **Condition:** Key block broken off at pin line on both sides, the parts still present. Dome-shaped cap is not original and, if made from bone, was turned from a non-hollow length. **Provenance:** Estate of Joseph Fischer, Cleveland, Ohio, 2 Mar. 1913. Digital image available
0031	**Instrument Type:** Musette or Gentleman's Oboe (Pastoral Oboe) **Maker Name:** Dasque **Maker Place:** Saintes-Maries **Maker Date:** ?mid 19c **Materials:** Cocus, nickel keys and ferrules. **Keys Holes System:** 6 keys, post and rod, modern style key cups. **Physical Description:** 2 sections. **Measurement:** 36.15 cm. **Notes:** DCM 31 and 742 also scanned together. **Condition:** Chip broken off and repaired at turning, upper end. **Provenance:** Estate of Joseph Fischer, Cleveland, Ohio, 2 Mar. 1913. Digital image available
0032	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Bamboo, lashed with cord. **Physical Description:** 20 pipes. **Measurement:** 14.5 - 6.4 x 29 cm. (longest - shortest x length) **Notes:** Best image available. Some pipes stuck or glued in place. **Condition:** Some pipes cracked. **Provenance:** Estate of Joseph Fischer, Cleveland, Ohio, 2 Mar. 1913. Digital image available
0033	**Instrument Type:** Oboe in C **Maker Name:** Cahusac **Maker Place:** London **Maker Date:** late 18c-early 19c **Materials:** Boxwood, stained brown, brass keys, ivory ferrules. **Keys Holes System:** 2 keys (C with double touch), round flap, pin in block. **Physical Description:** 3 sections, English straight-top model. **Measurement:** 58.45 cm. **Condition:** Unusual crack below ivory ferrule on bell section, upper ferrule chipped. **Provenance:** Estate of Joseph Fischer, Cleveland, Ohio, 2 Mar. 1913. Digital image available

Unit Id	*Contents*
0034	**Instrument Type:** Piccolo in D-flat **Maker Name:** Anonymous **Maker Date:** early 19c **Materials:** Boxwood, brass key, bone ferrules. **Keys Holes System:** 1 key, round shallow saltspoon, pin in block. **Physical Description:** 2 sections, conical. **Measurement:** 28.9 cm. **Notes:** Lowest ferrule not original, with undersize outer diameter. **Condition:** Warped. **Provenance:** Estate of Joseph Fischer, Cleveland, Ohio, 2 Mar. 1913.
0035	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** mid 19c **Materials:** Cocus(?), nickel silver cap, ferrules. **Keys Holes System:** 13 keys (extra C), post and rod. **Physical Description:** 3 sections, tuning slide in head, no separate foot joint. Foot to C, including alternate G# for LH thumb. **Measurement:** 66.6 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** Estate of Joseph Fischer, Cleveland, Ohio, 2 Mar. 1913. Digital image available
0036	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** late 19c **Materials:** Boxwood, nickel silver keys, bone ferrules (lowest ferrule possibly ivory). **Keys Holes System:** 4 keys, post and rod, modern style key cups. **Physical Description:** 4 sections, foot to D. **Measurement:** 59.6 cm. **Notes:** Received by DCM with "experimental flaring bell of brass on lower end." In fact, the 'bell' is a late 19c or early 20c cornet mute which had been jammed over the end of the foot joint. The small (tapered) end of the mute was likely shortened to a larger inner diameter allowing it to fit over the foot joint (see DCM 1435). **Condition:** Mute (DCM 1435) removed. Gouge marks on foot joint from having been joined. Upper head joint ferrule probably from another instrument, original cap missing, bottom head joint ferrule cracked. Cracked at foot joint and upper ferrule sockets, and both ends of middle section. **Provenance:** Estate of Joseph Fischer, Cleveland, Ohio, 9 Mar. 1913. Digital image available

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0037	**Instrument Type:** Fife in A-flat (B-flat) **Maker Name:** Firth, Son & Co. **Maker Place:** New York **Maker Date:** 1863-1867 **Materials:** Cocus, brass end ferrules. **Keys Holes System:** 0/6 holes. **Measurement:** 42.5 cm. **Case:** Case. **Provenance:** Estate of Joseph Fischer, Cleveland, Ohio, 9 Mar. 1913. Digital image available
0038	**Instrument Type:** Flute in C (See Notes.) **Maker Name:** [Djalma Julliot?] (See Notes.) **Maker Date:** late 19c-early 20c **Materials:** Nickel silver. **Keys Holes System:** 6 keys, post and rod on ribs soldered to body. **Physical Description:** 2 sections, to low D. Simple system, cylindrical, one piece body with modern parabolic head joint. Elevated tonehole chimneys. **Measurement:** 61.5 cm. **Notes:** DCM ledger: "Sample Flute" [and] "Perhaps made by [Djalma] Julliot?" **Provenance:** Lyon & Healy, Chicago, 25 Apr. 1913. Digital image available
0039	**Instrument Type:** Flute in C **Maker Name:** Martin Thibouville, ainé **Maker Place:** Paris **Maker Date:** 2nd half 19c **Materials:** Silver plate over nickel silver. **Keys Holes System:** Boehm system, open-holed, closed G#. Roller for C. **Physical Description:** 3 sections, foot to C. **Measurement:** 67.3 cm. **Case:** Original case marked with maker name imprinted in gold on inside edge of case: MTIN THIBOUVILLE AINÉ 91, RUE DE TURENNE PARIS **Provenance:** Harris Loan Office, San Francisco, Aug. 1913. Digital image available

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0040	**Instrument Type:** Walking Stick Flute in C **Maker Name:** Anonymous **Maker Date:** mid 19c **Materials:** Boxwood, nickel silver keys, black horn ferrules, metal-lined toneholes, brass-lined blocks. **Keys Holes System:** 5 keys, decorative shell-shaped, elevated tonehole seats made of brass tubes, pin in block (brass-lined). **Physical Description:** 2 sections, conical. Boxwood pommel. Head joint has 3 nickel silver decorative screws positioned 120 degrees apart. **Measurement:** 63.8 cm. **Notes:** DCM ledger: "Boxwood Flute (once stained [varnished?], mostly removed)." Head joint has some unknown chemical which was spilled on it, the same color as the original stain or varnish. Unusual instrument in that walking stick woodwinds make some attempt to camouflage keywork. This instrument is obviously from a professional woodwind shop and displays the keywork as if it were a normal 5-keyed flute. **Condition:** 3rd section (staff) missing. **Provenance:** Carl (Max) Fischer, New York, 1 Nov. 1913. Digital image available
0041	**Instrument Type:** Flute in C **Maker Name:** Euler **Maker Place:** Frankfurt am Main **Maker Date:** 1810-1873 **Materials:** Cocus, nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 12 keys, round and pewter plugs, pin in metal-lined block. Rollers for C#, C. **Physical Description:** 3 sections, tuning slide in head. Foot to A, with pewter plugs over metal-lined holes. **Measurement:** 79.8 cm. **Notes:** DCM ledger: "Barrel and head are not original." **Condition:** Crack in upper section of head, previously repaired with wide nickel silver ferrule close to embouchure. **Provenance:** Carl (Max) Fischer, New York, 1 Nov. 1913. Digital image available
0042	**Instrument Type:** Oboe in C **Maker Name:** Johann Gottfried Liebel **Maker Place:** Adorf, Dresden **Maker Date:** 1798 **Materials:** Boxwood, brass keys. **Keys Holes System:** 3 keys, octagonal flat flaps, standard double touch for low C, pin in block. **Physical Description:** 3 sections (with 2 additional interchangeable top sections). **Measurement:** 56 cm., 57.1 cm. **Condition:** Small crack in top joint. **Provenance:** Carl (Max) Fischer, New York, 1 Nov. 1913. Digital image available

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0043	**Instrument Type:** Flute in C **Maker Name:** Rudall Rose Carte & Co. **Maker Place:** London **Maker Date:** 1858-1871 **Materials:** Silver, metal/wood/metal embouchure barrel. **Keys Holes System:** Carte's 1851 patent, post and rod. **Physical Description:** 3 sections, foot to C. Embouchure barrel with floral engraving. **Measurement:** 65.2 cm. **Case:** Original case with silver plaque on top of case, engraved: F E Higgins **Provenance:** F. E. Higgins, Worcester, Massachusetts, 10 June 1914. Digital image available
0044	**Instrument Type:** Flute in C **Maker Name:** Cornelius Ward **Maker Place:** London **Maker Date:** 1842-1859 **Materials:** Cocus, silver ferrules and finely embossed key cups. **Keys Holes System:** Post and rod, modern style key cups. **Physical Description:** Ward's patent system, conical. Two head joints, one without tuning slide, the other with Ward patent Terminator & Indicator. Body and foot in one piece to low B-flat, with 2 extra LH thumb keys for low B, B-flat. **Measurement:** 72.8 cm., 75.22 cm. (without tuning slide) **Notes:** See DCM 572. **Condition:** Head joint, both sections, cracked. **Provenance:** Allen Loomis, Detroit, Michigan, 5 Apr. 1915. Digital image available
0045	**Instrument Type:** English Double Flageolet **Maker Name:** Edward Riley, senior **Maker Place:** New York **Maker Date:** 1811-1831 **Materials:** Boxwood, ivory (possibly bone) mouthpiece, finger studs and ferrules, brass keys. **Keys Holes System:** 6 brass keys, flat square flap, pin in block, one for windway cut-off (left thumb); left pipe 1(key)/7 plus 1(D#) key; right pipe 1(key)/5 plus 2 keys. **Measurement:** 47 cm. **Notes:** Marked adjacent to the windway cut-off key lever are the words "stop key", apparently added by former owner. Also the right thumb key has crudely scratched "B" on the key flap. The stock has an unfinished key mounting block for the other windway cut-off key, never notched or drilled. **Condition:** Mouthpiece likely not original, although possibly period; stock cracked and the windway stop key block is broken off. **Provenance:** The Little French Shop, New York, 22 July 1916. Digital image available

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0046	**Instrument Type:** English Flageolet **Maker Name:** Anonymous **Maker Date:** early 19c **Materials:** Boxwood, ivory mouthpiece, finger studs and ferrules, silver keys. **Keys Holes System:** 1/7 holes plus 3 keys, square flap, pin in block, for D#, long F and high C. **Physical Description:** 2 sections, upper section with fipple with C key, and 2-part sponge chamber. **Measurement:** 39.8 cm. **Notes:** Upper section of sponge chamber, ivory mouthpiece and ivory ferrule replicated by DCM. **Condition:** One finger stud missing. **Provenance:** The Little French Shop, New York, 22 July 1916. Digital image available
0047	**Instrument Type:** English Double Flageolet **Maker Name:** Anonymous **Maker Date:** early 19c **Materials:** Boxwood, ivory mouthpiece, finger studs and ferrules, brass keys. **Keys Holes System:** Left pipe: 0/7 holes plus 3 keys, one mounted on the fipple stock section in addition to its cut-off key (for the RH 1st finger); right pipe: 0/5 holes plus 3 keys, in addition to the cut-off key for the left thumb. 6 keys and shutter, flat square flaps, pin in block. **Physical Description:** 2-piece sponge chamber (not complete) with mouthpiece. **Measurement:** 39.3 cm. **Condition:** Lower section of sponge chamber has been either altered (enlarged) or damaged inside, purpose unknown. Lower sponge chamber bottom ferrule, cracked. **Provenance:** William S. Haynes, Boston, Sept. 1916. Digital image available
0048	**Instrument Type:** Flute in C **Maker Name:** J. Herold **Maker Place:** Würzburg **Maker Date:** mid 19c **Materials:** Boxwood, nickel silver keys. **Keys Holes System:** Boehm system, open G#. **Physical Description:** 3 sections. **Measurement:** 43.7 cm (without head), 65 cm. (with head) **Notes:** Head joint not original. **Condition:** Body joint cracked at socket. B key (LH thumb) missing and tonehole edge damaged; crack between 2 lowest keys on body joint. G key finger lever missing. Main body rib bent and missing screws. Crutch bracket removed, screwholes filled. Foot joint cracked at socket, and lower end large wood loss at socket; C# tonehole rim damaged; missing ferrules at both ends. **Provenance:** William S. Haynes, Boston, Sept. 1916. Digital image available

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0049	**Instrument Type:** Alto Flute in G **Maker Name:** Boehm & Mendler **Maker Place:** Munich **Maker Date:** 1862-1881 **Materials:** Silver plate over brass tube, cocus head, silver ferrules, wood crutch. **Keys Holes System:** Boehm system, open G#, Schleif key, roller C. **Physical Description:** 3 sections, head joint thinned, with integral raised embouchure plate. **Measurement:** 86.4 cm. **Notes:** DCM ledger: "Brought to U.S. by Carl Wehner." See "Flute Misnomers" regarding Bass vs. Alto. **Case:** Original case with silver sleeve cover. **Provenance:** George W. Haynes, New York, 26 Sept. 1916. Digital image available
0050	**Instrument Type:** Piccolo in C **Maker Name:** Anonymous, [after William G. Schulze] (See Notes.) **Maker Date:** turn of 20c **Materials:** Cocus, nickel silver keys and ferrules. **Keys Holes System:** Boehm system, simplified, 6 keys and 4 rings, open G#, post and rod. **Physical Description:** 2 sections, conical. **Measurement:** 31.4 cm. **Notes:** DCM ledger: "Design [after William G.] Schulze, New Haven, Conn." This flute was used by Louis P. Fritze, Sousa's Band. **Provenance:** Louis P. Fritze, Brooklyn, New York, Dec. 1916. Digital image available
0051	**Instrument Type:** Flute in E-flat **Maker Name:** William Rönnberg **Maker Place:** New York **Maker Date:** 1834-1889 **Materials:** Boxwood, dark stain to appear as curly maple, nickel silver keys and ferrules. **Keys Holes System:** Boehm system, open G# (B). **Physical Description:** 3 sections, metal head joint socket and body joint upper tenon. **Measurement:** 55.5 cm. **Notes:** DCM ledger: "Originally had Dorus G#." **Case:** Period case with unusual end latches possibly added to avoid relying solely on the central key latch, with 2 tenon covers and wood cork grease container. **Provenance:** Louis P. Fritze, Brooklyn, New York, Dec. 1916. Digital image available

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0052	**Instrument Type:** Flute in C **Maker Name:** Boehm & Mendler **Maker Place:** Munich **Maker Date:** 1862-1881 **Materials:** Grenadilla, silver keys and ferrules. **Keys Holes System:** Boehm system, open G#, rollers for C#, C. **Physical Description:** 3 sections, with crutch. **Measurement:** 68.5 cm. **Notes:** DCM ledger: "This flute was obtained from Boehm by Edward Martin Heindl. It was used by Mr. Frank Wadsworth, and later for eleven years (1903-1914) by Mr. Louis P. Fritze in Sousa's Band, and played in the 'around-the-world' tour." Letter from Fritze notes: "Repaired by broad silver band at socket of head-joint…. Originally had piece of 'mother of pearl' set in the 'stopper.'" **Case:** Original case, similar to DCM 49. Inscribed in pencil inside lid: "Case relined, like original, by Dayton C. Miller, Cleveland, Ohio. December 1917. Sample of original lining is attached [red velvet]." Nickel silver face plate to lock is detached and is inside case. **Condition:** Head joint, crack at socket. **Provenance:** Louis P. Fritze, Brooklyn, New York, Dec. 1916. Digital image available
0053	**Instrument Type:** Piccolo in D-flat **Maker Name:** [Attributed to Boehm & Mendler] **Maker Place:** [Munich] **Maker Date:** [1862-1881] **Materials:** Cocus, silver keys and ferrules. **Keys Holes System:** Boehm system, open G#. **Physical Description:** 2 sections, cylindrical. Where head joint connects with body (as DCM 344), the head joint carries the tenon, which further includes a silver tube extending beyond the tenon for 6.4 mm., which in turn fits into a corresponding silver tube at the bottom of the body joint socket. **Measurement:** 30 cm. **Notes:** DCM ledger: "Geo W. Haynes says he never saw a B&M piccolo with the name on it… piccolo belonged to E. M. Heindl...sold to Selmer...sold to Schamberger and he to Geo. W. Haynes." This piccolo and DCM 344 are considered to be from the shop of Boehm & Mendler by Ludwig Boehm, great-great-grandson of Theobald Boehm. **Case:** Original or period case. **Provenance:** George W. Haynes, New York, Dec. 1916. Digital image available

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0054	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** ca. 1911 **Materials:** Cocus, silver ferrules on metal-lined head; body and foot joints with nickel silver key work. **Keys Holes System:** 8 keys, post and rod direct mount, roller for C. **Physical Description:** 3 sections, cylindrical bore. **Measurement:** 65 cm. **Notes:** DCM ledger: "Lower end ferrule missing (Head cracked when received). Ring replaced." **Condition:** Head joint cracked. **Provenance:** Body and foot, George W. Haynes, New York, Jan. 1917; head, William S. Haynes, Boston, 5 Feb. 1917. Digital image available
0055	**Instrument Type:** Piccolo in C **Maker Name:** Louis Lot **Maker Place:** Paris **Maker Date:** turn of 20c **Materials:** Cocus, silver-plated keys and ferrules. **Keys Holes System:** Boehm system, closed G#, 4 ring keys, post and rod with modern style key cups on ribs. **Physical Description:** 2 sections (and with two head joints for high and low pitch), conical. **Measurement:** 32 cm. (both) **Case:** Original or period case which holds both heads and body. **Condition:** Both head joints cracked. **Provenance:** Alexander Selmer, New York, 10 Jan. 1917. Digital image available
0056	**Instrument Type:** Piccolo in C **Maker Name:** Anonymous **Maker Date:** turn of 20c **Materials:** Wood, dark, and lacquered, nickel silver keys and ferrules. **Keys Holes System:** Simple system, 6 keyed (or 12 keyed; the principal rank fingerholes covered with keys), post and rod with modern style key cups. **Physical Description:** 2 sections, tuning slide in head, conical. **Measurement:** 30.3 cm. **Case:** Original or period case, red leather covered, with silver key cover and cleaning rod. **Provenance:** Pawn shop, Chicago, 26 Jan. 1917. Digital image available

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0057	**Instrument Type:** Flute in C [Not in Collection] **Maker Name:** [Boehm & Mendler] **Maker Place:** [Munich] **Maker Date:** [1862-1888] **Materials:** [Grenadilla, silver keys and ferrules.] **Keys Holes System:** [Boehm system, open G#, Boehm thumb key, no B/B-flat trill key, no octave keys. Crutch.] **Physical Description:** [3 sections.] **Measurement:** [68.5 cm.] **Notes:** DCM ledger: "Could not be found after Exhibition in New York, 1927, -28. Do not know when it disappeared." DCM also writes: "Repaired by broad silver band on socket of foot-joint. Head cracked slightly at socket; cemented by Haynes. Repadded by Haynes." **Provenance:** George W. Haynes, New York, 1 Feb. 1917.
0058	**Instrument Type:** Flute in C **Maker Name:** Alfred G. Badger **Maker Place:** New York **Maker Date:** ca. 1880-1892 **Materials:** Silver, ebonite head, bone (possibly ivory) LH 1st finger rest. **Keys Holes System:** Boehm system, closed G# (originally open G#), post and rod with modern style key cups, on ribs. Roller for C, B-natural trill for RH. **Physical Description:** 3 sections, foot to C. Head joint is thin-walled, with an integral embouchure plate. **Measurement:** 66.1 cm. **Notes:** DCM ledger: "…(crutch missing)…. Flute had had an open G#; the closed G# was 'restored' by Geo. W. Haynes…Feb. 1917." **Case:** Original case covered with black embossed leather with decorative tooling on top with bees and flowers. Brass joint cover (knurled) and an ivory (or bone) knob for compartment lid. **Provenance:** George W. Haynes, New York, 1 Feb. 1917. Digital image available
0059	**Instrument Type:** Flute in C **Maker Name:** Boehm & Mendler **Maker Place:** Munich **Maker Date:** 1862-1888 **Materials:** Silver, cocus head, silver ferrules. **Keys Holes System:** Boehm system, foot to B, open G#, rollers for C, B. **Physical Description:** 3 sections, post and rod on ribs. Thinned head joint, leaving integral raised embouchure plate. Silver rest for LH 1st finger. **Measurement:** 67.6 cm. **Case:** Original case, with wood cork grease container. On bottom, paper glued with name: R. P. Shippen. **Provenance:** Eugene R. Shippen, Detroit, Michigan, 5 Feb. 1917. Digital image available

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0060	**Instrument Type:** Flute in C **Maker Name:** Charles G. Christman **Maker Place:** New York **Maker Date:** 1837-1854 **Materials:** Cocus or rosewood, ivory head with wood cap, nickel silver keys and ferrules. **Keys Holes System:** 4 keys, round flat flap, pin in block. **Physical Description:** 4 sections, tuning slide in head. Conical, foot to D. **Measurement:** 59.4 cm. **Condition:** Head joint, both sections, cracked. DCM ledger: "Ivory head (cracked: July 1, 1922)." **Provenance:** William Lloyd, New Orleans, 15 Feb. 1917. Digital image available
0061	**Instrument Type:** Flute in D-flat **Maker Name:** Boehm & Mendler **Maker Place:** Munich **Maker Date:** 1862-1881 **Materials:** Grenadilla, nickel silver ribs, and silver or silver-plated keys and ferrules. **Keys Holes System:** Boehm system, open G#, post and rod. **Physical Description:** 2 sections, body and foot are one piece. Cylindrical. **Measurement:** 50.05 cm. **Condition:** Head joint, cracks at socket. **Provenance:** Arthur Gemeinhardt, New York, 8 June 1917. Digital image available
0062	**Instrument Type:** Flute in D-flat **Maker Name:** Maximilian Schwedler; Carl Kruspe, junior **Maker Place:** Leipzig **Maker Date:** ca. 1899 **Materials:** Grenadilla, nickel silver head, keys and ferrules, ebonite embouchure plate and rollers. **Keys Holes System:** Schwedler's "Reform" Flute. Post and rod with modern style key cups, 3 rings. **Physical Description:** 3 sections, conical, revised simple system. Foot to B. Embouchure plate with raised wings or bosses, applied to head joint tube with two machine screws. **Measurement:** 67.7 cm. **Notes:** Schwedler reform flute, early pattern (see DCM 1026, 1584), revised with additional automatic key and venting system, including: double toneholes for the first 2 fingers of the principal rank, automatic vent hole for F# in all octaves, RH 1st finger high D-E3 trill, RH high G trill lever. **Case:** Original case, covered with brown alligator skin. **Condition:** Cracks at socket of upper body joint. **Provenance:** Sherman, Clay & Co., San Francisco, 20 Aug. 1917. Digital image available

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0063	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous **Maker Place:** South Sea Islands(?) **Maker Date:** 19c **Materials:** Heavy bamboo, wrapped with wire in 2 places, top closed with natural septum. **Keys Holes System:** 0/8 holes plus 2 plugged holes below last hole. **Measurement:** 51.9 cm **Notes:** DCM ledger: [made in] "South Sea Islands?" **Provenance:** Pierce's Old Book and Curio Shop, Berkeley, California, 4 Sept. 1917. Digital image available
0064	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Maker Date:** ca. 1900 **Materials:** Bamboo, stained brown, bone ferrules, with incised leaf and bird decoration painted green, white and red. **Keys Holes System:** 0/6 holes, plus membrane hole, 2 tassel holes, plus 2 vent holes. **Measurement:** 65 cm. **Provenance:** Music store, Oakland, California, 7 Sept. 1917. Digital image available
0065	**Instrument Type:** Flute in C **Maker Name:** F. Zogbaum & Co. **Maker Place:** New York **Maker Date:** ca. 1854-p1880 **Materials:** Cocus, nickel silver key and ferrules. **Keys Holes System:** 1 key, round flat flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.4 cm. **Condition:** Cracks at head and lower body joints. **Provenance:** Pierce's Old Book and Curio Shop, Berkeley, California, 4 Sept. 1917. Digital image available
0066	**Instrument Type:** Flute in C **Maker Name:** Gautrot aîné **Maker Place:** Paris **Maker Date:** ca. 1849-1851 **Materials:** Ebony, nickel silver keys and ferrules. **Keys Holes System:** 5 keys, round, post and rod. **Physical Description:** 4 sections, conical. **Measurement:** 61.8 cm. **Condition:** Head, lower and foot joints cracked, filled; wood chipped on upper joint tonehole. **Provenance:** Pierce's Old Book and Curio Shop, Berkeley, California, 4 Sept. 1917. Digital image available

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0067	**Instrument Type:** Piccolo in C **Maker Name:** Rampone **Maker Place:** Milan **Maker Date:** ca. 1850-1912 **Materials:** Cocus, stained and varnished dark, nickel silver keys and ferrules. **Keys Holes System:** 7 keys (7th key for high D trill), round, post and rod. **Physical Description:** 2 sections, tuning slide in head, conical. **Measurement:** 32.1 cm. **Case:** Period case, marked (in gold lettering on the lid inner silk lining): The Tosi Music Company / BOSTON MASS. Velvet-lined bottom with gold decorative paper. **Provenance:** Pawn shop, San Francisco, 5 Sept. 1917. Digital image available
0068	**Instrument Type:** Flute in E-flat **Maker Name:** Heinrich Friedrich Meyer **Maker Place:** Hannover **Maker Date:** turn of 20c **Materials:** Cocus, ivory head, nickel silver cap (over wood), keys and ferrules. **Keys Holes System:** 7 keys, 6-keyed with extra B-flat key lever, post and rod with modern style key cups mounted on recessed flanges. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 50.05 cm. **Case:** Original case, wooden, with embossed leather exterior, velvet-lined interior with gold ribbon. Fancy wood key plate, 2 wood tenon caps. Ivory or celluloid grease container cap in boxwood or maple wood casing. Case signed in pencil beneath lining inside lid, but illegible. **Condition:** Head joint, both sections, cracked. **Provenance:** Pawn shop, San Francisco, 5 Sept. 1917. Digital image available
0069	**Instrument Type:** Piccolo in D-flat **Maker Name:** Anonymous **Maker Date:** late 19c **Materials:** Unidentified wood, completely veneered with nickel-plated copper or brass. **Keys Holes System:** 6 keys, post and rod with modern style key cups. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 31.2 cm. **Notes:** Bottom ferrule and cap also nickel-plated sheet metal over wood. **Provenance:** California Loan Co., Oakland, California, 11 Sept. 1917. Digital image available

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0070	**Instrument Type:** Flute in C **Maker Name:** Giuseppe Barlassina **Maker Place:** Milan **Maker Date:** ca. 1900 **Materials:** Silver. **Keys Holes System:** 18 keys (6 of which are the normal principal rank, post and rod on ribs) simple system fingering, all toneholes covered by padded key cups. **Physical Description:** 3 sections (two head joints for high and low pitch), double-walled tube, conical bore, with cylindrical outer tube. LP head joint with engraved embouchure plate; both heads have silver tenon caps. Foot to B. **Measurement:** 66.2 cm., 68.3 cm. **Case:** DCM ledger: "Case takes body and foot joint in one piece, is arranged for two flutes…. Lettered [in gold] on velvet of cover: 'Barlassina & Saetti, Milano,' with coat of Arms, medals." Case contains one silver tenon cover. **Provenance:** Pawn shop, Oakland, California, 11 Sept. 1917. Digital image available
0071	**Instrument Type:** Flute in C **Maker Name:** Theodore Berteling **Maker Place:** New York **Maker Date:** 1859-1874 **Materials:** Grenadilla, hardwood cap (originally covered with nickel silver, now missing), ivory (upper) head joint, bright nickel silver cork-setting mechanism, keys, and ferrules. **Keys Holes System:** 13 keys, post and rod with modern style key cups. **Physical Description:** 3 sections, tuning slide in head. No separate foot joint, to low B, with rollers for C, B. **Measurement:** 69.3 cm. **Notes:** Interesting key arrangement, low C# fingered with left little finger, and extra LH 3rd finger lever for upper C. **Condition:** Upper head joint cracked, filled previously, repair now failed. Barrel also cracked and filled. Nickel silver head joint cap cover missing. Lower section, upper ferrule missing and replaced with brass. **Provenance:** California Loan Co., Oakland, California, 11 Sept. 1917. Digital image available
0072	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Cocus, nickel silver keys, ferrules, and lined sockets and tenons. **Keys Holes System:** 10 keys, to low C, including high D trill and F# vent key for RH little finger, post and rod with modern style key cups. Roller for C. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.2 cm **Notes:** Crack in head joint barrel covered with (possibly repair attempt) a nickel silver decorative sleeve containing 23 facets. **Condition:** Low C# key missing. **Provenance:** California Loan Co., Oakland, California, 11 Sept. 1917. Digital image available

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0073	**Instrument Type:** Flute in C **Maker Name:** Chabrier de Peloubet **Maker Place:** Bloomfield, New Jersey **Maker Date:** 1836-ca. 1881 **Materials:** Ivory, nickel silver lip plate ferrule, silver keys and ferrules. **Keys Holes System:** 8 keys, round flat flaps, low C, C# pewter plugs at foot joint over square metal plates, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.4 cm. **Case:** Period veneered wooden case. Handwriting on bottom of case is illegible, possibly the name of a previous owner. **Condition:** Head joint, both sections, cracked, barrel repaired with ivory shim. Low C key lower section block replacement (possibly by DCM). **Provenance:** Baxter-Northup Co., Los Angeles, 13 Sept. 1917. Digital image available
0074	**Instrument Type:** Flute in C **Maker Name:** Alfred G. Badger **Maker Place:** New York **Maker Date:** 1847-1857 **Materials:** Cocus, silver lip plate ferrule with decoration, silver cap, keys and ferrules. **Keys Holes System:** Boehm's 1832 system, conical, Dorus G#, Briccialdi B-flat thumb lever (apparently not original), split ring for LH 1st finger B-flat and F#. Foot with roller C, and 2 pewter plugs (probably not original). **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 67.1 cm. **Notes:** Foot joint lower ferrule and head joint cap with finely knurled decoration. **Case:** Original or period case of decorative leather, contains wood crutch. **Condition:** Cracked at head joint barrel and at foot joint socket. Case lid hinge (fabric) torn apart full length. **Provenance:** Baxter-Northup Co., Los Angeles, 13 Sept. 1917. Digital image available
0075	**Instrument Type:** Flute in C **Maker Name:** Rudall Rose & Carte & Co. **Maker Place:** London **Maker Date:** 1852-1857 **Materials:** Silver, ebonite embouchure barrel and cap, nickel silver RH thumb rest. **Keys Holes System:** Carte's 1851 patent, post and rod. Foot to C, with roller. **Physical Description:** 3 sections, cylindrical. **Measurement:** 62.6 cm. **Notes:** DCM ledger: "...with many rough German Silver pieces. Evidently an experimental flute; holes have been cut in body and then covered up. Head perhaps not original. Somewhat like 1851 patent [see DCM 43], and partly Radcliff model [DCM 234, DCM 262]." **Provenance:** Baxter-Northup Co., Los Angeles, 13 Sept. 1917. Digital image available

Unit Id	*Contents*
0076	**Instrument Type:** Flute in C **Maker Name:** Frank Aman **Maker Place:** Chicago **Maker Date:** 1917 **Materials:** Silver-plated over brass, wood crutch. **Keys Holes System:** Boehm system, open G#. **Physical Description:** 3 sections, conical. **Measurement:** 67.45 cm **Notes:** DCM ledger: "Special 'Aman' Model...Boehm system made with the idea of a good flute for cheap, quantity production…. This flute made especially for this collection. Was the first one for which he received 'real money.'" **Case:** Period case, likely original. One case hinge pin missing. **Provenance:** Frank Aman & Co., Chicago, 29 Sept. 1917. Digital image available
0077	**Instrument Type:** Flute in C **Maker Name:** Stecher **Maker Place:** Vienna **Maker Date:** 1865-p1950 **Materials:** Grenadilla, nickel silver with nickel plated keys, ferrules, and other fittings. **Keys Holes System:** 13 keys, foot to B, post and rod with pins, modern style key cups. Six toneholes with metal bushings, metal plugs for low C#, C, & B. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 69.7 cm. **Case:** Case, with decorative metal plaque, hinges and handle. Silk lining on inner lid marked: Karl Stecher / VI. Bez. Nelkengasse 8. / Wien **Condition:** Cracks at upper section of head and on upper section just below tenon. **Provenance:** Frank Aman & Co., Chicago, 29 Sept. 1917. Digital image available
0078	**Instrument Type:** Flute in C **Maker Name:** Heinrich Friedrich Meyer **Maker Place:** Hannover **Maker Date:** turn of 20c **Materials:** Grenadilla, ivory upper head joint, nickel silver end caps. **Keys Holes System:** 11 keys, post and rod with pins. **Physical Description:** 3 sections, tuning slide in head. Foot to B, no separate foot joint. **Measurement:** 70 cm. **Notes:** DCM ledger: "Flute has never been used. Ivory head was intact when received. It 'exploded' one day, with audible noise, 4 cracks!" **Case:** Case, with decorative wood key plate and leather covers, lined with velvet and gold ribbon. Contains two wood tenon covers. Bone or plastic cup for grease cork assembly. Wood cleaning rod with feathers. **Condition:** Cracks in head, upper section. **Provenance:** Lomberg Bros., New York, 12 Oct. 1917. Digital image available

Unit Id	*Contents*
0079	**Instrument Type:** Flute in E-flat **Maker Name:** Chabrier de Peloubet **Maker Place:** Bloomfield, New Jersey **Maker Date:** 1836-ca. 1850 **Materials:** Boxwood, stained brown, ivory cap and ferrules, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 50.5 cm. **Condition:** Crack in upper body joint. **Provenance:** Winick Auction & Storage Co., Cleveland, Ohio, 17 Oct. 1917. Digital image available
0080	**Instrument Type:** Piccolo in D-flat **Maker Name:** Anonymous **Maker Date:** late 19c **Materials:** Nickel silver. **Keys Holes System:** Simple system, 6 keys, post and rod on ribs, modern style key cups. Principal fingerhole rank applied as a continuous rib. **Physical Description:** 2 sections, cylindrical bore with parabolic head joint. **Measurement:** 29.1 cm. **Notes:** Unusually large, concert flute size embouchure plate. **Provenance:** Carl (Max) Fischer, New York, 23 Oct. 1917. Digital image available
0081	**Instrument Type:** Piccolo in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** 1918 **Materials:** Cocus, silver-plated keys and ferrules. **Keys Holes System:** Boehm system, open G#, post and rod. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 31.7 cm. **Case:** Original case, with label inside the lid: RUDALL, CARTE & C°. LTD. / 23, BERNERS STREET, / LONDON . / AND DUBLIN. **Provenance:** William R. Gibbs, Boston, Aug. 1919.
0082	**Instrument Type:** Piccolo in C **Maker Name:** Anonymous **Maker Date:** late 19c **Materials:** Cocus, nickel silver key and ferrules. **Keys Holes System:** 1 key, post and rod. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 31.4 cm. **Provenance:** Pawn shop, Cleveland, Ohio, 14 Nov. 1917. Digital image available

Unit Id	*Contents*
0083	**Instrument Type:** Fife in A-flat **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Nickel-plated brass tube and cap. **Keys Holes System:** 0/6 holes. **Physical Description:** 1 section, cylindrical. Heavy gauge metal, decoratively turned (machined) at 3 points. Soldered-on embouchure plate. **Measurement:** 41.2 cm. **Provenance:** Pawn shop, Chicago, 29 Nov. 1917. Digital image available
0084	**Instrument Type:** Flute in C **Maker Name:** Monzani **Maker Place:** London or New York **Maker Date:** 19c **Materials:** Cocus, silver keys, ferrules, and lip plate ferrule. **Keys Holes System:** 10 keys. One of several models termed Siccama (see DCM 133). This instrument is the standard conical bore, 8 keyed instrument with large toneholes and a 9th and 10th key placing enlarged principal rank toneholes 3 and 6 further down the tube. Post and rod, modern key design, with round flat key flaps attached with stud screws. Standard English-style pewter plug keys over round plates for low C#, C. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 65.1 cm. **Condition:** Cracks (2) in upper head joint. **Provenance:** Baxter-Northup Co., Los Angeles, 18 Jan. 1918. Digital image available
0085	**Instrument Type:** Flute in D-flat **Maker Name:** Heinrich Friedrich Meyer **Maker Place:** Hannover **Maker Date:** late 19c **Materials:** Grenadilla, ebonite head, nickel silver caps, keys and ferrules. **Keys Holes System:** 12 keys, post and rod, modern style key cups including both leaf and needle springs. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 67.7 cm. **Case:** Period (likely original) double case which also takes DCM 86. Case, with decorative key latches, is lined with velvet and gold ribbon. Contains cleaning rod (wood and cotton), wood cork cap, and wood tenon cover. **Condition:** Crack in barrel, filled, and in body. **Provenance:** Baxter-Northup Co., Los Angeles, 18 Jan. 1918. Digital image available

Unit Id	*Contents*
0086	**Instrument Type:** Piccolo in D-flat **Maker Name:** Heinrich Friedrich Meyer **Maker Place:** Hannover **Maker Date:** late 19c **Materials:** Grenadilla (cocus?), ebonite head, nickel silver cap, keys and ferrules. **Keys Holes System:** 6 keys, post and rod on flanges, modern style key cups. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 29.2 cm. **Notes:** DCM ledger notes mark on head (noted above) is on every section. **Case:** Period (likely original) double case which also takes DCM 85. **Condition:** Crack in barrel. **Provenance:** Baxter-Northup Co., Los Angeles, 18 Jan. 1918. Digital image available
0087	**Instrument Type:** Flute in C **Maker Name:** Heinrich Friedrich Meyer **Maker Place:** Hannover **Maker Date:** late 19c **Materials:** Grenadilla, ebonite upper head, nickel silver cap, keys and ferrules. **Keys Holes System:** 14 keys, including extra double vent hole lever for alternate G# RH 2nd finger. Post and rod, modern style key cups, foot joint on ribs. **Physical Description:** 3 sections, tuning slide in head. Foot to B, with C roller. **Measurement:** 71.8 cm. **Notes:** The foot joint socket ferrule contains two key rod posts, and to prevent it moving out of position it is secured with a nickel silver arm soldered between the posts and then screwed to the body about 2 cm. down the tube. **Condition:** Crack in barrel. **Provenance:** Baxter-Northup Co., Los Angeles, 6 Mar. 1918. Digital image available
0088	**Instrument Type:** Flute in C **Maker Name:** Gerock & Wolf **Maker Place:** London **Maker Date:** 1831-1832 **Materials:** Boxwood, ivory cap and ferrules, nickel silver keys. **Keys Holes System:** 4 keys, saltspoon, pin in block. **Physical Description:** 4 sections, conical. **Measurement:** 60.9 cm. **Case:** Period wooden case, missing a lid inlay which likely contained an owner's name or initials. **Condition:** Ivory chipped off on lower body joint. **Provenance:** Baxter-Northup Co., Los Angeles, 6 Mar. 1918. Digital image available

Unit Id	*Contents*
0089	**Instrument Type:** Flute in C **Maker Name:** Heinrich Friedrich Meyer **Maker Place:** Hannover **Maker Date:** late 19c **Materials:** Grenadilla, ivory upper head, nickel silver cap, keys and ferrules. **Keys Holes System:** 11 keys, post and rod, modern style key cups. **Physical Description:** 3 sections, tuning slide. Foot to B, no separate foot joint. **Measurement:** 71.4 cm. **Case:** Original case, with 2 wood tenon covers and wood cork case. **Condition:** Crack in head entire length, old repair now failed. **Provenance:** Baxter-Northup Co., Los Angeles, 6 Mar. 1918. Digital image available
0090	**Instrument Type:** Piccolo in C **Maker Name:** Martin frères **Maker Place:** Paris **Maker Date:** ca. 1840-1927 **Materials:** Cocus, silver keys, ivory ferrules and inlay at cap. **Keys Holes System:** 5 keys, post and rod, modern style key cups, on recessed flanges. **Physical Description:** 4 sections. **Measurement:** 32.2 cm. **Condition:** Crack in head joint barrel and upper ferrule. Short F key flange is a nickel silver replacement. **Provenance:** George W. Haynes, New York, 22 Mar. 1918. Digital image available
0091	**Instrument Type:** Flute in C **Maker Name:** Louis Lot **Maker Place:** Paris **Maker Date:** 1857 **Materials:** Cocus, silver keys, nickel silver ribs. **Keys Holes System:** Boehm system, Dorus G#, open holes, post and rod on ribs. **Physical Description:** 3 sections, foot to B, rollers for C, B. Metal-lined sockets. **Measurement:** 70.6 cm. **Case:** Original or period case. **Condition:** Head joint cracked, filled and pinned. **Provenance:** George W. Haynes, New York, 22 Mar. 1918. Digital image available

Unit Id	*Contents*
0092	**Instrument Type:** Flute in C **Maker Name:** Boehm & Mendler **Maker Place:** Munich **Maker Date:** 1877 **Materials:** Silver, gold embouchure plate. **Keys Holes System:** Boehm system, open G#, octave (Schleif) key. **Physical Description:** 3 sections, foot to B, rollers for C, B. **Measurement:** 67.3 cm. **Case:** Original case. **Condition:** Case lid hinge (fabric) torn apart full length. **Provenance:** George W. Haynes, New York, 22 Mar. 1918. Digital image available
0093	**Instrument Type:** Flute in C **Maker Name:** Martin frères **Maker Place:** Paris **Maker Date:** mid 19c **Materials:** Cocus or rosewood, nickel silver keys and ferrules, metal-lined sockets. **Keys Holes System:** 4 keys, flat round, post and rod direct mount. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 61.4 cm. **Condition:** All three (metal-lined) sockets cracked. **Provenance:** "Atlas," Washington, D.C., 16 May 1918. Digital image available
0094	**Instrument Type:** Flute in C **Maker Name:** Theodore Berteling **Maker Place:** New York **Maker Date:** 3rd quarter 19c **Materials:** Grenadilla, nickel silver keys, ferrules (except replacement) and outer lining for both sections of head. **Keys Holes System:** 14 keys, post and rod, modern style key cups. Rollers for low C#, C. **Physical Description:** 3 sections, tuning slide in head (no separate foot joint). **Measurement:** 66.1 cm. **Notes:** DCM ledger: "Berteling's System ...extra key for low E-natural, extra key for high C. E-natural hole bored on slant." **Condition:** Barrel section of head cracked under metal sleeve; upper ferrule on lower joint is a replacement. **Provenance:** "Atlas," Washington, D.C., 16 May 1918. Digital image available

Unit Id	*Contents*
0095	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** ca. 1900 **Materials:** Grenadilla, nickel silver keys and ferrules. **Keys Holes System:** 19 keys, (13 keys plus the 6 holes of the principal rank covered with keywork), post and rod, with modern style key cups. Foot to B, with rollers for low C#, C. **Physical Description:** 3 sections, tuning slide in head (no separate foot joint). **Measurement:** 71.2 cm. **Case:** Period case, with 2 wood tenon covers and plastic cork case. **Condition:** Head joint, upper section, cracked entire length. **Provenance:** "Atlas," Washington, D.C., 16 May 1918. Digital image available
0096	**Instrument Type:** Flute in C **Maker Name:** George Cloos **Maker Place:** New York **Maker Date:** ca. 1900 **Materials:** Cocus, nickel silver keys and ferrules, metal-lined sockets. **Keys Holes System:** Simple system, 16 keys (10 keys plus the 6 holes of the principal rank covered with keys, including one ring for upper C# vent), post and rod, modern style key cups, on ribs with adjustment screws. To low C, with roller for C. **Physical Description:** 3 sections, cylindrical bore. **Measurement:** 68.1 cm. **Case:** Period or original case, with 2 wood tenon covers and aluminum cork case. **Provenance:** George Cloos, Brooklyn, New York, 6 June 1918. Digital image available
0097	**Instrument Type:** Flute in C **Maker Name:** Johann (John) Pfaff **Maker Place:** Philadelphia **Maker Date:** 1843-ca. 1888 **Materials:** Cocus, silver keys and ferrules (beaded at one end), cocus cap with nickel silver shaft. **Keys Holes System:** 11 keys, post and rod, modern style key cups with decorative profile, including novel extra upper C lever for left thumb. Foot to B. **Physical Description:** 4 sections, with extra head (with tuning slide). **Measurement:** 69.9 cm. **Condition:** Head (with tuning slide) cracked. **Provenance:** George Cloos, Brooklyn, New York, 6 June 1918. Digital image available

Unit Id	*Contents*
0098	**Instrument Type:** Flute in C **Maker Name:** Louis Lot **Maker Place:** Paris **Maker Date:** 1873 **Materials:** Cocus, ebonite head, silver keys and ferrules. **Keys Holes System:** Boehm system, conical, foot to D. Briccialdi thumb, closed G#, post and rod, ring keys. **Physical Description:** 3 sections. **Measurement:** 61.5 cm. **Notes:** DCM ledger: "Ebonite head has no name, but appears to be of same size and shape as original L.L." **Condition:** Small crack at foot joint socket. **Provenance:** Baxter-Northup Co., Los Angeles, 20 Nov. 1918. Digital image available
0099	**Instrument Type:** Flute in C **Maker Name:** Theobald Boehm **Maker Place:** Munich **Maker Date:** ca. 1850 **Materials:** Silver-plated nickel silver, with extra wood head (with nickel silver ferrules at embouchure). **Keys Holes System:** Boehm system with keys mounted on front, open G#, post and rod on ribs. **Physical Description:** 3 sections. **Measurement:** 64.95 cm. (silver), 66.23 cm. (wood) **Notes:** DCM ledger: "Metal flute made by Boehm himself, No. 19, about 1850. Early type of cylinder bore…. Formerly belonged to Edward Martin Heindl, who 'gave' it to Geo. W. Haynes, about 1888, and later took it back! Haynes put on a special thumb key about 1888." Probably the first metal Boehm flute to be brought to America [1864 by Edward Martin Heindl], used by him in the famous Mendelssohn Quintette Club, and in the Boston Symphony Orchestra upon its organization in 1881. Silver head joint perhaps by Badger. **Case:** Case. **Condition:** Crack in wood head joint. Silver head joint is missing cap, and cracked in inner wood layer at embouchure. Some keys heavily pitted. Metal patch at RH thumb, probably a repair. **Provenance:** Baxter-Northup Co., Los Angeles, 20 Nov. 1918. Digital image available
0100	**Instrument Type:** Zummāra (Double Pipe, Single Idioglottal Reeds) **Maker Name:** Anonymous **Maker Place:** Egypt **Maker Date:** 19c **Materials:** Two bamboo pipes bound with thread and decorative braided brass wire (over an inner steel wire) snake. **Keys Holes System:** 0/6 holes (each pipe). **Physical Description:** 2 pipes, 3 sections each. **Measurement:** 34 cm. **Provenance:** James S. Gibson, Boston, 23 Dec. 1918. Digital image available

Unit Id	*Contents*
0101	**Instrument Type:** Union Bagpipe (Irish Bagpipe Double Chanter) **Maker Name:** Michael Egan **Maker Place:** Liverpool **Maker Date:** 1845-1851 **Materials:** Wood, brass key, ivory ferrule and plate (added) on lower end, nickel silver damper on lower end. **Keys Holes System:** 1/7 holes (double holes) plus 1 key with 2 holes underneath, square flap, pin in block. **Physical Description:** Chanter only. **Measurement:** 37.4 cm. **Notes:** Double bore. **Condition:** Ivory plate on bottom broken and missing half. **Provenance:** James S. Gibson, Boston, 23 Dec. 1918. Digital image available
0102	**Instrument Type:** Suling (Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Bamboo. **Keys Holes System:** 0/6 holes. **Physical Description:** Tube closed at top by knot. Incised burned decoration. **Measurement:** 54.1 cm. **Condition:** Missing its bamboo duct ring. **Provenance:** James S. Gibson, Boston, 23 Dec. 1918. Digital image available
0103	**Instrument Type:** Flute in C **Maker Name:** Firth Hall & Pond **Maker Place:** New York **Maker Date:** 1833-1847 **Materials:** Boxwood, lightly stained, ivory end cap and ferrules, brass keys. **Keys Holes System:** 2 keys (short F and D#), saltspoon. Originally a 4-keyed flute with brass saltspoon keys, pin in block. **Physical Description:** 4 sections. **Measurement:** 59.6 cm. (without cap) **Notes:** The upper joint with it as received and noted by DCM, is from an anonymous 1-keyed instrument. DCM ledger: "The middle joint is new, and has no keys. Probably the original had at least two keys, making a 4-keyed flute. The spacing of the holes is very peculiar for the other parts; they are nearly a half tone flat in position." **Condition:** Head joint cap missing and socket cracked with an entire broken section held in place by what appears to be the original ring (not cracked). Upper joint is keyless, see above. Lower body joint missing ferrule and its one (F) key, although the pin is present. It is also severely warped with cross grain cracks at holes 5, 6, and F. Foot joint E-flat key broken near fulcrum and missing finger spatula portion. **Provenance:** James S. Gibson, Boston, 23 Dec. 1918. Digital image available

Unit Id	*Contents*
0104	**Instrument Type:** Dual-Use Flute Head Joint **Maker Name:** Wünnenberg **Maker Place:** Cologne **Maker Date:** ca. 1889 **Materials:** Nickel silver with nickel plate, with embouchure barrel made of ivory imitation composite material. **Keys Holes System:** Wünnenberg's patent for new flute head joint. **Physical Description:** Head joint. **Measurement:** 11.7 cm., 11.5 cm. (extra joint) **Notes:** Head joint with nearly 180 degree U-bend followed by a nearly right angle bend for vertical holding (patent no. 49789). The basic curved unit terminates in a tenon which fits into either a standard metal cylindrical flute body or into a coupler which contains both the head joint socket back to back with a second socket for use on a wooden body flute which has a tenon at the upper end. Used this way, this head joint is curiously short and would only generate only a very high pitch instrument, possibly functioning as a D-flat flute. With it is an extension tube. **Condition:** Ivory tube cracked and filled. **Provenance:** Karl Krause, Albany, New York, 1918-1919. Digital image available
0105	**Instrument Type:** Whistle **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Bone, possibly from large bird, stained purple with thong loop. **Measurement:** 14.9 cm. **Provenance:** Traveling salesman, Cleveland, Ohio, Jan. 1919. Digital image available
0106	**Instrument Type:** Whistle (Duct) **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Terracotta. **Keys Holes System:** 2 fingerholes. **Physical Description:** Whistle flute in form of 4-legged mammal. Tail being the mouthpiece, the edge is the rump, 2 fingerholes located at front shoulders. **Measurement:** 10 cm. **Condition:** Left ear and left rear leg broken off and missing. **Provenance:** Traveling salesman, Cleveland, Ohio, Jan. 1919. Digital image available

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0107	**Instrument Type:** Flute in C **Maker Name:** Theodore Berteling **Maker Place:** New York **Maker Date:** ca. 1882-1890 **Materials:** Grenadilla, ivory upper head joint with grenadilla barrel, nickel plate over nickel silver cap, keys, and ferrules. **Keys Holes System:** Old system, 14 keys and 4 finger rings, the upper pair for C# vent, the lower vent for F# which is an actual extra thumb key mechanism opening on back. **Physical Description:** 3 sections, tuning slide in head. No separate foot joint. **Measurement:** 70.3 cm. **Case:** Case, covered with brown leather, with silver fittings, containing 2 cocus tenon covers and a cork grease container. **Provenance:** "Atlas," Washington, D.C., 20 Jan. 1919. Digital image available
0108	**Instrument Type:** Flute in C **Maker Name:** George Winfield Haynes **Maker Place:** New York **Maker Date:** 1912 **Materials:** Cocus, inlaid silver lip plate, metal tenon and socket, silver ferrules. **Keys Holes System:** Boehm system, foot to C. Novel Briccialdi B-flat mechanism design. Closed G#. **Physical Description:** 2 sections, body and foot joint are one piece. **Measurement:** 68 cm. **Case:** Case. **Provenance:** George W. Haynes, New York, 15 Feb. 1919. Digital image available
0109	**Instrument Type:** Flute in C **Maker Name:** Clinton & Co. **Maker Place:** London **Maker Date:** ca. 1863 **Materials:** Silver, with silver rest plate for left hand 1st finger. **Keys Holes System:** Cylindrical bore, old system, of the Clinton Equisonant model. An enlarged version of the Clinton scheme as described by DCM, see DCM 685. Foot to C, with roller. **Physical Description:** 3 sections. **Measurement:** 65.5 cm. **Notes:** See DCM 1284. Toneholes increase in diameter down the length of the tube becoming nearly as large in diameter as the bore at the low C, C# holes. **Case:** Case, with cocus thumb crutch and cork grease container. **Provenance:** D. Ehrlich, New York, 15 Feb. 1919. Digital image available

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0110	**Instrument Type:** Flute in C **Maker Name:** Louis Lot **Maker Place:** Paris **Maker Date:** 1884 **Materials:** Grenadilla, silver plated keys, rods, ferrules. Nickel silver lined sockets and nickel silver upper body tenon. **Keys Holes System:** Boehm system, cylindrical, open hole. Foot to C, with roller, closed G#. **Physical Description:** 3 sections. **Measurement:** 66.1 cm. **Case:** Case, with cork grease container. **Condition:** Head joint cracks at socket. Appears to have had crutch, possibly not original, later removed, screw holes plugged. **Provenance:** George W. Haynes, New York, 17 Mar. 1919. Digital image available
0111	**Instrument Type:** Flute in C **Maker Name:** Rudall Rose Carte & Co. **Maker Place:** London **Maker Date:** 1852-1871 **Materials:** Cocus, silver plate over brass keys, ferrules. **Keys Holes System:** Conical bore, simple system flute with unusually large, Boehm-like toneholes. 8-keyed flute plus 6 principal rank keys. Foot to C with roller. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 65.7 cm. **Notes:** Three of the principal rank keys close a pair of adjacent toneholes. The left hand first finger key is 2-part: an open hole key pad under a finger ring, the latter closing that tonehole by motion of the second and/or second and third finger, left hand, for the old upper C fingering (without the C key). The four principal rank toneholes for the right hand offer the option of a forked F in addition to the normal F old system fingering. **Case:** Case. **Condition:** Crack in barrel. Crack in foot at socket running into E-flat tonehole. **Provenance:** D. Ehrlich, New York, 23 Mar. 1919. Digital image available

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0112	**Instrument Type:** Flute in C **Maker Name:** Joseph Wallis **Maker Place:** London **Maker Date:** ca. 1894-1895 **Materials:** Ebonite, nickel silver ferrules and slide at mouthpiece. **Keys Holes System:** Giorgi system, cylindrical, vertically blown. See DCM 481a and 481b. **Physical Description:** 2 sections. **Measurement:** 52.2 cm. **Notes:** Vertically blown, having a small head joint, with an integral embouchure plate turned 90 degrees (perpendicular) to the body tube, and incorporating a tuning slide (3.74 cm.). Similar to the Giorgi flute, the patented fingering system consists of 11 toneholes requiring all finger tips plus first finger 3rd phalynx: the tonehole system offers the full chromatic scale with fingerings equally (in)convenient in all keys. **Case:** Case, with maker's imprint in gold on purple silk lining: JOSEPH WALLIS & SON LIMITED. / SOLE PROPRIETORS / OF THE / GIORGI PATENT / LONDON N.W. **Provenance:** Baxter-Northup Co., Los Angeles, 9 Apr. 1919. Digital image available
0113	**Instrument Type:** Flute in C **Maker Name:** William A. Pond & Co. **Maker Place:** New York **Maker Date:** ca. 1860-1877 **Materials:** Cocus, silver keys, ivory ferrules. **Keys Holes System:** 8 keys, modern style key cups, pewter plugs over round plates for low C#, C. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.35 cm. **Condition:** Head joint, both sections, cracked. Middle section crack at socket extending to hole 5. Missing middle joint ferrule and foot joint upper ferrule. Lower ferrules cracked, upper ferrule cracked and missing 170 degrees. **Provenance:** Baxter-Northup Co., Los Angeles, 9 Apr. 1919. Digital image available
0114	**Instrument Type:** Kaval (End-blown Flute) **Maker Name:** Anonymous **Maker Place:** Bulgaria **Maker Date:** 19c **Materials:** Unidentified wood, possibly mahogany, bone ferrules. Bird's eye décor and some turned lines are black-filled; others are filled with brown paint or ink. **Keys Holes System:** 1/7 holes plus an upper venthole on bottom joint, and halfway down the tube, 3 more ventholes. **Physical Description:** 3 sections. Bone ferrules decorated on the lathe with turned grooves and bird's eye decorations applied with a preshaped cutting tool. **Measurement:** 84 cm. **Condition:** The bottom joint upper bone ferrule is missing, and the wood beneath it is cracked. **Provenance:** F. Vragas & Co., New York, 30 June 1919. Digital image available

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0115	**Instrument Type:** Flute in C **Maker Name:** William Sherman Haynes **Maker Place:** Boston **Maker Date:** 1902 **Materials:** Grenadilla, silver keys and ferrules. **Keys Holes System:** Boehm system, cylindrical. closed hole. Closed G#, B-flat and C trills, C# trill key right hand first finger, foot to C with rollers for C#, C. **Physical Description:** 3 sections. **Measurement:** 66.8 cm. **Notes:** DCM ledger: "Mr. Powell said it was probably made by Mr. Wm. S. Haynes." **Condition:** Head joint crack at socket. Crutch missing. **Provenance:** William S. Haynes, Boston, 15 Sept. 1919. Digital image available
0116	**Instrument Type:** Piccolo in C **Maker Name:** Emil Rittershausen **Maker Place:** Berlin **Maker Date:** ca. 1908-1921 **Materials:** Grenadilla, nickel silver cap, keys, and ferrule. **Keys Holes System:** Old system, cylindrical, with 12 keys: 6 covering the principal rank fingerholes, modern style key cups, post and rod; 7 mounted on ribs, 5 each with a single flange. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 31.65 cm. **Condition:** Head joint, crack at barrel section. Damage to finish and exterior. **Provenance:** George W. Haynes, New York, 6 Oct. 1919. Digital image available

Unit Id	*Contents*
0117	**Instrument Type:** English Double Flageolet **Maker Name:** Bacon & Hart **Maker Place:** Philadelphia **Maker Date:** ca. 1818-1833 **Materials:** Boxwood, moderately dark stain, ivory mouthpiece, ferrule, and finger studs, brass keys. **Keys Holes System:** 7 keys, including 2 windway cutoff keys, flat square flap. Left pipe: 0/7 holes plus 2 keys; right pipe: 1(key)/5 plus 2 keys. Pin in block. **Physical Description:** 2-part sponge chamber with period sponge intact. **Measurement:** 46 cm. **Condition:** Mouthpiece broken off just above decorative turning. Upper section with sponge chamber missing chip of wood, stock has 3 cracks, one of which is quite large, full length, and previously professionally repaired with 4 iron cross pins. Left pipe upper key block cracked, partially missing and with key missing. 3 ivory finger studs missing. Right pipe, one ivory finger stud missing. **Provenance:** Robert R. Tatnall, 11 Oct. 1919. Dr. Tatnall was a physicist and flutist. In the earliest correspondence with DCM, 9 Aug. 1909, Dr. Tatnall was with the Department of Physics at Northwestern University, Evanston, Illinois, and he wrote to ask DCM's advice about purchasing a Haynes flute. He also visited Miller in Cleveland in 1909 to see his flute collection. In later correspondence in 1935 and 1936, Dr. Tatnall was associated with J. E. Rhoads & Sons, a leather company, in Wilmington, Delaware. Digital image available
0118	**Instrument Type:** Flute in Low F (Alto or Bass in F) **Maker Name:** George Winfield Haynes **Maker Place:** Los Angeles **Maker Date:** 1898 **Materials:** Tube of Mexican silver dollars, embouchure plate of $20 gold piece. **Keys Holes System:** Boehm system, cylindrical, closed G#, Briccialdi key, foot to C. **Physical Description:** 3 sections. **Measurement:** 95.1 cm. **Notes:** DCM ledger: "The tube is made of Mexican silver dollars, which cost 43 cents per dollar. Head joint is seamless, made of hollow ingot, bored, turned, and drawn on special hydraulic draw-bench. Tube has the first drawn tone-holes, originated by Geo. W. Haynes, and since copied by others. Lip plate made from $20 gold piece. Entire flute made by Haynes himself in 1898...the engraved name was [later] added with Mr. Haynes approval." **Case:** Case, with round silver container inside. **Provenance:** Baxter-Northup Co., Los Angeles, 18 Oct. 1919. Digital image available

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0119	**Instrument Type:** Flute in C **Maker Name:** Ferdinand G. Schauffler **Maker Place:** Boston **Maker Date:** 1851-1857 **Materials:** Cocus, ivory head, silver ferrules. **Keys Holes System:** 13 keys to low A (for left thumb, 40.5 cm.). Metal plugs with square plates for low C#, C, B, B-flat, A, otherwise modern style key cups and pad design. Rollers for F, low C#, C, B, B-flat, A. Pin in block. **Physical Description:** 3 sections, tuning slide in head, no separate foot joint. **Measurement:** 78.35 cm. **Notes:** DCM ledger: "Ivory head slightly hollowed for lower lip." **Condition:** Head joint cracked (when purchased), filled. Crutch missing. **Provenance:** Edward F. Chapin, Chicago, Nov. 1919.
0120	**Instrument Type:** Flute in C **Maker Name:** T. Goggan & Brother **Maker Place:** Galveston **Maker Date:** early 20c **Materials:** Cocus, silver key and ferrules, head joint fully metal-lined. **Keys Holes System:** 1 key, round, modern key cup, post and rod. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 60 cm. **Notes:** Goggan Brothers likely not maker, but musical instrument dealer. According to DCM ledger: "One ring missing. Barrel joint cracked." **Condition:** Head joint barrel cracked and filled, lower body joint cracked at socket. **Provenance:** Baxter-Northup Co., Los Angeles, Nov. 1919. Digital image available
0121	**Instrument Type:** Flute in C **Maker Name:** Charles G. Christman **Maker Place:** New York **Maker Date:** 1855-1857 **Materials:** Rosewood, ivory cap, cork-setting mechanism and ferrules, varnished silver keys, metal-lined head. **Keys Holes System:** 6 keys, foot to C, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.3 cm. **Condition:** Head joint, both sections, cracked. Upper body and G# key block broken off and missing one side. Foot joint socket cracked in 3 places, upper ferrule reported cracked by DCM, now missing. **Provenance:** Baxter-Northup Co., Los Angeles, Nov. 1919. Digital image available

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0122	**Instrument Type:** Shakuhachi (Notched Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** early 20c **Materials:** Bamboo, ivory uta-guchi (edge). **Keys Holes System:** 1/4 holes. Meian style. **Measurement:** 56.9 cm.; Kyuusun 1.9 **Notes:** No lacquer in bore. Pitch at D-flat. **Provenance:** Prof. T. Shinomiya, Hiroshima, Japan, 19 Jan. 1920. Digital image available
0123	**Instrument Type:** Flute in C **Maker Name:** William Hall & Son **Maker Place:** New York **Maker Date:** 1847-1874 **Materials:** Cocus, nickel silver keys, ferrules and lip plate ferrule. **Keys Holes System:** 8 keys, modern style key cups, pewter plugs over round metal plates for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.4 cm. **Case:** Case. **Condition:** Head joint, both sections, cracked and filled. Long F guide block broken off and detached. **Provenance:** Baxter-Northup Co., Los Angeles, 26 Jan. 1920. Digital image available
0124	**Instrument Type:** Flute in C **Maker Name:** Astor **Maker Place:** London **Maker Date:** early 19c **Materials:** Boxwood, stained, brass key, ivory ferrule. **Keys Holes System:** 1 key, square flat flap. **Physical Description:** 4 sections. **Measurement:** 61.5 cm. **Condition:** Crack at upper end of head joint. According to DCM ledger: "Key was missing, replaced by DCM Nov. 1920." Original head joint cap was missing. Probably of the simple sort that fit over the head joint and into a mortice or shoulder cut to receive it. DCM devised a bone ferrule to fill the mortice space and then a simple boxwood plug to serve as a cap. **Provenance:** William R. Gibbs, Boston, 9 Mar. 1920. Digital image available

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0125	**Instrument Type:** Flute in C **Maker Name:** Dollard **Maker Place:** Dublin **Maker Date:** early 19c **Materials:** Ivory, ivory cap and cork-setting mechanism, silver keys. **Keys Holes System:** Originally 4 silver keys to low C#, saltspoon, pin in block, a 5th key of nickel silver for left hand B-flat has been added with a brass saddle mount. **Physical Description:** 4 sections. **Measurement:** 63.8 cm. **Notes:** In remarkable shape. **Provenance:** Redman, Chicago, 24 May 1920. Digital image available
0126	**Instrument Type:** Piccolo in C and D-flat **Maker Name:** Nicholas Alberti **Maker Place:** Chicago **Maker Date:** ca. 1914 **Materials:** Silver. **Keys Holes System:** Boehm system with Alberti patented tonehole system to permit half-step pitch change. See "Preface." Holes shifted to either end of oblong- (racetrack) shaped holes when the head joint is lengthened or shortened for either key. **Physical Description:** 2 sections. **Measurement:** 30.5 cm., 29.35 cm. **Case:** Case. **Provenance:** Nicholas Alberti, Chicago, 22 May 1920. Digital image available
0127	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Peter Bressan **Maker Place:** London **Maker Date:** 1688-1730 **Materials:** Boxwood, stained brown, ivory beak and ferrules. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 50.2 cm. **Notes:** With both original and replacement block. **Provenance:** John Finn, Essex, England, June 1920. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available

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0128	**Instrument Type:** Picco Pipe **Maker Name:** Anonymous **Maker Place:** London **Maker Date:** mid 19c **Materials:** Cocus, nickel silver knurled ferrule. **Keys Holes System:** 1/2 holes. **Physical Description:** 1 piece, short, 3-holed fipple flute resembling a recorder head joint. **Measurement:** 9.4 cm. **Provenance:** Arthur Brooke, Boston, 8 July 1920. Digital image available
0129	**Instrument Type:** English Double Flageolet **Maker Name:** William Bainbridge **Maker Place:** London **Maker Date:** 1821-1831 **Materials:** Boxwood, ivory mouthpiece, ferrules and finger studs, silver keys. **Keys Holes System:** Right pipe: 0/5 holes plus 4 keys; left pipe: 0/7 holes plus 5 keys, 2 of them are mounted on the stock joint above including the high C key (left hand 1st finger) and the right pipe cut-off key (left thumb), flat square flap, pin in block. **Physical Description:** 2 sections. **Measurement:** 47.9 cm. **Notes:** All keys and holes are lettered and numbered. The stock includes a key mounting block for the left pipe cut off but never cut in to receive the key. **Case:** Square mahogony case inlaid with brass border and name plate (missing when received by DCM, new plate by DCM, also missing). **Condition:** Sponge chamber upper part missing large chip of wood. Lower sponge chamber section has cracked lower ivory ferrule. **Provenance:** James S. Gibson, Denver, Colorado, July 1920. Digital image available
0130	**Instrument Type:** Flute in C **Maker Name:** Johann (John) Pfaff **Maker Place:** Philadelphia **Maker Date:** 1843-ca. 1888 **Materials:** Cocus, ivory head, metal-lined with cocus cap, silver keys and ferrules. **Keys Holes System:** 8 keys, flat round pads, rollers on C#, C, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.2 cm. **Case:** Case, covered with light brown leather, with decorative brass key plate. **Condition:** Head joint, both sections, cracked. **Provenance:** Wendell P. Tarbell, Milford, New Hampshire, 15 July 1920. Digital image available

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0131	**Instrument Type:** Flute in C **Maker Name:** Asa Hopkins **Maker Place:** Litchfield **Maker Date:** 1829-1837 **Materials:** Boxwood, ivory cap and ferrules, silver keys. **Keys Holes System:** 4 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head, fully lined. **Measurement:** 59.55 cm. **Notes:** The ivory end cap appears to be a replacement, it being slightly undersize and less finely turned than the ferrules. The head joint lower ferrule is also a replacement. Upper 4.5 cm. of the lower body joint tube is a replacement, although the ferrule may be from the instrument. **Condition:** See Notes. **Provenance:** Wendell P. Tarbell, Milford, New Hampshire, 15 July 1920. Digital image available
0132	**Instrument Type:** Cuckoo Pipe **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Wood, stained brown, possibly maple or boxwood, bone mouthpiece. **Keys Holes System:** Turned fipple flute with curved edge. Tuning slide at lower end containing small endhole and one fingerhole. **Physical Description:** 2 sections plus mouthpiece. **Measurement:** 24.5 cm. **Condition:** Chip at bottom. **Provenance:** A. P. Miller, Oakland, California, 19 July 1920. Digital image available
0133	**Instrument Type:** Flute in C **Maker Name:** Abel Siccama **Maker Place:** London **Maker Date:** 1850 **Materials:** Cocus, silver-plated keys and ferrules. **Keys Holes System:** 10 keys; one of several models termed Siccama (see DCM 84), this instrument is the standard conical bore 8-keyed instrument with large toneholes and a 9th and 10th key placing enlarged principal rank toneholes 3 and 6 further down the tube. Modern post and rod key design with round flat key flaps attached with stud screws. Standard English-style pewter plug keys over round plates for low C#, C. **Physical Description:** 3 sections with tuning slide in head. See DCM 1427. **Measurement:** 64.3 cm. **Notes:** In letter from John Finn to DCM, 8 Aug. 1920, he states: "The Siccama flute was formerly the property of the late Mr. Christopher Welch. It was made for him about 1850. I can tell you the year later, but at the moment of writing cannot turn up the record. It may be stated that Mr. Welch knew Siccama quite well." **Case:** Case, with wood cork grease container. **Condition:** Crack in head joint upper section, and in foot joint at socket. **Provenance:** John Finn, Essex, England, 21 July 1920. Formerly owned by Christopher Welch, London. Digital image available

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0134	**Instrument Type:** Flute in C **Maker Name:** Boehm & Mendler **Maker Place:** Munich **Maker Date:** 1862-1888 **Materials:** Silver, gold embouchure plate, wood crutch. **Keys Holes System:** Boehm system, open G#, rollers for C#, C. **Physical Description:** 3 sections. **Measurement:** 64.9 cm. **Notes:** Used in Buffalo Bill's Wild West European Tour, 1887. **Provenance:** Paul H. Oliver, Nutley, New Jersey, 7 Aug. 1920. Digital image available
0135	**Instrument Type:** English Flageolet **Maker Name:** William Bainbridge **Maker Place:** London **Maker Date:** 1808-1820 **Materials:** Boxwood, ivory mouthpiece and finger studs, brass keys. **Keys Holes System:** 1/7 holes, upper front hole plugged for half-hole vent. Two adjacent right little finger keys for E-flat/D# (British Patent No. 2693, Bainbridge, 1803), similar to the Quantz-Tromlitz design. Pin in block. **Physical Description:** 2 sections, upper section consists of fipple joint and one-piece sponge chamber, and ivory mouthpiece. **Measurement:** 40.25 cm. **Condition:** Sponge chamber cap section cracked, repaired with nickel silver ferrule. Missing two ivory finger studs. Cracks at fipple joint. **Provenance:** John Finn, Essex, England, 20 Sept. 1920.
0136	**Instrument Type:** Picco Pipe **Maker Name:** Anonymous **Maker Date:** mid 19c **Materials:** Boxwood. **Keys Holes System:** 1/2 holes. **Physical Description:** 1 piece, short, 3-hole fipple flute resembling a recorder head joint. **Measurement:** 9 cm. **Provenance:** John Finn, Essex, England, 20 Sept. 1920. Digital image available
0137	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** India **Maker Date:** 19c **Materials:** Bamboo. **Keys Holes System:** 0/4 holes. **Measurement:** 24.45 cm. **Notes:** Knot decorated by removing the bark with incised zigzag lines. **Provenance:** John Finn, Essex, England, 20 Sept. 1920. Digital image available

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0138	**Instrument Type:** Flute in C **Maker Name:** Djalma Julliot; Eugene Bercioux (See Notes.) **Maker Place:** La Couture; Paris **Maker Date:** 1890-p1925; 1900-1905 **Materials:** Cocus, nickel silver ferrules. **Keys Holes System:** Borne-Julliot system, cylindrical Boehm system, and further modified with open holes and Mignolet's patent G# key. This second left hand little finger lever had formerly offered an alternate F# fingering on the earlier Borne-Julliot model (see DCM 193), now taking the form of a lever for the 3rd finger right hand. Also, C# trill, closed G#, foot to C with roller C. **Physical Description:** 3 sections. **Measurement:** 68.55 cm. **Notes:** Eugene Bercioux, Paris, woodwind instrument maker, repairer, dealer. **Provenance:** Jean Mignolet, Denver, Colorado, 30 June 1920. Digital image available
0139	**Instrument Type:** Flute in C **Maker Name:** [Djalma Julliot-Mignolet] **Maker Date:** a1920 **Materials:** Nickel silver, with nickel silver long tenon forming a tuning slide with nickel silver body, cocus head, metal-lined. **Keys Holes System:** Cylindrical bore, old system, with Mignolet patent G#, one piece body to D, this instrument is, in effect, a metal version of the 10-keyed Siccama flute (minus long F, low C#, C) with the exception that the left hand 3rd finger key closes two large toneholes for G and the little finger then reopens the lower of the two for G#, similar to the Dorus arrangement of dual opposing springs. 7 keys, 4 uncovered fingerholes. **Physical Description:** 2 sections. **Measurement:** 63.3 cm. **Notes:** Flute in C, unsigned, according to DCM correspondence with Jean Mignolet, Denver, Colorado, 31 Oct. 1920: "...it was made by my friend Djalma Julliot, La Couture Boussey, France, who at the time made flutes for Paul Taffanel." **Condition:** Head joint cracked full length. **Provenance:** Jean Mignolet, Denver, Colorado, 20 Sept. 1920. Digital image available

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0140	**Instrument Type:** Flute in C **Maker Name:** (Carl) Augustin Grenser I **Maker Place:** Dresden **Maker Date:** a1753 **Materials:** Boxwood, ivory and boxwood screw cap and register, ivory ferrules, brass key. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. Extra upper body joint. **Measurement:** 59.8 cm., 62.6 cm. **Notes:** Foot marked: (fleur-de-lis) / A. GRENSER / .. Register on foot. According to Seyfrit, v. 1: "The section marked .7. has been shortened from an original length of about 618 mm. The key is not original." 5 and 7 of 7 corps de rechange as indicated on foot register. The early provenance of this instrument is uncertain, however, according to DCM correspondence with Mignolet, 1920, it was "...one of Frederick the Great's," as the flute came from a family in Breslau who stated this. **Condition:** Crack in register ferrule. **Provenance:** Jean Mignolet, Denver, Colorado, 20 Sept. 1920. Digital image available
0141	**Instrument Type:** T'ai P'ing Xiao (Vertical Whistle Flute) **Maker Name:** Anonymous, Chinese **Maker Date:** early 20c **Materials:** Bamboo, bone ferrules, green tassels with lavender beads. **Keys Holes System:** 0/6 holes plus membrane hole plus 2 tassel holes. **Measurement:** 47.7 cm. **Notes:** The upper bone cap (?) is perforated apparently to be all or part of the original blow hole. The labium or edge is on the back of the instrument. The front then contains what may be an optional lateral blow hole so that when played, the instrument appears to be a Di, or, the instrument was originally a Di, and later converted to be a T'ai P'ing Xiao. **Condition:** Cracked between 2nd and 4th fingerholes. **Provenance:** Chinatown, San Francisco, 16 Aug. 1920. Digital image available
0142	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Maker Date:** early 20c **Materials:** Bamboo, bone ferrules, 24 wrappings of silk covered with black lacquer, lavender tassel. **Keys Holes System:** 0/6 holes plus membrane hole plus 2 tassel holes plus 2 vent holes. **Measurement:** 64.9 cm. **Provenance:** Chinatown, San Francisco, 16 Aug. 1920. Digital image available

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0143	**Instrument Type:** Xiao (Notched Flute) **Maker Name:** Anonymous, Chinese **Maker Date:** early 20c **Materials:** Bamboo, bone ferrule at lower end, blue tassel. **Keys Holes System:** 1/5 holes plus 2 tassel holes. **Measurement:** 54.9 cm. **Notes:** Top closed with natural septum. **Provenance:** Pierce's Old Book and Curio Shop, Berkeley, California, 17 Aug. 1920. Digital image available
0144	**Instrument Type:** Minteki or Seiteki (Transverse Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** early 20c **Materials:** Bamboo stained brown, lacquered inside with red, bone ferrules at bottom end and bone ferrule with screw top membrane compartment. **Keys Holes System:** 0/6 holes plus 2 tassel holes, membrane hole, plus 2 vent holes. **Measurement:** 53.1 cm. **Condition:** Cracked. **Provenance:** Aoki (Japanese store, sometimes recorded in DCM ledger as Aoki Taisei-Do), San Francisco, 14 Aug. 1920. Digital image available
0145	**Instrument Type:** Minteki or Seiteki (Transverse Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** early 20c **Materials:** Bamboo partially stained brown in mottled design, lacqured inside with red, bone and animal horn ferrules, purple tassel. **Keys Holes System:** 0/6 holes plus membrane hole plus 2 tassel holes. **Measurement:** 45.2 cm. **Notes:** Lower ferrule of bone and animal horn, upper ferrule of animal horn threaded to take bone spare membrane compartment cap. **Condition:** Upper ferrule male thread worn beyond usability. **Provenance:** Aoki (Japanese store, sometimes recorded in DCM ledger as Aoki Taisei-Do), San Francisco, 14 Aug. 1920. Digital image available

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0146	**Instrument Type:** Flute in C **Maker Name:** Griesling & Schlott **Maker Place:** Berlin **Maker Date:** 1801-1835 **Materials:** Boxwood, wood cap, ivory cork-setting mechanism, brass keys, ivory and brass ferrules. **Keys Holes System:** 8 keys, to low C, saltspoon, pin in block. **Physical Description:** 4 sections plus partially-lined head joint. **Measurement:** 66.4 cm. **Notes:** The low C#, C keys incorporate perpendicular motion between finger lever and pad cup lever. The head joint has ivory ferrules at both ends, but where the partial metal lining forms the tuning slide and barrel construction, both elements are faced with brass ferrules which each incorporate 3 brass pins. **Condition:** Head joint, both sections, cracked and showing old repairs. G# key block a replacement. Lower body joint cracked at socket. **Provenance:** Pawn shop, San Francisco, 16 Aug. 1920. Digital image available
0147	**Instrument Type:** Flute in C **Maker Name:** Boehm & Mendler **Maker Place:** Munich **Maker Date:** 1862-1888 **Materials:** Cocus, silver keys and ferrules, nickel silver ribs. **Keys Holes System:** Boehm system, closed G# (originally open G#), Schleif (octave) key, roller C#, C. **Measurement:** 66.4 cm. **Condition:** Crutch missing, G# touch piece missing. **Provenance:** Panama Loan Office, San Francisco, 20 Aug. 1920. Digital image available
0148	**Instrument Type:** Flute in C **Maker Name:** Cahusac **Maker Place:** London **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, square flat, slightly curved flap. **Physical Description:** 4 sections. **Measurement:** 61.15 cm. (without cap) **Condition:** Missing end cap. Upper body section wood chips missing near bottom tenon. **Provenance:** A. Masino, Oakland, California, 23 Aug. 1920 Digital image available

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0149	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** 1879 **Materials:** Cocus, nickel silver keys and ferrules, metal-lined head joint and sockets. **Keys Holes System:** Old system, cylindrical bore. All toneholes with key work, principal rank with offset touch pieces as on saxophone keys. A mixture of post and rod and pin in block key mounts. **Physical Description:** 3 sections. **Measurement:** 65.1 cm. **Condition:** Crutch missing. Head joint cracked full length; right hand first finger upper C key block (lower side) broken and missing; short F key block upper side broken and missing. **Provenance:** Lindberg Music Co., Los Angeles, 18 Sept. 1920. Digital image available
0150	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Cheyenne) **Maker Date:** 19c **Materials:** Wood, nickel silver ferrules, lead flue plate, leather thong, feathers. **Keys Holes System:** 0/6 holes. **Physical Description:** Tube and integral mouthpipe of light wood, possibly redwood, gouged out of 2 halves of a split branch, glued and lashed together in 9 places with leather thongs, the wood flue cover carved to resemble a tortoise. Stained clay red. See Notes. **Measurement:** 61.7 cm. **Notes:** DCM ledger: "Cheyenne." The flue cover is also glued into position and the lead flue plate is tied separately into position further down the tube to form the edge. Incised, carved designs include stag's head, bison(?) head, tortoise, bird, two centipedes, snake, sun and moon, leaf and branch. The lashings terminate in long decorative strands, those at the end incorporate feathers. Possibly original or not, the bottom end has a brazed-seam, wide nickel silver ferrule, and the mouthpipe has a brazed-seam narrow silver ferrule. **Provenance:** Harvey's Curio Store, Albuquerque, New Mexico, 16 Sept. 1920. Digital image available
0151	**Instrument Type:** Vivo (Nose Flute) **Maker Name:** Anonymous **Maker Place:** Tahiti **Maker Date:** 20c **Materials:** Bamboo. **Keys Holes System:** 0/2 holes. **Measurement:** 30.5 cm. **Notes:** Length of bamboo closed with natural septum at one end, perforated with 3 roughly rectangular lateral holes, the uppermost of which is directly beneath the septum. **Condition:** Cracked in 3 places. **Provenance:** Jean Mignolet, Denver, Colorado, 5 Nov. 1920. Digital image available

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0152	**Instrument Type:** Flute in C **Maker Name:** Proser **Maker Place:** London **Maker Date:** a1777-p1795 **Materials:** Boxwood, brass key, silver ferrules. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 60.45 cm. (without cap) **Notes:** According to DCM, this instrument was supposedly owned by Theobald Boehm (his first flute). DCM ledger also describes it as having no ferrules. This is confusing, and ought to mean that its original design included none. However, the lower body joint has a nickel silver ferrule around the socket and the head joint has similar ferrules at both ends. These would appear to be possibly from recent clarinets, if not made at a relatively recent date specifically for this flute. They appear to have been added to repair cracks present at those locations. **Condition:** Head joint, 2 cracks at upper end and 3 cracks at lower end. Crack at socket end of foot joint. **Provenance:** Franz Rath, San Diego, California, 20 Sept. 1920. Digital image available
0153	**Instrument Type:** Flute in D-flat **Maker Name:** Auguste Buffet, jeune **Maker Place:** Paris **Maker Date:** mid 19c **Materials:** Cocus, with finish, nickel silver keys, finger rings. **Keys Holes System:** Cylindrical, old system, modified. 6 keys for E-flat, D#, G#, B-flat for alternate left thumb or right first finger, B-natural for left thumb, right first finger trill. Foot to D. F# and 3 finger rings for right hand producing F# - F with Boehm fingering. **Physical Description:** 2 sections. **Measurement:** 58.8 cm. **Condition:** Head cracked, filled. **Provenance:** John Finn, Essex, England, 24 Nov. 1920. Digital image available
0154	**Instrument Type:** Xiao (Notched Flute) **Maker Name:** Anonymous, Chinese **Maker Date:** 20c **Materials:** Bamboo, lacquered black, bone ferrule, tassel. **Keys Holes System:** 1/5 holes. **Measurement:** 54.6 cm. **Condition:** Crack at upper end. Natural septum closure naturally perforated. **Provenance:** John B. Taylor, Schenectady, New York, 4 Dec. 1920. Digital image available

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0155	**Instrument Type:** Flute Foot Joint **Maker Name:** [Boehm & Mendler] **Maker Place:** [Munich] **Maker Date:** [1862-1888] **Materials:** Grenadilla, silver ferrules. **Keys Holes System:** Foot to B, rollers for C, B. **Measurement:** 16.9 cm. **Provenance:** George W. Haynes, New York, 3 Dec. 1920. Formerly owned by William Schade. Digital image available
0156	**Instrument Type:** Flute Foot Joint **Maker Name:** [Boehm & Mendler] **Maker Place:** [Munich] **Maker Date:** [1862-1888] **Materials:** Cocus(?), silver ferrules. **Keys Holes System:** 4 keys, cylindrical, foot to B, rollers for C, B. **Measurement:** 16.6 cm. **Condition:** Crack at E-flat hole. **Provenance:** Anthony Wehner, Reading, Pennsylvania, 18 Dec. 1920. Formerly owned by Carl Wehner. Digital image available
0157	**Instrument Type:** Flute in C **Maker Name:** Boehm & Mendler **Maker Place:** Munich **Maker Date:** 1862-1888 **Materials:** Cocus, silver keys with nickel silver ribs. **Keys Holes System:** Boehm system, cylindrical, open G#, rollers for C#, C. **Physical Description:** 3 sections. **Measurement:** 66.4 cm. **Condition:** Crutch not with flute. Crack at head joint socket. Head joint crack formerly pinned. Head joint socket lining tube loose and detached. **Provenance:** Anthony Wehner, Reading, Pennsylvania, 18 Dec. 1920. Formerly owned by Carl Wehner, pupil of Boehm, who used this flute in the Metropolitan Opera. Digital image available

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0158	**Instrument Type:** Oboe in C **Maker Name:** Hendrik Richters **Maker Place:** Amsterdam **Maker Date:** a1716-1727 **Materials:** Ebony, silver keys, carved ivory ferrules. **Keys Holes System:** 3 keys (one with double touch), round (C key) and square (E-flat) flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 57.1 cm. **Notes:** Ferrules decorated by means of an ornamental turning lathe. Engraved silver keys, the touch of the great key is engraved with the rebus of his motto, with an hourglass beneath a bird on the right side, and script "Van den Men" on the left. The C-key pad is engraved with an old man whose visage inverts to that of a youth. The E-flat key is engraved with violinist, with his back to the viewer, and his eye on the dancing girl at the top of the key. **Condition:** Small crack at right E-flat key mount. **Provenance:** Friedrich's Music Haus, Grand Rapids, Michigan, 26 Jan. 1921. Digital image available
0159	**Instrument Type:** Flute in C **Maker Name:** William Sherman Haynes **Maker Place:** Boston **Maker Date:** 1921 **Materials:** Silver. **Keys Holes System:** Boehm system, open G#, drawn toneholes, foot to C, rollers for C#, C. **Physical Description:** 3 sections. **Measurement:** 67.4 cm. **Notes:** Made for the DCM flute collection, upon request for a flute representative of the "Haynes Quality." **Provenance:** William S. Haynes, Boston, 18 Feb. 1921. Digital image available
0160	**Instrument Type:** Notched Flute **Maker Name:** Anonymous **Maker Place:** Sudan **Maker Date:** early 20c **Materials:** Bamboo. **Keys Holes System:** 0/5 holes plus 2 vent holes. **Measurement:** 57.15 cm. **Condition:** 2 cracks at upper end. **Provenance:** Capt. H. Macaulay FitzGibbon, The Bungalow, Greystones, Co. Wicklow, Ireland, Mar. 1921. Digital image available

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0161	**Instrument Type:** Flute in C **Maker Name:** Boehm & Mendler **Maker Place:** Munich **Maker Date:** 1877 **Materials:** Silver, gold embouchure plate, ferrules, and finger plates on all keys. **Keys Holes System:** Boehm system, foot to B, Schleif key, rollers for C, B. Flute with interchangeable keys for closed (Dorus) or open G#. **Measurement:** 67.4 cm. **Notes:** With ivory crutch. **Condition:** New G# key made by DCM. **Provenance:** A. Gastman, Chicago, 5 Mar. 1921. Made for General Daniel Macauley, former mayor of Indianapolis. Digital image available
0162	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian **Maker Date:** 19c **Materials:** Redwood, leather thong and flue plate, brass shell casing(?) mouthpipe. **Keys Holes System:** 0/6 holes. **Physical Description:** Tube of redwood gouged out of 2 split halves glued together and also supported by a leather thong which attaches the simply carved redwood flue cover. **Measurement:** 61.75 cm. **Notes:** The flue plate is leather, glued into position, and, according to DCM, varnished black. **Condition:** Bound with cotton string at lower end, probably not original. **Provenance:** C. H. Schroeder, Pasadena, California, 21 Mar. 1921. Digital image available
0163	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian **Maker Date:** 19c **Materials:** Wood, rawhide thong, lead flue plate. **Keys Holes System:** 0/6 holes. **Physical Description:** Tube made of unidentified wood from 2 halves of a split branch, glued together and lashed with rawhide thongs in 15 places, one of which also secures the wooden saddle type flue cover. **Measurement:** 48.5 cm. **Notes:** The flue plate is lead and of a wrap-around design, secured with 2 of the thongs, and indented into the flue to form the edge. **Condition:** Seam is very open due to shrinkage. Wood loss. "Plug" repair by DCM. **Provenance:** Dr. Eckstein Case, from Whalen Coin & Stamp Co., Whalen's Curio Store, Los Angeles, 21 Mar. 1921. Digital image available

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0164	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous, likely South American or North American Indian **Maker Date:** 20c **Materials:** Clay, decorated with plum-colored paint or stain. **Keys Holes System:** 0/6 holes. **Physical Description:** Slight exterior bell profile. **Measurement:** 19.09 cm. **Provenance:** Dr. Eckstein Case, from "Mission Inn," Riverside, California, Apr. 1921. Digital image available
0165	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** 1872-1878 **Materials:** Silver. Silver embouchure barrel, with floral engraving. **Keys Holes System:** Boehm system, cylindrical, Rockstro Model, open G#, foot to C with roller. Right hand first finger B-flat. **Physical Description:** 3 sections. **Measurement:** 64.1 cm. **Provenance:** Baxter-Northup Co., Los Angeles, 22 Apr. 1921. Digital image available
0166a	**Instrument Type:** Whistle **Maker Name:** Anonymous, Mexican Indian(?) **Materials:** Pottery bird painted red, green, and blue. **Measurement:** 5.8 cm. **Provenance:** C. H. Schroeder, Pasadena, California, 21 March 1921. Digital image available
0166b	**Instrument Type:** Whistle **Maker Name:** Anonymous, Mexican Indian(?) **Materials:** Pottery bird painted red. **Measurement:** 5.8 cm. **Provenance:** C. H. Schroeder, Pasadena, California, 21 March 1921. Digital image available
0166c	**Instrument Type:** Whistle **Maker Name:** Anonymous, Mexican Indian(?) **Materials:** Pottery bird with red, pink, black, and gold markings. **Measurement:** 8.3 cm. **Condition:** Broken in several pieces, portions have been glued back together. **Provenance:** Curio store, San Diego, California, Sept. 1923. Digital image available

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0166d	**Instrument Type:** Whistle **Maker Name:** Anonymous, Mexican Indian(?) **Materials:** Black pottery in the shape or a jug or a bag. **Measurement:** 3.6 cm. **Provenance:** Whalen's Curio Store, Los Angeles, 21 Mar. 1921. Digital image available
0167	**Instrument Type:** Shakuhachi (Notched Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo, lacquered red inside, black horn uta-guchi, bound with black lacquered string. **Keys Holes System:** 1/4 holes. Kinko style. **Physical Description:** 2 sections. **Measurement:** 54.5 cm.; Hassun 1.8 **Notes:** Bound with black lacquered string between front holes 1 and 2. **Condition:** Crack at upper end. **Provenance:** Hakabun-Do (Japanese book store), Los Angeles, 17 Mar. 1921. Digital image available
0168	**Instrument Type:** Minteki or Seiteki (Transverse Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo, wood-grained stained medium brown, lacquered red inside, bone tips, blue tassel. **Keys Holes System:** 0/6 holes plus 1 membrane hole plus 2 vent holes. **Measurement:** 71.8 cm. **Condition:** Crack between fingerholes 1 and 2. **Provenance:** Hakabun-Do (Japanese book store), Los Angeles, 17 Mar. 1921. Digital image available
0169	**Instrument Type:** Shinobue (Transverse Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo, lacquered red inside, decorated with 12 rattan windings. **Keys Holes System:** 0/7 holes. **Measurement:** 42.35 cm. **Condition:** Several cracks. **Provenance:** [Store], Oakland, California, Apr. 1921. Digital image available

Unit Id	*Contents*
0170	**Instrument Type:** Shinobue (Transverse Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo, lacquered red inside. Decorated at ends and between fingerholes with 12 natural rattan windings over black painted ferrules. **Keys Holes System:** 0/7 holes. **Measurement:** 46.7 cm. **Condition:** Cracked full length. **Provenance:** [Store], Oakland, California, Apr. 1921. Digital image available
0171	**Instrument Type:** Shinobue (Transverse Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo, lacquered red inside, decorated with 12 rattan windings. **Keys Holes System:** 0/7 holes. **Measurement:** 48.95 cm. **Condition:** Cracked full length at embouchure and fingerhole line. **Provenance:** [Store], Oakland, California, Apr. 1921. Digital image available
0172	**Instrument Type:** Shinobue (Transverse Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo, stained brown, red lacquer interior, decorated at ends with natural color rattan. **Keys Holes System:** 0/7 holes. **Measurement:** 41 cm. **Condition:** Cracked full length. Portions of wrapping missing. **Provenance:** Hakabun-Do (Japanese book store), Los Angeles, Apr. 1921. Digital image available
0173	**Instrument Type:** Shinobue (Transverse Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo, lacquered red inside, wrapped at ends with 3 rattan windings. **Keys Holes System:** 0/7 holes. **Measurement:** 43.6 cm. **Provenance:** Hakabun-Do (Japanese book store), Los Angeles, Apr. 1921. Digital image available

Unit Id	*Contents*
0174	**Instrument Type:** Shinobue (Transverse Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo, lacquered red inside, 3 rattan windings painted black. **Keys Holes System:** 0/7 holes. **Measurement:** 45.3 cm. **Provenance:** Hakabun-Do (Japanese book store), Los Angeles, Apr. 1921. Digital image available
0175	**Instrument Type:** Fife in C or D-flat **Maker Name:** Anonymous, possibly French **Maker Date:** 20c **Materials:** Wood, with dark stain and dark varnish, nickel silver key and end ferrules. **Keys Holes System:** 1/6 holes plus 1 key (D#) plus 2 vent holes. Modern post and rod. **Measurement:** 35.55 cm. **Notes:** Although this instrument has a key which would imply its being a flute, so-called, it is probably best to term it a fife based on the catalog information cited above. See "Fife vs. Band Flute." An 1890 catalog from Martin Thibouville aîné pictures what is essentially the same instrument as a "Fifre (…pour bataillon scolaire)." **Provenance:** Pawn shop, Chicago, 9 May 1921. Digital image available
0176	**Instrument Type:** Flute in C **Maker Name:** Jean Mignolet **Maker Place:** Denver **Maker Date:** ca. 1900 **Materials:** Cocus, nickel silver keys, ferrules. **Keys Holes System:** Cylindrical, Old System Improved, Mignolet Model. 12 keys, (6 keys plus the 6 principal rank toneholes covered with key plates similar to Siccama model), foot to D. Large toneholes, Boehm principles. **Physical Description:** 2 sections. **Measurement:** 61.8 cm. **Condition:** Crack in head joint socket. **Provenance:** Jean Mignolet, Denver, Colorado, 11 May 1921. Digital image available
0177	**Instrument Type:** Flute in C **Maker Name:** Theobald Boehm **Maker Place:** Munich **Maker Date:** ca. 1854-1861 **Materials:** Grenadilla, silver keys and ferrules. **Keys Holes System:** Boehm system, open G#. **Measurement:** 65.4 cm. **Notes:** See DCM 771 and 875 regarding adjusting screws. **Condition:** Upper socket cracked, filled, repaired with one nickel silver cross pin. Lower socket cracked to D# hole, repaired with cross-pin (invisible?) and with stick shellac filler. **Provenance:** H. H. Honeyman, Detroit, Michigan, 12 May 1921. Digital image available

Unit Id	*Contents*
0178	**Instrument Type:** Flute in C **Maker Name:** Emilio Piana **Maker Place:** Florence **Maker Date:** 2nd half 19c **Materials:** Silver. **Keys Holes System:** Cylindrical bore, old system, with Boehm full vented principles, modified 8-keyed instrument with 6 keys covering the principal rank toneholes including double hole with half-hole/ring mechanism for left hand 1st finger. Left hand principal rank keys include the Siccama finger 3 principle, although operating 2 keys at once, as open G# until closed. The right hand also has a Siccama extended key principle, but moved to the 4th (1st finger right hand) instead of finger 6 to close the G hole. Compare with DCM 778. F-natural can be fingered old system right hand 1, 2, and F key, or forked F fingering. **Physical Description:** 2 sections, body and foot are one piece. **Measurement:** 64.8 cm. **Provenance:** Louis Rossi, New York, 15 May 1921. Digital image available
0179	**Instrument Type:** Flute in C **Maker Name:** Maino & Orsi **Maker Place:** Milan **Maker Date:** 1880-p1926 **Materials:** Ebonite, nickel silver ferrules. **Keys Holes System:** Giorgi system, to low D. See DCM 112. **Physical Description:** 2 sections. **Measurement:** 53cm. **Provenance:** Louis Rossi, New York, 25 May 1921. Digital image available
0180	**Instrument Type:** Flute in C **Maker Name:** Alfred G. Badger **Maker Place:** New York **Maker Date:** ca 1868-1875; ebonite head joint, 1881 **Materials:** Silver, with ebonite (with silver tenon) and silver head joints. **Keys Holes System:** Boehm system, cylindrical, closed G#, foot to B-flat, post and rod. G# key with duplicate right first finger touch piece, low B-flat lever for left little finger, rollers for C#, C. **Measurement:** 73.9 cm. (ebonite), 76.5 cm. (silver) **Notes:** DCM ledger: "Tube engraved where fingers touch, and around bottom ends. This flute was [originally] bought in 1875, second-hand…. Badger made the extra joint about 1881." Ebonite head extra thinned. Elaborate engraving at head joint surrounding oval gold plaque, lower ferrule, and on the body where the right thumb and left hand first finger upper phalynx make contact with tube. **Provenance:** Oliver Wheaton, Manchester, New Hampshire, 25 May 1921. Digital image available

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0181	**Instrument Type:** Piccolo in C **Maker Name:** Anonymous **Maker Date:** late 19c **Materials:** Grenadilla, nickel silver ferrules and end cap, metal-lined head joint with tuning slide. Nickel silver sleeve over wood. **Keys Holes System:** 8 keys, to low C, modern style key cups, post and rod. **Physical Description:** 2 sections. **Measurement:** 35 cm. **Notes:** The amount of tubing beneath the C# tonehole is curiously short and would appear insufficient to produce a low C. **Condition:** Barrel cracked and filled; instrument slightly warped. **Provenance:** Pawn shop, Philadelphia, 4 June 1921. Digital image available
0182	**Instrument Type:** Piccolo in C **Maker Name:** John C. Haynes **Maker Place:** Boston **Maker Date:** 1897 **Materials:** Grenadilla, silver keys on ribs. **Keys Holes System:** Boehm system, foot to C, open G#, post and rod. Roller for C. **Physical Description:** 2 sections. **Measurement:** 35.5 cm. **Notes:** DCM ledger: "...originally made for Frank Wadsworth of Sousa's Band...in 1897, for solo work.… Made by Wm. S. Haynes." **Provenance:** C. C. Masterson, Cleveland, Ohio, 6 June 1921. Digital image available
0183	**Instrument Type:** Flute in C **Maker Name:** V. Kohlert's Soehne **Maker Place:** Graslitz **Maker Date:** late 19c **Materials:** Grenadilla(?), nickel silver keys and ferrules. **Keys Holes System:** 6 keys, modern style key cups, post and rod. **Physical Description:** 4 sections. **Measurement:** 58.6 cm. **Provenance:** Pawn shop, Cleveland, Ohio, 20 June 1921. Digital image available

Unit Id	*Contents*
0184	**Instrument Type:** English Flageolet **Maker Name:** William Bainbridge **Maker Place:** London **Maker Date:** 1821-1831 **Materials:** Boxwood, ivory mouthpiece and ferrules, silver keys. **Keys Holes System:** 1/7 holes with half-vent hole, plus 3 keys for E-flat/D#, F, and a C3 key on fipple joint. Square flat flap. **Physical Description:** 2 sections, upper section with fipple, 2-piece sponge chamber, and mouthpiece. **Measurement:** 46.4 cm. **Notes:** Mark at mouthpiece wood section: 2. The two-piece sponge chamber is interesting in that it apparently permits the insertion of the sponge in either or both the upper and lower sections. The upper contains a centrally-bored windway to the lower plus (4) angularly bored holes directing moist air only to the (upper) sponge. The lower section then can also take a sponge in that its windway tube extends 15.5 mm. into the socket and aligns next to the remains of the block and tenon of the fipple joint which has been more than half removed to provide a cavity. **Condition:** Lowest ivory ferrule cracked. **Provenance:** John Finn Essex, England, 5 July 1921. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available
0185	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** turn of 20c **Materials:** Grenadilla, nickel silver cap, keys, ferrules, and lip plate ferrule. **Keys Holes System:** 8 keys, modern style key cups, post and rod. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.05 cm. **Notes:** DCM ledger: "No name…. No value." **Condition:** Head joint, both sections, cracked. Missing lower ferrule from head. Small crack in lower joint socket, C#, C keys missing. **Provenance:** S. G. McMeen, Columbus, Ohio, July 1920. Digital image available
0186	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** late 19c **Materials:** Cocus, nickel silver keys, ferrules, and wide lip plate ferrule (5.65 cm.). **Keys Holes System:** 13 keys, modern style key cups, foot to B, post and rod. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 71.3 cm. **Condition:** Prior repairs including cross-pinning low C, C#, alternate G# and high D trill keys and finger spatula for long F key. Wide sheet metal ferrules at socket end foot and lower joints, possibly original. **Provenance:** Pierce's Old Book and Curio Shop, Berkeley, California, Aug. 1920. Digital image available

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0187	**Instrument Type:** Flute in C (Parts only) **Maker Name:** William Hall & Son **Maker Place:** New York **Maker Date:** 1847-1874 **Materials:** Cocus, stained dark, nickel silver keys and ferrules. **Keys Holes System:** 8 keys, modern style key cups, pin in block. **Physical Description:** Body and foot joints only. **Measurement:** 65.2 cm. (as is) **Notes:** According to DCM ledger, some of these parts may be on other DCM instruments or discarded. **Condition:** The low C#, C keys are replacements. Missing the head joint, B-flat key, short F key, and lower body joint ferrule, also missing original low C#, C keys. **Provenance:** A. P. Miller, Oakland, California, July 1921.
0188	**Instrument Type:** Flute in C **Maker Name:** Jean-Louis Tulou **Maker Place:** Paris **Maker Date:** ca. 1851 **Materials:** Grenadilla, with finish, silver keys and ferrules, metal-lined sockets and metal upper tenon on center joint. **Keys Holes System:** Old system, Tulou model. 12 keys, modern style key cups, post and rod. **Physical Description:** 3 sections. **Measurement:** 68.3 cm. **Condition:** Small crack at head joint socket. **Provenance:** Harry V. Baxter (of Baxter-Northup Co., Los Angeles), sent from Geneva, Switzerland, 2 Aug. 1921. Digital image available
0189	**Instrument Type:** Flute in E-flat **Maker Name:** Johann Andreas Mollenhauer **Maker Place:** Fulda **Maker Date:** 1822-1870 **Materials:** Boxwood, ivory cap (see Notes) and ferrules, nickel silver keys. **Keys Holes System:** 6 keys, round flat flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 51 cm. **Notes:** Original cap was likely ivory. It has been replaced with another, possibly made of unidentified synthetic material. **Condition:** Portion of upper C key block missing at pin line. **Provenance:** Harry V. Baxter (of Baxter-Northup Co., Los Angeles), sent from Geneva, Switzerland, 2 Aug. 1921. Digital image available

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0190	**Instrument Type:** Flute in C **Maker Name:** Franz Carl **Maker Place:** Nürnberg **Maker Date:** 1825-1846 **Materials:** Boxwood, ivory cap and ferrules, brass keys. **Keys Holes System:** 9 keys, saltspoon, to low C, pin in brass-lined blocks. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.85 cm. **Condition:** Replacement ferrule at head joint barrel socket. Crack in head joint barrel including bottom ivory ferrule which has been shortened 2.5 mm. to receive a brass ferrule of that size in a repair attempt. **Provenance:** Harry V. Baxter (of Baxter-Northup Co., Los Angeles), sent from Nuremberg, 17 Aug. 1921. Digital image available
0191	**Instrument Type:** Piccolo in C **Maker Name:** Anonymous **Maker Date:** mid 19c **Materials:** Unidentified wood, stained black, brass key, bone ferrules. **Keys Holes System:** 1 key, round flat flap, pin in block. **Physical Description:** 2 sections. **Measurement:** 31.2 cm. **Notes:** Inexpensively made instrument, likely American-made. Although likely made of a hard wood, technically speaking, the material is in fact quite soft. The key shows traces of plating, possibly tinned. **Condition:** Slightly warped. **Provenance:** McMillin Music Co., Cleveland, Ohio, 21 Aug. 1921. Digital image available
0192	**Instrument Type:** Flute in C **Maker Name:** Johann Stowasser; Rampone **Maker Place:** Ofen; Milan **Maker Date:** 1770-1944; late 19c **Materials:** Nickel silver. **Keys Holes System:** Boehm system, Rampone model, including 3 extra automatic vent holes on underside of tube. Open hole, foot to B, closed G#, rollers for C, B. **Physical Description:** 3 sections. **Measurement:** 70.8 cm. **Notes:** With elliptical plate which covered mark on body. Two covers for joints. Body joint lower tenon is elongated (3.4 cm.) and perforated to accomodate D# key tonehole. **Provenance:** McMillin Music Co., Cleveland, Ohio, 24 Aug. 1921. Digital image available

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0193	**Instrument Type:** Flute in C **Maker Name:** Djalma Julliot **Maker Place:** La Couture **Maker Date:** 1900 **Materials:** Silver plated. **Keys Holes System:** Early version of the Borne-Julliot System, cylindrical Boehm system, modified with open holes, split E, left-hand F# keys, C# trill key. Upper side key, alternate G#, lower side key, B-natural. Extra side levers near trill levers for alternate B-flat (upper), lower closes G# hole for E3. See DCM 138, 308. **Physical Description:** 3 sections. **Measurement:** 68.5 cm. **Notes:** Long foot tenon for higher position of D# hole. Left hand first finger 3rd phalynx crutch soldered to body (likely added in preference to the original crutch in its normal location). **Case:** Case, of mahogony, with silver name plate, engraved with name of previous owner, A. T. Waight. **Condition:** Crutch missing. **Provenance:** James S. Gibson, Denver, Colorado, 26 Aug. 1921. Digital image available
0194	**Instrument Type:** Flute in C **Maker Name:** A. Collard & Co. **Maker Place:** London **Maker Date:** 1882-1891 **Materials:** Ebonite, silver keys and ferrules. **Keys Holes System:** Carte's 1867 patent (see DCM 14) with Collard's modifications, British patent no. 4661, 1885. Cylindrical. This modification essentially just shifts to the front of the tube the mechanism whereby depressing the 3rd finger right hand key closes the G-natural tonehole thus offering an alternate F# fingering (Boehm system). Post and rod, open G#, roller for low C. **Physical Description:** 2 sections, body and foot are one joint. **Measurement:** 66.3 cm. **Provenance:** F. A. Halls, New York, 7 Sept. 1921. Digital image available
0195	**Instrument Type:** Flute in C **Maker Name:** Franzeri **Maker Date:** early 19c **Materials:** Boxwood, brass keys with pewter plugs, ivory ferrules. **Keys Holes System:** 6 keys, pewter plug, to low D, pin in brass-lined blocks. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 60.2 cm **Provenance:** G. Meriggioli, Milan, 14 Oct. 1921. Digital image available

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0196	**Instrument Type:** Flute in C **Maker Name:** Johann Friedrich Engelhard **Maker Place:** Nürnberg **Maker Date:** 1758-1801 **Materials:** Boxwood, ivory cap and ferrules, silver key. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 62.45 cm. **Provenance:** G. Meriggioli, Milan, 14 Oct. 1921. Digital image available
0197	**Instrument Type:** Flute in C **Maker Name:** Ubaldo Luvoni **Maker Place:** Milan **Maker Date:** a1826-1847 **Materials:** Ebony, ivory cork-setting mechanism and ferrules, silver keys, metal-lined head. **Keys Holes System:** 13 keys, pewter plug over metal-lined holes, pin in metal-lined blocks. To low A, rollers for low C#, C, B. **Physical Description:** 3 sections, tuning slide in head, no separate foot joint. **Measurement:** 80.05 cm. **Condition:** Head joint, both sections, cracked and filled. A portion of the upper C/alternate B-flat key block missing. **Provenance:** G. Meriggioli, Milan, 14 Oct. 1921. Digital image available
0198	**Instrument Type:** Flute d'amore in A **Maker Name:** Anonymous **Maker Date:** ca. 1871 **Materials:** Boxwood stained black and varnished, bone cap and ferrules, brass silver-plated keys, metal-lined head. **Keys Holes System:** 8 keys, square flat flaps, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 82 cm. **Notes:** From his source, Meriggioli, DCM understood this to be one of 3 flutes d'amore in G, built for the first performance of Aida, but found less satisfactory than "ordinary" flutes [in C?]. However, this flute d'amore is in A and is of curiously archaic construction for a special order instrument of the early 1870s. **Condition:** Head joint, both sections, cracked, while in possession of DCM. The lower ferrule has been partially cut back to receive a narrow nickel silver ferrule, possibly added by DCM. Foot joint low C key flap portion has in place of the possibly original wood block mount, a modern post and rod assembly. **Provenance:** G. Meriggioli, Milan, 14 Oct. 1921. Digital image available

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0199	**Instrument Type:** Flute in C, Left-Handed **Maker Name:** Ubaldo Luvoni **Maker Place:** Milan **Maker Date:** a1826-1847 **Materials:** Ligdon-vitae, wood cap, silver keys and ferrules, metal-lined head. **Keys Holes System:** 10 keys, pewter plug with metal-lined holes, pin in block with metal-lined blocks. Foot to B. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 70.8 cm. **Notes:** Left-handed flute. **Condition:** Head joint, both sections, severely cracked, formerly cross-pinned. Cracks in lower joint. Barrel joint had inlaid plate, now missing. Pewter plugs missing for low C, B. Part of short F key mount missing. **Provenance:** G. Meriggioli, Milan, 14 Oct. 1921.
0200	**Instrument Type:** Flute in C **Maker Name:** Rampone **Maker Place:** Milan **Maker Date:** c1850-1912 **Materials:** Ivory, enamelled head joint cap and bottom ferrule in turquoise and white, silver keys and ferrules, silver fingerhole bushings for fingerholes 3-6. **Keys Holes System:** 17 keys, modern style key cups with metal pad seats, 2 ring keys for C# vent. Post and rod on metal oval plates. Foot to A, with rollers for low C#, C, A (right little finger) and B, B-flat. Left thumb alternate D# touch. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 77.75 cm. **Notes:** On barrel, small eliptical gold plaque inlaid with initial: F.S. **Condition:** Head joint, both sections, cracked. **Provenance:** G. Meriggioli, Milan, 14 Oct. 1921. Digital image available
0201	**Instrument Type:** Alto Flute in G **Maker Name:** [Attributed to Boehm & Mendler] **Maker Place:** [Munich] **Maker Date:** [1862-1888] **Materials:** Silver, ebony embouchure plate and cap, wood crutch. **Keys Holes System:** Boehm system, open G#, Schleif key. **Physical Description:** 3 sections. **Measurement:** 83.1 cm. **Notes:** See "Flute Misnomers" regarding Bass vs. Alto. **Provenance:** William Keinath, Bayonne, New Jersey, 29 Oct. 1921. Digital image available

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0202	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Haida) **Maker Date:** 19c **Materials:** Wood, possibly cedar. **Physical Description:** Gouged of two halves, glued together, and cemented on outside with resin, elliptical in cross-section and tapered somewhat resembling a bassoon butt-joint. One half has a fipple edge for the whistle. **Measurement:** 31.9 cm. **Notes:** DCM ledger: "Haida Indian." **Condition:** Seam open full length. The instrument has 3 areas of cleaner (lighter) wood, implying that it was bound with some material, likely animal skin. **Provenance:** Harvey's Indian Curio Store, Albuquerque, New Mexico, 12 Nov. 1921. Digital image available
0203	**Instrument Type:** Double Whistle **Maker Name:** Anonymous, North American Indian (Haida) **Maker Date:** 19c **Materials:** Wood. **Physical Description:** 3 pieces of wood cemented together. **Measurement:** 32.3 cm. **Notes:** DCM ledger: "Haida Indian." **Provenance:** Harvey's Indian Curio Store, Albuquerque, New Mexico, 12 Nov. 1921. Digital image available
0204	**Instrument Type:** Flute in E-flat **Maker Name:** Beltrami **Maker Place:** Milan **Maker Date:** turn of 19c **Materials:** Boxwood, stained, brass keys, animal horn cap and ferrules. **Keys Holes System:** 6 keys, round flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 51.2 cm. **Condition:** Cap chipped. Upper body joint cracked at lower tenon. Short F key may not be original. F key block cracked through pin line. **Provenance:** Baxter-Northup Co., Los Angeles, 26 Nov. 1921. Digital image available

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0205	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Henry Johnson, North American Indian (Ute) **Maker Date:** 1921 **Materials:** Light wood, rawhide thongs, tinned steel flue plate. **Keys Holes System:** 0/6 holes. **Physical Description:** Tube made of light wood gouged out of 2 halves from a split branch, glued together and lashed in 7 places with rawhide thongs still containing fur. See Notes. **Measurement:** 46.7 cm. **Notes:** The next-to-top lashing also secures the carved wood flue cover, which is also glued into position. The flue plate is tinned steel, glued and lashed into position just beneath the flue cover and indented into the flue to form the edge. Decorated with simple lines burned into both the tube and the flue cover. DCM ledger: "Ute Tribe." **Condition:** Apparently no mouthpipe. **Provenance:** Frances Densmore, Red Wing, Minnesota, Dec. 1921 Digital image available
0206	**Instrument Type:** Flute in C **Maker Name:** Walter Crosby **Maker Place:** Boston **Maker Date:** 1830-1872 **Materials:** Cocus, silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, pewter plugs over rectangular metal plates for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67 cm. **Condition:** Head joint, both sections, cracked and filled. B-flat key block wood chip missing. **Provenance:** Pierce's Old Book and Curio Shop, Berkeley, California, 15 Dec. 1921. Digital image available
0207	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Materials:** Bamboo, leather. **Physical Description:** 12 pipes. **Measurement:** 37.1 cm (longest frame member), 29.8 cm. (longest pipe), 11.1 cm. (shortest pipe) **Condition:** Several pipes are split. **Provenance:** Pierce's Old Book and Curio Shop, Berkeley, California, 15 Dec. 1921. Digital image available

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0208	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Wood. **Keys Holes System:** 0/6 holes. Six evenly spaced, unusually small fingerholes relative to most courting flutes. **Physical Description:** Wooden dowel, possibly tool handle, crudely bored full length with a whistle design like that of the Native American Courting Flute requiring a flue plate cover, now missing. **Measurement:** 66.1 cm. **Condition:** Flue cover missing. **Provenance:** E. Bloch Mercantile, San Francisco, 14 Dec. 1921. Digital image available
0209	**Instrument Type:** Whistle **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Bone, leather, feather. **Physical Description:** Bone with fipple near top wrapped with decorative leather strap and feather elements attached with leather thong. **Measurement:** 22.85 cm. **Provenance:** E. Bloch Mercantile, San Francisco, 14 Dec. 1921. Digital image available
0210	**Instrument Type:** Minteki or Seiteki (Transverse Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo, lacquered red inside, red tassel, bone and animal horn ferrules, black bands between bone and bamboo at both ends. **Keys Holes System:** 0/6 holes plus membrane hole plus 2 tassel holes plus 2 vent holes. **Physical Description:** Animal horn and bone ferrules at each end with incised decorations including ship, flora, birds, house, sun, seascape, plus white metal inlaid house, sun, sail. **Measurement:** 76.35 cm. **Notes:** Upper bone ferrule applied with machine threads and natural bone cavity has been retained to store extra membrane for merliton hole. **Condition:** Red tassel missing. Several cracks in lower end. **Provenance:** Aoki (Japanese store, sometimes recorded in DCM ledger as Aoki Taisei-Do), San Francisco, 14 Dec. 1921. Digital image available

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0211	**Instrument Type:** Minteki or Seiteki (Transverse Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo, lacquered red inside, blue tassel with silver beads, bone ferrules, black bands between bone and bamboo at both ends. **Keys Holes System:** 0/6 holes plus membrane hole plus 2 tassel holes. **Physical Description:** For decoration, see DCM 210. **Measurement:** 74.8 cm. **Condition:** Black band at foot cracked. **Provenance:** Aoki (Japanese store, sometimes recorded in DCM ledger as Aoki Taisei-Do), San Francisco, 14 Dec. 1921. Digital image available
0212	**Instrument Type:** Xiao (Notched Flute) **Maker Name:** Anonymous, Chinese **Maker Date:** 20c **Materials:** Bamboo, lacquered brown, bone tip, orange tassel. **Keys Holes System:** 1/5 plus 2 tassel holes. **Physical Description:** Top stopped with natural septum. **Measurement:** 54.2 cm. **Provenance:** Chew, Chong, Tai & Co., San Francisco, 14 Dec. 1921. Digital image available
0213a	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Maker Date:** 20c **Materials:** Bamboo, stained black, bone tips, aqua tassel. **Keys Holes System:** 0/6 holes plus membrane hole plus 2 tassel holes plus 2 vent holes. **Physical Description:** With pink, white, and green design. **Measurement:** 59.55 cm. **Provenance:** Chew, Chong, Tai & Co., San Francisco, 14 Dec. 1921. Digital image available
0213b	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Maker Date:** 20c **Materials:** Bamboo, stained black, bone tips, green tassle with silver beads. **Keys Holes System:** 0/6 holes plus membrane hole plus 2 tassel holes plus 2 vent holes. **Measurement:** 59.8 cm. **Condition:** Cracked from 4th fingerhole through upper vent hole. **Provenance:** Chew, Chong, Tai & Co., San Francisco, 14 Dec, 1921. Digital image available

Unit Id	*Contents*
0214	**Instrument Type:** T'ai P'ing Xiao (Vertical Whistle Flute) **Maker Name:** Anonymous, Chinese **Maker Date:** 20c **Materials:** Bamboo, stained and lacquered brown, white Chinese characters, bone ferrules at each end. **Keys Holes System:** 0/6 holes plus membrane hole plus 2 tassel holes plus 2 vent holes. **Measurement:** 43.2 cm. **Condition:** Small crack at upper vent hole. Missing tassel. **Provenance:** Chew, Chong, Tai & Co., San Francisco, 14 Dec. 1921. Digital image available
0215	**Instrument Type:** Flute in C **Maker Name:** William Henry Potter **Maker Place:** London **Maker Date:** ca. 1808 **Materials:** Boxwood, ivory ferrules, [cap and cork-setting mechanism] silver keys, brass-lined head. **Keys Holes System:** 7 keys, to low C, pewter plug pads, pin in block. All but low C#, C, keys have been replaced with nickel silver keys with square flat flaps. Although from the Potter workshop, this instrument appears to be a composite of 2 or possibly 3 different instruments. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.05 cm. (without cap) **Notes:** Most 19th century flute head joints equipped with a metal lining and tuning slide have crack problems due to the outer material attempting to shrink around the metal tubing. That is true of this instrument although it once may have had the opposite problem of its metal tubing being too loose within its boxwood cylinders. This head joint has 4 brass nails or tacks driven into the wood, 2 in the barrel and 2 in the upper section about 3.5 cm. above the embouchure. Both pair of tacks are situated one on each side, about 180 degrees apart, and none of the 4 pierces the metal tube, although the upper tube has one corresponding hole (now out of alignment in circumference) where the tack may have been forced through or, more likely, a pilot hole drilled through by mistake. See "Preface" regarding pins in head joint. The exterior of such a metal head joint lining is usually roughened by deep scratches or by pulling up little points with a tool such as a scriber or graver. It appears that the pins were to be driven in far enough to make contact with such roughened or scribed areas of the metal tube(s) to prevent one or both from shifting out of position, especially in the upper section where the metal lining out of alignment would likely distort the embouchure undercutting. **Condition:** 5 replacement keys, see above; the original head joint cap and cork-setting mechanism was present when acquired by DCM. It is now missing. Head joint, both sections, cracked, resulting in nearly half of one ferrule missing. Lower body joint is cracked at socket, not including ferrule. Foot joint missing upper ferrule, and cracked at socket. There is also evidence of saw marks just beneath where the ferrule had been in position. **Provenance:** William Keinath, Bayonne, New Jersey, 2 Jan. 1922. Digital image available

Unit Id	*Contents*
0216	**Instrument Type:** Flute in C **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** ca. 1824 **Materials:** Boxwood, silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, all pewter plugs, with square metal plates for D#, C#, C. Large toneholes. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.1 cm. **Condition:** Cross-pinned at each mounting block. Replacement mount for C#, C keys. **Provenance:** J. Clayton Boyes, Bushey, England, 2 Jan. 1922. Digital image available
0217	**Instrument Type:** Flute in C **Maker Name:** Longman & Broderip **Maker Place:** London **Maker Date:** 1776-1798 **Materials:** Boxwood, silver keys, ivory ferrules. **Keys Holes System:** 6 keys, foot to C. Square flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 66.3 cm. **Condition:** Head joint ferrule cracked. **Provenance:** J. Clayton Boyes, Bushey, England, 2 Jan. 1922.
0218	**Instrument Type:** Flute in C **Maker Name:** Thomas Collier **Maker Place:** London **Maker Date:** a1787-p1791 **Materials:** Boxwood, ivory head joint cap and cork-setting mechanism, and ferrules, silver keys. **Keys Holes System:** 4 keys, square flat flaps, pin in block. **Physical Description:** 4 sections, with extra upper joint. **Measurement:** 59.9 cm., 62.2 cm. (for joint marked with "1") **Notes:** German-style "S" mark. According to Ardal Powell, the foot has no Collier stamp, but is likely made by him. D# key likely a replacement. Originally at least 3 upper joints (corps de rechange). **Condition:** This instrument had at least 3 corps de rechange, number 2 is missing and number 3 appears to have been shortened at the lower end, also possibly including a reduction in the length of the G# key flap. The upper joint (3) B-flat key block broken off and missing, replaced with a brass saddle. **Provenance:** Julius Heisinger, Oconto, Wisconsin, 2 Jan. 1922. Digital image available

Unit Id	*Contents*
0219	**Instrument Type:** Flute in C **Maker Name:** Louis Lot **Maker Place:** Paris **Maker Date:** ca. 1857 **Materials:** Silver, gold embouchure plate. **Keys Holes System:** Boehm system. Post and rod, roller for C. Possibly originally open G#, according to DCM ledger. Originally closed or open hole? The five pertinent key plates, if open hole, were enlarged, and later covered with metal disks soldered in place, which were later removed by DCM, reason unknown. **Physical Description:** 3 sections. **Measurement:** 67.65 cm. **Provenance:** Christensen & Co., Boston, 20 Jan. 1922. Digital image available
0220	**Instrument Type:** Piccolo in C **Maker Name:** Ubaldo Luvoni **Maker Place:** Milan **Maker Date:** a1826-1847 **Materials:** Ebony(?), nickel silver keys and ferrules, metal-lined head and key blocks. **Keys Holes System:** 6 keys, round flat flaps, pin in metal-lined blocks. The cross keys for G#, short F, and D# have skillfully engineered interval pad seat blocks. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 31.2 cm. **Notes:** Unusual, including a separate foot joint. **Condition:** Head joint, both sections, extremely cracked. Upper C key block cracked off at pin line, both sides. **Provenance:** G. Meriggioli, Milan, 1 Feb. 1922. Digital image available
0221	**Instrument Type:** Piccolo in D-flat(?) **Maker Name:** I. Ziegler **Maker Place:** Vienna **Maker Date:** 1821-p1895 **Materials:** Ebony(?), silver keys, ferrules and pin bushings, metal-lined head joint, key block, and cork-setting mechanism. **Keys Holes System:** 6 keys, shallow saltspoon, pin in metal-lined block. **Physical Description:** 2 sections. **Measurement:** 29.8 cm. **Condition:** Head joint, both sections, cracked; G# key block cracked on one side, short F key block cracked off and missing on one side. **Provenance:** G. Meriggioli, Milan, 1 Feb. 1922. Digital image available

Unit Id	*Contents*
0222	**Instrument Type:** Piccolo in D-flat **Maker Name:** Paolo Maino **Maker Place:** Milan **Maker Date:** 1836-1880 **Materials:** Boxwood, brass keys, animal horn ferrules, brass-lined head joint with tuning slide. **Keys Holes System:** 5 keys, modern style key cups, post and rod. **Physical Description:** 2 sections. **Measurement:** 29.3 cm. **Provenance:** G. Meriggioli, Milan, 1 Feb. 1922. Digital image available
0223	**Instrument Type:** Flute in C **Maker Name:** Maino & Orsi **Maker Place:** Milan **Maker Date:** 1880-p1926 **Materials:** Ebonite, nickel silver nickel-plated keys and ferrules. **Keys Holes System:** Giorgi system flute, see DCM 112. 4 keys, to low C. In addition, this instrument has 4 nickel-plated keys, including upper C#-D trill for right hand first finger, open standing keys for D, C#, low C for right little finger. **Physical Description:** 2 sections. **Measurement:** 61.45 cm. **Provenance:** G. Meriggioli, Milan, 1 Feb. 1922. Digital image available
0224	**Instrument Type:** Flute in C **Maker Name:** Armin Sternberg **Maker Place:** Budapest **Maker Date:** late 19c **Materials:** Ebony(?), varnished, end cap, and cork-setting mechanism, silver keys, ivory ferrule, with brass-lined head joint. **Keys Holes System:** 4 keys, pewter plug pads, pin in block, the E-flat key mount is metal-lined. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 61.05 cm. **Condition:** Head joint, both sections, cracked, including the larger center ferrule. Head joint upper ferrule possibly a replacement. Lower body joint socket cracked and repaired with 3 nickel silver cross pins plus a nickel silver ferrule situated adjacent (beneath) the original ivory ferrule. Foot joint crack in pin block, short crack starting at E-flat tonehole beneath. **Provenance:** G. Meriggioli, Milan, 1 Feb. 1922. Digital image available

Unit Id	*Contents*
0225	**Instrument Type:** Flute in C **Maker Name:** Paolo Maino **Maker Place:** Milan **Maker Date:** 1836-1880 **Materials:** Boxwood, animal horn cap and ferrules, cocus cork-setting mechanism, brass keys. **Keys Holes System:** 9 keys, pewter plug with metal lining, pin in brass-lined blocks, foot to B. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 70.9 cm. **Condition:** Head joint, both sections, cracked. Just beneath the cap, there is a nickel silver clarinet body ferrule (old repair attempt). Upper body cracked just beneath B-flat key. **Provenance:** G. Meriggioli, Milan, 1 Feb. 1922. Digital image available
0226	**Instrument Type:** Flute in C **Maker Name:** Jean Baptiste Tabard **Maker Place:** Lyon **Maker Date:** 1812-1848 **Materials:** Ebony(?), decorative silver keys, ivory ferrules. **Keys Holes System:** 4 keys, square flat flaps, post and rod. With a well-designed post and rod mechanism mounted on decorative rectangular flanges inset flush with outer surface of the tube. D# key is set very low and compensated with a very large elliptical tonehole. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 61.6 cm. **Condition:** Head joint missing cap and likely tuning mechanism, both sections cracked including both center ferrules. The bottom ferrule cracked and missing about 40 degrees in circumference. Lower body joint socket cracked in 2 places including one large crack in ferrule. Foot joint bottom ferrule has been replaced with animal horn ferrule. **Provenance:** G. Meriggioli, Milan, 1 Feb. 1922. Digital image available
0227	**Instrument Type:** Flute in C **Maker Name:** Richard Potter **Maker Place:** London **Maker Date:** 1726-1806 **Materials:** Boxwood, silver keys, ivory ferrules. **Keys Holes System:** 6 keys, square flaps, pin in block. **Physical Description:** 4 sections plus 2 extra upper body sections. **Measurement:** 66.15 cm., 67.4 cm., 68.2 cm. **Notes:** Upper joints 1, 2, 3 missing although may not been purchased. **Provenance:** G. Meriggioli, Milan, 1 Feb. 1922. Digital image available

Unit Id	*Contents*
0228	**Instrument Type:** Walking Stick Flute in C **Maker Name:** Scalvini **Maker Place:** Brescia **Maker Date:** early 19c **Materials:** Boxwood, turned to appear as stylized bamboo, horn pommel, brass key, brass ferrule and iron tip. **Keys Holes System:** 1 key, brass, round flat flap, pin in block. **Physical Description:** 3 sections, head joint, body, and staff, terminates with brass and iron tip. **Measurement:** 93.4 cm. **Notes:** 123 mm. long tapered brass ferrule with iron tack tip. **Condition:** Head joint socket is cracked and missing 160 degrees of material and the lower staff joint socket is cracked in 6 places, both sockets are cracked due to very flimsy construction (thin guage) and design. The body joint lower tenon is 37 mm., but the socket for it is 81 mm.!! **Provenance:** G. Meriggioli, Milan, 1 Feb. 1922. Digital image available
0229	**Instrument Type:** Flute in C **Maker Name:** I. Ziegler **Maker Place:** Vienna **Maker Date:** 1821-p1895 **Materials:** Boxwood, nickel silver keys, ivory ferrules. **Keys Holes System:** 12 keys, saltspoon, pin in nickel silver-lined blocks. Metal-lined toneholes for E-flat, low C#, C, B. **Physical Description:** 3 sections, tuning slide in head (no separate foot joint). **Measurement:** 70.5 cm. (as is) **Notes:** Tuning lines scribed in barrel portion. Unusually large (possibly enlarged) rectangular embouchure hole. **Condition:** Cap missing. Head joint, both sections, cracked. Crack in lower body joint. **Provenance:** G. Meriggioli, Milan, 1 Feb. 1922. Digital image available

Unit Id	*Contents*
0230	**Instrument Type:** Flute in C **Maker Name:** [Ziegler?] **Maker Place:** [Vienna?] **Maker Date:** [mid 19c] **Materials:** Ivory, silver keys, ferrules, metal-lined head and bushings under all keys. **Keys Holes System:** 17 keys, saltspoon, to D#, pewter plugs from C#. Curved foot to G. Post and rod on metal plates, rollers for keys from C#. Extra keys include left thumb D# and G#. **Physical Description:** 3 sections, tuning slide in head. Lower joint incorporates a U-bend at the low B-natural tonehole so that the instrument terminates slightly above the D# tonehole with a lateral vent as well as the actual end of the pipe. See Notes. **Measurement:** 71.3 cm. **Notes:** The lower joint is actually in 2 parts, one of which is a small detachable U-bend joint removable for cleaning, etc., on which is placed the C tonehole portion of the B-flat key. **Condition:** DCM ledger: "Head joint cracked 1921/1922. Tore out lining in barrel joint in tenon to prevent cracking." Head joint cracked upper section and shimmed, date not known. DCM ledger indicates that he removed the metal tube from the head joint barrel to prevent cracking and it is currently missing. An oval inlay plaque is also missing from the barrel. Crack at lower body socket down to fingerhole 4. **Provenance:** G. Meriggioli, Milan, 1 Feb. 1922. Digital image available
0231	**Instrument Type:** Flute in C **Maker Name:** S. Koch **Maker Place:** Vienna **Maker Date:** c1807-p1866 **Materials:** Ebony, silver cap, keys, and ferrules. Metal-lining under all keys and blocks. **Keys Holes System:** 15 keys, round flaps, pewter plugs for low C#-G. Foot to G. Pin in metal-lined blocks. Left hand little finger for B-flat, A. **Physical Description:** 3 sections, tuning slide in head (no separate foot joint). **Measurement:** 88 cm. **Condition:** Both sections, head joint, cracked. Body cracked at upper socket. **Provenance:** G. Meriggioli, Milan, 1 Feb. 1922. Digital image available

Unit Id	*Contents*
0232	**Instrument Type:** Albisiphon in C (See Notes.) **Maker Name:** Abelardo Albisi **Maker Place:** Milan **Maker Date:** 20c **Materials:** Silver plate over brass. **Keys Holes System:** Boehm system, closed G#, foot to B. Right thumb rest, ring for neck strap. **Physical Description:** 3 sections. Head joint in T-shape for vertical playing position and incorporating the coil to shorten overall length of instrument. **Measurement:** 98.2 cm. (37.2 mm. bore) **Notes:** According to letter from Meriggioli to DCM dated 13 Nov. 1937, this "Baritone (Bass) Flute in C is the first buil[t] by Mr. Albisi…and was used in the score of his opera 'La Parisina.'" This instrument has a very large bore (37.2 mm.) causing it to be very difficult to produce a tone. **Case:** Case. **Provenance:** G. Meriggioli, Milan, 1 Feb. 1922. Digital image available
0233	**Instrument Type:** Flute in C **Maker Name:** Boehm & Mendler **Maker Place:** Munich **Maker Date:** 1862-1888 **Materials:** Silver, gold embouchure plate, wood crutch. **Keys Holes System:** Boehm system, with Schleif key, open G#, foot to B. **Measurement:** 69.5 cm. **Notes:** DCM repairs include new silver caps for joints and to original case. **Case:** DCM ledger: "Case has initials on leather cover: C. Z." **Provenance:** G. Meriggioli, Milan, 1 Feb. 1922. Digital image available
0234	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** ca. 1878 **Materials:** Cocus, silver plate over brass keys and ferrules, metal-lined head joint and sockets. **Keys Holes System:** Radcliff model, cylindrical, old system. Closed G#, roller for C. **Physical Description:** 3 sections. **Measurement:** 65.1 cm. **Notes:** Head joint metal lined, terminating in short tuning pipe. **Condition:** Head joint cracked in 2 places, foot joint socket small crack. **Provenance:** Emma Pendleburry, Fall River, Massachusetts, 6 Feb. 1922. Digital image available

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0235	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Apache) **Maker Date:** 19c **Materials:** Unidentified hard wood, stained brown, feather. **Keys Holes System:** 0/1 hole. **Physical Description:** Whistle carved of one piece of wood, only the upper fourth of which incorporates a fipple-type whistle. **Measurement:** 3 cm. **Notes:** A unique piece of high relief folk carving depicting an unidentified reptile (possibly a horned toad) apparently climbing a tree trunk or branch. **Condition:** An original leather thong and feather (noted by DCM) now missing. DCM ledger: "Apache Tribe." **Provenance:** George R. Moore, Jamesville, Wisconsin, 11 Feb. 1922. Digital image available
0236	**Instrument Type:** Flute in C **Maker Name:** William Card **Maker Place:** London **Maker Date:** 1825-1862 **Materials:** Cocus, silver keys and ferrules, metal-lined head. **Keys Holes System:** Old system, conical bore, of the type known as Card's system. According to an indication in the DCM ledger, the head joint had a rectangular engraved silver plaque, now missing, which read: CARD'S / Improved (cursive) / PATENT. If so, this instrument incorporated Card's use of the Boehm system in the right hand but having only finger rings for right hand fingers 1, 2. However, this instrument has an added or possibly replaced (due to what seems to be the original key post location) finger 3 ring for the more typical Boehm F# fingering. The Card system also includes an alternate upper C key for the left thumb, now missing. Other alterations to this instrument, according to the DCM ledger, include: "Keys evidently have been modified, by experiment. Now is closed G#, probably once had Dorus G#. Once had a D key (or special C#); hole now filled with wood. Foot keys in Boehm style of 1832." **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 63.1 cm. **Condition:** Head joint, both sections, cracked. According to DCM, obtained with engraved silver plate, inlaid with mark, which is now missing. Present closed G# is a replacement with a key cup rather smaller than the original. Post holes have been plugged and fingerhole 3 has a bushing from the removal of the former, possibly open, G# alteration. A post hole has been plugged near fingerhole 4, purpose unknown. Lower ferrule on barrel is cracked. Foot joint socket cracked. The body lower tenon shoulder seems to have been slightly cut back with the missing wood material replaced by a horn ferrule. **Provenance:** J. Clayton Boyes, Bushey, England, 17 Feb. 1922. Digital image available

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0237	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian **Maker Date:** 19c **Materials:** Bone, rattan winding, thong. **Physical Description:** Rectangular fipple equidistant from ends. Lower end closed. **Measurement:** 16.4 cm. **Provenance:** George R. Moore, Jamesville, Wisconsin, 20 Feb. 1922. Digital image available
0238	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Pilager) **Maker Place:** Minnesota **Maker Date:** 19c **Materials:** Unidentified wood, flue cover of soapstone, pipestone(?). **Keys Holes System:** 0/6 holes. **Physical Description:** Carved possibly in the shape of rattlesnake rattle. A short length of unidentified hard wood, bored out in one piece with 6 nearly equidistant fingerholes grouped together at the center of the pipe. **Measurement:** 40.9 cm. **Notes:** The flue cover is, for this plain instrument, unusually ornate, carved, possibly to resemble a rattlesnake's rattle, integral mouthpipe. DCM ledger: "Pilager Tribe of Minnesota." **Provenance:** George R. Moore, Jamesville, Wisconsin, 22 Feb. 1922. Digital image available
0239	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Cane or bamboo, windings of rattan. **Keys Holes System:** 0/6 holes. **Physical Description:** Embouchure and toneholes burned in. No head section cork, end closed by natural septum **Measurement:** 48.3 cm. **Notes:** Septum located much too high to render the instrument playable. Decorated with cane strip winding in 2 places, showing 3 others where it was likely present. **Condition:** Cracked entire length. **Provenance:** George R. Moore, Jamesville, Wisconsin, 22 Feb. 1922. Digital image available

Unit Id	*Contents*
0240	**Instrument Type:** Flute in C **Maker Name:** Boehm & Greve **Maker Place:** Munich **Maker Date:** 1839-1846 **Materials:** Cocus, silver head joint tuning slide components and silver ferrules. **Keys Holes System:** 9 keys, round flat flaps, post and rod. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 66.3 cm. **Notes:** Each tenon strengthened with silver ferrule. **Case:** Original case. **Condition:** Head joint lower section cracked and missing tuning slide outer leg. Middle joint lower tenon ferrule missing. **Provenance:** Arthur Gemeinhardt, Markneukirchen, Germany, 23 Feb. 1922. Digital image available
0241	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian **Maker Date:** 19c **Materials:** Wood, thong. **Keys Holes System:** 0/6 holes. **Physical Description:** Tube of medium hard wood, gouged out of 2 halves, glued together, with 10 windings of thong. See Notes. **Measurement:** 34.4 cm. **Notes:** Decorated with indented dots, painted red. The end is carved with a geometric design. Lead flue plate and carved wooden cover in the form of unidentified animal. **Provenance:** George R. Moore, Jamesville, Wisconsin, 14 Mar. 1922. Digital image available
0242	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** John Spear, North American Indian (Winnebago) **Maker Date:** 1922 **Materials:** Wood, possibly walnut, thong. **Keys Holes System:** 0/6 holes plus 4 vent holes. **Physical Description:** Tube of hard wood, gouged out of 2 halves, glued together. See Notes. See DCM 811. **Measurement:** 52.2 cm. **Notes:** Tube decorated, possibly also stabilized, with inlaid lead ferrules perpendicular, diagonal, and decorative in a diamond pattern, surrounding 4 vent holes at the bottom. Lead flue plate and carved wooden flue cover in the form of an unidentified, stylized animal. Made for this collection. DCM ledger: "Winnebago Tribe." **Provenance:** Oliver La Mere, Winnebago, Nebraska, 16 Mar. 1922. Digital image available

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0243	**Instrument Type:** Whistle **Maker Name:** John Spear, North American Indian (Winnebago) **Maker Date:** 1922 **Materials:** Cane, thong, paper. **Keys Holes System:** 0/3 holes. **Measurement:** 29 cm. **Notes:** DCM ledger: "Winnebago Tribe." [and] "Made of cane with a knot at sound hole. Thong holding paper for upper lip...used with Winnebago war bundles and in winterfeasts." **Provenance:** Oliver La Mere, Winnebago, Nebraska, 16 Mar. 1922. Digital image available
0244	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Winnebago) **Materials:** Bone (eagle wing?). **Physical Description:** Fipple cut into exterior at approximately half-length point. **Measurement:** 20.1 cm. **Notes:** DCM ledger: "Winnebago Tribe." **Provenance:** Oliver La Mere, Winnebago, Nebraska, 16 Mar. 1922. Digital image available
0245	**Instrument Type:** Mutetele (Transverse Flute) **Maker Name:** Anonymous **Maker Place:** Rhodesia, South Africa **Maker Date:** 19c **Materials:** Cane. **Keys Holes System:** 0/3 holes. **Physical Description:** Cane, closed at ends with natural septum. With incised decoration. **Measurement:** 26 cm. **Notes:** DCM ledger: "Chikore, Melsetter District No. 8. Rhodesia, South Africa." **Provenance:** Philip P. Quayle, Washington, D.C., 28 Mar. 1922. Digital image available

Unit Id	*Contents*
0246	**Instrument Type:** Flute in C **Maker Name:** Thomas Prowse **Maker Place:** London **Maker Date:** 1832-1868 **Materials:** Cocus, silver lip plate, heavy silver ferrules with high relief engraving of floral and leaf patterns over ivory ferrules. **Keys Holes System:** 8 keys, Nicholson holes, saltspoon, with pewter plugs over square metal plates for C#, C. Pin in block, pre-cross pinned at E-flat/C# block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.45 cm. **Notes:** According to DCM correspondence from Percy M. Teasdale dated 16 Feb. 1922, "It is a genuine Charles Nicholson, and that Mr. Boyes thinks was played by Nicholson himself. We have had it in the family sixty or seventy years now." **Condition:** Head joint upper section cracked in 2 places, one having an old repair consisting of 2 perpendicular grain hourglass (bow tie) inlaid splines. Ivory ferrule at middle joint socket is cracked. **Provenance:** Percy M. Teasdale, Bushey, England, 29 Mar. 1922. Digital image available
0247	**Instrument Type:** Vivo (Nose Flute) **Maker Name:** Anonymous **Maker Place:** Papeete, Tahiti **Maker Date:** 20c **Materials:** Bamboo. **Keys Holes System:** 0/6 holes. **Measurement:** 29.7 cm. **Condition:** Tube cracked in 3 places, nearly full length. **Provenance:** Jean Mignolet, Denver, Colorado, 8 Apr. 1922. Digital image available
0248	**Instrument Type:** Vivo (Nose Flute) **Maker Name:** Anonymous **Maker Place:** Papeete, Tahiti **Maker Date:** 20c **Materials:** Bamboo. **Keys Holes System:** 0/3 holes. **Physical Description:** Bamboo, with natural septum at upper end, perforated with 4 lateral holes. The uppermost hole is directly beneath the septum. **Measurement:** 27.3 cm. **Condition:** Small crack at lower end. **Provenance:** Jean Mignolet, Denver, Colorado, 8 Apr. 1922. Digital image available

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0249	**Instrument Type:** Flute in C **Maker Name:** Monzani **Maker Place:** London **Maker Date:** 1809 **Materials:** Cocus, silver keys, and silver-lined sockets, wood tuning spacer ferrule. **Keys Holes System:** 7 keys, foot to C. Square flaps stamped with crown. **Physical Description:** 3 sections. **Measurement:** 66.1. cm., 67 cm. with spacer **Notes:** One of a set of three flutes (DCM 249, 250, 251). **Case:** Case holds all three flutes. Mahogany case, brass corners and escutcheon, with swabs and grease box. Case contains cocuswood head joint tenon cap (marked: (crown) / patent) for protecting and keeping clean the head joint tenon, and also contains the spacer ferrule kept in position on itself with a wooden screw cap (marked: (crown)). **Provenance:** J. Clayton Boyes, Bushey, England, 8 May 1922. Digital image available
0250	**Instrument Type:** Flute in E-flat **Maker Name:** Monzani **Maker Place:** London **Maker Date:** 1808-1819 **Materials:** Cocus, ivory cork-setting mechanism with silver-mounted shaft, silver keys, ferrules and lined sockets. **Keys Holes System:** 6 keys, square flaps, stamped with crown (except F (A-flat)) which is a replacement. To low C# (sounding E). No long F. **Physical Description:** 3 sections. **Measurement:** 53.3 cm. **Notes:** One of a set of three flutes (DCM 249, 250, 251). **Case:** See DCM 249 regarding case. **Condition:** Body joint cracked. **Provenance:** J. Clayton Boyes, Bushey, England, 8 May 1922. Digital image available
0251	**Instrument Type:** Flute in G **Maker Name:** Monzani **Maker Place:** London **Maker Date:** 1808-1819 **Materials:** Cocus, silver keys and ferrules. **Keys Holes System:** 5 keys, square flaps, stamped with crown, foot to D (sounding A), pin in block. **Physical Description:** 4 sections. **Measurement:** 75.4 cm. **Notes:** One of a set of 3 flutes (DCM 249, 250, 251). Mark on foot: (crown) / MONZANI & C°. Embouchure has raised wings like later German instruments, but the wings are set further back, and do not make contact with player's embouchure as guides. **Case:** See DCM 249 regarding case. **Condition:** 2 small cracks, lower body. Edge of C (G) key block broken off. **Provenance:** J. Clayton Boyes, Bushey, England, 8 May 1922. Digital image available

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0252	**Instrument Type:** Flute in C **Maker Name:** Gautrot, aîné **Maker Place:** Paris **Maker Date:** 1845-p1884 **Materials:** Silver. **Keys Holes System:** Boehm system, cylindrical, open G#, with rectangular toneholes almost full width of bore (Boehm venting principles taken to their logical extreme) and according to DCM, modified in upper part. Action cut very high from body, 23 mm. at foot. Large rectangular toneholes and keys (British Patent no. 2943, Steckel, 1868). **Physical Description:** 2 sections. **Measurement:** 65 cm. **Provenance:** W. Alan Kennedy, Quebec, Canada, May 1922. Digital image available
0253	**Instrument Type:** Flute in A-flat **Maker Name:** Maino & Orsi **Maker Place:** Milan **Maker Date:** 1880-p1926 **Materials:** Unidentified wood with black finish, nickel silver ferrules and keys, brass-lined head. **Keys Holes System:** 6 keys, post and rod direct mount, modern style key cups. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 38.8 cm. **Condition:** Head joint, upper section, cracked. **Provenance:** G. Meriggioli, Milan, 24 May 1922. Digital image available
0254	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** 1880(?) **Materials:** Phosphor bronze, according to DCM, but possibly of copper, nickel silver embouchure plate, barrel, and keys. **Keys Holes System:** Boehm system, closed G#, no trill keys, single thumb key (B-natural), foot to C. **Physical Description:** 2 sections, body and foot are one piece. **Measurement:** 63.4 cm. **Notes:** DCM ledger: "Special type of clutches by means of a second rod parallel to main action rod (Good design). All keys removable by drawing one rod for body, and one for foot. Meriggioli says material may be 'Similoro.'" [and] "Probable date 1880?" **Case:** Painted on case: E G **Provenance:** G. Meriggioli, Milan, 24 May 1922. Digital image available

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0255	**Instrument Type:** Flute in C **Maker Name:** Jul. Heinr. Zimmermann **Maker Place:** St. Petersburg **Maker Date:** 1875-1929 **Materials:** Grenadilla, ivory upper section head, nickel silver(?) silver-plated keys, metal-lined head. **Keys Holes System:** 13 keys, modern style key cups, post and rod on ribs, foot to B. Orange plastic roller for F, E-flat, low C. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 70.7 cm. **Notes:** German wing tip embouchure. DCM ledger: "Provided with extra rings for inside and outside of body joint to make low pitch (7.7 mm.)." **Condition:** Head, ivory section, cracked and filled. DCM ledger: "Ivory Head slit...to forestall cracking, Nov. 28, 1922." **Provenance:** G. Meriggioli, Milan, 24 May 1922. Digital image available
0256	**Instrument Type:** Flute in C **Maker Name:** S. Koch **Maker Place:** Vienna **Maker Date:** c1807-p1866 **Materials:** Ebony, silver keys and ferrules, metal-lined head. **Keys Holes System:** 14 keys, metal-lined, modern style above C#, foot to low G with recurved foot joint. Pin in metal-lined blocks. **Physical Description:** 3 sections, tuning slide in head. Lower joint turns back on itself on a U-bend at the low B-flat tonehole (with boot). **Measurement:** 70.5 cm. **Condition:** Crack in head, previously filled. **Provenance:** G. Meriggioli, Milan, 24 May 1922. Digital image available
0257	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Place:** London **Maker Date:** mid 19c **Materials:** Rosewood(?), nickel silver lip plate, keys, bushings at toneholes, metal-lined head. **Keys Holes System:** 8 keys, Nicholson holes, post and rod, modern style key cups. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.9 cm. **Case:** Case, with brass plate marked: B. SHORE. **Condition:** Head joint, both sections, cracked. **Provenance:** G. Meriggioli, Milan, 22 May 1922. Digital image available

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0258	**Instrument Type:** Flute in C **Maker Name:** A. Rampone **Maker Place:** Milan **Maker Date:** late 19c **Materials:** Silver, double wall. **Keys Holes System:** 13 keys, foot to B. Keys include left hand D#. Low C#, C, B, metal plugs, all other keys modern style key cups, post and rod. Rollers for C#, C. **Physical Description:** 3 sections. **Measurement:** 70.6 cm. **Notes:** Cap and end of foot joint decorated with cast high relief decorative element. Engraving at embouchure including lyre motif, around 6 principal fingerholes (sunburst). **Provenance:** G. Meriggioli, Milan, 24 May 1922. Formerly owned by Louis Rossi, 1895-1897. Digital image available
0259	**Instrument Type:** Flute in C **Maker Name:** Heinrich Wild **Maker Place:** Zurich **Maker Date:** 1855 **Materials:** Cocus, nickel silver keys and ferrules. **Keys Holes System:** 10 keys, round key cups similar to early Boehm model, post and rod, foot to low C. High D trill, alternate right hand B-flat. **Physical Description:** 4 sections, tuning slide in head, slide screwed. **Measurement:** 66.45 cm. **Notes:** DCM ledger: "Slide joint screwed into head, a la Boehm 1829." **Condition:** Barrel cracked. Missing maker name plate. **Provenance:** G. Meriggioli, Milan, 24 May 1922. Digital image available

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0260	**Instrument Type:** Flute in C **Maker Name:** [Giosue Esposito(?)] **Maker Place:** [Naples] **Maker Date:** [late 19c] **Materials:** Grenadilla, silver keys and ferrules, metal-lined head. **Keys Holes System:** See DCM 315: "Neapolitan Model Flute…. Special system. Old system." Modified simple system conical bore. In addition to keys for (lower to upper) low C, C#, D#, G#, left thumb and right 1st finger B-flat, and right 1st finger upper B-natural (rather than C), it has fingering for 2nd finger of each hand, each closing an adjacent tonehole above and a 1st finger right hand key also closing 2 adjacent toneholes. Furthermore, depressing the D# key operates a lever which closes the key and tonehole operated by the RH finger ring without closing the tonehole within that ring, thus yielding a more centered forked fingering, which appears to be the only F fingering. There are also 2 keys located quite high on the upper joint operated by both a second left thumb key and/or a third RH 1st finger key, purpose uncertain. Roller C#, C. Correspondence between Miller and Meriggioli refers to the system or model as Neapolitan, De Michelis, or Piazza. **Physical Description:** 3 sections, body and foot are one joint, tuning slide in head. **Measurement:** 66.55 cm. **Notes:** Barrel and head not original. **Condition:** Head joint, both sections, cracked, the upper section having 2 spiral cracks. **Provenance:** G. Meriggioli, Milan, 24 May 1922. Digital image available
0261	**Instrument Type:** Flute in C **Maker Name:** Guerini, Mantova **Maker Place:** Mantua **Maker Date:** early 19c **Materials:** Boxwood, brass keys, animal horn ferrules, brass-lined head. **Keys Holes System:** 5 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 60.4 cm. (without cap) **Notes:** DCM ledger: "Barrel joint new. Cap missing. Ivory plate inlaid at embouchure." **Condition:** Head joint cap missing, upper section cracked. Ivory embouchure inlay missing. Long F key finger lever broken off and missing at spring rivet. **Provenance:** G. Meriggioli, Milan, 24 May 1922. Digital image available

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0262	**Instrument Type:** Flute in C **Maker Name:** Rudall Rose Carte & Co. **Maker Place:** London **Maker Date:** 1854-1871 **Materials:** Silver. **Keys Holes System:** DCM ledger: "The 'System of Fingering' is non-descript, it is neither Radcliff nor Carte's 1851." The instrument is essentially a cylindrically-bored 8-keyed flute with the 6 principal rank toneholes covered by keys and offering, beyond the normal 8-keyed fingering possibilites, a third F fingering, viz., the forked F. D# key lever passes under other foot keys. Foot to C (roller). **Physical Description:** 3 sections. **Measurement:** 64.2 cm. **Notes:** Embouchure barrel engraved with leaf pattern. **Provenance:** Willam R. Gibbs, Boston, 7 June 1922. Digital image available
0263	**Instrument Type:** Flute in C **Maker Name:** Boehm & Mendler **Maker Place:** Munich **Maker Date:** 1862-1888 **Materials:** Silver, silver head joint with gold embouchure plate, cocus head with wood cover for slide. Wood crutch, gold plates on key cups. **Keys Holes System:** Boehm system, open G#, Schleif key. Foot to B, rollers for C, B. **Physical Description:** 3 sections, with 2 head joints. **Measurement:** 68 cm. (silver), 68.4 cm. (wood) **Condition:** DCM ledger lists repairs, "About 24 hours work." **Provenance:** Paul H. Siebeneichen, Jamaica, New York, 12 June 1922. Digital image available
0264	**Instrument Type:** Pitch Pipe **Maker Name:** Anonymous **Materials:** Mahogany, maple. **Physical Description:** Round, turned mahogany outer tube with maple fipple section attached (glued) at the top with pewter ring at the bottom. **Measurement:** 34.45 cm. **Notes:** The pitch slide is turned maple and marked with note name from D up to C, with chromatics in between marked with sharp or flat symbols. **Provenance:** Gamaliel W. Beaman, Princeton, Massachusetts, 12 July 1922. Digital image available

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0265	**Instrument Type:** Pitch Pipe **Maker Name:** Anonymous **Maker Date:** 18c/early 19c **Materials:** Mahogany. **Physical Description:** Rectangular form, with pitch slide lined on 3 edges with parchment(?) which possibly functioned originally as a gasket or part of it. **Measurement:** 16.8 x 7.9 x 2.65 cm. **Notes:** Upper edge parchment(?) lining is marked with lines and note names, now mostly illegible. Letter from Beaman to DCM, 19 Feb. 1923, "The Old Pitch Pipe is a Relic of Old Westminster Mass my Native Town, no doubt was used in the First Church there & should say it is at least 150 years old & perhaps more." **Provenance:** Gamaliel W. Beaman, Princeton, Massachusetts, 12 July 1922. Digital image available
0266	**Instrument Type:** Flute in C **Maker Date:** early 19c **Materials:** Boxwood, brass keys, black horn ferrules. **Keys Holes System:** 4 keys, round flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.15 cm. **Condition:** Head joint warped. Lower body joint cracked in 3 places, socket horn ferrule replaced with metal ferrule, probably as a crack repair. Two wires located further down the tube also addressing the crack problem. **Provenance:** Gamaliel W. Beaman, Princeton, Massachusetts, 12 July 1922. Digital image available
0267	**Instrument Type:** Flute in C **Maker Name:** Hermann Wrede **Maker Place:** London **Maker Date:** 1837-1840 **Materials:** Boxwood, silver keys. **Keys Holes System:** 6 keys, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 66.8 cm. **Provenance:** Gamaliel W. Beaman, Princeton, Massachusetts, 12 July 1922. Digital image available
0268	**Instrument Type:** Piccolo in D-flat **Maker Name:** Anonymous, possibly English or American maker **Maker Date:** early 19c **Materials:** Boxwood, bone cap and ferrules, brass key. **Keys Holes System:** 1 key, round flat flap, pin in block. **Physical Description:** 3 sections, separate foot joint for left and right. **Measurement:** 29.8 cm. **Condition:** Head joint warped. **Provenance:** Gamaliel W. Beaman, Princeton, Massachusetts, 12 July 1922. Digital image available

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0269	**Instrument Type:** Flute in C **Maker Name:** Thomas Stanesby, junior **Maker Place:** London **Maker Date:** p1713-ca. 1754 **Materials:** Ivory, wood head joint end cap plug faced with silver disk, silver ferrule and key. **Keys Holes System:** 1 key, square flat flap, pin in ivory. **Physical Description:** 4 sections. Head joint, English style with tenon. **Measurement:** 60.8 cm. **Notes:** Both body joints have immediately adjacent to the tenon a wide silver ferrule or band which incorporates the 3rd and 6th fingerholes, respectively, and secured in place with 2 silver pins or tacks each. Purpose not known. Crack repair would seem the obvious purpose, although cracks do not pertain in either case. **Condition:** Head joint ferrule may actually belong to DCM 1504. Head joint has unusual crack starting near embouchure hole and terminating about 9 mm. from the end of the tenon! However, about 180 degrees from that crack the tenon has a cavity-like problem with a full tenon length crack running through it. Foot joint has 5 interior cracks near bottom of socket. Key spring missing. **Provenance:** Gamaliel W. Beaman, Princeton, Massachusetts, 12 July 1922. Digital image available
0270	**Instrument Type:** Flute in C **Maker Name:** Bühner & Keller **Maker Place:** Strasbourg **Maker Date:** p1802-ca. 1844 **Materials:** Boxwood, silver key, ivory ferrules. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 61.3 cm. (without cap) **Notes:** Original head cap unit missing, material unknown, likely boxwood. Instrument had corps de rechange, likely 3 or more, of which no. 2 is extant. **Condition:** Head joint cap is missing, upper ferrule broken and missing 140 degrees in circumference. Head joint socket cracked, including ferrule, an iron wire binding has been applied near the ferrule bead. **Provenance:** Victor R. Sleeter, Bloomington, Illinois, 18 July 1922. Digital image available

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0271	**Instrument Type:** Walking Stick Flute in C **Maker Name:** Anthony **Maker Place:** Philadelphia **Maker Date:** c1764-1811 **Materials:** Unidentified wood, stained. Wooden body once varnished dark, partially intact. Ivory cap over a possibly mahogany or cocus element (approx. 5 cm.) **Keys Holes System:** Originally 4 keys, ivory bushed holes. Two ventholes at foot which terminate in a taper of brass ferrule and round head iron tack. **Physical Description:** Pommel is 2-piece. **Measurement:** 95.5 cm. **Notes:** Both pommel and cap thread into their following sections. The upper threaded socket of main wooden body has a beaded brass ferrule and the cord holes are bushed with ivory, one being a replacement. Turned with oversized ferrules positioned every 4-5 cm., each one then hand carved to leave four raised, knot-like decorations (68 in all). See DCM 1231 and 1662. **Condition:** All 4 keys are missing, the key mount on the instrument is simply a recessed slot, partially bushed with metal, apparently to receive an instantly removable key and mount. The instrument body, as is, has no mechanism to serve as a key mount. It could be that this was an intentional design for travelling purposes, the keys being added when desired. The B-flat, G#, and F key toneholes are plugged with cork, implying that the owner/player may have used only the E-flat key. Only 4 instruments have surfaced from the Anthony workshop, which is curious in that city directories list them as being in business for half a century. Upper socket has 4 cracks, all threaded elements are worn and the pommel tenon appears to have broken off for maybe half its original length. Its corresponding socket threads descend 24 mm. **Provenance:** W. P. Harrell, Portsmouth, Virginia, 24 Aug. 1922. Digital image available
0272	**Instrument Type:** Shakuhachi (Notched Flute) **Maker Name:** Anonymous, Japanese (See Mark Maximum.) **Maker Date:** 1918 **Materials:** Bamboo plus filler plus black lacquer (evidence of red lacquer underneath), black horn uta-guchi. **Keys Holes System:** 1/4 holes. **Physical Description:** Kinko style, horn uta-guchi, bore lacquered over red. **Measurement:** 54.7 cm. **Case:** Case and silk bag. **Condition:** Crack at lower end. **Provenance:** T. C. Mendenhall, Ravenna, Ohio, 27 Aug. 1922. Digital image available

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0273	**Instrument Type:** Reed Pipe, Deer (or Moose) Call **Maker Name:** Anonymous, North American Indian (Chippewa) **Maker Date:** 20c **Materials:** Sumac. **Keys Holes System:** 0 holes. **Physical Description:** 2 pieces. **Measurement:** 29.5 cm. **Notes:** DCM ledger quotes letter from Frances Densmore, 11 Sept. 1922: "On a recent trip to the Chippewa County I obtained one of the whistles used by the Chippewa in calling deer and am sending it to you today. It is in two sections (each being a double cone). When tightly closed, the tone of this one is good. It is the custom of the Indian to place the hand cup-wise over the end of this whistle and to move the hand so as to vary the tone, making it more like the call of a deer. This specimen is made of Sumac. Such a whistle is usually made more effective by pouring over it a decoction of some herb, 'medicine,' which is supposed to attract deer. These whistles were mad in various sizes." As is, in the Miller collection, it is not clear which of the 2 similar components should be inserted into the other, the metal reed therefore being in the center or at the lower end. If at the lower end, the instrument can than take an extra wooden mouthpiece, now with it, but not received or noted by DCM. At the time of its acquisition, Miller recorded in his ledger that it was of Sumac wood, in two pieces, with a beating reed of sheet metal, inserted in lower open end, held in wooden wedges and "caulked" with cloth. Miss Densmore was with the Bureau of American Ethnology, Washington. **Provenance:** Frances Densmore, Red Wing, Minnesota, 15 Sept. 1922. Digital image available
0274	**Instrument Type:** Clarinet in C **Maker Name:** Graves & Co. **Maker Place:** Winchester, New Hampshire **Maker Date:** 1830-1850 **Materials:** Boxwood, brass keys, ivory ferrules, blackwood mouthpiece (possibly not original). **Keys Holes System:** 5 keys, round flaps, pin in block. **Physical Description:** 4 sections plus mouthpiece. **Measurement:** 59.5 cm. (as is) **Notes:** Pre-cross pinned at register A key block, G#, E, F# key cluster block, and E key pivot block. Mouthpiece appears to be cut down from a larger English mouthpiece of the period. **Condition:** Mouthpiece is cracked in 2 places, overly refaced numerous times, tip broken off and replaced with a silver toothguard plate which also, rather crudely, forces an incorrect tip and baffle. Chip of wood missing under low E key tonehole. Barrel lower ivory ferrule has gaping crack. Upper joint, cracked at G hole. Ivory ferrule on bell a replacement. Upper ferrule possibly replacement. Two large chips missing adjacent to bell bottom ferrule. **Provenance:** Gamaliel W. Beaman, Princeton, Massachusetts, 12 July 1922. Digital image available

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0275	**Instrument Type:** Clarinet in C **Maker Name:** Hermann Wrede **Maker Place:** London **Maker Date:** 1814-1829 **Materials:** Boxwood, brass keys, ivory ferrules. **Keys Holes System:** 8 keys, square flaps, pin in block. **Physical Description:** 4 sections plus barrel. **Measurement:** 52.7 cm. **Notes:** Barrel from another instrument, see Langwill regarding barrel. Upper section, 3 original cross pins. Lower, 1 original cross pin. **Condition:** DCM ledger: "2 missing and broken keys, replaced. Bell rim all gone, 2 ivory rings missing, replaced." Upper ivory ferrule on barrel replaced by DCM. Upper body, old fork repair of register key consisting of brass strap riveted to mend break. E-flat and A keys are replacements. B-F# possibly a replacement. G#-D# key a replacement. F# key has replacement section just below pin, and a portion of the upper end of the key may be a replacement, and/or it may have been shortened. Lower joint ivory ferrule, a replacement by DCM. Chips of wood missing at low F (E key) tonehole. Bell, ivory ferrule missing, and bell has been shaved down by hand to receive a brass ferrule replacement, now missing. No mouthpiece. **Provenance:** Gamaliel W. Beaman, Princeton, Massachusetts, 12 July 1922. Digital image available
0276	**Instrument Type:** Kuan (Double Reed Pipe) **Maker Name:** Anonymous, Chinese **Maker Date:** 19c **Materials:** Bamboo, nickel silver ferrules. **Keys Holes System:** 1/7 holes. **Measurement:** 22.9 cm. **Provenance:** Music shop, Chinatown, San Francisco, 16 Aug. 1920. Digital image available
0277	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** p1879 **Materials:** Cocus, silver plate keys and ferrules, metal-lined head and sockets. **Keys Holes System:** Old system, cylindrical. Standard 8-keyed model to low C, plus all principal rank toneholes covered with keys, the RH of which have offset finger plates similar to saxophone design, and the LH of which incorporates a finger-ring and half-hole mechanism on the LH 1st finger, similar to oboe design. **Physical Description:** 3 sections. **Measurement:** 65.3 cm. **Condition:** Foot joint cracked at socket. **Provenance:** J. Clayton Boyes, Bushey, England, Sept. 1922. Digital image available

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0278	**Instrument Type:** Flute in E-flat **Maker Name:** John J. Rickers (See Notes.) **Maker Place:** New York (See Notes.) **Maker Date:** 1824-1847 **Materials:** Boxwood, bone cap and ferrules, brass keys. **Keys Holes System:** 4 keys, square flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 51.85 cm. **Notes:** Rickers listed in Langwill as ?Dealer. Instrument likely by English maker. **Condition:** Head joint ferrule cracked. F key missing. Lower body joint cracked and missing portion (about 45 degrees). **Provenance:** Charles Kolb, New York, Sept. 1922. Digital image available
0279	**Instrument Type:** Piccolo in C **Maker Name:** Maino & Orsi **Maker Place:** Milan **Maker Date:** early 20c **Materials:** Imitation ivory, composite material, with silver-plated brass end caps, keys, and ferrules. Head joint metal-lined with tuning slide. **Keys Holes System:** 6 keys, modern style key cups, post and rod, direct mount. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 32 cm. **Notes:** Head cap and lower body ferrule engraved with leaf motif. The material of this instrument is no better suited to crack prevention than is ivory, for on Nov. 28, 1922, Miller notes: "Head cracked...six weeks after receipt!" **Condition:** Head joint, both sections, cracked. **Provenance:** G. Meriggioli, Milan, 10 Oct. 1922. Digital image available
0280	**Instrument Type:** Piccolo in C **Maker Name:** A. Rampone **Maker Place:** Milan **Maker Date:** ca. 1850-1912 **Materials:** Silver, double wall, both head joint and body. Head joint cap and cork-setting mechanism made of cocuswood with silver dome exterior. **Keys Holes System:** 7 silver or silver-plated keys, modern style key cups, post and rod on flanges, soft soldered to body. 7th key is for high D/E trill. **Physical Description:** 2 sections, tuning slide (short) in head, conical. **Measurement:** 31.3 cm. **Notes:** Embouchure engraved with lyre, sunburst, floral motif. The 6 principal fingerholes are engraved around the fingerhole. **Provenance:** G. Meriggioli, Milan, 10 Oct. 1922. Digital image available

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0281	**Instrument Type:** Unidentified Object **Maker Name:** Anonymous **Materials:** Wood, light colored. **Physical Description:** A hand-carved wooden staff or dowel, which has been bored by wood burning at each end for a depth of approximately 30 mm. **Measurement:** 53.6 cm. x 3.5 cm. (approximate diameter) **Notes:** Purpose unknown. Collected by DCM as "Stick of Wood. In early stages of flute construction. Exotic." **Provenance:** Harold Reeves, London, 24 Oct. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available
0282	**Instrument Type:** Nay (End-blown Flute) **Maker Name:** Anonymous **Maker Place:** Cairo, Egypt **Maker Date:** ca. 1890(?) **Materials:** Bamboo, incised with carved leaf, floral, and exotic animal design. **Keys Holes System:** 0/6 holes. **Measurement:** 59 cm. **Provenance:** Harold Reeves, London, 24 Oct. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available
0283	**Instrument Type:** End-blown Flute **Maker Name:** Anonymous **Materials:** Unidentified wood, turned down to an unusual wall thickness appearing very much like cane. **Keys Holes System:** 1/7 holes. **Measurement:** 78.6 cm. (according to DCM ledger) **Notes:** Original length not known, bottom end shows evidence of at least 3 vent holes. DCM ledger: "Badly broken when received from England." **Condition:** Instrument is shattered into 6 pieces. **Provenance:** Harold Reeves, London, 24 Oct. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available
0284	**Instrument Type:** End-blown Flute **Maker Name:** Anonymous **Maker Place:** Romania **Maker Date:** late 19c **Materials:** Wood, bored and turned, simple turned decoration with red, black and green bands. **Keys Holes System:** 1/6 holes. Each fingerhole is recessed. **Measurement:** 33.7 cm. **Provenance:** Harold Reeves, London, 24 Oct. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available

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0285	**Instrument Type:** Notched Flute **Maker Name:** Anonymous **Maker Place:** Southern Sudan **Maker Date:** 19c **Materials:** Bamboo, covered with leather, 6 bands of tinned steel, band of snake skin at upper end and bands of twine. Ornamented with beads, fringe, and cord. **Keys Holes System:** 0/4 holes. **Measurement:** 59.5 cm. **Notes:** See DCM 286, 287. Tinned steel from cans marked "Best Petroleum." DCM ledger quotes Southgate's "Evolution of the Flute," 1908, p. 163, regarding this instrument: "Sent [to] me by my nephew, who happens to be a high official at Khartoum, and had to make a long journey to the south of the Soudan to punish the Niam-Niam tribe for making meals of our laborers working on the Uganda railway." **Provenance:** Harold Reeves, London, 24 Oct. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London.
0286	**Instrument Type:** Notched Flute **Maker Name:** Anonymous **Maker Place:** Southern Sudan **Maker Date:** 19c **Materials:** Bamboo, covered with leather, and 6 bands of tinned steel, 2 bands of snake skin, plus beads, cord and tassels. **Keys Holes System:** 0/4 holes. **Measurement:** 59.7 cm. **Notes:** See DCM 285, 287. **Provenance:** Harold Reeves, London, 24 Oct. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London.
0287	**Instrument Type:** Notched Flute **Maker Name:** Anonymous **Maker Place:** Southern Sudan **Maker Date:** 19c **Materials:** Bamboo, covered with leather, and 4 bands of tinned steel, band of snake skin, bands of twine, and beads, shells, leather strap. **Keys Holes System:** 0/2 holes. **Measurement:** 47.5 cm. **Notes:** See DCM 285, 286. **Provenance:** Harold Reeves, London, 24 Oct. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London.

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0288	**Instrument Type:** Notched Flute **Maker Name:** Anonymous **Maker Place:** Uganda **Materials:** Bamboo, with hair attached at lower end. **Keys Holes System:** 0/4 holes. **Measurement:** 39.1 cm. **Provenance:** Harold Reeves, London, 24 Oct. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available
0289	**Instrument Type:** Argul (Double Pipe, Single Reeds) **Maker Name:** Anonymous **Maker Place:** Egypt **Maker Date:** 19c **Materials:** Cane, bound with cord. **Keys Holes System:** Chanter: 0/6 holes. **Physical Description:** 2 parallel cylindrical pipes. See Notes. **Measurement:** Chanter: 31.2 cm. (approximately with idioglottal reed); Drone: 43 cm. (without extensions) **Notes:** Each pipe consists of a principal portion into which is inserted at the upper end a short, secondary portion or shank which serves to reduce the bore. Each secondary portion or shank then receives the idioglottal reed which in turn reduces the bore. The two pipes, including the upper shank, are bound together whereas the uppermost reed section is applied to each as a single unit. Cord with knife-cut zigzag motif. **Condition:** Missing drone pipe extension(s). **Provenance:** Harold Reeves, London, 3 Nov. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available
0290	**Instrument Type:** Argul (Double Pipe, Single Reeds) **Maker Name:** Anonymous **Maker Place:** Egypt **Maker Date:** 19c **Materials:** Cane, bound with cord. **Keys Holes System:** Chanter: 0/6 holes. **Physical Description:** 2 parallel cylindrical pipes. **Measurement:** Chanter: 43.4 cm. (w/ tubing extension which may belong to this instrument); Drone: 27.7 cm. (as is) **Notes:** Chanter pipe, without reed: 19.5 cm. **Condition:** Missing one reed section drone extension pipe cracked at upper end. **Provenance:** Harold Reeves, London, 3 Nov. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available

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0291	**Instrument Type:** Zummāra arbawiga (Double Pipe, Single Reeds) **Maker Name:** Anonymous, Near Eastern-style **Materials:** Bamboo, bound with string. **Keys Holes System:** 0/4 holes (both pipes). **Physical Description:** 2 pipes, 2 sections each. **Measurement:** 22.95 cm. (each pipe, without reeds) **Notes:** Each pipe is constructed of the principal section having the fingerholes into which is inserted a smaller or shorter bore section or shank which in turn takes the uppermost section, idioglottal reed. The principal and short middle pipes are bound together with cord at each end. DCM ledger: "This specimen is probably a 'copy' by Dr. Southgate." **Condition:** Upper section right hand pipe cracked. **Provenance:** Harold Reeves, London, 3 Nov. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available
0292	**Instrument Type:** Zummāra chamsawiza (Double Pipe, Single Reeds) **Maker Name:** T. Lea Southgate **Maker Place:** London **Maker Date:** 1890 **Materials:** Cane, bound with cord at upper end, cord and skin at end. **Keys Holes System:** 0/5 holes, both pipes. **Physical Description:** See DCM 291. **Measurement:** 31.7 cm. (each pipe) **Notes:** DCM ledger: "Copy [of an instrument] from Coptic Cemetary [sic] at Gurob…. Date about 600 A.D.… Original found by Mr. Flinders Petrie." **Condition:** Both pipes missing upper shank, tube, and reed section. **Provenance:** Harold Reeves, London, 3 Nov. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available
0293	**Instrument Type:** Chalumeau **Maker Name:** T. Lea Southgate **Maker Place:** London **Maker Date:** turn of 20c **Materials:** Mahogany, turned, with ferrules. **Keys Holes System:** 1/7 holes (8-holed, with duplicate lower little fingerhole on either side.) **Physical Description:** 2 sections. Clarinet-like mouthpiece. **Measurement:** 25.8 cm. **Notes:** Replica, crudely made, pitch unknown. DCM ledger: "Copy of Chalumeau after one possessed by Canon Galpin." **Condition:** Crack, mouthpiece, old repair with wire. **Provenance:** Harold Reeves, London, 3 Nov. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available

Unit Id	*Contents*
0294	**Instrument Type:** Vertical Whistle Flute(?) **Maker Name:** Anonymous **Maker Place:** Nicobar Island **Maker Date:** 19c **Materials:** Cane, stained light brown, palm leaf tied with string near hole at upper end. **Keys Holes System:** 1/7 holes. **Measurement:** 35.6 cm. **Notes:** DCM ledger: "Open Pipe Flute from Nicobar Island, south of Andaman Islands, Bay of Bengal, Indian Ocean." **Condition:** Cracked entire length, and at top. **Provenance:** Harold Reeves, London, 3 Nov. 1922. Formerly in the collections of Mr. T. W. Taphouse, Oxford, and Dr. Thomas Lea Southgate, London. Digital image available
0295	**Instrument Type:** Cyla-Diare (Double Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Albania **Maker Date:** 19c **Materials:** Wood. **Keys Holes System:** Right: 0/6 holes. Left: drone, terminating inside vent hole near bottom. **Measurement:** 24.05 cm. **Provenance:** Harold Reeves, London, 3 Nov. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available
0296	**Instrument Type:** Furulya (Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Hungary **Materials:** Wood, bored and turned, simple turned decor. **Keys Holes System:** 0/6 holes. **Measurement:** 43.2 cm. **Provenance:** Harold Reeves, London, 3 Nov. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available
0297	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Tunis **Maker Date:** 19c **Materials:** Bamboo, decorated with inscribed diamond and cross-hatch patterns. **Keys Holes System:** 0/5 holes. **Measurement:** 33 cm. **Provenance:** Harold Reeves, London, 3 Nov. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available

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0298	**Instrument Type:** Ryuteki (Transverse Flute) **Maker Name:** Anonymous, Japanese **Materials:** Cane, stained brown. **Keys Holes System:** 0/7 holes. **Physical Description:** Exterior recessed at each fingerhole and embouchure hole; all other exterior portions (possibly turned) decorated with tightly coiled, fine cane bark wrapping stained brown. **Measurement:** 39.5 cm. **Condition:** Small crack at top. **Provenance:** Harold Reeves, London, 3 Nov. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available
0299	**Instrument Type:** Horn **Maker Name:** Anonymous, possibly African **Materials:** Animal horn, with leather-covered gourd tied on with snakeskin and leather. **Physical Description:** See Notes. **Measurement:** 34 cm. **Notes:** This instrument is open at the small end and also perforated laterally about 4 cm. from the end with a large hole implying that it was actually a side-blown (lip reed) horn which therefore could have required the end hole to be closed. However, DCM or his source (Harold Reeves) understood the instrument to be a whistle, the end aperture therefore supposedly directing air at the lower edge of the side aperture. However, it does not function as such and, it being a tribal signal horn, is more likely a horn. **Provenance:** Harold Reeves, London, 3 Nov. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available
0300	**Instrument Type:** Vertical Whistle Flute (Duct Flute) **Maker Name:** Anonymous, South American Indian **Maker Place:** Brazil **Materials:** Unidentified bone (DCM ledger: "human tibia"), ornamented with beetle wings. **Keys Holes System:** 0/3 holes. **Measurement:** 22.1 cm. **Notes:** DCM ledger: "From the Amazon." Quoting from a letter from Harold Reeves, 29 Nov. 1922, DCM records further: "Sent to Dr. Southgate about 28 yrs ago (1894) by his son, at that time resident in Brazil." **Provenance:** Harold Reeves, London, 3 Nov. 1922. Formerly in the collection of Dr. Thomas Lea Southgate, London. Digital image available

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0301	**Instrument Type:** Flute d'amore in A **Maker Name:** Monzani **Maker Place:** London **Maker Date:** ca. 1822 **Materials:** Curly boxwood, ivory cork-setting mechanism, silver keys and fluted ferrules, metal-lined (partially) head, some key blocks metal-lined. **Keys Holes System:** 6 keys, round flat flaps, foot to C# (A#). Pin in block, some metal-lined (6 of 8) with silver. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 78.5 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** J. Clayton Boyes, Bushey, England, 16 Nov. 1922. Digital image available
0302	**Instrument Type:** Piccolo in D-flat **Maker Name:** Anonymous **Maker Date:** late 19c **Materials:** Rosewood(?), nickel silver keys and ferrules. **Keys Holes System:** 1 key, post and rod, modern key cup. **Physical Description:** 2 sections. **Measurement:** 29.2 cm. **Provenance:** Baxter-Northup Co., Los Angeles, 2 Dec. 1922. Digital image available
0303	**Instrument Type:** Flute in B-flat **Maker Name:** Firth, Son & Co. **Maker Place:** New York **Maker Date:** 1863-1867 **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, round flap, pin in block. **Physical Description:** 3 sections; head, upper body for left hand, and lower body with integral foot. **Measurement:** 35 cm. **Notes:** Band flute. **Condition:** Lower body joint crack at socket. **Provenance:** Baxter-Northup Co., Los Angeles, 2 Dec. 1922. Digital image available

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0304	**Instrument Type:** Flute in A-flat (B-flat) **Maker Name:** Anonymous **Maker Place:** London **Maker Date:** late 19c **Materials:** Cocus, nickel silver key and ferrules. **Keys Holes System:** 1 key, pin in block. **Physical Description:** 2 sections. **Measurement:** 38 cm. **Condition:** Head joint cracked at both ends. The lower end crack has been addressed with 2 extra nickel silver ferrules wedged downward to a stopping point along the taper. Original head joint cap missing, replaced by DCM(?). Wood loss (cavity) at left thumb area due to knot in wood. **Provenance:** Baxter-Northup Co., Los Angeles, 2 Dec. 1922. Digital image available
0305	**Instrument Type:** Alto Flute in G **Maker Name:** Theobald Boehm **Maker Place:** Munich **Maker Date:** 1859-1861 **Materials:** Nickel silver, wood (ebony?) embouchure plate. **Keys Holes System:** Boehm system, open G#, Schleif key. **Measurement:** 86.4 cm. **Notes:** See "Flute Misnomers" regarding Bass vs. Alto. **Provenance:** Baxter-Northup Co., Los Angeles, 13 Dec. 1922. Digital image available
0306	**Instrument Type:** Flute in C **Maker Name:** Boehm & Mendler **Maker Place:** Munich **Maker Date:** 1862-1888 **Materials:** Grenadilla, thinned, silver keys and ferrules, wood crutch. **Keys Holes System:** Boehm system, open G#, Schleif key. **Physical Description:** Thinned wood construction throughout, allowing large bore and tonehole dimensions. Thinned wood head joint with raised integral embouchure. **Measurement:** 66.5 cm. **Provenance:** Eugene Weinberger, New York, 23 Dec. 1922. Digital image available

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0307	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Ivory body, cap, and cork-setting mechanism; silver keys, ferrules (gold-plated over), tuning shaft, and gold-plated fingerhole bushings. **Keys Holes System:** 14 keys, post and rod, modern style key cups, foot to B. Including left thumb D#. Rollers on C. **Physical Description:** 3 sections, tuning slide in head. See Notes. **Measurement:** 72.9 cm. **Notes:** Head joint cap and bottom of instrument are carved. Key cups are engraved and enamelled blue in a 4-leaf clover design. C# keys also decorated and enamelled blue. Monogram currently detached from head joint (gold plate), its position being that of the wide crack in the barrel. Both gilded alignment studs missing from head joint. With original ivory bottom tenon protective cap. DCM ledger quotes letter from Weinberger: "I was told it was made on order for some member of the Imperial Family of Austria.… The golden monogram shows the initials ZI. The Hungarian name of the Count was Szechenyi Istvan, and the first initial ought to be S instead of Z." [Or, instead, Ziegler?] **Case:** Standard old system flute case, covered with red morocco leather embossed with gold, white satin and velvet. **Condition:** Fingerhole bushing for 2nd fingerhole right hand is missing, head joint cracked both portions, recently filled. **Provenance:** Eugene Weinberger, New York, 23 Dec. 1922. Digital image available
0308	**Instrument Type:** Flute in C **Maker Name:** Clement Masson **Maker Place:** La Couture **Maker Date:** 1922 **Materials:** Silver-plated. **Keys Holes System:** Boehm system, modified. Closed G#, split E, C# trill. 4 open-hole keys. "Borne-Julliot system." This instrument, Model 10, is like DCM 138, with the addition of an automatically closing (finger 3, left hand) resonance hole for tuning notes in upper 2 octaves. The instrument also has, like DCM 193, a long foot tenon and socket. **Measurement:** 67.1 cm. **Notes:** Flute made to order for the collection. **Provenance:** Clement Masson, La Couture, France, 4 Jan. 1923. Digital image available

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0309	**Instrument Type:** Flute in C **Maker Name:** Clementi & Co. **Maker Place:** London **Maker Date:** 1802-1831 **Materials:** Boxwood, ivory cap, cork-setting mechanism, and ferrules, silver keys, and brass-lined (fully) head. **Keys Holes System:** 6 keys, pewter plugs over metal-lined holes, foot to C, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.7 cm. **Condition:** Head joint, barrel section, cracked, and bottom ferrule reinforced with metal ferrule, possibly from clarinet. **Provenance:** J. Clayton Boyes, Bushey, England, 27 Jan. 1923. Digital image available
0310	**Instrument Type:** Flute in C **Maker Name:** Boosey **Maker Place:** London **Maker Date:** 1872 **Materials:** Cocus, silver-plated keys and ferrules, metal-lined sockets with metal upper tenon body joint, metal-lined head. **Keys Holes System:** R. S. Pratten's Perfected Model, 15 keys (2 open, for left hand fingers 1, 2) including left thumb alternate upper C. Cylindrical bore, old system. C foot with roller, post and rod on ribs. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 67 cm. **Case:** Original case, with name: P. G. ROSE. **Condition:** Head joint cracked full length, and filled. **Provenance:** J. Clayton Boyes, Bushey, England, 27 Jan. 1923. Digital image available
0311	**Instrument Type:** Flute in C **Maker Name:** P. Piana **Maker Place:** Milan **Maker Date:** a1811-p1842 **Materials:** Boxwood, ivory cap, animal horn ferrules, brass key, metal-lined head. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 60.4 cm. **Notes:** The instrument was at some point coated with a dark brown, nearly black, lacquer. **Condition:** Head joint cap and/or cork tuning device missing. 2 cracks in foot joint socket, both foot joint ferrules cracked and quite open. Lower body joint socket, small crack, not including ferrule. Head joint cracked, both sections. DCM ledger: "Head cracked about 4 weeks after arrival in this country." **Provenance:** G. Meriggioli, Milan, 7 Feb. 1923. Digital image available

Unit Id	*Contents*
0312	**Instrument Type:** Piccolo in C **Maker Name:** Alfredo Casoli (See Notes.) **Maker Place:** Milan **Maker Date:** c1906-p1926 **Materials:** Rosewood, silver keys and ferrules. **Keys Holes System:** 8 keys plus 6 covered keys for the principal rank. Post and rod on ribs. High D/E trill. See Notes. **Physical Description:** 2 sections. **Measurement:** 31.65 cm. **Notes:** DCM ledger: "...all holes covered. Old System of fingering, but keys very cleverly constructed in almost perfect imitation of Boehm System." Miller bought the instrument in 1923 from Prof. Glanco Meriggioli of Milan. An April 22, 1922 letter to Miller from Meriggioli lists a number of instruments available for sale including what may be DCM 312, i.e., "A piccolo in ebony, Albert system tube and wholes [sic], but Boehm System keys, with case." If this instrument became DCM 312, it arrived without the case. More accurately described, this may be considered an 8-keyed or 14-keyed piccolo, six of the fourteen being key plates covering the 6 principal rank fingerholes. Most of the keywork is mounted on ribs in two extended paralled rod systems looking not unlike a Boehm or other modern system piccolo mechanism. The 8 keys include the normal 6-keyed system with 2 upper trill keys for the 1st finger RH. Miller further remarks: "Casoli runs a 'Music Store', is not a real maker, made by Rampone & Reni, May 1923." However, Langwill lists flutist (Alfredo) Casoli as an active maker, ca. 1906-1926, formerly in partnership with Barlassina. **Provenance:** G. Meriggioli, Milan, 7 Feb. 1923. Digital image available
0313	**Instrument Type:** Flute in C **Maker Name:** Thibouville-Cabart **Maker Place:** Paris **Maker Date:** a1875 **Materials:** Grenadilla, nickel silver keys, ferrules and ribs, metal-lined sockets and head joint (partial tenon). **Keys Holes System:** Boehm system, conical, Briccialdi thumb keys. Foot to C, with roller. Closed G#. **Physical Description:** 3 sections. **Measurement:** 67.7 cm. **Condition:** Head joint cracked at socket. DCM ledger: "Broken cap." **Provenance:** G. Meriggioli, Milan, 7 Feb. 1923. Digital image available

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0314	**Instrument Type:** Flute in E-flat **Maker Name:** Emilio Piana **Maker Place:** Florence **Maker Date:** last quarter 19c **Materials:** Nickel silver. **Keys Holes System:** Cylindrical bore, old system, down to C (E-flat), see DCM 178 for description. The RH 1st finger upper C (E-flat) key tonehole is unusually small and has been moved further up the tube, apparently to make room for the left thumb. **Physical Description:** 2 sections. **Measurement:** 54.65 cm. **Condition:** Tube dented under F key upper post. **Provenance:** G. Meriggioli, Milan, 7 Feb. 1923. Digital image available
0315	**Instrument Type:** Flute in C **Maker Name:** [Giosue Esposito(?)] **Maker Place:** [Naples] **Maker Date:** [late 19c] **Materials:** Varnished wood, nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 5 keys, see DCM 260. DCM ledger: "Neapolitan Model Flute…. Special system. Old system." **Physical Description:** 3 sections, tuning slide in head (lower body and foot are one piece). **Measurement:** 66.8 cm. **Notes:** In a 7 Jan. 1923 letter from Meriggioli to DCM: "Ebony flute, Napolitan [sic] model...the maker that use[d] to make this sort of flute was 'Esposito' of Naple[s]." **Condition:** Head cracked (DCM ledger: "within three weeks"), filled. **Provenance:** G. Meriggioli, Milan, 7 Feb. 1923. Digital image available
0316	**Instrument Type:** Flute in C **Maker Name:** Jabez McCall Camp **Maker Place:** Litchfield **Maker Date:** 1837-1841 **Materials:** Boxwood, silver keys, ivory ferrules. **Keys Holes System:** 4 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 60.2 cm. **Notes:** The head joint is missing its ivory end cap, and the present cork indicates that it included a threaded cork-setting mechanism. The head joint is entirely metal-lined, including a tuning slide. **Condition:** In addition to the missing head joint cap, both sections of the head are cracked, including a short crack starting at the embouchure hole running perpendicular to the grain, including the bottom ferrule, and the center ferrule is missing and replaced with a metal band. The body is slightly warped. Foot joint bottom ferrule is missing. **Provenance:** R. E. Williams, New York, 7 Feb. 1923. Digital image available

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0317	**Instrument Type:** Flute in C **Maker Name:** Louis Drouet **Maker Place:** London **Maker Date:** 1818 **Materials:** Ivory, silver keys and ferrules (milled center ferrule), decorative knurling. **Keys Holes System:** 8 keys, round flat flaps, pin in block, to low C. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.1 cm. (without cap) **Notes:** Elements of the cap are not original (cap cracked in shipment). **Condition:** Crack lower portion of head joint. **Provenance:** J. Clayton Boyes, Bushey, England, 10 Mar. 1923. Digital image available
0318	**Instrument Type:** Thith(?) **Maker Name:** Anonymous **Maker Place:** Australia, Pacific Ocean **Materials:** Bamboo incised with zigzag lines and wound with snakeskin in 3 places. **Keys Holes System:** 1 hole (nose or mouth). **Measurement:** 95.8 cm. **Notes:** Possibly a Thith, although not curved. **Condition:** Cracked nearly 2/3 of its length and broken approximately halfway from top to bottom. Originally wound with snakeskin in 5 places, 2 of which may be missing from broken area. **Provenance:** George R. Moore, Jamesville, Wisconsin, 20 Mar. 1923. Digital image available
0319	**Instrument Type:** Vertical Whistle **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Bone, with rawhide and thread wrapping, plus 2 rawhide thongs decorated with colored red and green porcupine quill. **Measurement:** 19.75 cm. **Notes:** DCM ledger: "Sioux Tribe." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 12 April 1923. Digital image available

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0320	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** 1883 **Materials:** Ebonite, silver-plated embouchure plate affixed with silver-plated straps, silver-plated cap, keys, and ferrules. Metal-lined thinned head. **Keys Holes System:** Modified 1851 system, cylindrical bore, Christopher Welch's model of which he states: On this flute there are very great facilities for fingering, and 2 new and important shakes in the high octave; at the same time the fingering of the old flute is retained for all the notes except one (C natural). Moreoever, by the introduction of a piece of new mechanism, each of the upper notes from D to G, both inclusive, is made with only one, and that in every case the correct vent-hol□&. (Welch, "History of the Boehm Flute," p. 12n.). Foot to C, with roller. **Physical Description:** 3 sections. **Measurement:** 67 cm. **Notes:** The embouchure plate just beneath the embouchure hole has an oval-shaped recessed area terminating at the bottom in an oval. According to a letter from Finn to DCM, 22 Feb. 1923, this flute "was made by one of the best of R. C. & Co's workmen the late - Collins. A Morocco case goes with it." **Provenance:** John Finn, Essex, England, 26 Apr. 1923. Digital image available
0321	**Instrument Type:** Flute in E-flat **Maker Name:** Henry Potter **Maker Place:** London **Maker Date:** 1858-ca. 1895 **Materials:** Grenadilla, nickel silver keys and ferrules. **Keys Holes System:** 6 keys, post and rod, modern style key cups, direct mount. Foot to D. **Physical Description:** 2 sections. **Measurement:** 49.85 cm. **Notes:** High pitch. **Condition:** End cap partly broken away and missing. C key finger lever appears to be a replacement. **Provenance:** Edward Entwistle, Plainville, Massachusetts, 26 Apr. 1923. Digital image available

Unit Id	*Contents*
0322	**Instrument Type:** Flute in C (Two joints only) **Maker Name:** Metzler & Co. (See Notes.) **Maker Place:** London **Maker Date:** 19c **Materials:** Ivory, ivory cap, silver keys and ferrules, metal-lined head. **Keys Holes System:** Likely originally a 6- or 8-keyed instrument, possibly 7 keys if without long F. Saltspoon, pin in block. **Physical Description:** Head and upper body joint with tuning slide, missing lower body and foot, corps de rechange. **Measurement:** 41.4 cm. (as is) **Notes:** John Townsend, Manchester, 1819-1869. Langwill lists as dealer. Head joint barrel section contains 3 grooves turned in internal sleeve as tuning guides and numbered 4, 5, 6. The instrument therefore should have had at least 3 upper joints so numbered, although the one remaining upper joint contains no number. **Condition:** Head joint, both sections, cracked, as is seam of brass lining. **Provenance:** W. Powell, Birmingham, England, 26 Apr. 1923. Digital image available
0323	**Instrument Type:** Flute in C **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** 1847-1850 **Materials:** Rosewood, silver-plated keys, ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, pewter plugs over round plates for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65. 7 cm. **Notes:** Pre-cross pinned at B-flat/G# and E-flat key blocks. G# key lengthened with portion from another flute key (likely long F from similar English instrument). **Condition:** Head joint, both sections, cracked and filled. **Provenance:** J. Clayton Boyes, Bushey, England, 26 Apr. 1923. Digital image available
0324	**Instrument Type:** Flute in C **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** 1838-1847 **Materials:** Boxwood, ivory cap and ferrules, nickel silver lip plate and keys, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, pewter plugs over metal-lined holes for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66 cm. **Condition:** Head joint, both sections, cracked and filled. **Provenance:** J. Clayton Boyes, Bushey, England, 26 Apr. 1923. Digital image available

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0325	**Instrument Type:** Tenor Recorder in (B-flat?) See Notes. **Maker Name:** Anonymous **Materials:** Boxwood, stained brown, brass key, ivory ferrules. **Keys Holes System:** 1/7 holes (7th hole covered with key), round flap, pin in block. **Physical Description:** 3 sections. **Measurement:** 71 cm. **Notes:** Tenor recorder in Baroque or pseudo-Baroque style, date of instrument is not known. Portions of it (2 of the ivory ferrules) appearing quite old, with other aspects of the instrument leading one to believe it may be a replica. The one key on the foot joint has a double touch piece for right or left hand usage, although not well-fitted. Furthermore, on the open-standing key on the foot joint, the upper fulcrum key block is unnecessarily deep-cut so as to create a lateral opening (and consequently a leak) into the foot joint socket. As is, this instrument seems to be in B-flat at modern pitch, and therefore could be a tenor in that key as such. However, it could also be in A at high pitch, or in C at very low baroque pitch. **Provenance:** Sumner Healey, New York, 25 Apr. 1923. Formerly in the Tolbecque collection. This probably refers to the collection of Auguste Tolbecque, 1830-1919, Niort, France. Tolbecque was a composer, stringed instrument maker, cellist, and collector of musical instruments. In 1879, the Belgian government purchased many instruments from the Tolbecque collection for the Brussels Conservatory. This instrument probably comes from a second collection of instruments which was dispersed in 1922 along with Tolbecque's library. Biographical information on Tolbecque per Elisabeth Bernard, “Auguste Tolbecque,” The New Grove Dictionary of Music Online ed. L. Macy (Accessed 29 April 2003), <http://www.grovemusic.com> Digital image available
0326	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Hotteterre **Maker Place:** La Couture **Maker Date:** turn of 18c **Materials:** Boxwood, stained reddish brown, ivory beak and ferrules. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 52.5 cm. **Notes:** Body joint possibly shortened at lower (end) or both ends. **Condition:** Head joint edge damaged, partly missing, but still working. DCM ledger: "Broken clear in two, the 3rd hole from top, and splintered. Had been repaired." Body joint cracked and broken, restored with modern adhesive filler, likely Seyfrit. Foot joint bottom ferrule cracked both radially and circumferentially. **Provenance:** Sumner Healey, New York, 25 Apr. 1923. Formerly in the Tolbecque collection. This probably refers to the collection of Auguste Tolbecque, 1830-1919, Niort, France. Tolbecque was a composer, stringed instrument maker, cellist, and collector of musical instruments. In 1879, the Belgian government purchased many instruments from the Tolbecque collection for the Brussels Conservatory. This instrument probably comes from a second collection of instruments which was dispersed in 1922 along with Tolbecque's library. Biographical information on Tolbecque per Elisabeth Bernard, “Auguste Tolbecque,” The New Grove Dictionary of Music Online ed. L. Macy (Accessed 29 April 2003), <http://www.grovemusic.com> Digital image available

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0327	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Joannes Panormo **Maker Place:** Naples **Maker Date:** Second half 18c **Materials:** Ivory, wood fipple. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 48.8 cm. **Notes:** Standard treble (alto) recorder with a slight indentation at the thumbholes either intentional or from wear. **Condition:** Head joint severely cracked into 3 pieces with other cracks and losses. **Provenance:** Sumner Healey, New York, 25 Apr. 1923. Formerly in the Tolbecque collection. This probably refers to the collection of Auguste Tolbecque, 1830-1919, Niort, France. Tolbecque was a composer, stringed instrument maker, cellist, and collector of musical instruments. In 1879, the Belgian government purchased many instruments from the Tolbecque collection for the Brussels Conservatory. This instrument probably comes from a second collection of instruments which was dispersed in 1922 along with Tolbecque's library. Biographical information on Tolbecque per Elisabeth Bernard, “Auguste Tolbecque,” The New Grove Dictionary of Music Online ed. L. Macy (Accessed 29 April 2003), <http://www.grovemusic.com> Digital image available
0328	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Franz Simon Schuechbaur **Maker Place:** Munich **Maker Date:** p1692-1743 **Materials:** Ivory. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 44.5 cm. **Notes:** In the usual 3 joints, head, body, foot, except that the sections are joined with machine threads; 2 for head joint, 3 for foot joint, similar to DCM 945 (see detail photograph). **Condition:** Minor shrinkage at each mechanical joint. Foot joint center section bead just below upper thread chipped and missing about 170 degrees in circumference. Lower thread same section chipped. Missing portions but still functional. **Provenance:** Sumner Healey, New York, 25 Apr. 1923. Formerly in the Tolbecque collection. This probably refers to the collection of Auguste Tolbecque, 1830-1919, Niort, France. Tolbecque was a composer, stringed instrument maker, cellist, and collector of musical instruments. In 1879, the Belgian government purchased many instruments from the Tolbecque collection for the Brussels Conservatory. This instrument probably comes from a second collection of instruments which was dispersed in 1922 along with Tolbecque's library. Biographical information on Tolbecque per Elisabeth Bernard, “Auguste Tolbecque,” The New Grove Dictionary of Music Online ed. L. Macy (Accessed 29 April 2003), <http://www.grovemusic.com> Digital image available

Unit Id	*Contents*
0329	**Instrument Type:** Sopranino Recorder in F [Stolen] **Maker Name:** Anonymous **Maker Date:** turn of 18c **Materials:** Ivory. **Keys Holes System:** 1/7 holes. 7th hole drilled twice for right or left hand players, the unused hole is plugged. **Physical Description:** 2 sections. **Measurement:** 26.3 cm. **Notes:** Two flutes were stolen from the Library of Congress a number of years ago and are likely in Europe. They are DCM 329 and DCM 1259. This is a photograph of DCM 329. The digital image shown here was taken from an original photographic print made by Miller. You are encouraged to be watchful for this instrument and to report any relevant information to the Library of Congress. Contact the Music Division at cwar@loc.gov. The instrument is unique and can be easily identified by photographs in the files of the Library and the FBI. **Provenance:** Sumner Healey, New York, 25 Apr. 1923. Formerly in the Tolbecque collection. This probably refers to the collection of Auguste Tolbecque, 1830-1919, Niort, France. Tolbecque was a composer, stringed instrument maker, cellist, and collector of musical instruments. In 1879, the Belgian government purchased many instruments from the Tolbecque collection for the Brussels Conservatory. This instrument probably comes from a second collection of instruments which was dispersed in 1922 along with Tolbecque's library. Biographical information on Tolbecque per Elisabeth Bernard, “Auguste Tolbecque,” The New Grove Dictionary of Music Online ed. L. Macy (Accessed 29 April 2003), <http://www.grovemusic.com> Digital image available
0330	**Instrument Type:** Flute in C **Maker Name:** Scherer **Maker Place:** Butzbach **Maker Date:** a1711-p1778 **Materials:** Ivory, silver key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 62.25 cm. **Condition:** Head joint upper end has crack approximately 2 cm. in length. An early repair attempt involved cutting away approximately 2 mm. of material down to a shoulder at 18.5 mm. from the end and then turning a new ivory, possibly bone, tube to fill that area. The end cap may be original or may likely pertain to the repair treatment. **Provenance:** Sumner Healey, New York, 25 Apr. 1923. Formerly in the Tolbecque collection. This probably refers to the collection of Auguste Tolbecque, 1830-1919, Niort, France. Tolbecque was a composer, stringed instrument maker, cellist, and collector of musical instruments. In 1879, the Belgian government purchased many instruments from the Tolbecque collection for the Brussels Conservatory. This instrument probably comes from a second collection of instruments which was dispersed in 1922 along with Tolbecque's library. Biographical information on Tolbecque per Elisabeth Bernard, “Auguste Tolbecque,” The New Grove Dictionary of Music Online ed. L. Macy (Accessed 29 April 2003), <http://www.grovemusic.com> Digital image available

Unit Id	*Contents*
0331	**Instrument Type:** Flute in C **Maker Name:** Potter **Maker Place:** London **Maker Date:** c1745-1823 **Materials:** Ivory. Gold-plated silver keys and ferrules, engraved or chased. **Keys Holes System:** 6 keys, foot to C, brass-lined pin in block. Pre-pinned (steel) at E-flat, C#, C on foot joint. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.5 cm. **Condition:** Head joint, both sections, cracked and formerly filled. Cracks in foot. **Provenance:** Sumner Healey, New York, 25 Apr. 1923. Digital image available
0332	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Materials:** White porcelain, painted black and gilt under glaze. **Keys Holes System:** 0/6 holes, cylindrical bore. **Physical Description:** 1 piece. **Measurement:** 31.05 cm. **Notes:** Trade name, if any, unknown. **Provenance:** Sumner Healey, New York, 25 Apr. 1923. Formerly in the Tolbecque collection. This probably refers to the collection of Auguste Tolbecque, 1830-1919, Niort, France. Tolbecque was a composer, stringed instrument maker, cellist, and collector of musical instruments. In 1879, the Belgian government purchased many instruments from the Tolbecque collection for the Brussels Conservatory. This instrument probably comes from a second collection of instruments which was dispersed in 1922 along with Tolbecque's library. Biographical information on Tolbecque per Elisabeth Bernard, “Auguste Tolbecque,” The New Grove Dictionary of Music Online ed. L. Macy (Accessed 29 April 2003), <http://www.grovemusic.com> Digital image available
0333	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous **Materials:** White porcelain, painted black and gilt under glaze. **Keys Holes System:** 0/6 holes, cylindrical bore. **Physical Description:** 1 piece. **Measurement:** 32 cm. **Condition:** Completely broken apart at first fingerhole, later repaired. **Provenance:** Sumner Healey, New York, 25 Apr. 1923. Formerly in the Tolbecque collection. This probably refers to the collection of Auguste Tolbecque, 1830-1919, Niort, France. Tolbecque was a composer, stringed instrument maker, cellist, and collector of musical instruments. In 1879, the Belgian government purchased many instruments from the Tolbecque collection for the Brussels Conservatory. This instrument probably comes from a second collection of instruments which was dispersed in 1922 along with Tolbecque's library. Biographical information on Tolbecque per Elisabeth Bernard, “Auguste Tolbecque,” The New Grove Dictionary of Music Online ed. L. Macy (Accessed 29 April 2003), <http://www.grovemusic.com> Digital image available

Unit Id	*Contents*
0334	**Instrument Type:** French Flageolet **Maker Name:** Jean Baptiste Martin **Maker Place:** La Couture **Maker Date:** late 18c **Materials:** Boxwood. **Keys Holes System:** 2/4 holes. **Physical Description:** 2 sections. **Measurement:** 22.3 cm. **Provenance:** Sumner Healey, New York, 25 Apr. 1923. Formerly in the Tolbecque collection. This probably refers to the collection of Auguste Tolbecque, 1830-1919, Niort, France. Tolbecque was a composer, stringed instrument maker, cellist, and collector of musical instruments. In 1879, the Belgian government purchased many instruments from the Tolbecque collection for the Brussels Conservatory. This instrument probably comes from a second collection of instruments which was dispersed in 1922 along with Tolbecque's library. Biographical information on Tolbecque per Elisabeth Bernard, “Auguste Tolbecque,” The New Grove Dictionary of Music Online ed. L. Macy (Accessed 29 April 2003), <http://www.grovemusic.com> Digital image available
0335	**Instrument Type:** Triple Flageolet **Maker Name:** Hippolyte Collin **Maker Place:** Paris **Maker Date:** c1780-p1836 **Materials:** Boxwood. **Keys Holes System:** 2/4 holes (center pipe). **Physical Description:** A type of triple flageolet having 3 parallel fipple flutes sharing a common rectangular stock and mouthpiece. See Notes. **Measurement:** 37.7 cm. **Notes:** The center pipe is a standard 6-hole French flageolet, the right pipe is a drone with no lateral holes, and the left pipe is also a kind of drone having one fingerhole which may have been operated by a key, now missing. The 3 pipes are kept in alignment at the bottom via a thrice-bored wooden cross bracket. Beneath that, the center pipe terminates in a decorative added bell. **Condition:** Stock cracked in 6 places, having been earlier repaired. **Provenance:** Sumner Healey, New York, 25 Apr. 1923. Digital image available
0336	**Instrument Type:** End-blown Flute **Maker Name:** Anonymous **Maker Place:** Corinth, Greece **Materials:** Bamboo, with bark removed in random places in addition to the area of the toneholes, bound with iron wire at the bottom. **Keys Holes System:** 1/6 holes. **Measurement:** 31.15 cm. **Notes:** Perforated septum between holes 6 and end of instrument. **Provenance:** John Davis Batchelder, Washington, D.C., 22 Apr. 1923. Batchelder claimed having seen this played by a Greek boy at the Acropolis. Digital image available

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0337	**Instrument Type:** Flute in C **Maker Name:** William Henry Potter **Maker Place:** London **Maker Date:** 1806-1814 **Materials:** Boxwood, silver keys, ivory ferrules and cork-setting mechanism, metal-lined head. **Keys Holes System:** 6 keys, pewter plug over metal-lined holes, foot to C. Pin in block. **Physical Description:** 5 sections. **Measurement:** 66.65 cm. **Notes:** This instrument probably had 3 corps de rechange. **Condition:** Head joint, both sections, cracked including upper section ferrule, showing old repair. **Provenance:** William Powell, Birmingham, England, 17 May 1923. Digital image available
0338	**Instrument Type:** Flute in C **Maker Name:** George French **Maker Place:** London **Maker Date:** 1840-1855 **Materials:** Figured boxwood, rosewood(?) cap and cork-setting mechanism, nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon except low C#, C. To low C, pewter plug over square metal plates for C#, C. Pin in block. **Physical Description:** 5 sections. **Measurement:** 64.5 cm. **Notes:** Cap possibly not original. Large embouchure and toneholes, but not quite Nicholson model. The B-flat, G#, short F keys have, in addition to flat springs riveted to the finger lever, an opposing upward pressure flat spring screwed into the key track. **Condition:** Head joint upper section has an unusual serpentine crack which wanders with and both cross grain, and shows an early repair (filling) attempt. Lower body joint crack at socket. **Provenance:** William Powell, Birmingham, England, 17 May 1923. Digital image available

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0339	**Instrument Type:** Combination Flute-Flageolet **Maker Name:** William Bainbridge **Maker Place:** London **Maker Date:** 1821-1831 **Materials:** Boxwood, ivory cap and ferrules, silver keys. **Keys Holes System:** 6 keys, square flap (with chamfered corners!), pin in block. **Physical Description:** 5 sections, flageolet head joint in one piece. See Notes. **Measurement:** 65.2 cm. (flageolet); 65.85 cm. (flute) **Notes:** Lower body marked: BAINBRIDGE / LONDON / PATENT Foot: PATENT. When received by DCM, it was "covered with thick dark brown varnish, and there were two added keys, one for high C, and one for closing the third hole from top; also there was an extension to the G# key. Removed varnish and keys; made new ivory beak, one ivory ring, and ivory cap for flute head, and plugged screw holes." If the components that Miller removed were original, and that is doubtful, this was an unusual version of the standard English flute-flageolet. Both the third and sixth fingerholes have been refaced with a rim to serve as a key pad seat, and the added upper C key tonehole has been treated the same way. All three appear to have been done by hand without a special drilling jig for that purpose. **Condition:** See Notes. **Provenance:** William Powell, Birmingham, England, 17 May 1923. Digital image available
0340	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** ca. 1913-1914 **Materials:** Cocus, nickel silver keys, ribs, ferrules, and metal-lined head. **Keys Holes System:** Carte's 1867 cylindrical bore flute with thinned wall head joint, metal-lined, incorporating integral raised embouchure plate. Foot to C, open G#, roller for low C. Lined sockets. See DCM 14, 194 for further description. **Physical Description:** 3 sections. **Measurement:** 65.3 cm. **Condition:** Head joint, 2 cracks, formerly filled. Small crack at foot joint socket. **Provenance:** Louis Rossi, New York, 31 May 1923. Digital image available
0341	**Instrument Type:** Piccolo in C **Maker Name:** Lefevre **Maker Place:** Paris **Maker Date:** 1812-p1911 **Materials:** Cocus, wood cork-setting mechanism, nickel silver keys and ferrules, metal-lined head joint socket (partial) and tenon on body. **Keys Holes System:** 6 keys, post and rod, modern style key cups. **Physical Description:** 2 sections. **Measurement:** 32.55 cm. **Condition:** Head joint cracked. **Provenance:** William Powell, Birmingham, England, 15 June 1923. Digital image available

Unit Id	*Contents*
0342	**Instrument Type:** Flute in C **Maker Name:** Clinton & Co. **Maker Place:** London **Maker Date:** c1855-1871 **Materials:** Cocus, nickel silver keys and ferrules. **Keys Holes System:** 8 keys plus 2 finger rings. Metal plugs over metal-lined toneholes for low C#, C; all other keys modern style key cups. Early version of Equisonant model incorporating large toneholes and more proper venting like the Boehm design. The two finger rings operate automatic C# vent hole. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 64.9 cm. **Condition:** Crack in upper section, formerly filled with cocus wood shims. G# and F key blocks missing broken portions. **Provenance:** William Powell, Birmingham, England, 15 June 1923. Digital image available
0343	**Instrument Type:** Flute in C **Maker Name:** James Wood **Maker Place:** London **Maker Date:** c1799-1832 **Materials:** Ebony, ivory cork-setting mechanism, silver keys and embossed ferrules. **Keys Holes System:** 8 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide (with rings, inner and outer) in head. **Measurement:** 66.95 cm. **Notes:** Engraved on head joint ferrule: A. Ashe (cursive) // OPERA // LONDON (cursive) // 1804. DCM ledger: "Tuning slide with inner and outer silver tubes; marked with four pitch rings, with corresponding rings on the silver tip of the cork. Inlaid silver dots at joints to line up with dots on ferrules. The pitch rings and aligning dots constitute the patent of 1814." The "1804" seems confusing in that, according to Miller, the patent was issued in 1814. The "1804" may refer to Ashe's career at the Opera or to some aspect of his career at the Opera. **Condition:** Cracks in head joint. Crack at upper socket, upper joint. **Provenance:** William Powell, Birmingham, England, 15 June 1923.
0344	**Instrument Type:** Piccolo in C **Maker Name:** [Attributed to Boehm & Mendler] **Maker Place:** [Munich] **Maker Date:** [1862-1881] **Materials:** Cocus, silver keys. **Keys Holes System:** Boehm system, cylindrical, open G#. **Physical Description:** 2 sections. **Measurement:** 31.35 cm. **Notes:** Head joint carries the tenon. DCM ledger: "Original blow-hole has been filled, and a new hole for sharper pitch has been cut." **Provenance:** Anthony Wehner, Reading, Pennsylvania, 22 June 1923. Digital image available

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0345	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Bone. **Measurement:** 21.1 cm. **Notes:** DCM ledger: "Sioux Tribe." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 22 June 1923. Digital image available
0346	**Instrument Type:** Flute in B-flat (A-flat) **Maker Name:** Meacham **Maker Place:** Albany **Maker Date:** 1810-1832 **Materials:** Boxwood, ivory cap and ferrules, brass key. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 3 sections, lower body and foot are one piece. **Measurement:** 35.4 cm. **Condition:** DCM replaced cap and bottom ferrule. **Provenance:** John J. Bowman, Lancaster, Pennsylvania, 25 June 1923. Digital image available
0347	**Instrument Type:** Flute in C **Maker Name:** Louis Drouet **Maker Place:** London **Maker Date:** 1818 **Materials:** Ebony, silver keys, ivory ferrules, brass-lined head. **Keys Holes System:** 6 keys, foot to low C, saltspoon, pin in block. Foot joint includes typical Drouet C#, C keys, with pad cups mounted perpendicular to the bore. **Physical Description:** 4 sections, tuning slide in head (fully lined). **Measurement:** 67.1 cm. **Condition:** Head joint, both sections, cracked and showing old repairs including one ivory ferrule cracked in 3 places, repaired with a silver strap and brass pins. Both ends of the barrel have additional metal ferrules, possibly clarinet parts. Low C key finger lever is bent upward nearly 1 cm. **Provenance:** J. Clayton Boyes, Bushey, England, 26 June 1923. Digital image available

Unit Id	*Contents*
0348	**Instrument Type:** Flute in C **Maker Name:** Johann Benjamin Eisenbrandt **Maker Place:** Göttingen **Maker Date:** 1785-1822 **Materials:** Ivory, with silver or silver-plated keys and nickel silver ferrules (none of which appears to be original), metal-lined head. **Keys Holes System:** 3 or 4 keys, square flat and hemispherical (saltspoon) flaps. **Physical Description:** 4 sections, tuning slide in head, with 2 corps de rechange. **Measurement:** 61.6 cm.; 62.2 cm.; 63.15 cm. **Notes:** DCM ledger: "This flute seems to have been rebuilt. The lined head joint with tuning slide, is all new excepting the ivory cap. It bears no name. All other pieces are marked. Middle joints nos. 1 and 2 (lower pitches) have no key. No. 3 has one silver key for B-flat. Lower middle joint has keys for G# and short F. The short foot joint has key for D#. All keys are hemispherical cup, and are on posts. The original flute had only the one key for D#, and this was a square flat flapped key, mounted in the ivory ring. The silver ferrules are probably new, also." Miller implies that the ivory cap and cork-setting mechanism is original. It is typical of instruments of this period, but not necessarily original to the extant portions of this flute. The present D# key may in fact be the 3rd such key applied, the original flat key channel having been narrowed with ivory shims to receive a replacement key more narrow at that point but still applied with pin in block. The instrument may have received a square flat pin in block mounted G# key prior to the present one of post and rod construction. **Condition:** Head joint not original, both sections cracked. Upper joint no. 3 is missing a chip from the upper tenon. Upper joint no. 2 is cracked at both ends. No. 1 lower tenon is cracked, upper tenon broken off and missing. **Provenance:** G. Theimann, London, 13 July 1923. Digital image available
0349	**Instrument Type:** Piccolo in E-flat **Maker Name:** Anonymous, Continental European(?) **Maker Date:** 19c **Materials:** Cocus, cocus and ivory cork-setting mechanism, nickel silver keys and ferrules. **Keys Holes System:** 4 keys, saltspoon, post and rod, direct mount. Long F only. **Physical Description:** 2 sections, tuning slide in metal-lined head. **Measurement:** 25.7 cm. **Provenance:** Earl Stumpf, Tampa, Florida, 22 July 1923. Digital image available
0350	**Instrument Type:** Flute in C **Maker Name:** Astor **Maker Place:** London **Maker Date:** c1778-c1831 **Materials:** Boxwood, ivory cap and ferrules, silver key. **Keys Holes System:** 1 key, square flat flap. **Physical Description:** 4 sections. **Measurement:** 59.4 cm. **Provenance:** William R. Gibbs, Boston, 1 Aug. 1923. Digital image available

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0351	**Instrument Type:** Flute in C **Maker Name:** James Wood **Maker Place:** London **Maker Date:** 1821-1832 **Materials:** Ebony, silver-plated brass lip plate (not original), silver cap, keys, ferrules. Silver upper joint upper tenon, head joint socket, and inner tube. **Keys Holes System:** 8 keys, saltspoon. **Physical Description:** 4 sections. **Measurement:** 66.7 cm. **Notes:** DCM ledger: "Tuning slide combined with regular joint; outer and inner tube; slide marked with 5 tuning rings." Tenon on upper joint upper socket is longer than normal for overall tuning and adjustment. **Condition:** Head joint and upper body partially cracked. **Provenance:** J. Clayton Boyes, Bushey, England, Aug. 1923. Digital image available
0352	**Instrument Type:** Flute in C **Maker Name:** Clementi & Co. **Maker Place:** London **Maker Date:** 1802-1831 **Materials:** Cocus, nickel silver keys and ferrules, metal-lined head, nickel silver band near embouchure. **Keys Holes System:** 8 keys, saltspoon, pewter plugs over rectangular metal plates for C# and C, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.55 cm. **Condition:** Two wood chips missing from head joint cap. Head joint, both sections, cracked. Short F key and part of its block missing. **Provenance:** J. Koenigsberg, New York, Aug. 1923. Digital image available

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0353	**Instrument Type:** Flute in C **Maker Name:** John Pask **Maker Place:** London **Maker Date:** 1842-1847 **Materials:** Cocus, ivory cork-setting mechanism, mother-of-pearl bushing at embouchure, silver cap, lip plate, keys, ferrules, inlaid silver rings at fingerholes. **Keys Holes System:** 9 keys to low C, saltspoon, pewter plugs over square metal plates for low C#, and C (with rollers, also on long F). Pin in silver-lined blocks. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.8 cm. **Notes:** Mark on foot: PASK / LONDON. / PATENT. Keys, ferrules, lip plate highly engraved, including embossed bead element at each ferrule. Mother-of-pearl bushing at embouchure possibly not original (embouchure hole is unusually large). DCM ledger: "Extra large fingerholes, Nicholson style. Most beautiful specimen of ordinary system in Collection." Miller believed it to be the late property of a Royal person. **Condition:** Head joint, both sections, cracked. Missing ferrule. **Provenance:** J. Clayton Boyes, Bushey, England, 4 Sept. 1923. Digital image available
0354	**Instrument Type:** Flute in C **Maker Name:** Stengel **Maker Place:** Bayreuth **Maker Date:** 1805-1902 **Materials:** Boxwood, ivory cap and ferrules, brass keys. **Keys Holes System:** 10 keys, post and rod with modern style key cups, high D trill, foot to B. Double rollers on F, C#, C. **Physical Description:** 3 sections, tuning slide in head, no separate foot joint. **Measurement:** 70.3 cm. **Condition:** Head joint, both sections, cracked. Chip on upper body. **Provenance:** G. Meriggioli, Milan, 29 Sept. 1923. Digital image available
0355	**Instrument Type:** Piccolo in E-flat **Maker Name:** Anonymous **Maker Date:** late 19c **Materials:** Cocus, stained dark brown, nearly black, nickel silver keys and ferrules. **Keys Holes System:** 6 keys, post and rod, direct mount. **Physical Description:** 2 sections, tuning slide in metal-lined head. **Measurement:** 26.4 cm. **Notes:** Bottom ferrule appears to be a silver replacement. **Condition:** Head joint, upper section, cracked. **Provenance:** G. Meriggioli, Milan, 29 Sept. 1923. Digital image available

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0356	**Instrument Type:** Piccolo in E-flat **Maker Name:** I. Ziegler **Maker Place:** Vienna **Maker Date:** 1821-1850/51 **Materials:** Cocus, nickel silver keys, ferrules, alignment dots, animal horn ferrule. **Keys Holes System:** 4 keys (long F only), round flat flaps, post and rod, direct mount. **Physical Description:** 2 sections. **Measurement:** 23.65 cm. **Notes:** The bottom ferrule positioned about 5 mm. from the end is deep set in a groove which was achieved by cutting a shoulder and tenon to receive first the ferrule and followed by a second ferrule of animal horn glued into position to appear like the wood of the instrument. **Condition:** Crack on outer animal horn ferrule. **Provenance:** G. Meriggioli, Milan, 29 Sept. 1923. Digital image available
0357	**Instrument Type:** Shakuhachi (Notched Flute) **Maker Name:** Anonymous **Materials:** Bamboo, lacquered red inside, horn uta guchi. **Keys Holes System:** 1/4 holes. Kinko style. **Physical Description:** 1 piece. **Measurement:** 43.2 cm.; Yonsun 1.4 **Provenance:** Henry H. Honnami, of Aoki Taisei-Do (Japanese store, sometimes recorded in DCM ledger as Aoki), San Francisco, Dec. 1921. Digital image available
0358	**Instrument Type:** Shakuhachi (Notched Flute) **Maker Name:** Anonymous **Materials:** Bamboo, lacquered red inside, horn uta-guchi. **Keys Holes System:** 1/4 holes. Kinko style. **Physical Description:** 1 piece. **Measurement:** 50.5 cm.; Rokusun 1.6 **Notes:** Pitched at E. **Provenance:** Aoki Taisei-Do (Japanese store, sometimes recorded in DCM ledger as Aoki), San Francisco, 21 Sept. 1923. Digital image available
0359	**Instrument Type:** Shakuhachi (Notched Flute) **Maker Name:** Anonymous **Materials:** Bamboo, lacquered red inside, horn uta-guchi. **Keys Holes System:** 1/4 holes. Kinko style. **Physical Description:** 1 piece. **Measurement:** 42.6 cm.; Yonsun 1.4 **Notes:** G-flat pitch. **Condition:** Surface crack at upper end. **Provenance:** Hakabun-Do (Japanese book store), Los Angeles, 13 Sept. 1923. Digital image available

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0360	**Instrument Type:** Ocarina **Maker Name:** Anonymous **Materials:** White porcelain, glazed inside, with blue leaf and floral design on outside, under glaze. **Keys Holes System:** 2/8 holes. **Measurement:** 15.6 cm. x 3 cm. **Notes:** Possibly in G. **Provenance:** Baxter-Northup Co., Los Angeles, Sept. 1923. Digital image available
0361	**Instrument Type:** Flute Flageolet **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Grenadilla(?), nickel silver keys and ferrules. **Keys Holes System:** 6 keys, post and rod, modern style key cups. **Physical Description:** 3 sections. **Measurement:** 58.9 cm. **Notes:** Appears to be a combination flute/flageolet (interchangeable head joints with transverse head joint missing), however, according to DCM ledger: "flute body of ordinary type with a special flageolet-head made to special order." **Provenance:** Baxter-Northup Co., Los Angeles, 20 Sept. 1923. Digital image available
0362	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Date:** 20c **Materials:** Brass, nickel plated, closed with cork. **Physical Description:** 19 pipes. **Measurement:** 3.9 x 17.85 x 13.7 cm. **Notes:** Range: D#2 - A4. **Provenance:** Baxter-Northup Co., Los Angeles, Sept. 1923. Digital image available
0363	**Instrument Type:** Flute in C **Maker Name:** Alfred G. Badger **Maker Place:** New York **Maker Date:** ca. 1848-1857 **Materials:** Rosewood, silver lip plate ferrule, silver keys and ferrules, metal-lined head. **Keys Holes System:** Boehm's 1832 system, conical, Dorus G#, roller C. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 66.6 cm. **Notes:** DCM ledger: "Two small holes for thumb with single key, altered to Briccialdi. Rounded end at bottom of flute probably cut off." **Provenance:** Baxter-Northup Co., Los Angeles, Sept. 1923. Digital image available

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0364	**Instrument Type:** Vertical Whistle Flute in B-flat **Maker Name:** Anonymous **Maker Place:** London **Materials:** Brass with nickel plate. **Keys Holes System:** 0/6 holes, cylindrical. **Physical Description:** A type of standard penny whistle. **Measurement:** 31.85 cm. **Notes:** See DCM 641a-h. **Provenance:** Baxter-Northup Co., Los Angeles, Sept. 1923. Digital image available
0365	**Instrument Type:** Flute in C **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** 1838-1847 **Materials:** Cocus, silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs over square silver plates for low D#, C#, C. Large holes, pin in block. Pre-cross pinned at B-flat, G#, D# blocks. **Physical Description:** 4 sections, plus extra head. **Measurement:** 66.45 cm. (patented head); 66.7 cm. (ordinary head) **Notes:** DCM ledger: "Patent Head.-screw cap for differential movement of both cork and tuning slide. Rudall & Rose. 1832. No. 6338." **Case:** Case, with original key. **Condition:** Head joint, both sections, cracked. **Provenance:** William R. Gibbs, Boston, 19 Oct. 1923. Digital image available
0366	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 23 pipes. **Measurement:** 1.6 cm. x 12.5 cm. x 29.1 cm. (shortest, longest, frame) **Notes:** DCM ledger: "The following nineteen instruments, Nos. 366 to 374, constitute a 'Band' of Pan-Pipes, made and tuned to be together. The band proper consists of 21 instruments, there being duplicates of the largest basses (Nos. 373 and 374). This band was obtained on special order, by Prof. Meriggioli, in the Province of Brianza (about 30 miles north of Milan). … The band consists of nine groups as shown in the numbers 366 to 374. … This instrument is used as a 'Piccolo', that is, it is always played an octave higher than the principal melody." Best image available. Some pipes stuck or glued in place. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923. Digital image available

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0367a	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 25 pipes. **Measurement:** 1.68 cm. x 15.2 cm. x 31.2 cm. **Notes:** See DCM 366, Notes. DCM ledger: "These instruments [367a-b] play the principal melody, not in unison, but in thirds. The two lower tones are often omitted in instruments for this part. The highest tones are difficult." Best image available. **Condition:** Small crack in frame. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923. Digital image available
0367b	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 26 pipes. **Measurement:** 1.6 cm. x 15 cm. x 31.1 cm. **Notes:** See DCM 367a. See DCM 366, Notes. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923.
0368a	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 28 pipes. **Measurement:** 1.8 cm. x 24.3 cm. x 42 cm. **Notes:** See DCM 366, Notes. DCM ledger: "These instruments [368a-b] play in thirds, an octave below the principal Sopranos of Group II [367a-b]." **Condition:** Several pipes missing. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923.
0368b	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 28 pipes. **Measurement:** 2 cm. x 24.3 cm. x 41.5 cm. **Notes:** See DCM 368a and 366, Notes. **Condition:** 5 pipes missing. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923.

Unit Id	*Contents*
0369a	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 18 pipes. **Measurement:** 2 cm. x 19.95 cm. x 34 cm. **Notes:** See DCM 366, Notes. DCM ledger: "Four instruments [369a-d] for Harmony Alto parts. Compass only 8 tones. The additional pipes are for 'show' only. This group plays a third above the instruments of Group V [370a-d], two of the instruments playing on the beat and two on the after-beat." **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923. Digital image available
0369b	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 18 pipes. **Measurement:** 2.2 cm. x 19.6 cm. x 35.4 cm. **Notes:** See DCM 366, Notes. See DCM 369a. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923.
0369c	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 17 pipes. **Measurement:** 1.9 cm. x 19.8 cm. x 31.8 cm. **Notes:** See DCM 366, Notes. See DCM 369a. Best image available. Some pipes stuck or glued in place. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923. Digital image available
0369d	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 18 pipes. **Measurement:** 1.5 cm. x 19.5 cm. x 32.1 cm. **Notes:** See DCM 366, Notes. See DCM 369a. Best image available. Some pipes stuck or glued in place. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923. Digital image available

Unit Id	*Contents*
0370a	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 19 pipes. **Measurement:** 2.2 cm. x 24.3 cm. x 37.4 cm. **Notes:** See DCM 366, Notes. DCM ledger: "Four Second Harmony Altos or Little Basses. This group [370a-d] plays the bass note an octave higher than Group IX [374]. Two of the instruments play on the beat, and two on the after-beat." Best image available. Some pipes stuck or glued in place. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923. Digital image available
0370b	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 19 pipes. **Measurement:** 3.1 cm. x 24.6 cm. x 37.8 cm. **Notes:** See DCM 366, Notes. See DCM 370a. **Condition:** Two small pipes missing. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923.
0370c	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 18 pipes. **Measurement:** 2.5 cm. x 24.5 cm. x 36.5 cm. **Notes:** See DCM 366, Notes. See DCM 370a. Best image available. Some pipes stuck or glued in place. **Condition:** Front of brace and one pipe cracked. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923. Digital image available

Unit Id	*Contents*
0370d	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 19 pipes. **Measurement:** 2.03 cm. x 25 cm. x 36 cm. **Notes:** See DCM 366, Notes. See DCM 370a. Best image available. Some pipes stuck or glued in place. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923. Digital image available
0371a	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 19 pipes. **Measurement:** 2.4 cm. x 38.2 cm. x 46.4 cm. **Notes:** See DCM 366, Notes. DCM ledger: "Two Small Basses for Harmony [371a-b]. These instruments play a third above the bass played by Group VII [372a-b], one on the beat, and one on the after-beat." **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923.
0371b	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 19 pipes. **Measurement:** 3.5 cm. x 37.7 cm. x 45.5 cm. **Notes:** See DCM 366, Notes. See DCM 371a. **Condition:** Two pipes missing. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923.
0372a	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 20 pipes. **Measurement:** 2.6 cm. x 48.5 cm. x 47.3 cm. **Notes:** See DCM 366, Notes. DCM ledger: "Two Small Basses for Harmony [372a-b]. These instruments play the bass note one octave higher than Group IX [374], one on the beat, one on the afterbeat." **Condition:** Pipes missing. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923.

Unit Id	*Contents*
0372b	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 19 pipes. **Measurement:** 3.7 cm. x 47.3 cm. x 45 cm. **Notes:** See DCM 366, Notes. See DCM 372a. **Condition:** Two pipes missing. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923.
0373	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 21 pipes. **Measurement:** 3 cm. x 72.4 cm x 48 cm. **Notes:** See DCM 366, Notes. DCM ledger: "Two large Basses for After Beat. (Only one specimen in this Collection). These instruments are tuned a third higher and play a third above the large basses of Group IX [374]." **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923.
0374	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 23 pipes. **Measurement:** 8.8 cm. x 90.2 cm. x 60.6 cm. (of those that still exist) **Notes:** See DCM 366, Notes, and DCM 373. DCM ledger: "Two large Principal Basses [only one specimen exists]. One plays on the beat and one on the after-beat." **Condition:** Several pipes missing. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923.
0375	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Brianza, Italy **Maker Date:** 1923 **Materials:** Bamboo. **Physical Description:** 22 pipes. **Measurement:** 1.5 cm. x 12.2 cm. x 25 cm. **Notes:** See DCM 366, Notes. DCM ledger: "A melody instrument, to be played by itself. The adjacent pipes are tuned in thirds and two pipes are to be sounded at once." Best image available. Some pipes stuck or glued in place. **Provenance:** G. Meriggioli, Milan, 23 Oct. 1923. Digital image available

Unit Id	*Contents*
0376	**Instrument Type:** Flute in C **Maker Name:** Fernand Chapelain & Cie. **Maker Place:** La Couture **Maker Date:** 1890-1917 **Materials:** Cocus, wood cap, nickel silver keys, ferrules, lined sockets and middle joint upper tenon. **Keys Holes System:** DCM ledger: "Tulou model." 12 keys, including a very conveniently positioned F# vent for right little finger and a high D trill for right 2nd finger. Modern style key cups. **Physical Description:** 3 sections. **Measurement:** 67.2 cm. **Condition:** Crack in head and foot. **Provenance:** Allen Loomis, Toledo, Ohio, 5 Oct. 1923. Digital image available
0377	**Instrument Type:** Flute in C **Maker Name:** Edward Riley, senior **Maker Place:** New York **Maker Date:** 1819-1831 **Materials:** Boxwood(?), brass key, pewter ferrules. **Keys Holes System:** 1 key, flat flap, original shape uncertain, see Notes. Pin in block. **Physical Description:** 4 sections. **Measurement:** 61.45 cm. **Notes:** An inexpensive grade flute, marked E. Riley, who was known as a musical instruments dealer. All 4 joints of this instrument have at least one knot. In addition to actual damage and repairs (see Condition) this flute has been curiously altered. The head joint above the embouchure o.d. (outer dimension) has been reduced about 1.6 mm. for a length of about 38.5 mm., perhaps for the installation of a metal ferrule, purpose unknown. There is no crack in that area requiring such a device. The head joint and both body joints each are decorated with 2 carved diamond patterns, the foot joint has one such decorative carving, and the entire lower end of the foot joint, approximately 2.5 cm. in length, is decorated in a similar small diamond pattern resembling that which would be left by a knurling tool. The square flat flap key presently on the instrument is likely a 2nd replacement key, and probably close to the size and design of the original key. At some point it (the original) was replaced with a larger (longer) key requiring the tonehole seat to be enlarged, and a second pin hole drilled about 5.5 mm. from the original. The key now present is somewhat too short at both ends but does make use of the original key pin hole. Head cap is likely a replacement and has been decorated with 8 radial grooves intersecting in the center. **Condition:** Head joint and lower body joint sockets are cracked and were repaired at an early stage with pewter ferrules. All joints except the foot are slightly warped. **Provenance:** Cecil Silvermaid, Cleveland, Ohio, 5 Nov. 1923. Digital image available

Unit Id	*Contents*
0378	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1813 **Materials:** Clear glass, silver keys and ferrules, safety locks. Clear glass faceted end cap with hemispherical silver reflector behind, held in place by a silver ring. **Keys Holes System:** 4 keys, round flat curved flaps, post and rod on silver flanges. **Physical Description:** 4 sections. Clear glass exterior of recessed diamond-shaped faceting except at embouchure. **Measurement:** 62.05 cm. **Notes:** DCM ledger: "This flute was presented to Pres. Madison by someone in France (Lafayette) as inscribed. It passed to Madison's adopted son Payne Todd; it was willed by the latter to Cornelius Boyle of Washington, D.C. and passed to his five heirs. It was purchased from them (Miss Fanny G. Boyle) for this collection. It had been exhibited in the National Museum prior to 1903." However, a letter recently found in the Madison papers at the Library of Congress documents that Laurent himself sent the flute to Madison. Letter from Claude Laurent to President Madison, 25 Mar. 1815: “A Monsieur Madison, Président des Etats Unis d’Amérique. Monsieur le Président, J’ai pris la liberté de vous adresser, il y a environ trois ans, une flûte en Cristal de mon invention. Veuillez bien me permettre de vous témoigner le desir que j’aurais d’apprendre si elle vous est parvenue & si ce faible hommage de mon industrie vous a été agréable. Je vous prie de vouloir bien agréer l’hommage de la considération la plus distinguée avec laquelle j’ai l’honneur d’être, Monsieur le Président, Votre très humble et très obeissant serviteur Laurent Quai de Givrer N° 34 Paris, le 25. Mars 1815.” Translation: “To Mr. Madison, President of the United States of America, Mr. President, I took the liberty of sending to you about three years ago, a crystal flute of my invention. Please allow me to express to you the desire that I would have to learn if it has reached you and if this feeble homage of my industry has been agreeable to you. I beg you to please accept the homage of the most distinguished respect with which I have the honor of being, Mr. President, your very humble and obedient servant Laurent Quai de Givrer N° 34 Paris, 25 March 1815.” **Condition:** Safety bracket detached from head joint ferrule. **Provenance:** Estate of Cornelius Boyle, Miss Fanny G. Boyle, Washington, D.C., 6 Nov. 1923. Digital image available

Unit Id	*Contents*
0379	**Instrument Type:** Flute in C **Maker Name:** Clinton & Co. **Maker Place:** London **Maker Date:** 1856-1871 **Materials:** Cocus, silver keys and ferrules, metal-lined head joint. **Keys Holes System:** Conical bore, old system flute of John Clinton's patented model Equisonant System. Extra vent holes and 4 finger rings for fingers 1, 2, 5, 6 of the principal rank. Features retained from the old system include first finger right hand B-flat, C#-D2 trill, in addition to shifting toneholes further down the tube for better placement, pitch, volume. In theory, the Clinton System offers a fully vented in tune F# first finger right hand plus a slightly sharp forked F for the F-E trill. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 64.5 cm. **Condition:** Head joint, both sections, cracked. Three cracks in middle joint (center). Bottom ferrule of foot joint appears to be a nickel silver replacement from a German simple system flute. **Provenance:** J. Clayton Boyes, Bushey, England, 24 Nov. 1923. Digital image available
0380	**Instrument Type:** Piccolo in D-flat **Maker Name:** A. Collard & Co. **Maker Place:** London **Maker Date:** 1882-1891 **Materials:** Ebonite, silver keys and ferrules, metal-lined head (partial). **Keys Holes System:** Boehm system, cylindrical, open G#, no key for small C# hole. **Physical Description:** 2 sections. **Measurement:** 29.7 cm. **Notes:** DCM ledger: "No key for small C# hole which is covered directly by finger. Compact arrangement of hinges and clutches." **Provenance:** J. Clayton Boyes, Bushey, England, 14 Nov. 1923. Digital image available
0381	**Instrument Type:** Flute in C **Maker Name:** Ebblewhite **Maker Place:** London **Maker Date:** 1854-1882 **Materials:** Cocus, nickel silver lip plate, keys, ferrules, and fingerhole bushings. **Keys Holes System:** 8 keys, saltspoon, pewter plugs over round metal plates for low C#, C, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.15 cm. **Condition:** Head joint, both sections, cracked and filled. Bottom ferrule of head joint cracked. **Provenance:** William Powell, Birmingham, England, 5 Dec. 1923. Digital image available

Unit Id	*Contents*
0382	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1826 **Materials:** Clear glass, pearl cap, silver keys and ferrules. **Keys Holes System:** 8 keys, round flat flaps, post and rod on silver flanges. Rollers for low C#, C, also swivel 90 degrees. **Physical Description:** 4 sections. Clear glass, frosted, fluted exterior. **Measurement:** 67.2 cm. **Notes:** The tenon and socket arrangement between the upper and middle joints incorporates machine thread cut into brass inner ferrule elements. Head joint safety hook. **Condition:** Flute appears to be warped at middle joint socket ferrule. **Provenance:** Rudall, Carte & Co., London, 3 Dec. 1923. Letter from Rudall, Carte dated 19 Nov. 1923, to DCM: "This flute was the property of the late A. P. Vivian the celebrated flute teacher. It was given to him by James Stephens of the Stock Exchange who was a pupil." Digital image available
0383	**Instrument Type:** Piccolo in D-flat **Maker Name:** Theodore Berteling **Maker Place:** New York **Maker Date:** 1859-p1920 **Materials:** Cocus, ivory head (upper section), ebonite barrel, nickel silver end cap cover and name plate, keys and ferrules, wood cork-setting mechanism. **Keys Holes System:** 6 keys, round, post and rod, direct mount. **Physical Description:** 2 sections, tuning slide in metal-lined head. **Measurement:** 29.8 cm. **Condition:** Head joint cracked, repaired with filling (5 pins show). Upper section, previously repaired with 4 nickel silver cross pins, 3 blind. **Provenance:** Fred L. Britton, Oakland, California, 22 Dec. 1923. Digital image available
0384	**Instrument Type:** Shakuhachi (Notched Flute) **Maker Name:** Anonymous **Materials:** Bamboo, lacqured red inside, horn uta-guchi. **Keys Holes System:** 1/4 holes. Kinko style. **Measurement:** 62 cm.; ni-shaku 2.0 **Condition:** Large crack, upper half. **Provenance:** Aoki Taisei-Do (Japanese store, sometimes recorded in DCM ledger as Aoki), San Francisco, 22 Dec. 1923. Digital image available

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0385	**Instrument Type:** Flute in C **Maker Name:** John Hale **Maker Place:** London **Maker Date:** 1785-1804 **Materials:** Boxwood, ivory cap, ferrules, and cork-setting mechanism, silver keys. **Keys Holes System:** 6 keys, square flaps, foot to C (with decoration on touch). Pin in block, low C#, C block mount pre-pinned with brass threaded cross pins. **Physical Description:** 6 sections, including 3 corps de rechange. **Measurement:** 66.5 cm., 67.35 cm., 68.1 cm. **Condition:** Small portion of G# key block missing, and spring is broken. **Provenance:** William Powell, Birmingham, England, 2 Jan. 1924. Digital image available
0386	**Instrument Type:** Flute in C **Maker Name:** Johann Georg Otto **Maker Place:** Neukirchen **Maker Date:** 1797 **Materials:** Boxwood, stained, ivory cap and ferrules, brass key. **Keys Holes System:** 1 key, square flat flap, spring mounted on instrument rather than on key spatula. **Physical Description:** 4 sections. **Measurement:** 61.4 cm. **Notes:** The present steel spring appears to be a replacement and the foot joint bottom ferrule also appears to be a replacement. **Condition:** Lower body joint socket cracked, although its ivory ferrule is not cracked. **Provenance:** Baxter-Northup Co., Los Angeles, 24 Oct. 1923. Digital image available

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0387	**Instrument Type:** Octave Flute in C **Maker Name:** [Ad. Charly] **Maker Place:** [Paris] **Maker Date:** [turn of 20c] **Materials:** Glass, silver ferrules. **Keys Holes System:** Cylindrical bore, 2-piece piccolo or fife, now with 0/7 holes. One key, now missing, although present when acquired in 1923, beneath which are bored 2 vent holes. See "Fife vs. Band Flute." **Physical Description:** 1 piece, made of 2 parts. **Measurement:** 33.7 cm. **Notes:** The two pieces appear to be cemented together beneath the center ferrule. DCM ledger: "I saw this piccolo at Paris Expo. 1900. Mr. Charly told Baxter it had been exhibited at Expo. of 1889 (Was he mistaken?). Mr. Baxter visited Mr. Charly in 1921, and was told that the factory was hit by a German bomb in the war. Piccolo in its case was thrown into the street and cracked (between post of D# key and E fingerhole). Charly says it was about the only thing left of his entire factory and stock." **Condition:** Crack between hole 6 and E-flat key hole. Crack between E-flat key hold and lower key post hold (key missing). If this istrument had a head cap, it is now missing. **Provenance:** A. Charly, Paris, through Harry Baxter of Baxter-Northup Co., Los Angeles, 30 Oct. 1923. Digital image available
0388	**Instrument Type:** Flute in C **Maker Name:** Thomas Stanesby, junior **Materials:** Ivory, wood end cap with silver disk, silver key and ferrules. **Keys Holes System:** 1 key, square flat flap, pin in block. Also has 5 added keys from apparently 3 other instruments, all mounted with metal saddles. G# is applied with a machine screw, the others have pins but may have taken screws originally. G# and B-flat are silver flat round flaps, upper C and long F are nickel silver, also round flat flaps, short F is nickel silver with saltspoon cup. **Physical Description:** 4 sections. **Measurement:** 59.6 cm. **Notes:** Cap is engraved by hand with pen and plume, with monogram IN[?] or JN[?]. DCM ledger: "The flute has clearly been rebuilt, by the addition of the five keys, by cutting the tenon off the head, shortening the head to make high-pitch, by putting in a lining and slide joint (cut out by D.C.M.), and by enlarging the embouchure.... When received, a new crack was developing in head; to prevent its opening, the brass lining was removed, and by accident, the ivory was cracked at embouchure. A crack in the socket was opening wider, and the lining was cut by D.C.M. Jan. 4, 1924." **Case:** Case missing ivory inlay. **Condition:** See Notes. Cracks in head and upper body. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Jan. 1924. Letter to DCM from John Shiel, 11 Dec. 1923: "I got it from a very old flute player many years ago. He told me he got it from Clinton. Clinton told him it was given to him by a nobleman." Digital image available

Unit Id	*Contents*
0389	**Instrument Type:** Flute in C, Left-Handed **Maker Name:** Adolf Hüttl **Maker Place:** Boston **Maker Date:** 1870-1873 **Materials:** Grenadilla(?), upper portion of head joint of ivory, bright nickel silver cap, keys, ferrule. **Keys Holes System:** 10 keys, foot to B, post and rod with pins, rollers for low C#, C. For left hand. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 67.95 cm. **Condition:** Head joint, both sections, cracked and filled. **Provenance:** Fred L. Britton, Oakland, California, 10 Jan. 1924. Digital image available
0390	**Instrument Type:** Walking Stick Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Unidentified wood, possibly mahogany, brass key, upper ferrule of bone possibly original, brass ferrule, iron tip, cord holes bushed with bone. **Keys Holes System:** 1 key, round flat flap, recessed into the body, pin in wood, with round flat flap and a corresponding round but arched touchpiece. **Physical Description:** 3 sections. Upper section including head and upper hand joint, second section including lower hand and foot joint. **Measurement:** 86.7 cm. **Notes:** The pommel is likely a recent replacement, apparently composite material. Second section terminates in lower vent hole. Third section cane staff tipped with tapered brass ferrule and steel pin. The instrument can be played without the third section. **Condition:** Upper joint tenon area cracked and pinned and, according to DCM, repaired by DCM, including a new tenon which appears to be half the length of the original. **Provenance:** C. W. Unger, Pottsville, Pennsylvania, 14 Feb. 1924. Digital image available
0391	**Instrument Type:** Flute in C **Maker Name:** Firth Pond & Co. **Maker Place:** New York **Maker Date:** 1847/48-1863 **Materials:** Rosewood(?), nickel silver keys and ferrules. **Keys Holes System:** 4 keys, flat round flaps. DCM indicated F key to be missing, its block being broken off and missing at the pin line. Stapled to the block is a nickel silver key, possibly short F, very similar in design. **Physical Description:** 4 sections. **Measurement:** 61.6 cm. **Condition:** Upper body joint, upper tenon, cracked into numerous pieces and repaired by binding the surviving pieces with dental floss over a nickel silver tube about 8 mm. in length. One of the tenon cracks continues for most of the length of the joint. The lower tenon of this joint has a similar crack(s) problem which has been addressed in the same manner, minus the metal tube. Upper middle joint, metal-lined, cracked. Lower body joint cracked at socket. **Provenance:** Anonymous, Rochester, New York, 1923. Digital image available

Unit Id	*Contents*
0392	**Instrument Type:** Flute in C **Maker Name:** Edward Riley, senior **Maker Place:** New York **Maker Date:** 1819-1831 **Materials:** Cocus, ivory cap, cork-setting mechanism, and ferrules, nickel silver key, metal-lined head. **Keys Holes System:** 1 key, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head, fully lined. **Measurement:** 61.2 cm. **Condition:** Head joint, both sections, cracked and filled. Foot joint ferrule cracked. **Provenance:** J. R. Gragg, Bainbridge, Ohio, 15 Feb. 1924. Digital image available
0393	**Instrument Type:** Flute in C **Maker Name:** Louis Drouet **Maker Place:** London **Maker Date:** 1818-p1819 **Materials:** Ivory, silver keys and ferrules. **Keys Holes System:** 8 keys, round flat flaps, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.2 cm. **Notes:** Ferrules are milled. **Condition:** Head joint, both sections, cracked. Lower joint cracked at socket. Thumb key broken off and hole filled. F key mount chipped. **Provenance:** William Powell, Birmingham, England, 4 Mar. 1924. Digital image available
0394	**Instrument Type:** Flute in C **Maker Name:** Monzani **Maker Place:** London **Maker Date:** ca. 1807-1829 **Materials:** Cocus, ivory cork-setting mechanism with silver shaft, silver keys and ferrules. **Keys Holes System:** 9 keys, square flaps. 9th key is 1st finger RH and B-flat. **Physical Description:** 3 sections plus extra head joint, no separate foot joint. **Measurement:** 66.5 cm.; 67 cm. **Notes:** Silver ferrules are hallmarked. DCM ledger: "See No. 249. This flute seems a better 'match' with Nos. 250 & 251 to make the set of three. No. 249 much earlier." **Condition:** Upper body crack, filled, lower body crack. **Provenance:** J. Clayton Boyes, Bushey, England, 4 Mar. 1924. Digital image available

Unit Id	*Contents*
0395	**Instrument Type:** Flute in ? **Maker Name:** Anonymous **Maker Date:** turn of 19c **Materials:** Ivory, silver key and tonehole bushings. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 pieces, each piece consists of 2 sections. See Notes. **Measurement:** 55.7 cm. (without cap) **Notes:** A highly unusual and one of 3 ivory instruments in the Miller Collection which are constructed of more than the usual amount of sections. This is a 4-joint 1-keyed flute, date unknown, likely turn of the 19th century. Each joint consists of 2 sections which have very short tenons with machine threads that screw together. The 6 fingerholes are bushed with recessed square silver inlays. Furthermore, the instrument is unique in that the unusually long lower body joint wide fingerhole spacing would imply that this instrument is in at least the key of C, or lower, or at a very low pitch. However, the head joint is curiously short (perhaps shortened?) and together with the instrument assembled would visually appear to be in a key centered around D. The present tonehole spacing as it relates in distance from the embouchure is such that musically this instrument is unworkable. **Condition:** Head joint cap missing. No cracks but all of the threaded tenon connections are loose due to shrinkage. (See DCM 945 regarding threaded joint construction). **Provenance:** Maude P. Hull Antiques, Richmond, Virginia, 7 Mar. 1924. Digital image available
0396	**Instrument Type:** Clarinet in E-flat **Maker Name:** G. (?Gottfried) Schuster **Maker Place:** Neukirchen **Maker Date:** early 19c **Materials:** Boxwood, brass keys, animal horn ferrules. **Keys Holes System:** 5 keys, square flaps, pin in block. **Physical Description:** 5 sections, plus mouthpiece. **Measurement:** 48.5 cm. (with mouthpiece) **Condition:** Horn on barrel is chipped, ferrules chipped. **Provenance:** J. R. Gragg, Bainbridge, Ohio, 10 Mar. 1924. Digital image available
0397	**Instrument Type:** Flute in C **Maker Name:** William Whiteley **Maker Place:** Utica, New York **Maker Date:** ca. 1810-p1854 **Materials:** Cocus, silver keys, ivory ferrules. **Keys Holes System:** 4 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in metal-lined head. **Measurement:** 61.35 cm. **Condition:** Head joint, both sections, cracked, and 2 of its ivory ferrules are cracked. A brass band has been forced over the barrel to address the crack problem. F key missing a portion of the key block. **Provenance:** Peter R. Sleight, New York, 13 Mar. 1924. Digital image available

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0398	**Instrument Type:** Flute in C **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** 1849-1850 **Materials:** Cocus, silver keys and ferrules. **Keys Holes System:** Boehm system, conical, open G#, originally Dorus G#. Low C#, C, pewter plugs, possibly not original. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 65.1 cm. **Notes:** Primitive workmanship for G# conversion. Body evidently shortened. Tuning slide in head joint besides usual pin and socket. DCM ledger: "Keys of early (Boehm type), with cups screwed to shanks. Fingers with adjusting screws. Rods on both sides; C#, C foot keys--plugs in circular plate." **Condition:** Head joint, both sections, cracked. Barrel section socket lining loose and currently stuck over body joint upper tenon, likely due to recent over-corking applied to corresponding tenon. Crack at foot joint socket. **Provenance:** Baxter-Northup Co., Los Angeles, 20 Mar. 1924. Digital image available
0399	**Instrument Type:** Flute in C **Maker Name:** Johann Gottfried Martin **Maker Place:** Potsdam **Maker Date:** 1820 **Materials:** Ebony, ivory cap, cork-setting mechanism, and ferrules, silver keys. **Keys Holes System:** 8 and 11 keyed (2 upper body joints), square flap, pin in block. Extra keys are high D3-E and D3-D# trill. **Physical Description:** 4 sections. **Measurement:** 67.6 cm.; 67.65 cm. **Condition:** Upper C key mount broken and repaired. Cap is chipped. **Provenance:** W. H. Wilkinson Antiques, Kansas City, Missouri, 13 Mar. 1924. Digital image available

Unit Id	*Contents*
0400	**Instrument Type:** Flute in C **Maker Name:** Scherer **Maker Place:** Butzbach **Maker Date:** a1711-p1778 **Materials:** Ivory, silver key. **Keys Holes System:** 1 key, square/trapezoid flap, pin in block. **Physical Description:** 4 sections (with 2 corps de rechange) **Measurement:** 59 cm.; 60.8 cm. **Notes:** With 2 corps de rechange although it may have had more. The head joint is unique in that the socket is a separate threaded part, the tenon for it being on the main body part. The head joint cap, if original, is also unique in that judging from the embouchure hole placed so near the end (3.8 cm. from approximately the center of the hole) there is room only for a cork without threaded tuning mechanism. However, the cap has been drilled through its center to receive what may have been a decorative shaft common to such tuning mechanisms. Within that hole, there is what would appear to be the dome-shaped end of such a shaft, now serving only as a decorative item. The present dimensions and total parts of this instrument seem original or convincing as those used during the working period of this instrument in that its case retains the instrument exactly as is. **Case:** The case is 2 gouged slabs of wood (pine?) lined with dark red velvet and covered on the exterior with green tooled vellum or other thin leather. If not original, this period case at least indicated that the instrument was used as it now appears. **Condition:** Perfect condition. **Provenance:** D. A. McDonald, Chicago, 13 Mar. 1924. Digital image available
0401	**Instrument Type:** Flute in C **Maker Name:** Boie **Maker Place:** Göttingen **Maker Date:** first half 19c **Materials:** Ebony(?), ivory end cap and ferrules, silver keys. **Keys Holes System:** 4 keys, square flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 62.7 cm. **Condition:** Crack in head joint socket. F key block mostly missing, as is the key. **Provenance:** D. A. McDonald, Chicago, 13 Mar. 1924. Digital image available

Unit Id	*Contents*
0402	**Instrument Type:** Piccolo in C **Maker Name:** Joseph Wallis **Maker Place:** London **Maker Date:** 1848-1928 **Materials:** Cocus, ebonite head, nickel silver keys and ferrules. **Keys Holes System:** Giorgi System, conical, 6 keys, modern style key cups, post and rod. **Physical Description:** 2 sections, tuning slide in head. Head consists of standard barrel, with tuning slide tenon attached to Giorgi-style perpendicular embouchure. **Measurement:** 26.3 cm. **Notes:** DCM ledger: "The head is of same model as for the Giorgi flute [see 112]. The body of the piccolo is of the same pattern as ordinary 6-keyed instrument, except that the D# and short F keys are bent to conform to the slanting position of the fingers." **Provenance:** William Powell, Birmingham, England, 22 Mar. 1924. Digital image available
0403	**Instrument Type:** Flute in C **Maker Name:** William Henry Potter **Maker Place:** London **Maker Date:** 1806-1837 **Materials:** Boxwood, ivory cap, cork-setting mechanism and ferrules, silver keys, metal-lined head. **Keys Holes System:** 6 keys, to low C, brass-lined toneholes, pewter plug pads. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.7 cm. **Condition:** Head joint barrel cracked, filled. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1924. Digital image available
0404	**Instrument Type:** Flute in C **Maker Name:** Thomas Prowse **Maker Place:** London **Maker Date:** 1816-1868 **Materials:** Boxwood, brass keys. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.25 cm. **Condition:** DCM ledger: "Perfect condition." However, the upper end of the head joint is cracked in 2 places, literally split wide open to inner dimensions of 2.6 cm. x 18.3 mm. (approx.) and a length of approximately 10.1 cm. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1924. Digital image available

Unit Id	*Contents*
0405	**Instrument Type:** Flute in C **Maker Name:** Potter **Maker Place:** London **Maker Date:** 1778 **Materials:** Ivory, silver keys. **Keys Holes System:** 6 keys, square flaps, with pewter plug and silver mount for high C. **Physical Description:** 4 sections. **Measurement:** 66.2 cm. **Provenance:** Louis P. Fritze, Brooklyn, New York, 7 Apr. 1924. Digital image available
0406	**Instrument Type:** English Flageolet in B-flat **Maker Name:** Joseph Richardson **Maker Place:** London **Maker Date:** 2nd quarter 19c **Materials:** Cocus, silver cap, keys, ferrules (including embouchure), and socket linings. **Keys Holes System:** 9 keys, "J. Richardson's Improved", a slight variation on the Nicholson design. Metal plug for low C# (with roller), C. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 66.2 cm. **Notes:** Mark on foot: T. Prowse, / London. (cursive). Head joint cap, lower end cap, and foot joint ferrule are machine engraved. **Condition:** Head joint, both sections, cracked. **Provenance:** J. Clayton Boyes, Bushey, England, 12 Apr. 1924. Digital image available
0407	**Instrument Type:** English Flageolet **Maker Name:** Thomas J. Weygandt **Maker Place:** Philadelphia **Maker Date:** 1839-1874 **Materials:** Boxwood, brass key, bone (possibly ivory) mouthpiece and finger studs, ebony half-hole vent. **Keys Holes System:** 1/7 holes plus 1 key, round flat flap, D#/E-flat. Pin in block. **Physical Description:** 2 sections, upper section is 2-piece fipple and sponge chamber. **Measurement:** 39.35 cm. **Condition:** Top front hole plugged for half-hole vent. **Provenance:** Mrs. J. McArthur Harris, Philadelphia, 24 Apr. 1924. DCM ledger: "Mrs. J. McArthur Harris says: 'These instruments...were made by my grandfather [Thomas Jefferson Weygandt] who was in the music business for a short time only, about 1840. He died about 1869 [Langwill says 1874], and his son (her father) died about 1910.'" Digital image available

Unit Id	*Contents*
0408	**Instrument Type:** English Flageolet in B-flat **Maker Name:** Thomas J. Weygandt **Maker Place:** Philadelphia **Maker Date:** 1839-1874 **Materials:** Boxwood, possibly applewood, stained dark brown, bone (possibly ivory) mouthpiece and finger studs. **Keys Holes System:** 1/7 holes plus 1 key, round flat flap, pin in block. **Physical Description:** 2 sections, upper section is 2-piece fipple and sponge chamber. **Measurement:** 47.8 cm. **Condition:** Half-hole vent mostly filled with ebony. **Provenance:** Mrs. J. McArthur Harris, Philadelphia, 24 Apr. 1924. See DCM 407. Digital image available
0409	**Instrument Type:** Flute in C **Maker Name:** Clair Godfroy, aîné **Maker Place:** Paris **Maker Date:** ca. 1836-1845 **Materials:** Cocus, gold-plated silver keys, ferrules, posts, all ornamentally stamped or engraved. Sockets silver lined. **Keys Holes System:** Modified 1832 Boehm system, Dorus G#, foot to B. Rollers for low C#, C, B. **Physical Description:** Conical, modified 1832 Boehm system. **Measurement:** 70.55 cm. **Notes:** DCM ledger: "Dorus G# has a unique 'equilizing lever' to limit rise of ring and key. Foot keys to B of unique design, all holes in one row." **Condition:** Slight crack between trill keys on upper joint. **Provenance:** J. Clayton Boyes, Bushey, England, 3 May 1924. Digital image available
0410	**Instrument Type:** Flute in C **Maker Name:** Albrecht **Maker Place:** Freiburg im Breisgau **Maker Date:** ca. 1890 **Materials:** Cocus, nickel silver cap, keys, ferrule, guides. **Keys Holes System:** 10 keys, foot to B, rollers on low C#, C. Post and rod, modern style key cups. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 69.7 cm. **Condition:** Head joint, both sections, cracked through embouchure. **Provenance:** Buescher Musical Instrument Co., Elkhart, Indiana, 24 May 1924. Digital image available

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0411	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** late 18c **Materials:** Ivory, ivory end cap and cork-setting mechanism, silver key. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 61.5 cm. **Notes:** The ivory block element has been broken away on both sides of the key and has been replaced with 2 decorative silver plates, each applied with 2 silver pins or tacks, and each terminating at its extremity with a small metal loop to define the key pin hole and through which the pin passes. **Provenance:** G. Meriggioli, Milan, 24 May 1924. Digital image available
0412	**Instrument Type:** Flute in C **Maker Name:** I. Ziegler **Maker Place:** Vienna **Maker Date:** 1821-p1895 **Materials:** Ivory, silver cap stud, ferrules, fingerhole bushings, pewter plug keys mounted on silver oval flanges. **Keys Holes System:** 14 keys, pewter plugs, foot to B-flat, rollers on C#, C. The six principal fingerholes with silver bushings. **Physical Description:** 3 sections, tuning slide in head, no separate foot joint. **Measurement:** 75.45 cm. **Notes:** Elliptical gold plate inlaid in barrel, engraved: P.P. (now missing). Elliptical silver plate inlaid for left thumb. **Condition:** Head joint, both sections, cracked. Ferrule on foot missing; replacement ferrule on bottom of barrel. Key mounts for long F, low B-flat, B-natural keys detached. **Provenance:** G. Meriggioli, Milan, 24 May 1924. Formerly owned by Prof. Cantu, piccolo player at La Scala.
0413	**Instrument Type:** Piccolo in C **Maker Name:** I. Ziegler **Maker Place:** Vienna **Maker Date:** 1821-p1895 **Materials:** Ivory, ivory end cap with cork-setting mechanism and gold-plated shaft, gold-plated keys and ferrules. Metal-lined head (partial). **Keys Holes System:** 6 keys, post and rod, modern style key cups on flanges. Short F key lever operates long F key. **Physical Description:** 2 sections. **Measurement:** 31.4 cm. **Notes:** Rose gold tonehole bushings, gold-plated metal body tenon including shoulder plate. **Condition:** Head joint cracked at socket and filled, body joint cracked at tenon. Head joint cap missing its decorative [gold?] inlay. **Provenance:** G. Meriggioli, Milan, 24 May 1924. Formerly owned by Prof. Cantu, piccolo player at La Scala. Digital image available

Unit Id	*Contents*
0414	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Boxwood, brass keys, animal horn ferrules, brass-lined head. **Keys Holes System:** 6 keys, square flaps, pin in brass-lined blocks. The sixth key for upper C is awkwardly positioned for the LH 3rd or 4th finger. **Physical Description:** 4 sections, tuning slide. **Measurement:** 65.7 cm. **Notes:** Elaborately carved in high relief, mostly with a scales or shingled effect, from the bottom to just above the first fingerhole. Between that point and the upper tenon of the upper body joint, the carving includes an acorn and leaf motif. The head joint is also carved, but less well done and of obviously different type or quality of boxwood, although the barrel is more similar to the rest of the instrument. Either the entire head joint or only the upper section may have been added later. However, the 6 cm.-long head cap is similar to the body carving and may be from the original instrument. **Condition:** DCM repairs listed in ledger: "Lugs for short F key, new thumb key. New black ring, cut linings to prevent splitting." In addition to DCM repairs, the F key is also a replacement, possibly by DCM; D# key block is broken off on one side, and the G# key block is split, both sides, with a portion missing from one. The head joint barrel socket is split only within, and missing some material. It is this socket which has the new ferrule, see above. **Provenance:** G. Meriggioli, Milan, 24 May 1924. Formerly owned by Prof. Cantu, piccolo player at La Scala. Digital image available
0415	**Instrument Type:** Flute in C **Maker Name:** [Attributed to Boehm & Mendler] **Maker Place:** [Munich] **Maker Date:** [1862-1888] **Materials:** Phosphor bronze, cocus head. **Keys Holes System:** Boehm system, open G#, rollers on C#, C. **Measurement:** 63.9 cm. **Notes:** Thinned head joint with integral embouchure plate. DCM ledger cites James S. Wilkins, "Biographical Notes on Theobald Boehm,"August 1900, p. 6: "Mr. Boehm made three sample flutes, one 'G' and two 'C's, of phosphor bronze. The 'G' and one of the 'C's are now in the possession of the writer. This metal Mr. Boehm pronounced the best for tone and ease of emission, but it was so extremely difficult to work that he would not make flutes of it.... Mr. Boehm always maintained that a (metal flute) with a thinned wood head piece was the best combination for making the instrument." **Condition:** Crutch missing. **Provenance:** Mrs. James S. Wilkins, Newton Center, Massachusetts, 6 June 1924. Digital image available

Unit Id	*Contents*
0416	**Instrument Type:** Flute in G **Maker Name:** [Attributed to Boehm & Mendler] **Maker Place:** [Munich] **Maker Date:** [1862-1888] **Materials:** Phosphor bronze, cocus embouchure plate, applied with screws. **Keys Holes System:** Boehm system, open G#, Schleif key, roller on C. **Measurement:** 88.25 cm. **Notes:** See DCM 415. **Condition:** Crutch missing. **Provenance:** Mrs. James S. Wilkins, Newton Center, Massachusetts, 6 June 1924. Digital image available
0417	**Instrument Type:** Fife in A-flat **Maker Name:** Anonymous **Materials:** Pear wood(?), stained dark reddish brown, brass end ferrules. **Keys Holes System:** 0/6 holes. **Measurement:** 41.55 cm. **Notes:** Ferrules are decorated (turned) similar to trumpet garnishes. **Condition:** Head joint cracked. **Provenance:** Sumner Healey, New York, 7 June 1924. Digital image available
0418	**Instrument Type:** Flute in C **Maker Name:** Michael Duval **Maker Place:** Maastricht **Maker Date:** ca. 1780-1815 **Materials:** Ebony(?), silver key, ivory ferrules. **Keys Holes System:** 1 key, round with leather plug pad, pin in block. See Notes. **Physical Description:** 4 sections. **Measurement:** 61.55 cm. **Notes:** The foot joint key is unique, having a plug pad similar to the English style pewter plug but instead made of leather, and secured with a screw. Instead of being applied between wood lugs with a pin, this has one wooden integral lug and the key is formed to surround the lug and is applied with the normal brass pin arrangement. **Condition:** Head joint cracked. **Provenance:** Sumner Healey, New York, 7 June 1924. Digital image available

Unit Id	*Contents*
0419	**Instrument Type:** Flute in C **Maker Name:** Thibouville (Counterfeit?) **Maker Date:** mid 19c(?) **Materials:** Boxwood, brass key, ivory ferrules. **Keys Holes System:** 1 key, square flat, articulated (pivot) flap, post and rod on a rectangular flange, recessed flush and applied with 2 wood screws. **Physical Description:** 4 sections, tuning slide in partially metal-lined head. **Measurement:** 61.9 cm. **Condition:** Head joint, both sections, cracked, including 2 ferrules. **Provenance:** Sumner Healey, New York, 7 June 1924. Digital image available
0420	**Instrument Type:** Walking Stick Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Grenadilla(?), nickel silver keys, ferrules, animal horn pommel with ivory or bone. **Keys Holes System:** 5 keys, modern post and rod. Two lateral vent holes within wide decorative nickel silver ferrule. **Physical Description:** 2 sections, head joint and body with nonremovable staff. **Measurement:** 90 cm. **Notes:** The pommel affixes to the head joint with machine threads. The instrument has an added left thumbhole awkwardly placed too near the B-flat key lever and upper C key tonehole. This appears to be an addition, possibly to raise the pitch of C#. **Condition:** All 5 keys have broken springs. **Provenance:** Sumner Healey, New York, 7 June 1924. Formerly in the Tolbecque collection. This probably refers to the collection of Auguste Tolbecque, 1830-1919, Niort, France. Tolbecque was a composer, stringed instrument maker, cellist, and collector of musical instruments. In 1879, the Belgian government purchased many instruments from the Tolbecque collection for the Brussels Conservatory. This instrument probably comes from a second collection of instruments which was dispersed in 1922 along with Tolbecque's library. Biographical information on Tolbecque per Elisabeth Bernard, “Auguste Tolbecque,” The New Grove Dictionary of Music Online ed. L. Macy (Accessed 29 April 2003), <http://www.grovemusic.com> Digital image available

Unit Id	*Contents*
0421	**Instrument Type:** Tabor Pipe (Fragment) **Maker Name:** Anonymous **Materials:** Unidentified dark hard wood, ivory mouthpiece and ferrules (now missing). **Keys Holes System:** 1/2 holes. **Physical Description:** Originally 3-piece(?). Now missing the head joint and a short foot joint, possibly flared or ornately turned similar to a recorder foot joint. **Measurement:** 15.2 cm. **Notes:** The middle (fingerhole) joint of what apparently was a 3-piece instrument, now missing the head and foot joint. DCM described the instrument: "3 joints plus mouthpiece," now found in the collection is what may be the original or part of the original head joint as described by DCM, except with bone portions, not ivory, and now attached to DCM 1637, an approximately 7.5 cm. joint made of walnut or mahogany. Crudely turned (center not concentric) and marked by an unknown Library of Congress employee as DCM 1637. **Condition:** See Notes above. **Provenance:** Sumner Healey, New York, 7 June 1924.
0422	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Materials:** Ivory, metal cap, silver key. **Keys Holes System:** 1 key, square flat flap, pin in block. Key flap slightly curved to fit key seat. **Physical Description:** 3 sections, plus 3 corps de rechange. **Measurement:** 63.2 cm.; 64.5 cm.; 66.3 cm. **Notes:** Has 3 corps de rechange, although it may have had more. Upper end of head joint has a threaded tenon, possibly not original, to receive a now missing end cap, likely ivory, applied that way. The present end cap is made of sheet silver, crudely raised, and containing an inner threaded ring made of an unidentified fiber material, the threads for which are quite clean and sharp, unlike the round male threads on the head joint proper. **Case:** The instrument has a period case of obvious antiquity, not necessarily original. It is unnecessarily large, perhaps having been made originally for silverware or other implements. The inside is lined with red velvet and the instrument is kept in position by a removable portion also lined with the same fabric. Above the removable partition there is some space, possibly intended for sheet music. The case appears to be quite old and has an interesting locking mechanism which locates the key in the center of the top. The entire box is covered with black leather. **Provenance:** Sumner Healey, New York, 7 June 1924. Healey obtained the flute in Madrid. Digital image available

Unit Id	*Contents*
0423	**Instrument Type:** Oboe in ? **Maker Name:** Rouge **Maker Place:** France(?) **Maker Date:** early 18c(?) **Materials:** Ivory, silver keys, 2 black horn ferrules. **Keys Holes System:** 3 keys, square flaps, pin in block. Originally with left E-flat key missing and hole plugged. **Physical Description:** 3 sections. **Measurement:** 50.4 cm. **Notes:** Highly unusual instrument. All 3 joints are shorter than comparable instrument in C. This instrument is further unusual in that the top joint has a thumbhole (perhaps later added). Also unusual in that the upper end above the baluster decoration has an ivory ferrule over a tenon, possibly not original, the interior element of which takes a separate ivory insert in the form of a pirouette, but probably not meant to function as such. This may be original, or added as a type of tuning slide. **Condition:** The top of the bore is cracked, and the unusual construction may have been an attempt to correct this or perhaps the length of ivory available was insufficient for the design. Upper joint, cracks at upper end under ivory ferrule, mentioned above. Lower joint, several cracks in socket, ivory only. Horn ferrule unaffected, maybe not original. C key hole improperly drilled at location under left E-flat key position, including key. Original keys restored by DCM. Crack in bell from one of two vent holes to bottom or rim. Slot cut in lower key mount ring. That hole was plugged with ivory at unknown time. **Provenance:** Sumner Healey, New York, 7 June 1924. Digital image available
0424	**Instrument Type:** Flute in C **Maker Name:** William Henry Potter **Maker Place:** London **Maker Date:** 1806-1837 **Materials:** Boxwood, ivory cap, cork-setting mechanism and ferrules, silver keys, metal-lined head. **Keys Holes System:** 6 keys, pewter plug, foot to C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.7 cm. **Notes:** "Woodward" mark on barrel from another stamp. This instrument probably had 3 corps de rechange. **Condition:** Head joint barrel cracked, full length, not including ferrule. F key missing spring and bent out of alignment. **Provenance:** William Powell, Birmingham, England, 7 July 1924. Digital image available

Unit Id	*Contents*
0425	**Instrument Type:** English(?) Flageolet (in E-flat?) **Maker Name:** Anonymous **Materials:** Cocus. **Keys Holes System:** 0/6 holes. **Physical Description:** 2 sections, upper section in 2 pieces (fipple and sponge/chamber). **Measurement:** 32 cm. **Condition:** Upper section cracked, both joints. Chip missing from largest decorative beaded turning. Mouthpiece missing, material not known. **Provenance:** William Powell, Birmingham, England, 7 July 1924. Digital image available
0426	**Instrument Type:** Flute in C **Maker Name:** Keith Prowse & Co. **Maker Place:** London **Maker Date:** 1833-1835 **Materials:** Cocus, nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs over square metal plates for C#, C, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.65 cm. **Condition:** Head joint, both sections, cracked. Missing male threaded cork-setting mechanism. Possible replacement cap. Missing lower ferrule on foot joint. **Provenance:** J. Clayton Boyes, Bushey, England, 16 July 1924. Digital image available
0427	**Instrument Type:** Flute in C **Maker Name:** Hawes **Maker Place:** London **Maker Date:** 1826-1847 **Materials:** Cocus, silver keys and ferrules, metal-lined head and decorative frame or shield. **Keys Holes System:** 4 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 61 cm. **Notes:** Head joint lined with metal, including tuning slide. The cork-setting mechanism and cap are of the body wood. The embouchure had a decorative silver "tube," according to DCM ledger, and was removed by DCM. **Condition:** Head joint, both sections, cracked. G# key pin block broken and missing on one side. The F key pin block is a replacement, rather well done, and possibly from the working period of the instrument. Small crack in lower body joint socket. **Provenance:** Albert L. Sleeman, Warren, Pennsylvania, 17 July 1924. Digital image available

Unit Id	*Contents*
0428	**Instrument Type:** Flute in C (Replica) **Maker Name:** Eugene Joseph Albert **Maker Place:** Brussels **Maker Date:** ca. 1924 **Materials:** Pear, ivory foot, cap, and head joint socket unit, silver key. **Keys Holes System:** 1 key, round flat flap, pin in block. **Physical Description:** 3 pieces. **Measurement:** 70.5 cm. **Notes:** According to DCM ledger, this is a replica of a flute by Hotteterre in the C. Snoeck Collection (catalog p. 138). Low pitch, A=405. **Condition:** Head joint socket ferrule loose (unglued), body joint quite warped. **Provenance:** Eugene Joseph Albert, Brussels, 24 July 1924. Digital image available
0429	**Instrument Type:** Flute in C (Replica) **Maker Name:** Eugene Joseph Albert **Maker Place:** Brussels **Maker Date:** ca. 1924 **Materials:** Ebony, silver keys, ivory ferrules, foot joint socket silver ferrule. **Keys Holes System:** 2 keys (D# and E-flat), slightly trapezoidal, pin in block. **Physical Description:** 4 sections. **Measurement:** 65.2 cm. **Notes:** DCM ledger: "This flute is a Replica [Quantz model], made by Eug. J. Albert of Brussels, by permission of Mr. Victor Mahillon, of a flute in the Brussels Museum, which in turn is a facsimile of one in the Hohenzollern Museum of Berlin.… Replica had silver ferrule on foot, under two keys, evidently not the original.… Head cracked in two places...Aug. 1924!" **Condition:** Has 3 cracks, head joint upper section. Missing brass slide liner (removed by DCM after head joint cracked a month after purchase). Tuning slide tenon out of round. **Provenance:** Eugene Joseph Albert, Brussels, 24 July 1924. Digital image available
0430	**Instrument Type:** French Flageolet **Maker Name:** Buffet-Crampon **Maker Place:** Paris **Maker Date:** 19c **Materials:** Grenadilla, nickel silver keys, ferrules, thumbhole bushing, bone beak. **Keys Holes System:** 5 keys, saltspoon key cups, modern post and rod, 2 on fingerhole joint, 3 on fipple joint, plus 2/4 holes. See DCM 1594. **Physical Description:** 5 sections, including body, fipple, sponge chamber in 2 pieces, and bone mouthpiece. **Measurement:** 37.7 cm. **Condition:** In excellent condition. **Provenance:** William Powell, Birmingham, England, 26 July 1924. Digital image available

Unit Id	*Contents*
0431	**Instrument Type:** Fife in B-flat **Maker Name:** Anonymous **Maker Date:** 20c **Materials:** Nickel plate over brass, with ebonite embouchure tube. **Keys Holes System:** 0/6 holes. **Measurement:** 35.7 cm. **Notes:** DCM ledger: "Current type, used by Boy Scouts, etc." **Provenance:** Mrs. William E. Cory, Mount Wilson, California, 31 Aug. 1924. Digital image available
0432	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** ca. 1877 **Materials:** Silver. **Keys Holes System:** DCM ledger: "Boehm system, Rockstro model, Rockstro F#, high E-F#, C/D shake, C-flat lever (perhaps added by other maker)." Open G#, perforated, large holes. **Physical Description:** 3 sections. **Measurement:** 63.8 cm. **Provenance:** Baxter-Northup Co., Los Angeles, 8 Sept. 1924. Digital image available
0433	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Malo Island, New Hebrides **Materials:** Bamboo, lashed together with braided grass. **Physical Description:** 3 pipes. **Measurement:** 20.1 cm. (shortest), 24.7 cm. (longest) **Notes:** DCM ledger: "The long cane flute (No. 436) and the pan pipes (Nos. 433-435) were made by natives of the island of Malo, New Hebrides Islands, and were sent to Sydney for an Exhibition of Mission Work. I can guarantee them as genuine native pipes and flute." Letter from Clarence Elkin, 15 July 1924. **Condition:** Cracked. **Provenance:** Clarence Elkin, North Sydney, New South Wales, Australia, Sept. 1924. Digital image available
0434	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Malo Island, New Hebrides **Materials:** Bamboo, lashed together with braided grass. **Physical Description:** 10 pipes. **Measurement:** 10.3 cm. (shortest), 22 cm. (longest), 25 cm. (maximum frame) **Notes:** See DCM 433. **Provenance:** Clarence Elkin, North Sydney, New South Wales, Australia, Sept. 1924. Digital image available

Unit Id	*Contents*
0435	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Maker Place:** Malo Island, New Hebrides **Materials:** Bamboo, lashed together with braided grass. **Physical Description:** 10 pipes. **Measurement:** 15 cm. (shortest), 22.7 cm. (longest) **Notes:** See DCM 433. DCM ledger: "The pipes are so arranged that two pipes, in major or minor thirds, can be sounded at one time." **Provenance:** Clarence Elkin, North Sydney, New South Wales, Australia, Sept. 1924. Digital image available
0436	**Instrument Type:** Notched Flute **Maker Name:** Anonymous **Maker Place:** Malo Island, New Hebrides **Materials:** Bamboo, thin-walled. **Keys Holes System:** 0/3 holes. **Physical Description:** Natural septum at bottom. **Measurement:** 65.4 cm. **Notes:** See DCM 433. DCM ledger: "Flute was badly broken in the mail." **Provenance:** Clarence Elkin, North Sydney, New South Wales, Australia, Sept. 1924. Digital image available

Unit Id	*Contents*
0437	**Instrument Type:** Kooauau (End-blown Flute) **Maker Name:** Anonymous, Maori **Materials:** Unidentified wood, brown. **Keys Holes System:** 0/3 holes. **Measurement:** 16.1 cm. **Notes:** Tapered on each end, and containing (pasted to it) the following label: "Maori flute from East of North Island New Zealand." A description of this instrument is provided by Joseph Corkill(?) of Wairoa, New Zealand, to Clarence Elkin of North Sydney in 1924. Elkin copied this description in his letter to DCM, 15 July 1924: "Dear Mr. Elkin, After a good deal of trouble I have managed to secure a Maori KOAUAU or native flute. Though I have lived in N Zealand for over 35 years this is the first one I have seen. I have often heard about the Maori flute but had not [seen] one before. They are only in use away in the back blocks. I am told that the instrument is usually blown with the nose, but is also blown with the mouth. I feel sure you will never get any music out of it, but the Maori who brought it to me could play a little - enough to hear the tone - which is soft, full, and very pleasing. The Maori tunes are very simple & sound more like a dirge than anything else. Although there are only 3 holes they appear to manufacture a few more notes with the mouth. To play - you blow with the small end - put one edge of the hole to the side of your mouth. The angle is something like holding a flute & as you blow softly the wind strikes the other edge of the hole. The angle is determined so that the edge of the hole in the flute seems to split the wind in two & makes the sound. (Note here by C[orkill] 'It seems that our grandfathers or g. g. grandfathers were not the ones to introduce the modern transverse flute; the Maoris held this above described flute like our modern flute.') The flute sent you has a history. It belonged to an old Maori Chief in the URIWERA country North Island New Zealand near Lake Waikaremoana. The chief is now dead. His name was AURAE or in English 'July.' This flute was found among his belongings & was destined to be burnt. It is the custom to burn all the knicknacks and clothes belonging to the dead and even money if it is in their pockets. I hope this will reach you safely & may it suit your purpose for the Museum." **Provenance:** Clarence Elkin, North Sydney, New South Wales, Australia, Sept. 1924. Formerly owned by a Maori chief, Aurae (meaning "July"), from the Uriwera country, North Island New Zealand, near Lake Waikaremoana. Digital image available
0438	**Instrument Type:** Flute in C **Maker Name:** Rudall Rose Carte & Co. **Maker Place:** London **Maker Date:** ca. 1854 **Materials:** Cocus, silver keys and ferrules. **Keys Holes System:** Boehm's 1832 system, conical, open G#, post and rod direct mount, foot to C with roller. **Physical Description:** 3 sections, tuning slide in head, conical. **Measurement:** 65.5 cm. **Notes:** DCM ledger: "Head lined, cork with metal face." **Condition:** Head joint, both sections, cracked. Ferrule missing on foot. **Provenance:** J. Clayton Boyes, Bushey, England, Sept. 1924. Digital image available

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0439	**Instrument Type:** Flute in C **Maker Name:** Boosey **Maker Place:** London **Maker Date:** ca. 1856 **Materials:** Cocus, silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys (large toneholes). Pin in block, modern style key cups with pewter plugs for low C#, C. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 65.8 cm. **Condition:** Head joint, both sections, cracked. Small crack at socket of foot joint. **Provenance:** David Hirschler, San Francisco, 10 Sept. 1924. Digital image available
0440	**Instrument Type:** Flute in C **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** 1824-1837 **Materials:** Cocus, silver patented tuning screw cap and ferrule at embouchure, silver keys, ferrules. Animal horn ferrules. **Keys Holes System:** 13 keys, round flat flaps, pin in block. Foot to B-flat. All foot joint keys are metal plug over square tonehole plates. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 74.5 cm. **Notes:** Each of 3 sockets terminates with a brown animal horn ferrule above the silver ferrule. Barrel joint unusually short externally speaking, most of its length being an unequally long tenon (3.5 cm.). **Condition:** Head joint, both sections, cracked. **Provenance:** J. Clayton Boyes, Bushey, England, 8 Oct. 1924. Digital image available
0441	**Instrument Type:** Oboe in C **Maker Name:** Alexander, Gebrüder **Maker Place:** Mainz **Maker Date:** mid 19c **Materials:** Ebony, nickel silver keys, ivory ferrules, nickel silver ferrule above baluster. **Keys Holes System:** 14 keys, likely original, 2 finger rings on the lower joint for the automatic F#. To low B. Low B lever at rear of instrument passes under thumb rest and is activated by LH little finger. Pin in block, except for short F and first finger LH twinned holes. **Physical Description:** 3 joints, tuning slide in top joint just above baluster. **Measurement:** 55.15 cm. **Notes:** Interesting combination (mid-19th century Austrian-German hybrid) of block mounts and very delicate posts and rod, seemingly original, because F key on posts connects to duplicate in wooden block mount. **Condition:** C# trill key missing, left third finger. Upper joint tenon broken off, and cracked near slur key block, repaired with 3 cross pins. Lower joint crack in socket. Several cracks in bell at socket. Bottom of bell chipped. **Provenance:** Robert J. Shackleton, Lyon & Healy, Chicago, 15 Oct. 1924. Digital image available

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0442	**Instrument Type:** Flute in C **Maker Name:** Pollmanini **Maker Place:** New York **Maker Date:** 19c **Materials:** Grenadilla, ivory upper head portion, nickel silver cap, keys, ferrules, end ferrule. **Keys Holes System:** 13 keys, including left thumb G#, foot to B. **Physical Description:** 3 sections, tuning slide, no separate foot joint. **Measurement:** 70.35 cm. **Notes:** DCM ledger: "Voight says August Pohlmann New York". [Henry August Pollman?] **Condition:** Head joint, both sections, cracked. **Provenance:** W. H. Frederick, Oberlin, Ohio, 18 Oct. 1924. Formerly owned by Arthur E. Heacox, Oberlin, Ohio. Digital image available
0443	**Instrument Type:** Clarinet in D **Maker Name:** Anonymous **Maker Date:** turn of 19c **Materials:** Ivory, silver keys, highly engraved, with highly engraved gold plate soldered to key, all key toneholes silver bushed. **Keys Holes System:** 5 keys, shallow oval cups, pin in block. **Physical Description:** 3 sections. **Measurement:** 52.1 cm. **Notes:** Ivory mouthpiece. **Condition:** Bottom of bell has large chip, detached. **Provenance:** M. Earl, Oakland, California, 31 Oct. 1924. Digital image available
0444	**Instrument Type:** Flute in C **Maker Name:** Henry Starck **Maker Place:** London **Maker Date:** 1876-p1950 **Materials:** Rosewood(?), bright nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, Nicholson holes, shallow saltspoon, post and rod direct mount. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.2 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** Baxter-Northup Co., Los Angeles, 3 Nov. 1924. Digital image available

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0445	**Instrument Type:** Flute in C **Maker Name:** John Simpson **Maker Place:** London **Maker Date:** ca. 1826- ca. 1830 **Materials:** Boxwood, ivory cap and ferrules, silver keys. **Keys Holes System:** 4 keys, square flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 59.75 cm. **Condition:** Springs missing from G#, F, E-flat keys, although rivets are still present. Bottom ferrule cracked and chipped. **Provenance:** William Powell, Birmingham, England, 4 Nov. 1924. Digital image available
0446	**Instrument Type:** Vertical or Horizontal Whistle Flute **Maker Name:** Hercule, trade name, employed by C. Ullmann **Maker Place:** Paris **Maker Date:** 20c **Materials:** Nickel-plated pewter. **Keys Holes System:** 0/6 holes. **Physical Description:** 1 piece with 3 head joints, one transverse, 2 vertical. "Multiflute". **Measurement:** 28.15 cm., 30.65 cm., 35.45 cm. **Notes:** One of the vertical head joints has extended tubing above the block in imitation of a flageolet mouthpiece. **Case:** With blue cardboard case, and accompanying cleaning rod, cloth and fingering chart for "Système Ch. Mathieu." **Provenance:** Music store, Boylston Street, Boston, 10 Nov. 1924. Digital image available
0447	**Instrument Type:** Piccolo in C **Maker Name:** Emil Rittershausen **Maker Place:** Berlin **Maker Date:** turn of 20c **Materials:** Grenadilla, nickel silver keys and ferrules, metal-lined socket. **Keys Holes System:** Boehm system, conical, closed G#. Post and rod on ribs. **Physical Description:** 2 sections. **Measurement:** 30.3 cm. **Condition:** Head cracked at socket. **Provenance:** William S. Haynes, Boston, 11 Nov. 1924. Digital image available

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0448	**Instrument Type:** Piccolo in C **Maker Name:** George Winfield Haynes **Maker Place:** New York **Maker Date:** 1888 **Materials:** Cocus, silver keys and ferrules. **Keys Holes System:** Boehm system, cylindrical, closed G#. Post and rod. **Physical Description:** 2 sections plus extra head joint. **Measurement:** 30.3 cm., 31 cm. **Provenance:** William S. Haynes, Boston, 11 Nov. 1924. Digital image available
0449	**Instrument Type:** Flute in C **Maker Name:** Clementi & Co. **Maker Place:** London **Maker Date:** 1802-1831 **Materials:** Cocus, silver keys, ferrules, lip plate, metal-lined head. Cork-setting mechanism is ivory with silver shaft. **Keys Holes System:** 8 keys (Nicholson's Improved), saltspoon, with pewter plugs for C#, C. Both F keys on RH joint are not original, although both may have been added later in the Clementi shop. The short F key mounting block is not integral and has been placed over the site of the original block. The upper C key mounting block (pivet block not guide block) is a replacement. Dual springs on upper joint. The three keys have dual springs; one riveted to the key, one screwed to the instrument. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66 cm. **Notes:** Silver ferrules continue the closely spaced groove decoration. **Condition:** Head joint, upper section, cracked. B-flat key mount (one of two) is broken off and missing. **Provenance:** J. Clayton Boyes, Bushey, England, 2 Dec. 1924.
0450	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1817 **Materials:** Clear glass, blue glass cap, silver keys and ferrules. **Keys Holes System:** 4 keys, foot to D. Flat curved flaps on metal flanges, bolted to body except D#, which is soldered to foot joint socket ferrule. D# key includes the articulated pivot design for proper seat alignment. **Physical Description:** 4 sections. Frosted glass, fluted exterior. **Measurement:** 61.15 cm. **Notes:** Safety hook flanges on all three joints, but the hook for the foot joint appears never to have been installed. **Condition:** Safety hook missing from the middle joint. **Provenance:** Grace Gassette, Paris, 2 Dec. 1924. Digital image available

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0451	**Instrument Type:** Flute in C **Maker Name:** G. Peachey **Maker Place:** London **Maker Date:** 19c **Materials:** Figured boxwood, ivory head cap and cork-setting mechanism and ferrules, silver keys, brass-lined head. **Keys Holes System:** 6 keys, saltspoon, except low C#, C, with pewter plug pads and silver rectangular plug seats. Pin in block. Large principal rank toneholes nearly full Nicholson. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.3 cm. **Condition:** Head joint, upper section and ferrule, cracked. **Provenance:** M. Earl, Oakland, California, 9 Dec. 1924. Digital image available
0452	**Instrument Type:** Flute in C **Maker Name:** Louis Lot **Maker Place:** Paris **Maker Date:** 1880 **Materials:** Silver. **Keys Holes System:** Boehm system, with five open holes, closed G#. Foot to C with roller. **Physical Description:** 3 sections. **Measurement:** 67.9 cm. **Notes:** According to DCM, originally open-holed; holes covered (DCM ledger states covered by Geo. Haynes), and then covers removed later ("restored", by Wm. S. Haynes, 10 May 1926). **Provenance:** Charles D. Chapman, Morristown, New Jersey, 15 Dec. 1924. According to DCM ledger, this flute was made for Howard Coghill, who told George Haynes it was made in 1880 or 1881. Digital image available

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0453	**Instrument Type:** Flute in C **Maker Name:** Anonymous, English **Maker Date:** 19c **Materials:** Ivory, silver cap, keys, and ferrules. **Keys Holes System:** 8 keys, foot to C, typical 19c English style. Keys engraved all over, of unusual design. Described by DCM as follows: "flat flaps, hinged at one edge, closing down like a trap-door, raised by a lever engaging in a loop on the upper side." Six of the keys are mounted standard pin in block style. Two (long F and upper C) are mounted in bassoon-like metal saddles, which DCM felt may have been later additions. However, they could also be original for purposes of covering no more carved area than necessary. The metal key mounts are affixed not with a standard downward screw design, but apparently have a sort of integral silver keel-like element morticed into the ivory and held in place with a metal pin, looking very much like the crack-preventing pins commonly found on English clarinets of the period. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.85 cm. **Notes:** DCM ledger: "Possibly by J. Wood." Ivory, highly elaborately carved with oriental and floral design. The head joint tuning slide mechanism is unusual structurally speaking. Most of the upper section is not metal lined. The tuning slide male tube (silver) contains a brass threaded ferrule, which is held in place by corresponding threads in the ivory tube. The lower section or barrel of the head joint then contains threads cut into its upper end, which in turn takes a brass ferrule containing corresponding threads which then becomes the outer tube of the tuning slide assembly. **Condition:** Head joint, upper section, 2 small cracks. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 1 Jan. 1925. Digital image available
0454	**Instrument Type:** Vertical Whistle Flutes **Maker Name:** Anonymous **Maker Place:** Bengali Province, India **Maker Date:** early 20c **Materials:** Sheesum wood, stained red, copper bottom ferrule. **Keys Holes System:** 0/5 holes. **Physical Description:** Pair of wooden vertical whistle flutes. **Measurement:** 43.9 cm., 44.1 cm. **Notes:** According to DCM ledger, he understood these to be Nose Flutes, to be played together in unison, one in each nostril, and he therefore suspected that only the upper 4 of 5 lateral holes would be covered. However, each may be a mouth-blown vertical flute, utilizing both hands and all 5 fingerholes. See DCM 455. **Provenance:** J. S. Lovejoy, Calcutta, India, 28 Jan. 1925. Digital image available

Unit Id	*Contents*
0455	**Instrument Type:** Vertical Whistle Flutes **Maker Name:** Anonymous **Maker Place:** Bengali Province, India **Maker Date:** early 20c **Materials:** Bamboo, stained with alternating red and blue painted bands. **Keys Holes System:** 0/5 holes. **Physical Description:** Pair of bamboo whistle flutes with recorder-like block and mouthpiece. **Measurement:** 31.6 cm. (each pipe) **Notes:** See DCM 454. **Provenance:** J. S. Lovejoy, Calcutta, India, 28 Jan. 1925. Digital image available
0456	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Bengali Province, India **Materials:** Sheesum wood, stained red, brass bottom ferrule. **Keys Holes System:** 1/7 holes. **Measurement:** 29.1 cm. **Condition:** Between fingerholes 3 and 4 there is a damaged area affecting the edge of fingerhole 3, and looking to be intentionally gouged; reason unknown, and apparently not finished. **Provenance:** J. S. Lovejoy, Calcutta, India, 28 Jan. 1925. Digital image available
0457	**Instrument Type:** Gawaq (Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Bengali Province, India **Materials:** Bamboo, decorated with incised lines. **Keys Holes System:** 1/7 holes. **Measurement:** 32 cm. **Condition:** Tube cracked. **Provenance:** J. S. Lovejoy, Calcutta, India, 28 Jan. 1925. Digital image available
0458	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Bengali Province, India **Materials:** Bamboo, decorated with incised lines. **Keys Holes System:** 1/7 holes. **Measurement:** 32 cm. **Condition:** Tube cracked. **Provenance:** J. S. Lovejoy, Calcutta, India, 28 Jan. 1925. Digital image available

Unit Id	*Contents*
0459	**Instrument Type:** Bansuri (Transverse Flute) **Maker Name:** Anonymous **Maker Place:** Bengali Province, India **Materials:** Bamboo, decorated with incised lines. **Keys Holes System:** 0/6 holes, holes burned in. **Measurement:** 34.7 cm. **Provenance:** J. S. Lovejoy, Calcutta, India, 28 Jan. 1925. Digital image available
0460	**Instrument Type:** Flute in C **Maker Name:** Emil Rittershausen **Maker Place:** Berlin **Maker Date:** ca. 1916 **Materials:** Silver plated. **Keys Holes System:** Boehm system, closed G#, foot to B. Rollers for low C, B. Split E. **Measurement:** 71.2 cm. **Provenance:** George W. Haynes, New York, 27 Feb. 1925. Digital image available
0461	**Instrument Type:** Flute in C **Maker Name:** Henry Fentum **Maker Place:** London **Maker Date:** ca. 1840-1845 **Materials:** Cocus, nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs for low C#, C over square plates. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.3 cm. **Condition:** Head joint, both sections, cracked. Middle joint socket cracked. **Provenance:** J. Clayton Boyes, Bushey, England, 11 Mar. 1925. Digital image available
0462	**Instrument Type:** Flute in A-flat **Maker Name:** Key **Maker Place:** London **Maker Date:** a1805-1858 **Materials:** Boxwood, ivory cap and ferrules, brass keys. **Keys Holes System:** 4 keys, round flat flaps. **Physical Description:** 2 sections. **Measurement:** 40 cm. **Provenance:** J. Clayton Boyes, Bushey, England, 11 Mar. 1925. Digital image available

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0463	**Instrument Type:** Flute in C **Maker Name:** Thomas Prowse **Maker Place:** London **Maker Date:** 1832-1868 **Materials:** Boxwood, stained dark brown, ivory end cap and ferrules, silver keys. **Keys Holes System:** 4 keys, square flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 59.75 cm. **Condition:** Upper body warped. Embouchure hole has been vastly enlarged. Principal rank fingerholes enlarged but less than standard Nicholson model. **Provenance:** J. Clayton Boyes, Bushey, England, 15 Apr. 1925. Digital image available
0464	**Instrument Type:** Flute in C **Maker Name:** W. Milhouse **Maker Place:** London **Maker Date:** 1797-1822 **Materials:** Rosewood(?), silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs for low C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.6 cm. (as is) **Notes:** Embossed ferrules. **Condition:** Head joint, both sections, cracked. Missing wood cap. Head reduced in diameter at embouchure. Upper nickel silver C key is a modern replacement, as is the finger lever half of the F key. **Provenance:** J. Clayton Boyes, Bushey, England, 15 Apr. 1925.
0465	**Instrument Type:** Piccolo in E-flat **Maker Name:** Hawkes **Maker Place:** London **Maker Date:** ca. 1905 **Materials:** Grenadilla, rubber barrel, nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 6 keys, modern style key cups, post and rod. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 26 cm. **Condition:** Head joint, upper section, cracked. Bottom ferrule missing. **Provenance:** William Powell, Birmingham, England, 16 May 1925. Digital image available

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0466	**Instrument Type:** Flute in C **Maker Name:** William Henry Potter **Maker Place:** London **Maker Date:** 1806-1814 **Materials:** Boxwood, ivory cap, cork-setting mechanism, and ferrules, silver keys, metal-lined head. **Keys Holes System:** 4 keys, pewter plug pads over metal-lined holes, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 60 cm. **Condition:** Head joint, upper section, two cracks, the ferrule of which appears to be a replacement. A portion of the F key block is broken and missing, it having been repaired (possibly period repair) with a brass staple to support one end of the pin. **Provenance:** Pierce's Old Book and Curio Shop, Berkeley, California, 11 Apr. 1925. Digital image available
0467	**Instrument Type:** Flute in C **Maker Name:** Boie **Maker Place:** Goettingen **Maker Date:** turn of 18c **Materials:** Unidentified dark wood, possibly stained, ivory head cap with boxwood cork-setting mechanism, ivory ferrules, and silver keys. **Keys Holes System:** 2 keys (D#, G#), square flat flaps, pin in block. See Notes. **Physical Description:** 4 sections plus 2 extra upper body joints. **Measurement:** 60.5 cm., 61.3 cm., 62.2 cm. **Notes:** The embouchure hole has a nearly rectangular inlay, perhaps applied to correctly recut the embouchure hole. The shortest corps de rechange (no. 3) has an added silver B-flat key left thumb applied with a small and decorative silver key saddle. **Condition:** Head joint cracked in socket although its ferrrule is not affected. The head joint wood has light streaks on the back indicating either adjacent sapwood or a stained area showing wear. Foot joint crack in socket but not affecting the ferrule. **Provenance:** G. Meriggioli, Milan, 20 Apr. 1925. Digital image available
0468	**Instrument Type:** Flute in C **Maker Name:** Staudinger **Maker Place:** Dresden **Maker Date:** 1819 **Materials:** Boxwood, medium stain, brass key, animal horn ferrules. **Keys Holes System:** 1 key, square flat flap. **Physical Description:** 4 sections. **Measurement:** 58.05 cm. (without cap) **Condition:** Flute acquired by DCM without cap (likely animal horn). Crack in head. **Provenance:** G. Meriggioli, Milan, 20 Apr. 1925. Digital image available

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0469	**Instrument Type:** Flute in C **Maker Name:** Bernhart **Maker Place:** Germany(?) **Maker Date:** late 18c(?) **Materials:** Boxwood, ivory cap and ferrules, ivory/boxwood cork-setting mechanism, silver key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60 cm. **Notes:** The upper body joint in place of the 1[?] has a "2" likely indicating this is one of a number of corps de rechange. **Provenance:** G. Meriggioli, Milan, 20 Apr. 1925. Digital image available
0470	**Instrument Type:** Flute in C **Maker Name:** Theobald Boehm **Maker Place:** Munich **Maker Date:** 1847 **Materials:** Brass, ivory embouchure barrel, nickel silver cap, keys, and ferrules. Originally gold-plated exterior. **Keys Holes System:** Boehm system, cylindrical, open G#. **Physical Description:** 2 sections, body and foot in one piece. **Measurement:** 62.2 cm. **Notes:** See DCM 652 (Boehm No.1). DCM ledger quotes Boehm's account book: "No. 2. 1847. September 20. Eine Floete von Messing und vergoldet mit Ringkappen von Neusilber gleich No. 1." DCM ledger: "Head very short, with ivory ring for embouchure [embouchure barrel]; original rectangular blow-hole; a second oval hole has been recently cut in another place. C# hole (upper) has been moved up and made smaller." Original tonehole neatly patched with nickel silver disk. **Case:** DCM ledger: "Case, not original? Initials: L.W." **Condition:** Ivory embouchure ferrule cracked through original embouchure hole; later filled. Thumb key pad cup and screw missing. Spring posts and springs missing for low C, C#, D# and all ring keys. Crutch missing. **Provenance:** G. Meriggioli, Milan, 20 Apr. 1925. Digital image available

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0471	**Instrument Type:** Flute (Body Joint only) **Maker Name:** [Attributed to Theobald Boehm] **Maker Place:** [Munich] **Maker Date:** [likely 1846] **Materials:** Brass. **Physical Description:** 1 piece. **Measurement:** 31.9 cm. **Notes:** This appears to represent the middle section of a 3-piece cylindrical Boehm system. DCM ledger: "This is the 'experimental flute with moveable holes', described by Boehm in all of his books, used for determining the exact location of toneholes by trial." (Versuchen nothwendigen Modelle.Versuchsfloetenrohr.) The device consists of 1: an inner brass pipe perforated with 11 holes of varying diameter; and 2: tightly fitting over this tube are 13 sheet brass ferrules, each containing 2 tonehole perforations with simulated tonehole chimney elevation tubes, except for 4 which each have only 1 elevation element; and 3: all of these are moveable as a means of partially covering the inner tube perforations to accurately locate tonehole placement. Date given by Manfred H. Schmid. **Condition:** One tonehole elevation missing. **Provenance:** G. Meriggioli, Milan, 20 Apr. 1925. Digital image available
0472	**Instrument Type:** Flute in C **Maker Name:** Johann Adolph Neddermann **Maker Place:** Hannover **Maker Date:** 1817-1845 **Materials:** Grenadilla(?), wood cap, nickel silver keys and ferrules, key toneholes are metal-lined, ivory rollers. **Keys Holes System:** 10 keys, modern style key cups, foot to B, with ivory rollers for C#, C. **Physical Description:** 3 sections, tuning slide (no separate foot joint). **Measurement:** 71.2 cm. **Condition:** Head joint, both sections, cracked. Ferrules missing from lower joint socket. Cracks at end of foot joint, repaired with 3 pins. **Provenance:** J. Clayton Boyes, Bushey, England, 30 Apr. 1925. Digital image available
0473	**Instrument Type:** Flute in C **Maker Name:** Hermann Wrede **Maker Place:** London **Maker Date:** 1814-1829 **Materials:** Boxwood, brass keys, ivory ferrules, [ivory cap?]. **Keys Holes System:** 4 keys, square flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.5 cm. **Condition:** DCM ledger: "Cap and B-flat key missing." **Provenance:** D. J. Mydans, Boston, 30 Apr. 1925. Digital image available

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0474	**Instrument Type:** Flute in C **Maker Name:** Emil Rittershausen **Maker Place:** Berlin **Maker Date:** ca. 1900 **Materials:** Grenadilla, silver-plated keys and ferrules, metal-lined head. **Keys Holes System:** Boehm system, cylindrical, closed G#. **Measurement:** 67.5 cm. **Notes:** Head joint fully lined with a metal pipe which terminates as a tuning slide within the socket. With crutch. **Condition:** Small crack in head joint socket. Crack in foot joint through D# hole. **Provenance:** George W. Haynes, New York, 6 May 1925. Digital image available
0475	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1814 **Materials:** Clear glass, silver keys, ferrules, sockets. Faceted rock crystal "rose-cut" cap (same as DCM 378). **Keys Holes System:** 4 keys, round flat flaps, foot to D. B-flat and F keys have post and rod affixed to silver oval flange bolted to body of instrument. The G# and D# keys are the same, but soft-soldered to their respective silver ferrules. The D# pad flap is articulated with a pivot screw for assured alignment with pad seat. **Physical Description:** 4 sections plus corps de rechange (extra upper joint). Fluted exterior except at toneholes and keys. **Measurement:** 60.85 cm., 62.55 cm. **Notes:** With 3 pewter rings, in case. Locks on both joints. **Provenance:** Francis Rotch, Seattle, Washington, 12 May 1925. Digital image available
0476	**Instrument Type:** Flute in C **Maker Name:** Card **Maker Place:** London **Maker Date:** 1845-1862 **Materials:** Cocus, bright nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, shallow saltspoon with round flaps for low C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 64.5 cm. **Condition:** Head joint, both sections, cracked. Portion of upper C key guide block missing, key spring missing. Long F key contains folk repair for former break near spring rivet. Crack at socket of middle joint. Low C# plug replaced with unidentified material. **Provenance:** A. Stuttaford, Buffalo, New York, 22 May 1925. Digital image available

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0477	**Instrument Type:** Flute in C **Maker Name:** Otto Mönnig **Maker Place:** Leipzig **Maker Date:** 1891-1943 **Materials:** Grenadilla, nickel silver with silver plate keys, ferrules, ribs, metal-lined sockets and metal upper tenon body joint. **Keys Holes System:** Boehm system, Schleif key, closed G#, grenadilla roller for low C. **Measurement:** 67.1 cm. **Notes:** With wood crutch. **Case:** Case is inscribed on silk inside, marked with medals won, awards received. **Provenance:** Baxter-Northup Co., Los Angeles, 9 June 1925. Digital image available
0478	**Instrument Type:** One-Handed Flute in C, for the right hand **Maker Name:** V. Kohlert's Söhne **Maker Place:** Graslitz **Maker Date:** 1917 **Materials:** Grenadilla(?), nickel silver keys and ferrules. **Keys Holes System:** Boehm system, cylindrical bore, open G#, foot to C. Described by DCM as Boehm system, meaning Boehm principles including large tonehole dimensions, and fully vented with 13 of 15 toneholes having open standing keys. **Physical Description:** 2 sections. **Measurement:** 67.55 cm. **Notes:** See DCM 183. Designed for a one-handed player, missing the hand and/or arm. The complicated key work assigns 5 key levers to the thumb, and 13 keys to the four fingers. A one- or two-contact point stable stand was probably necessary. This instrument, and DCM 479, appear to date from around WWI, possibly pertaining to anyone returning from military campaigns and unfortunately thus requiring such a design. **Condition:** Head joint, both sections, cracked. **Provenance:** G. Meriggioli, Milan, 1 June 1925. Digital image available
0479	**Instrument Type:** One-Handed Flute in C, for the left hand **Maker Name:** V. Kohlert's Söhne **Maker Place:** Graslitz **Maker Date:** 1917 **Materials:** Grenadilla(?), nickel silver keys and ferrules. **Keys Holes System:** Boehm system, cylindrical bore, open G#, foot to C. **Physical Description:** 2 sections. **Measurement:** 67.55 cm. **Notes:** See DCM 478. This is made in reverse for a performer missing the right hand and/or arm. **Condition:** Head joint cracked. **Provenance:** G. Meriggioli, Milan, 1 June 1925. Digital image available

Unit Id	*Contents*
0480	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Red Fox, North American Indian (Qupaw) **Maker Place:** Miami, Oklahoma **Maker Date:** 1925 **Materials:** Tube of soft wood, pine or spruce, nickel silver bands. **Keys Holes System:** 0/6 holes holes plus 5 vent holes. Fingerholes are bored into a flat section, which also has an intentionally carved finger notch just above the highest tonehole, indicating that the player played with right hand on top. **Physical Description:** Tube is gouged out of 2 halves, glued together and secured with nickel silver bands, with braised seams, apparently made for this instrument. **Measurement:** 64.9 cm. **Notes:** The instrument is finely finished on the exterior, the upper half being stained a rich brown, and the lower half having three color schemes consisting of a blond middle section area, with the fingerhole flat stained brown as above, and the lower fourth of the instrument painted black and containing 5 ventholes, 3 round and 2 shaped like a 4-pointed star. The flue plate is lead and the wood flue cover is carved like a horse's head and neck. The mouthpipe is a bored-out sewing thimble over a wooden inner pipe. Rather than lashed with a leather thong, the flue cover is attached with a braided steel wire. The maker appears to have had access to a well-equipped shop, including a wood lathe. DCM ledger quotes letter from Thurlow Lieurance, who gave the flute to Miller: "This was made by Red Fox, a Qupaw Indian at Miami Oklahoma. I suppose this will be the last flute ever made by an Indian of this tribe. There are only about one hundred of them left. The old fellow tried to make an elaborate instrument. I have never seen an Indian flute just like this one." **Condition:** Mouthpipe has been forced into the bore, thereby opening the seam at the upper end. It has been repaired with a brass wire. **Provenance:** Thurlow Lieurance, Lincoln, Nebraska, 9 June 1925. Digital image available
0481a	**Instrument Type:** Flute in C **Maker Name:** Joseph Wallis **Maker Place:** London **Maker Date:** 1848-1928 **Materials:** Ebonite, nickel silver keys and ferrules. **Keys Holes System:** Giorgi system, see DCM 112. This instrument shares the same fingering scheme as DCM 112 with the added convenience of having open standing keys for C#, G#, and low D#. **Physical Description:** 2 sections. **Measurement:** 52.7 cm. **Provenance:** William Powell, Birmingham, England, 9 June 1925. Digital image available

Unit Id	*Contents*
0481b	**Instrument Type:** Flute in C **Maker Name:** Joseph Wallis **Maker Place:** London **Maker Date:** 1848-1928 **Materials:** Ebonite, nickel silver keys and ferrules. **Keys Holes System:** Giorgi system, see DCM 112. This instrument shares the same fingering scheme as DCM 112 with the added convenience of having open standing keys for C#, G#, and low D#. **Physical Description:** 2 sections. **Measurement:** 52.1 cm. **Provenance:** Source not known. Digital image available
0482	**Instrument Type:** English Flageolet **Maker Name:** Anonymous **Materials:** Boxwood, metal (type?) key, bone beak. **Keys Holes System:** 1/7 holes, 1 key with round flat flap, pin in block. **Physical Description:** 2 sections, upper body with 2-piece fipple and windcap. **Measurement:** 40.34 cm. **Provenance:** William Powell, Birmingham, England, 9 June 1925. Digital image available
0483	**Instrument Type:** Flageolet-Piccolo **Maker Name:** Anonymous **Materials:** Cocus, nickel silver key and ferrules. **Keys Holes System:** 0/6 holes plus 1 key, saltspoon, pin in block. **Physical Description:** 3 sections, see Notes. **Measurement:** 29.85 cm. **Notes:** DCM ledger: "Blown by means of a small ivory tube set in the side of the German silver tube forming the wind chamber at top." The instrument consists of 3 joints, right hand fingerhole section, LH fingerhole section and fipple head joint with lateral ivory mouthpiece (DCM), now missing. The section taking the mouthpiece is covered with a wide nickel silver ferrule. It is possible that this instrument once had an interchangeable transverse head joint, i. e., a combination flageolet-piccolo. Due to improper fingerhole placement, it is difficult to determine the intended key of the instrument. **Provenance:** William Powell, Birmingham, England, 9 June 1925. Digital image available

Unit Id	*Contents*
0484	**Instrument Type:** Flute in C **Maker Name:** Townsend **Maker Place:** Manchester **Maker Date:** 1819-1869 **Materials:** Boxwood, ivory cap, cork-setting mechanism and ferrules, metal-lined head, silver keys. **Keys Holes System:** 6 keys, pewter plugs over metal-lined holes, foot to C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 61.7 cm. **Notes:** DCM: "Flute exactly of Potter's pattern, perhaps made by him for Townsend." **Condition:** Head joint, both sections, cracked, including both ferrules. **Provenance:** William Powell, Birmingham, England, 7 July 1925. Digital image available
0485	**Instrument Type:** Flute in E-flat **Maker Name:** Whitaker **Maker Place:** London **Maker Date:** late 18c/early 19c **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 51.3 cm. **Condition:** Both body joints warped. **Provenance:** Miss E. M. Williat-Jones, London, 11 July 1925. Digital image available
0486	**Instrument Type:** Band Flute in A-flat **Maker Name:** Hawkes **Maker Place:** London **Maker Date:** ca. 1905 **Materials:** Cocus body and head joint upper section, ebonite barrel, nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 6 keys, round flaps, post and rod, direct mount, modern style key cups. D# key access perpendicular to tube and equipped with unusually wide finger spatula (18.5 mm.). **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 37.9 cm. **Provenance:** Lyon & Healy, Chicago, 15 July 1925. Digital image available

Unit Id	*Contents*
0487	**Instrument Type:** Band Flute in A-flat **Maker Name:** Hawkes **Maker Place:** London **Maker Date:** ca. 1905 **Materials:** Cocus, ebonite barrel, nickel silver keys, ferrules and lined body tenon. **Keys Holes System:** 12 keys; 6 principal rank plus 6 covered holes, post and rod. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 37.95 cm. **Provenance:** Lyon & Healy, Chicago, 15 July 1925. Digital image available
0488	**Instrument Type:** Piccolo in D-flat **Maker Name:** Theodore Berteling **Maker Place:** New York **Maker Date:** late 19c **Materials:** Grenadilla, silver ferrules, metal-lined head. **Keys Holes System:** Boehm system, closed G#, D-natural trill. DCM ledger: "Keys have been altered. Keys of unique design. G keys hinged on outside. Originally had 4 rings, lower 2 rings have been covered and finger-extension pieces have been added; D# key has been moved and extended, lower post of body keys has been fastened to g.s. [German silver] plate." **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 29.3 cm. **Provenance:** M. Earl, Oakland, California, 29 Aug. 1925. Digital image available
0489	**Instrument Type:** Zummāra (Double Pipe, Single Reeds) **Maker Name:** Anonymous **Maker Place:** Near East **Maker Date:** 19c **Materials:** Bamboo, bound with string. **Keys Holes System:** 0/6 holes. **Physical Description:** Each pipe is one section. **Measurement:** 19.85 cm. **Condition:** Missing both upper shank and reed sections. **Provenance:** Pierce's Old Book and Curio Shop, Berkeley, California, 31 Aug. 1925. Digital image available

Unit Id	*Contents*
0490	**Instrument Type:** Minteki (Transverse Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo, bone ferrules. **Keys Holes System:** 0/6 holes plus 2 tassel holes plus 2 vent holes. **Physical Description:** 1 piece. **Measurement:** 54.95 cm. **Notes:** Screw top for membrane compartment. Bamboo, partially stained brown, mottled, and lacquered red inside. Lower ferrule, bone, with brown mottled design, upper bone ferrule with same decoration. **Provenance:** Aoki (Japanese store, sometimes recorded in DCM ledger as Aoki Taisei-Do), San Francisco, 3 Sept. 1925. Digital image available
0491	**Instrument Type:** Flute in C **Maker Name:** Rönnberg & Schröder **Maker Place:** New York **Maker Date:** ca. 1857 **Materials:** Cocus, silver keys and ferrules, rectangular embouchure insert of abalone shell or mother-of-pearl. **Keys Holes System:** 10 keys, modern style key cups, rollers on low C#, C. Keys are mounted in metal saddles (parallel vertical plates soldered to teardrop-shaped flanges). A third F key lever for left thumb, and high D trill is for first finger left hand and opens three small vent holes instead of one large one. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 70.7 cm. **Condition:** Head cracked, upper section, and pinned. Barrel cracked. G# key missing. **Provenance:** Golden State Loan Office, San Francisco, 3 Sept. 1925. Digital image available
0492	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Materials:** Jade, red coral bushing at embouchure, red tassel. **Keys Holes System:** 0/6 holes plus membrane hole plus 2 tassel holes plus 2 vent holes. **Physical Description:** 1 piece. **Measurement:** 44.2 cm. **Notes:** DCM ledger: "...of opaque, marble-like Jade, light color, white, tinged with green, and with black cloudy streaks…. Enlarged end-pieces of main tube of a more translucent 'oyster green' color of Jade." **Condition:** Top of bottom of end piece broken into 5 pieces. A former repair currently adhering two of the three broken parts to the main piece. **Provenance:** The Ming Co., San Francisco, 3 Sept. 1925.

Unit Id	*Contents*
0493	**Instrument Type:** Feng Huang Xiao **Maker Name:** Anonymous, Chinese **Materials:** Jade, carved in one piece, in imitation of bamboo, yellow/brown tassel. **Keys Holes System:** 1/5 plus 2 tassel holes. **Physical Description:** 1 piece. **Measurement:** 56.3 cm. **Provenance:** The Ming Co., San Francisco, 3 Sept. 1925. Digital image available
0494	**Instrument Type:** Whistle (Transverse) **Maker Name:** Anonymous, North American Indian (Sioux?) **Materials:** Cane(?), skin, leather thong. **Keys Holes System:** 1 lateral embouchure hole, deeply recessed. **Physical Description:** Upper end closed by a skin cap tied in place. It is decorated with incised dots and zig-zag snake figures plus leather thong at lower end. **Measurement:** 22.65 cm. **Notes:** DCM ledger: "Sioux Indian Whistle." **Condition:** Crack at lower end (bottom). **Provenance:** Bloch Mercantile, San Francisco, 26 Sept. 1925. Digital image available
0495	**Instrument Type:** Piccolo in C **Maker Name:** C. G. Conn **Maker Place:** Elkhart, Indiana **Maker Date:** 1905 **Materials:** Silver, ebonite head, silver plate with gold-plate key work. **Keys Holes System:** Boehm system, open G#. **Physical Description:** 2 sections. **Measurement:** 32.9 cm. **Provenance:** Harris Loan, San Francisco, 26 Sept. 1925. Digital image available

Unit Id	*Contents*
0496	**Instrument Type:** Flute in C **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** 1838-1847 **Materials:** Rosewood, nickel silver keys, ferrules, and oval lip plate (incorporates half of embouchure), metal-lined head and mounts. **Keys Holes System:** 8 keys, saltspoon, Nicholson style holes. Pewter plugs over square metal plates for low D#, C#, C, pre-cross pinned. Metal-lined pin in block. Dual, reverse pressure leaf springs for each key. **Physical Description:** 4 sections. **Measurement:** 66.25 cm. **Condition:** Head joint, both sections, cracked, including early nickel silver cross pin repair. Extra nickel silver ferrule added at top of upper section to address crack problem. Long F key pin block possibly a replacement, short F key pin block also cracked. Small crack in E-flat key pin block at the location of the original cross pin. Finger spatula of long F key, a nickel silver replacement, silver-soldered and riveted into position. B-flat key pin block broken off, possibly due to the presence of the original iron cross pin, and it contains an early repair consisting of 6 nickel silver tacks. **Provenance:** Lyon & Healy, Chicago, 1 Oct. 1925. Digital image available
0497	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Boxwood, nickel silver keys and ferrules. **Keys Holes System:** 6 keys, modern style key cups. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 48.95 cm. (as is) **Condition:** Head cracked, full length. Partial crack in lower joint. **Provenance:** Lyon & Healy, Chicago, 1 Oct. 1925. Digital image available
0498	**Instrument Type:** Flute in C **Maker Name:** Wünnberg **Maker Place:** Cologne **Maker Date:** 19c **Materials:** Grenadilla, nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 9 keys, round saltspoon, foot to B. Rollers for low C#, C. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 69 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** David Hirschlen, San Francisco, 1 Oct. 1925. Digital image available

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0499	**Instrument Type:** Double Flageolet **Maker Place:** France(?) **Maker Date:** 20c **Materials:** Unidentified base metal, nickel-plated. **Keys Holes System:** 0/6 holes, each pipe. The 2 sets of fingerholes (0/6 holes) are contained on a flattened section, either a separate piece soldered into position, or possibly pressed into form from the original tube. **Physical Description:** This consists of a slightly tapering fingerhole section having a double pipe due to a thin sheet metal wall in the center running the full length. **Measurement:** 27.15 cm. **Notes:** Fused above the flattened fingerhole section is the fipple section and a decorative mouthpiece, terminating in 2 separate mouthpieces apparently allowing either pipe to be played separately. **Provenance:** Source not noted by DCM, 1 Oct. 1925. Digital image available
0500	**Instrument Type:** Flute in C **Maker Name:** Cahusac **Maker Place:** London **Maker Date:** turn of 18c **Materials:** Ivory, silver key and ferrules. **Keys Holes System:** 1 key, square flat flap slightly curved to fit. **Physical Description:** 4 sections. **Measurement:** 60.1 cm. **Notes:** None of the 5 ferrules is original, nor is the head joint cap. **Condition:** Crack in lower body joint socket; key has a fairly crude repair. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 1 Oct. 1925. Digital image available
0501	**Instrument Type:** Flute in A-flat (B) **Maker Name:** Anonymous, likely English **Maker Date:** early 19c **Materials:** Boxwood, ivory cap and ferrules, brass keys. **Keys Holes System:** 4 keys, round flaps. **Physical Description:** 2 sections. **Measurement:** 39.2 cm. **Notes:** This A-flat band flute was sold originally as a B-flat flute, possibly a B-flat fife. See "Fife vs. Band Flute." **Condition:** Head joint cap possibly not original. The upper side of the F key block is a replacement. G# key block is a replacement. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 1 Oct. 1925. Digital image available

Unit Id	*Contents*
0502	**Instrument Type:** Flute in A-flat **Maker Name:** Anonymous, English(?) **Maker Date:** early 19c **Materials:** Boxwood, ivory cap and ferrules, brass keys. **Keys Holes System:** 6 keys, round flaps, pin in block. **Physical Description:** 2 sections. **Measurement:** 37.9 cm. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 1 Oct. 1925. Digital image available
0503	**Instrument Type:** Flute in C (B-flat) **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Pewter. **Keys Holes System:** 0/6 holes. **Physical Description:** 1 piece, with optional mouthpiece. **Measurement:** 36.9 cm. **Condition:** Mouthpiece stem cracked and repaired, probably during the working period of the instrument. The upper end terminates with a clip-on brass ferrule, purpose unknown. **Provenance:** Polly Scully, Lowell, Massachusetts, 1 Oct. 1925. Digital image available
0504	**Instrument Type:** Whistle **Maker Name:** Anonymous **Maker Place:** Republic of Congo **Materials:** Wood, covered with leather and skin, hair. **Keys Holes System:** 0/1 hole. **Measurement:** 33.4 cm. **Notes:** Collected by DCM as a monkey-tail whistle, according to his ledger. It is covered with the skin of a monkey's tail, with the hair intact. **Provenance:** Jean Mignolet, Denver, Colorado, 1 Oct. 1925, who obtained it from C. Fontaine, Brussels Conservatoire. Digital image available
0505	**Instrument Type:** Flute in C **Maker Name:** Martin frères **Maker Place:** Paris **Maker Date:** ca. 1840 **Materials:** Rosewood, silver keys and ferrules. **Keys Holes System:** Boehm 1832 system, conical. 2 key cups are each equipped with opposing adjustment screws. Dorus G#. Roller C#, C. **Physical Description:** 3 sections. **Measurement:** 67.2 cm. **Condition:** Head joint cracked at socket. Head joint cap broken and missing material the entire circumference. **Provenance:** Jean Mignolet, Denver, Colorado, 1 Oct. 1925. Digital image available

Unit Id	*Contents*
0506	**Instrument Type:** Flute in C **Maker Name:** Buffet-Crampon **Maker Place:** Paris **Maker Date:** ca. 1839-1853 **Materials:** Boxwood, stained and enamelled dark, brass keys and ferrules. **Keys Holes System:** Boehm 1832 system, conical, foot to D. Dorus G#. **Physical Description:** 3 sections. **Measurement:** 59.65 cm. **Condition:** One small crack at head joint socket, crack at foot joint socket. **Provenance:** Jean Mignolet, Denver, Colorado, 1 Oct. 1925, who obtained it from Prof. Marcel Demont, Brussels. Digital image available
0507	**Instrument Type:** Flute in C **Maker Name:** Joannes Hyacinthus Rottenburgh **Maker Place:** Brussels **Maker Date:** ca. 1700-ca. 1775 **Materials:** Figured boxwood, stained reddish brown, ivory cap and ferrules, brass key. Extra head of boxwood. **Keys Holes System:** 1 key, square flap. Key not original. **Physical Description:** 4 sections, with corps de rechange, and performance head joint. **Measurement:** 61.8 cm., 64.65 cm. **Notes:** A boxwood performance head joint with an approximated proper embouchure hole was made for the instrument by C. E. Folkers, former Curator of the Dayton C. Miller Collection. See DCM 1495. Scanned separately with DCM 1495, with DCM 1495 on left, and DCM 507 on right. **Condition:** Embouchure hole has been crudely altered, to an oval shape at the exterior with crude undercutting, not compatible with the exterior shape. **Provenance:** Jean Mignolet, Denver, Colorado, 1 Oct. 1925, who purchased it from C. Fontaine, Brussels. Digital image available
0508	**Instrument Type:** Flute in G **Maker Name:** Jean Baptiste Willems **Maker Place:** Brussels **Maker Date:** a1758-p1810 **Materials:** Boxwood, stained dark reddish brown, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 83 cm. **Condition:** Crack in head joint. Upper joint warped. **Provenance:** Jean Mignolet, Denver, Colorado, 1 Oct. 1925, who obtained it from Prof. Marcel Demont, Brussels. Digital image available

Unit Id	*Contents*
0509	**Instrument Type:** Flute in C **Maker Name:** J. and/or Jean Baptiste Willems **Maker Place:** Brussels **Maker Date:** a1758-p1810 **Materials:** Boxwood, stained, ivory cap and ferrules, silver key. **Keys Holes System:** 1 key, flat oval, see below. **Physical Description:** 4 sections. This instrument had at least 3 interchangeable joints. **Measurement:** 63.1 cm. **Notes:** The end cap fits over a tenon with both elements threaded. **Condition:** Head joint has shrunk enough so that the threaded head joint cap no longer screws properly into position. The embouchure hole has been crudely bevelled around its entire outer edge, making it essentially useless as is. The lower body joint socket has a large crack involving the ferrule, which is missing about 20 degrees of its circumference. The foot joint has one crack extending full length, apparently quite old, and repaired with 5 iron pins. A second crack extends from the bottom to the lower edge to the tonehole and is similarly repaired with 3 iron pins. However, neither ivory ferrule is cracked. A 3rd crack adjacent to the full length crack is possibly later and may have resulted partly due to the presence of one of the iron pins. The key finger spatula is missing. **Provenance:** Jean Mignolet, Denver, Colorado, 1 Oct. 1925, who purchased it from C. Fontaine, Brussels. Digital image available
0510	**Instrument Type:** Flute in C **Maker Name:** Theodore Berterling **Maker Place:** New York **Maker Date:** 1890 **Materials:** Grenadilla, nickel silver silver-plated keys and ferrules. **Keys Holes System:** Boehm system, closed G#, to low B for the left hand little finger. **Physical Description:** 3 sections, head joint in two pieces, see below. **Measurement:** 70.9 cm. **Notes:** With wood crutch. The head joint barrel section contains the tuning slide inner leg tube and is attached to the upper section with machine threads, the male threads of which are actually cut into the wood of the upper section and mate with the female threads cut into the upper ferrule of the barrel section. **Condition:** Head joint cracked, barrel section. **Provenance:** Jay Plowe, Los Angeles, 6 Oct. 1925. Given to Plowe by W. A. Clark, Jr., Los Angeles, for this collection. Digital image available

Unit Id	*Contents*
0511	**Instrument Type:** Flute in C **Maker Name:** Metzler **Maker Place:** London **Maker Date:** 19c **Materials:** Unidentified wood, ivory cap and ferrules, silver keys. **Keys Holes System:** 8 keys, the original 6 of silver, mounted pin in block, flat square flaps, plus nickel silver long F and upper C keys, and nickel silver saddles or mounts added later. **Physical Description:** 3 sections plus 2 extra head joints, no separate foot joint. **Measurement:** 65.9 cm., 66.8 cm., 67.8 cm. **Notes:** English flutes with interchangeable upper head joints marked 4, 5, 6, meaning of 6 different lengths available, but perhaps rarely ordered. See "Preface" regarding joint numbering (e.g., 3, 4, 5, 6) for possible explanation of joint numbering scheme. **Condition:** Small cracks in caps. **Provenance:** Curtis Mees, Charlotte, North Carolina, 8 Oct. 1925. DCM ledger quotes from Mees letter, 12 Oct. 1925: "Probably about 35 or 40 years ago my grandfather gave me this flute, telling me simply that it had been in his possession for a great meany years...for at least fifty years before giving it to me." Digital image available
0512	**Instrument Type:** Flute in A-flat **Maker Name:** Anonymous, German(?) **Maker Date:** late 19c **Materials:** Grenadilla, nickel silver cap, keys, and ferrules, metal-lined head. **Keys Holes System:** 8 keys to low C (E-flat), direct mount. Unusual and apparently incorrect tonehole spacing beneath E-flat key. The low C tonehole is positioned unusually distant beneath the C# tonehole, but only about 1.9 cm. above the end of the instrument. Low C will thus be extremely sharp. **Physical Description:** 2 sections, tuning slide in metal-lined head. **Measurement:** 43.65 cm. **Provenance:** Pawn shop, Cleveland, Ohio, 10 Oct. 1925. Digital image available
0513	**Instrument Type:** Flute in C **Maker Name:** Garrett **Maker Place:** London **Maker Date:** ca. 1826-1834 **Materials:** Rosewood, silver cap, keys, ferrules, head joint slide lining. **Keys Holes System:** 8 keys, saltspoon, pewter plugs over square metal mounts for low C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in silver-lined head. **Measurement:** 66.6 cm. **Notes:** Keys elegantly hallmarked and stamped: WK. **Case:** With original rosewood case. **Condition:** Head joint, both sections, cracked. **Provenance:** J. P. Ford-Moore, 30 Oct. 1925. DCM ledger: Ford-Moore states that his father, flutist Arthur Henry Moore, came into possession of the flute about 1854. Digital image available

Unit Id	*Contents*
0514	**Instrument Type:** English Double Flageolet **Maker Name:** Henry Hastrick **Maker Place:** London **Maker Date:** 1837-1855 **Materials:** Boxwood, silver keys, ivory ferrules, finger studs, and mouthpiece. **Keys Holes System:** Right tube: 0/4 holes plus 3 finger keys, 2 thumb keys and extension foot joint for low B (right thumb key). Left tube: 0/7 holes, 1 hole plugged for half-hole vent, hole 7 with open-standing key, plus 4 more keys on pipe plus high C key plus 2 cut off keys on fipple stock. Square flat flaps with bevelled edges, except for one round flat flap. Pin in block. Upper section of sponge chamber has 5 angularly bored air conduit holes. See DCM 184. **Physical Description:** 2 pipes, of unequal length (right tube has foot joint), consisting of 2 sections (body and sponge chamber/fipple stock section). **Measurement:** 52.7 cm. **Notes:** Pipes marked with numbers and letters, and: NEW PATENT / PATENT. **Condition:** Mouthpiece cracked. Both sponge chamber sections have slight cracks. Fipple stock has old crack repaired with 5 nickel silver cross pins. **Provenance:** J. P. Ford-Moore, London, 30 Oct. 1925. Digital image available
0515	**Instrument Type:** Piccolo in C **Maker Name:** Henry Wylde **Maker Place:** London **Maker Date:** 1838-1852 **Materials:** Cocus, silver lip plate, keys, and ferrules, metal-lined head joint. **Keys Holes System:** 6 keys, saltspoon, pin in block. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 29.3 cm. **Condition:** DCM ledger: "Wood cap, G#, long F, missing." Head joint cap missing, although the cork-setting mechanism is intact. Head joint upper section cracked in 2 places, barrel has 3 cracks, B-flat key block cracked and missing at pin line on one side. G# key and original block missing, the block having been replaced with a metal saddle. Long F key missing and its block has been replaced. The short F key is broken and missing on both sides although the key is intact due to a metal block lining. The E-flat key and block are both missing and a mortice or channel has been crudely cut to receive a new block, not present. The bottom silver ferrule is missing. **Provenance:** George R. Myers, Cincinnati, Ohio, 15 Nov. 1925. Digital image available

Unit Id	*Contents*
0516	**Instrument Type:** Flute in C **Maker Name:** Johann Wendelinus Weisse **Maker Place:** Berlin **Maker Date:** 1814-ca. 1840 **Materials:** Boxwood, ivory and wood cap and cork-setting mechanism, brass keys, ivory ferrules. **Keys Holes System:** 5 keys, square flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 61.6 cm. (without cap) **Notes:** This instrument likely had 3 or more corps de rechange. **Condition:** The fifth key is a long F lever that opens the short F key, now missing. Head joint cap outer portion missing, cracked at socket. Right hand joint socket cracked in 2 places, including one very open crack in the ferrule. The ferrule has a unique inside brass staple repair (2 staples), the legs of which extend outward radially and have been peened over to appear as pins. **Provenance:** George R. Myers, Cincinnati, Ohio, 15 Nov. 1925. Digital image available
0517	**Instrument Type:** Piccolo in C (Low Pitch) **Maker Name:** Anonymous **Maker Place:** Dresden **Maker Date:** late 18c **Materials:** Ebony, ivory cap and ferrules, silver key. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections plus corps de rechange. **Measurement:** 31.95 cm., 32.3 cm. **Provenance:** W. C. McQuillen, Los Angeles, 17 Nov. 1925. Digital image available

Unit Id	*Contents*
0518	**Instrument Type:** Flute in C **Maker Name:** Richard Potter **Maker Place:** London **Maker Date:** 1782, or before **Materials:** Ivory, silver key and ferrules. **Keys Holes System:** 1 key, square flat flap, pin in block. See Notes. **Physical Description:** 4 sections. **Measurement:** 60.05 cm. **Notes:** DCM cataloged this in 1925 as an instrument by Kusder, London. However, it is more likely by Richard Potter, and very faintly bears one of the stamps used by the Potter family. Currently this instrument has a thin silver ferrule at each socket plus a ferrule over the head joint cap which is engraved: Willm Merry London April 8th 1782 (design). It is possible that none of these ferrules is original. Each is narrow gauge sheet metal suitable only for decorative and not structural use. DCM records that the instrument had a brass key, not original. The present silver key may be the work of DCM, although he left no indication to that effect. **Condition:** Head joint cracked in 2 places at socket, plus 2 other cracks that do not go through to the bore. **Provenance:** W. C. McQuillen, Los Angeles, 17 Nov. 1925. Digital image available
0519	**Instrument Type:** Flute in C **Maker Name:** Castel; Joannes Panormo **Maker Place:** Italy; Naples **Maker Date:** ?2nd quarter 18c-late 18c; second half 18c **Materials:** Boxwood, stained, animal horn cap, brass key. **Keys Holes System:** 1 key, square flat flap. **Physical Description:** 4 sections, tuning slide in head executed entirely of wood, the tenon on the upper section, although the socket might have been originally with brass, similar to Quanzt model head joint. **Measurement:** 63.8 cm. **Notes:** This instrument may be a composite of 2 or more flutes based on varying wood grain patterns, and slightly dissimilar turning styles. The upper body joint bears a faint "2" and was likely the second longest corps de rechange to whichever instrument it once belonged. The key seems crude, possibly not original, it having a spring rivet (spring missing) although the foot joint has a spring attached to its track, also possibly not original. **Condition:** Head joint upper section cracked and chipped at upper end. DCM ledger notes cap missing. **Provenance:** W. C. McQuillen, Los Angeles, 17 Nov. 1925. Digital image available

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0520	**Instrument Type:** Flute in C **Maker Name:** Schultz **Maker Place:** Vienna **Maker Date:** mid 19c **Materials:** Grenadilla, ivory cap, cork-setting mechanism and ferrules, silver keys. Metal-lined head and toneholes. **Keys Holes System:** 12 keys, pewter plugs in metal-lined holes, foot to B. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 70.8 cm. **Notes:** Head and barrel possibly not original. **Condition:** Head joint, both sections, cracked. Short F key missing. **Provenance:** W. C. McQuillen, Los Angeles, 17 Nov. 1925. Digital image available
0521	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Place:** Germany(?) **Maker Date:** mid 19c **Materials:** Ebony, grenadilla(?) head joint, ivory cap and ferrules, nickel silver keys, metal-lined head. **Keys Holes System:** 9 keys, round flaps, foot to B. Pin in block. **Physical Description:** 3 sections, tuning slide in head, no separate foot joint. **Measurement:** 71.4 cm. **Condition:** Entire head joint cracked. Barrel section strengthened at top with added brass ferrule. Upper section of head joint likely not original, possibly grenadilla, slightly wider outer diameter. Shows evidence of possibly once having had embouchure wing tips. **Provenance:** W. C. McQuillen, Los Angeles, 17 Nov. 1925. Digital image available
0522	**Instrument Type:** Flute in C **Maker Name:** Gisborne **Maker Place:** Birmingham **Maker Date:** 1845-1864 **Materials:** Cocus, bright nickel silver lip plate ferrule, keys, ferrules, and fingerhole bushings, metal-lined head. **Keys Holes System:** 8 keys, saltspoon with pewter plugs over round metal plates for low C#, C. Pin in block. Large fingerholes. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.5 cm. **Notes:** Ferrules decorated (not chased). **Condition:** Head joint, both sections, cracked. **Provenance:** William Powell, Birmingham, England, 23 Nov. 1925. Digital image available

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0523	**Instrument Type:** Fife in C (B-flat) **Maker Name:** George Cloos **Maker Place:** Brooklyn, New York **Maker Date:** mid 19c **Materials:** Unidentified wood, stained brown, silver tips. **Keys Holes System:** 0/6 holes. **Physical Description:** 1 piece. **Measurement:** 39.7 cm. **Notes:** Apprentice under Crosby? Crosby model? **Condition:** 2 cracks, open only on exterior (instrument is playable). **Provenance:** Kirkland Coltman, Chicago, 23 Nov. 1925. Digital image available
0524	**Instrument Type:** Flute in E-flat (E) **Maker Name:** William Hollings **Maker Place:** London **Maker Date:** 1874-1890 **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, round flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 51.7 cm. **Notes:** A very poorly made, inexpensive-grade instrument. **Condition:** Upper body joint is a very poorly chosen piece of wood, including 6 knots and a grain area which has developed 14 cross-grain cracks. Lower body joint cracked at socket. Foot joint cracked at socket, and at key pin line. **Provenance:** Kirkland Coltman, Chicago, 23 Nov. 1925. Digital image available
0525	**Instrument Type:** Mystery Tube **Maker Name:** Anonymous **Materials:** Bamboo. **Keys Holes System:** No fingerholes. Nose hole(?). 13 holes burned through lower end. **Physical Description:** 1 piece. See Notes. **Measurement:** 62.9 cm. **Notes:** DCM purchased this object from his major source of Native American instruments, however, this may not be an instrument at all. DCM ledger: "Flute? Thin-walled bamboo, closed at top and bottom by natural septum. Decorated all over with burned designs: square areas, with diagonal lines. One small hole from upper edge, perhaps for nose-blowing. No fingerholes! There are thirteen small holes burned through the septum of lower end, to permit sound." **Condition:** Several cracks. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 7 Dec. 1925. Digital image available

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0526	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous **Materials:** Soft wood, brass mouthpipe, lead flue plate. **Keys Holes System:** 0/5 holes plus 4 vent holes. **Physical Description:** Tube gouged from 2 halves, glued and lashed together, stained red-clay color. The mouthpipe is a separate wooden tube, surrounded with a brass tube. Lead flue plate, and decoratively carved and unusually long flue cover. **Measurement:** 67.9 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 7 Dec. 1925. Digital image available
0527	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Materials:** Soft wood, brass mouthpipe, thong. **Keys Holes System:** 0/5 holes. **Physical Description:** Tube gouged from 2 halves glued together. The tube and the simple wood flue cover are decorated with red, green, blue, and yellow painted geometric designs. **Measurement:** 65.3 cm. **Notes:** For its length, the 5 fingerholes are unusually high. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 7 Dec. 1925. Digital image available
0528	**Instrument Type:** Flute in C **Maker Name:** Clinton & Co. **Maker Place:** London **Maker Date:** ca. 1855-1871 **Materials:** Cocus, silver-plated keys and ferrules, metal-lined head. **Keys Holes System:** See DCM 379. Conical bore, old system flute of John Clinton's Equisonant System. Modern post and rod. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 65.4 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** J. Clayton Boyes, Bushey, England, 10 Dec. 1925. Digital image available
0529	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Maker Date:** 19c **Materials:** Hard wood, painted or stained red, brown and yellow, brass mouthpipe, and with 5 feathers dyed various colors, attached with leather thong. **Keys Holes System:** 0/6 holes. The upper of 6 fingerholes has been plugged with wood. **Physical Description:** Tube gouged out of 2 halves, glued together. The tube is decorated with incised animal, arrow, and geometric designs. **Measurement:** 63.8 cm. **Notes:** DCM ledger: "Sioux Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 15 Dec. 1925. Digital image available

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0530	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Wood, quill flue cover, lashed with sinew (gut). **Measurement:** 57.7 cm. **Notes:** DCM ledger: "Sioux Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 15 Dec. 1925. Digital image available
0531	**Instrument Type:** Alto Flute in B-flat **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** 1915 **Materials:** Silver. **Keys Holes System:** Boehm system, closed G#. Rollers for C#, C. **Physical Description:** 3 sections. **Measurement:** 73.9 cm. **Notes:** DCM ledger, quoting letter from Montague George of Rudall Carte, 21 Jan. 1927: "This flute was imported for Mr. L. B. Shaw of Broc[k]ton, Mass in July 1915. Made in 1915 by workman named Whitman [at Rudall Carte]." DCM also notes in his ledger: "The flute is ib R. C. & Co's best style and workmanship. It is in excellent condition, almost as new, except for worn pads. It is very much like D.C.M. C flute (No. 5) in style." **Provenance:** William R. Gibbs, Boston, 15 Dec. 1925. Formerly owned by L. B. Shaw, Brockton, Massachusetts, 1915. Digital image available
0532	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Potawatomi) **Materials:** Soft wood, possibly pine. Tied with blue and red braided tassel. **Keys Holes System:** 0/6 holes plus 4 vent holes. The 6 fingerholes are drilled through a flat cut on the upper edge with four vent holes at the bottom. **Physical Description:** Soft wood carved out of 2 halves, glued together with integral wood mouth pipe. Decorated in a spiral pattern, apparently done by wrapping fabric and then applying an acid stain while the fabric was in place. **Measurement:** 61.2 cm. **Notes:** DCM ledger: "Pottowattomi [sic] Indian." **Condition:** Missing lead flue plate. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 23 Dec. 1925. Digital image available

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0533	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian **Materials:** Wood, lead, leather. **Keys Holes System:** 0/6 holes. **Physical Description:** Tube made from 2 gouged halves of a split branch, glued together and lashed with leather thongs in 8 places. One also secures the lead flue plate, and another also secures the flue cover. With integral wood mouth piece. **Measurement:** 45.1 cm. **Notes:** The wooden flue cover is carved in the form of a horse's head. DCM attributes to Iroquois, Betty Austin Hensley attributes to Cheyenne or Winnebago. **Condition:** Open seams due to shrinkage. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 23 Dec. 1925. Digital image available
0534	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Winnebago) **Materials:** Cedar, stained medium brown, and showing traces of yellow. All or some of mouthpipe/flue cover had been painted yellow. **Keys Holes System:** 0/6 holes plus 1 vent hole near bottom. **Physical Description:** Tube of cedar branch, bored out. Separate carved round wood mouthpipe and flue cover carved in form of bird, possibly a swan. **Measurement:** 54 cm. **Notes:** DCM ledger: "Winnebago" **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 23 Dec. 1925. Digital image available
0535	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Chippewa) **Materials:** Tube of nickel-plated brass pipe, possibly plumbing stock, lead flue plate, wooden flue cover, tied with braided wool tassels. **Keys Holes System:** 0/6 holes plus 4 vent holes at lower end, and an additional tone or vent hole has been leaded in. **Physical Description:** Wooden flue cover carved in form of horse's or donkey's head. Round wood mouthpipe carved, not turned. **Measurement:** 56.2 cm. **Notes:** DCM ledger: "Chippewa Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 23 Dec. 1925. Digital image available
0536a	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Crow) **Materials:** Bone. **Measurement:** 20.1 cm. **Notes:** DCM ledger: "Crow Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 23 Dec. 1925. Digital image available

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0536b	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Crow) **Materials:** Bone. **Measurement:** 22.15 cm. **Notes:** DCM ledger: "Crow Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 23 Dec. 1925. Digital image available
0537	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Chippewa) **Materials:** Bone, with thong attached. **Measurement:** 16.5 cm. **Notes:** DCM ledger: "Chippewa Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 23 Dec. 1925. Digital image available
0538	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Bone, covered with hide. **Measurement:** 19.7 cm. **Notes:** DCM ledger: "Sioux Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 23 Dec. 1925. Digital image available
0539	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Soft wood, pine or spruce, brass mouthpipe. The flue cover is also of the same wood, carved in low-relief in the form of a turtle as seen from above. **Keys Holes System:** 0/5 holes plus 2 holes near upper end to receive a rawhide carrying cord or neck strap. **Physical Description:** Tube made from 2 gouged halves, glued together, stained light brown, and decorated with red/pink painted rings (4), 2 at each end. **Measurement:** 36.3 cm. **Notes:** Letter from N. E. Carter, from whom he purchased DCM 539-546, states: "I was lucky to buy a wonderful collection of Sioux Indian flutes…purchased from a man who was a banker near the Sioux Reservation…[where] there were only three Indians who could make flutes." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 29 Dec. 1925. Digital image available

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0540	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Light wood, pine or spruce, stained clay red. Lead flue plate. The instrument is decorated with an orange and blue finely beaded sleeve. **Keys Holes System:** 0/5 holes. **Physical Description:** Tube gouged out of 2 halves, glued together, with brass mouthpipe. Simple carved wooden flue block has arrow design on top, and wood burned or carved at bottom end in potted-plant design. **Measurement:** 47.6 cm. **Notes:** See DCM 539. DCM ledger: "Sioux Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 29 Dec. 1925. Digital image available
0541	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Redwood(?), leather thong. Brass mouth pipe, lead flue plate. **Keys Holes System:** 0/5 holes. **Physical Description:** Tube of redwood(?) split and gouged in half, glued together, and lashed at upper end with leather thong and at the point where flue cover is attached. Stained red with incised decoration including mammal (unidentified) and stylized branch and leaf motif. **Measurement:** 47.3 cm. **Notes:** DCM ledger: "Sioux Indian." See DCM 539. Tied into the upper retaining thong is a large bird feather to which is attached a piece of yellow ribbon further ornamented with a small swatch of red ribbon. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 29 Dec. 1925. Digital image available
0542	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Pine, copper mouthpipe, lead flue plate. **Keys Holes System:** 0/5 holes. **Physical Description:** Tube gouged out of 2 halves, glued together, and further joined by lashing at the top, set into a groove. Decorated (wood burned) with designs including swastika, mammal; wood flue cover carved in form of bird. **Measurement:** 49 cm. **Notes:** DCM ledger: "Sioux Indian." See DCM 539. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 29 Dec. 1925. Digital image available

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0543	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Soft wood, likely pine, stained red inside and outside. Brass mouthpipe, possibly from a shell casing. Lead flue plate. **Keys Holes System:** 0/5 holes. **Physical Description:** Tube carved out of 2 halves, glued together. Flue cover decorated in low relief with a turtle figure, and tube contains 5 more such turtle figures, one of which has 2 painted silver or white eyes, as does the one on the flue cover. **Measurement:** 66.2 cm. **Notes:** DCM ledger: "Sioux Indian." See DCM 539. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 29 Dec. 1925. Digital image available
0544	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Pine, stained brown. Brass mouthpipe. Lead flue plate. Flue cover painted grey and white, and wearing a red collar. **Keys Holes System:** 0/5 holes. **Physical Description:** Tube gouged out of 2 halves of split branch, glued together. Lashed at top with rawhide thong, as well as at the flue. Tube is decorated in 2 places with low relief carved turtles. The long flue cover has glued to it a skillfully carved dog figure. **Measurement:** 65.8 cm. **Notes:** DCM ledger: "Sioux Indian." See DCM 539. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 29 Dec. 1925. Digital image available
0545	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Pine. Brass tube mouthpipe with leather and red, white, and blue-colored straw. Lead flue plate. **Keys Holes System:** 0/5 holes. **Physical Description:** Tube gouged out of 2 halves, glued together, and decorated with various small simple designs, burned in. Same decoration on simple half-round wooden flue cover. Brass mouthpipe further decorated at top with 4 leather and straw bands. **Measurement:** 70.9 cm. **Notes:** DCM ledger: "Sioux Indian." See DCM 539. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 29 Dec. 1925. Digital image available

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0546	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Redwood, leather thong, lead flue plate and brass shell casing mouthpipe. The uppermost thong has a feather attached. **Keys Holes System:** 0/5 holes. **Physical Description:** Tube gouged from split branch, glued together and presently also stabilized with 2 original leather thongs at upper end, one also supporting the carved red wood flue cover. Carved grooves at lower end indicate it may have had leather thongs there also. **Measurement:** 76.1 cm. **Notes:** DCM ledger: "Sioux Indian." See DCM 539. The instrument is further decorated with arrow and geometric carving. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 29 Dec. 1925. Digital image available
0547	**Instrument Type:** Whistle **Maker Name:** Anonymous **Maker Place:** Honduras **Materials:** Terracotta, in form of seated monkey. **Keys Holes System:** 3 holes on back of instrument. **Measurement:** 4.6 cm. (height) **Notes:** According to Betty Austin Hensley, whistle has no flue, must insert top of head in mouth to blow. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 29 Dec. 1925. Digital image available
0548	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Pueblo) **Materials:** Unidentified soft wood, stained yellow, now darkened. **Keys Holes System:** 0/4 holes. **Physical Description:** Wood gouged out of 2 halves and decorated with carved and painted 8- and 10-point stars. Four of the stars encircle the 4 fingerholes, also with painted animal images. The flue cover is carved in the form of an aquatic mammal, possibly beaver, glued on. **Measurement:** 38.8 cm. **Notes:** DCM ledger: "Pueblo Indian." **Condition:** The 2 halves are unglued and any mouthpipe this instrument may have had is now missing. Also missing one feather (noted by DCM). **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 4 Jan. 1926. Digital image available

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0549	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Omaha) **Materials:** Unidentified medium soft wood, stained green, bone mouthpiece, brass flue plate, wood flue cover, leather thong. **Keys Holes System:** 0/7 holes plus 4 vent holes at bottom. A flat cut on top for the 7 original fingerholes, the bottom of which has been plugged. **Physical Description:** Wood gouged out of 2 halves, glued together. Wooden flue cover carved to incorporate 2 animal heads with steel brad facing each other. **Measurement:** 65.5. cm. **Notes:** DCM ledger: "Omaha Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 4 Jan. 1926. Digital image available
0550	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Winnebago) **Materials:** Unidentified hard wood, aluminum flue plate, wooden flue cover, upper end strengthened with steel ferrule. **Keys Holes System:** 0/6 holes plus 4 vent holes at lower end. **Physical Description:** Wood, turned and bored with gun drill bits. Lower end, separate turned or carved wooden mouthpipe. Wooden flue cover carved in form of (mammal?). **Measurement:** 55.1 cm. **Notes:** DCM ledger: "Winnebago Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 4 Jan. 1926. Digital image available
0551	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Winnebago) **Materials:** Oak, leather thong, lead bands. **Keys Holes System:** 0/6 holes plus 4 vent holes. **Physical Description:** Split oak branch carved in 2 halves, glued together and surrounded with 15 recessed externally flush lead bands. The flue cover is carved in the form of a bird. **Measurement:** 62.2 cm. **Notes:** DCM ledger: "Winnebago Indian." It appears that the tube was carved to receive the lead in a molten state, in that it also fills portions of the joints between the two tube halves. It was then apparently filed flush after the metal solidified. The mouthpipe is a turned wooden separate element. Four decorative vent apertures at the lower end. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 4 Jan. 1926. Digital image available
0552	**Instrument Type:** Ocarina [Missing] **Maker Name:** Heinrich Fiehn **Maker Place:** Vienna **Maker Date:** 1876-1945 **Materials:** Clay, black, with gilt letters. **Physical Description:** No. 2, B-flat Soprano. **Measurement:** 11.2 cm. **Notes:** Described by DCM in his ledger, and in 1961 Checklist. **Provenance:** J. W. Jenkins Music, Kansas City, Missouri, 31 Dec. 1925.

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0553	**Instrument Type:** Ocarina **Maker Name:** Not known (See Mark and Notes.) **Materials:** Clay, black. Gilt numbers, letters, and gilt at ends. **Keys Holes System:** 2/8 holes. **Measurement:** 14.6 x 4.3 cm. **Notes:** DCM ledger describes ocarina: "No. 4 F Alto." **Provenance:** J. W. Jenkins Music, Kansas City, Missouri, 31 Dec. 1925.
0554	**Instrument Type:** Ocarina **Maker Name:** Heinrich Fiehn **Maker Place:** Vienna **Maker Date:** 1876-1945 **Materials:** Clay, black, with bronze powder paint. **Keys Holes System:** 2/8 holes. **Measurement:** 17.3 x 5.2 cm. **Notes:** Mark not completely noted by DCM, for DCM 554-559. **Provenance:** J. W. Jenkins Music, Kansas City, Missouri, 31 Dec. 1925.
0555	**Instrument Type:** Ocarina **Maker Name:** Heinrich Fiehn **Maker Place:** Vienna **Maker Date:** 1876-1945 **Materials:** Clay, black, with bronze powder paint. **Keys Holes System:** 1/8 holes. **Measurement:** 20.3 x 6.95 cm. **Notes:** See DCM 554. **Provenance:** J. W. Jenkins Music, Kansas City, Missouri, 31 Dec. 1925.
0556	**Instrument Type:** Ocarina **Maker Name:** Heinrich Fiehn **Maker Place:** Vienna **Maker Date:** 1876-1945 **Materials:** Clay, black, with bronze powder paint at ends, and for numbers and letters. **Keys Holes System:** 1/7 holes. **Measurement:** 19.85 x 7.05 cm. **Notes:** See DCM 554. **Provenance:** J. W. Jenkins Music, Kansas City, Missouri, 31 Dec. 1925.
0557	**Instrument Type:** Ocarina **Maker Name:** Heinrich Fiehn **Maker Place:** Vienna **Maker Date:** 1876-1945 **Materials:** Clay, black, bronze powder paint seals, markings. **Keys Holes System:** 1/7 holes. **Measurement:** 21.4 x 8.1 cm. **Notes:** See DCM 554. **Provenance:** J. W. Jenkins Music, Kansas City, Missouri, 31 Dec. 1925.

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0558	**Instrument Type:** Ocarina **Maker Name:** Heinrich Fiehn **Maker Place:** Vienna **Maker Date:** 1876-1945 **Materials:** Clay, black, with bronze powder paint markings and decorative ends. **Keys Holes System:** 1/7 holes. **Measurement:** 26.2 x 11.5 cm. **Notes:** See DCM 554. **Provenance:** J. W. Jenkins Music, Kansas City, Missouri, 31 Dec. 1925.
0559	**Instrument Type:** Ocarina **Maker Name:** Heinrich Fiehn **Maker Place:** Vienna **Maker Date:** 1876-1945 **Materials:** Clay, black, bronze powder paint. **Keys Holes System:** 2/8 holes. **Measurement:** 12.8 x 3 cm. **Provenance:** Gift of Miss Eunice Wead, Ann Arbor, Michigan, from the estate of her father, Charles K. Wead, 4 Jan.1926.
0560	**Instrument Type:** Suling (Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Java **Maker Date:** 19c **Materials:** Bamboo, with burned in fingerholes and burned decoration. **Keys Holes System:** 0/6 holes. **Physical Description:** The fipple design is as follows: The block is a natural septum in the cane, and a flat surface is chiseled off one side, to leave both the edge and a duct or flue, which is then completed by encircling the end with a cane strap. The fipple is on reverse. **Measurement:** 58.9 cm. **Condition:** 4 cracks on lower end of pipe. **Provenance:** Gift of Miss Eunice Wead, Ann Arbor, Michigan, from the estate of her father, Charles K. Wead, 4 Jan.1926. Digital image available
0561	**Instrument Type:** Suling (Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Java **Maker Date:** 19c **Materials:** Bamboo, with burned in fingerholes and burned in decoration. **Keys Holes System:** 0/6 holes. **Physical Description:** See DCM 560. **Measurement:** 37.6 cm. **Condition:** Slight crack between fingerholes. **Provenance:** Gift of Miss Eunice Wead, Ann Arbor, Michigan, from the estate of her father, Charles K. Wead, 4 Jan.1926. Digital image available

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0562	**Instrument Type:** Piccolo in C **Maker Name:** William Sherman Haynes **Maker Place:** Boston **Maker Date:** ca. 1925 **Materials:** Silver. **Keys Holes System:** Boehm system, closed G#. **Physical Description:** 2 sections. **Measurement:** 31.5 cm. **Notes:** DCM ledger: "This piccolo was sent especially, and especially adjusted for this collection…represents the regular 'Haynes' product." **Provenance:** William S. Haynes, Boston, 4 Jan. 1926. Digital image available
0563	**Instrument Type:** Flute in C **Maker Name:** J. A. & W. Geib **Maker Place:** New York **Maker Date:** 1818-1821 **Materials:** Boxwood, silver key, ivory end cap (possibly bone) and ferrules. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.3 cm. **Provenance:** R. C. Hurry, New York, 20 Jan. 1926. Digital image available
0564	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Soft wood, likely pine, stained dark brown. Leather, beads, nickel. Brass mouthpipe piece. **Keys Holes System:** 0/5 holes. **Physical Description:** Tube, gouged out of 2 halves, joined together with a carved flue cover of the same wood. Leather sleeve decor with colored beads and 15 nickel-plated downhead furniture upholstery tacks. Flue cover is a carved animal design with 5 tacks. **Measurement:** 54.9 cm. **Notes:** DCM ledger: "Sioux Indian." DCM ledger records letter from N. E. Carter, dated 23 Jan. 1926: "Your remark that the Sioux flutes are so much alike...I explained in a previous letter... that the eight flutes...were sold me by a gentleman living near the Sioux Reservation, who told me only three Indians could make flutes…so that all young braves who wanted love flutes, must come to one of these old timers. So each tribe has certain totems, or ideas, that show in their handicraft, this accounts for their being more or less alike. But I feel sure all are strictly Indian pieces made for their tribe to use, and if obtained by a white man, they had to replace it when needed." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 20 Jan. 1926. Digital image available

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0565	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Soft wood, likely redwood, brass decorative tacks (see Notes), brass mouthpipe, leather sleeve with green and blue bead work, lead flue plate. **Keys Holes System:** 0/5 holes. **Physical Description:** Tube gouged out of 2 halves, glued together. Wooden tube planed flat on top, for both the flue plate and covers and the 5 closely spaced fingerholes. See Notes. **Measurement:** 40 cm. **Notes:** DCM ledger: "Sioux Indian." The tube terminates at the lower end with a carved fish or bird's face painted yellow with red inside the mouth, and brass furniture tacks for eyes. Above that is a recessed area painted black. Above that is another natural wood section appearing to be a ferrule in that it is next to another recessed black painted section which also is largely covered with a leather sheath or ferrule tied into position and decorated with typical Native American small beadwork. The flue cover is carved in the form of a river paddleboat and painted red and black. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 20 Jan. 1926. Digital image available
0566	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Bone. **Physical Description:** Rectangular fipple, nearly equidistant from ends. **Measurement:** 10.9 mm. **Notes:** DCM ledger: "Sioux Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 20 Jan. 1926. Digital image available
0567	**Instrument Type:** Flute in C **Maker Name:** Manzane **Maker Place:** London **Maker Date:** early 19c **Materials:** Ivory, silver keys, ferrules. **Keys Holes System:** 8 keys, saltspoon, pewter plugs over square plates for C#, C. Upper C and long F key blocks are metal-lined. **Physical Description:** 4 sections. **Measurement:** 65.8 cm. **Notes:** Manzane may be counterfeit for Monzani. **Condition:** Cracks in barrel. **Provenance:** S. J. Pegg, Leicester, England, 23 Jan. 1926. Digital image available

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0568	**Instrument Type:** Flute in C **Maker Name:** Meacham & Pond **Maker Place:** Albany, New York **Maker Date:** 1828-1860 **Materials:** Boxwood (or maple?), brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.55 cm. **Condition:** The present cap is broken so that only the plug portion remains. Lower body joint cracked at socket in 2 places, more than half its length. A repair attempt has been made consisting of a thread binding. DCM ledger: "Lower body cracked and whittled. Cap missing." **Provenance:** Charles W. Gray, Brisben, New York, 29 Jan. 1926. Digital image available
0569	**Instrument Type:** Flute in C **Maker Name:** Metzler & Co. **Maker Place:** London **Maker Date:** 1833-p1936 **Materials:** Cocus, nickel silver wide ferrule at embouchure, nickel silver keys, ferrules, and fingerhole bushings, metal-lined head. **Keys Holes System:** 8 keys, shallow saltspoon key cups for upper 2 joints; modern key cup profile for foot joint. Pin in block. Nicholson-style toneholes. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 64.7 cm. **Condition:** Head joint, both sections, cracked. Fingerhole 5 bushing is missing. **Provenance:** William Powell, Birmingham, England, 10 Feb. 1926. Digital image available
0570	**Instrument Type:** French Flageolet **Maker Name:** Buffet-Crampon **Maker Place:** Paris **Maker Date:** p1836-p1950 **Materials:** Wood, nickel silver keys and ferrules, mother-of-pearl beak. Upper thumbhole bushed with nickel silver. **Keys Holes System:** 2/4 holes plus 13 keys, modern post and rod as follows: 3 keys on fipple joint plus a 4th part of a 2-tone key mechanism for the 3rd finger LH; 10 keys on fingerhole section, 5 of which are clarinet-style finger rings operating 4 small vent holes. There is also a 3rd finger RH support. **Physical Description:** 5 pieces, including fingerholes section, fipple section, 2-part sponge chamber and mouthpiece. **Measurement:** 41.7cm. **Notes:** Lower body also marked: MADE IN FRANCE // 470(U?) **Provenance:** Baxter-Northup Co., Los Angeles, 25 Feb. 1926. Digital image available

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0571	**Instrument Type:** Flute in C **Maker Name:** P. G. Milnes **Maker Place:** Ipswich **Maker Date:** third quarter 19c **Materials:** Cocus, silver keys and ferrules. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs over round plates for C#, C. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 64.8 cm. **Condition:** Head joint, both sections, cracked. Upper joint missing upper C key and block; a broken portion of the block reattached with antique flathead screws. Lower joint, end of long F key broken off at spring rivet. **Provenance:** M. Earl, Oakland, California, 16 Feb. 1926. Digital image available
0572	**Instrument Type:** Flute in C **Maker Name:** Cornelius Ward **Maker Place:** London **Maker Date:** 1836-1859 **Materials:** Cocus, silver keys and ferrules, metal-lined head. **Keys Holes System:** Ward's patent system, conical bore. This system incorporates, like Boehm, a finger rings and levers system for utilizing as many open standing toneholes as possible, including not only the Boehm open G#, but also, for the RH, an open D#. All 8 fingers must be closed for low D. E-flat/D# is then made (with the low D fingering) by opening the E-flat tonehole operated by a left thumb key. Similarly, G#/A-flat requires all 4 LH fingerholes closed with G# opened by a second left thumb key on either of 2 RH finger levers. Both D# and G# fingerings utilize the Dorus G# key principle assigned to different fingers. Additional 3rd and 4th LH thumb levers operate the low C#, C keys via a cable and bell crank system. **Physical Description:** 2 sections. **Measurement:** 66.5 cm. **Notes:** See DCM 44 and 572a. Head joint with patented "Terminator and Indicator," this has the normal 19th century sheet metal tuning slide arrangement, with tuning marks in numerals. Once the correct head joint length has been selected, the player then resets or sets the "Terminator" (the cork with a metal facing) by turning an exterior dial with a loop "Indicator," which when positioned over the corresponding numeral, automatically advances or retracts the cork. **Condition:** Head joint, both sections, cracked. Low C#, C key cable guide loop missing. **Provenance:** J. Clayton Boyes, Bushey, England, 23 Feb. 1926. Digital image available
0572a	**Instrument Type:** Head Joint **Maker Name:** Cornelius Ward **Maker Place:** London **Maker Date:** 1836-ca1870 **Materials:** Cocus, silver cap and ferrule. **Measurement:** 65.32 cm. **Notes:** See DCM 572. **Case:** Original case. **Condition:** Small crack at socket. **Provenance:** J. Clayton Boyes, Bushey, England, 23 Feb. 1926.

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0573	**Instrument Type:** Flute in C **Maker Name:** Hermann Wrede **Maker Place:** London **Maker Date:** 1810-1857 **Materials:** Boxwood, stained medium brown, brass key and ferrules, including 2 end ferrules on the head joint. **Keys Holes System:** 1 key, square flat flap. **Physical Description:** 4 sections. **Measurement:** 61.3 cm. (as is) **Notes:** Brass ferrules are held in position by forming tack points using several swift blows with a hammer and a scribing tool or center punch. **Condition:** Cap missing (noted by DCM). Crack at upper end of upper body joint. **Provenance:** O. C. Lingg, Boulder, Colorado, 15 Mar. 1926. Digital image available
0574	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous, North American Indian (Haida) **Materials:** DCM ledger: "Argillite." **Keys Holes System:** 0/4 holes. **Physical Description:** Carved in high relief with 6 human figures. Fairly sophisticated fipple with block. Mouthpiece surrounded with pewter ferrule. **Measurement:** 23.85 cm. **Notes:** DCM ledger: "Haida." **Provenance:** W. R. Conrad, San Francisco, 23 Mar. 1926. Digital image available
0575	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Light wood, likely pine, stained brown, lead flue plate, wood flue cover stained a darker brown. Rawhide carrying cord or neck strap. **Keys Holes System:** 0/5 holes. **Physical Description:** Tube, gouged from 2 halves, glued together. Flue plate and cover carved in the form of 2 adjacent birds. Carved and glued to the lower end is a wooden stained bear (see Provenance). It is further decorated with a bird talon tied to rawhide at flue cover. **Measurement:** 38.1 cm. **Notes:** DCM ledger: "Assiniboine Sioux Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 30 Mar. 1926. A note attached to instrument states: Flute belonged to the Sioux Indian, John Standing Bear. Digital image available

Unit Id	*Contents*
0576	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Soft wood, spruce(?), brass mouthpipe, lead flue plate, red pipestone flue cover. Securing thong at flue cover with remains of at least 3 feathers. **Keys Holes System:** 0/5 holes. **Physical Description:** Tube, gouged from 2 halves, glued together. Decorated at the lower end with a carved bird's head, painted black or slate, with painted eyes and red nostrils. Its head has a diamond-shaped pipestone inlay, and a second rectangular inlay up on tube. **Measurement:** 51.5 cm. **Notes:** DCM ledger: "Sisseton Sioux Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 30 Mar. 1926. According to note accompanying instrument, it belonged to Benton Brave Hawk, Sisseton Sioux. Digital image available
0577	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Wood, stained brown, with burned-in swastika and arrow designs. Carved greystone flue cover decorated with colored feathers and straw. Leather. Brass. **Keys Holes System:** 0/5 holes. **Measurement:** 34.4 cm. **Notes:** DCM ledger: "Sioux Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 30 Mar. 1926. Digital image available
0578	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian **Materials:** Bone. **Physical Description:** Small section of a bird(?) bone with a small lateral rectangular hole decorated with crude carving. **Measurement:** 5.5 cm. **Notes:** DCM ledger: "California, Sacramento County." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 30 Mar. 1926. Digital image available
0579	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian **Materials:** Bone. **Keys Holes System:** Lateral fipple hole. **Measurement:** 8.2 cm. **Notes:** DCM ledger: "California, Sacramento County." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 30 Mar. 1926. Digital image available

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0580	**Instrument Type:** Flute in E-flat **Maker Name:** Firth & Hall **Maker Place:** New York **Maker Date:** 1821-1841 **Materials:** Boxwood, brass key, ivory ferrules. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 50.95 cm. (as is) **Condition:** Slight warp. Cap missing (noted in DCM ledger). **Provenance:** G. Meriggioli, Seattle, Washington, 31 Mar. 1926, who obtained it from A. W. Ward. Letter from Meriggioli states: "Belonged to Mr. Elwell, grandfather of the present owner who saved the instrument from a fire which destroyed the homestead in Illinois." Digital image available
0581	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** ca. 1900 **Materials:** Grenadilla, silver-plate over brass keys and ferrules, metal-lined head. Embouchure hole lined with ebonite bushing. **Keys Holes System:** Carte's 1867 patent, cylindrical, open G#, roller C#. **Physical Description:** 3 joints, tuning slide in head. Head joint fully lined with a metal pipe which terminates as a tuning slide within the socket. **Measurement:** 65.7 cm. **Condition:** Head joint, 2 cracks, foot joint crack through D# tonehole. Small crack in body joint at bottom tenon. DCM ledger: "Two keys have been broken." **Provenance:** G. Meriggioli, Seattle, Washington, 31 Mar. 1926. Digital image available
0582	**Instrument Type:** Flute in C **Maker Name:** Monzani **Maker Place:** London **Maker Date:** ca. 1812-1813 **Materials:** Cocus, silver keys. One head joint, cocus tuning screw cap. The other cap is cocus with ivory tuning screw, silver shaft, ivory bushing at embouchure. **Keys Holes System:** 9 keys, round flaps. **Physical Description:** 3 joints (no separate foot joint), with 2 head joints, tuning slide on one head joint. **Measurement:** 67.4 cm.; 67.7 cm. **Condition:** Head joint with tuning slide, cracks full length. Barrel repaired with silver ferrule. Upper joint cracked at socket. Lower joint cracked at socket. Long F key block lined with silver, one side broken and repaired with a dowel. **Provenance:** William Powell, Birmingham, England, 6 Apr. 1926. Digital image available

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0583	**Instrument Type:** Flute in C **Maker Name:** Thomas Prowse **Maker Place:** London **Maker Date:** 1816-1868 **Materials:** Cocus, silver and/or silver-plate cap, keys, and lavishly machine-knurled ferrules. Silver lip plate. Animal horn (ebonite?) embouchure bushing. **Keys Holes System:** 8 keys, saltspoon, Nicholson holes, with pewter plugs over square metal plates for C#, C. Originally cross-pinned at D# block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.05 cm. **Notes:** Double reverse pressure leaf springs. Lip plate, possibly original. Silver-lined blocks and pin. **Case:** Original case, with silver name plate: W. Mountcastle. **Condition:** Head joint, upper section, cracked. Part of upper C key block missing. **Provenance:** J. Clayton Boyes, Bushey, England, 1 May 1926. Digital image available
0584	**Instrument Type:** Flute in A-flat **Maker Name:** Johann Tobias Uhlmann **Maker Place:** Vienna **Maker Date:** 1810-p1838 **Materials:** Curly boxwood, nickel silver keys, ferrules, and key block linings. **Keys Holes System:** 12 keys, modern style key cups plus pewter plugs for low C#, C, B (A, A-flat, G), all keys metal-lined. Foot to G. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 87.1 cm. **Notes:** Possibly an export instrument made for English flute band usage. **Condition:** Head joint barrel cracked. **Provenance:** Eugene Weinberger, New York, 29 Apr. 1926. Digital image available
0585	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Soft wood, pine(?), carved snake stained light red clay color, traces of yellow paint still remain. Lead flue plate, cover of pipestone. Leather. **Keys Holes System:** 0/5 holes. **Physical Description:** Tube, gouged from 2 halves of split branch and glued, decorated with a high relief carved snake figure which encircles it. Flue plate and unusually large cover, a pipestone carved rabbit, perforated laterally in 3 places to secure it with a leather thong. **Measurement:** 59.7 cm. **Notes:** DCM ledger: "Sioux Indian." **Condition:** The stone flue cover is either broken and missing a major portion of its original image, or purposely incomplete. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 5 May 1926. Digital image available

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0586	**Instrument Type:** Flute in C **Maker Name:** Potter **Maker Place:** London **Maker Date:** ca. 1745-1823 **Materials:** Boxwood, silver keys, ivory cork-setting mechanism, cap, and ferrules. Metal-lined head (full), and key blocks. **Keys Holes System:** 4 keys, pewter plugs over metal-lined holes. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 58.7 cm. **Notes:** Register slide in foot. DCM ledger: "Body and head may not be mates." Miller may be referring to the absence of finish on the body joints, or, more likely, because the head joint inner metal tube extends slightly into the socket, the upper body joint tenon does not fit all the way into that socket. DCM seems not to have noticed that the upper body joint has been shortened, and the resulting new tenon is likely longer than the original. **Condition:** Head joint barrel cracked. Upper body joint altered, see above Notes. F key block cracked through pin line. Foot joint cracked full length, although the bottom ferrule is not affected; register slide cracked. **Provenance:** A. Blaker, London, 9 June 1926. Digital image available
0587	**Instrument Type:** Flute in C **Maker Name:** Clementi & Co. **Maker Place:** London **Maker Date:** 1802-1831 **Materials:** Cocus, silver keys and ferrules. Animal horn bushings on 6 toneholes. Silver over ivory at 2 sockets. **Keys Holes System:** 8 keys, saltspoon, pin in block. See Notes. **Physical Description:** 4 sections, tuning slide in head. Much of the head joint surface decorated with closely spaced turnings similar to Scottish bagpipe décor. **Measurement:** 66.8 cm. **Notes:** This instrument is unusual and may have received several alterations, reasons for which are not clear. According to DCM: "All fingerholes are bushed, as though the large Nicholson holes have been reduced." However, this instrument may not have had Nicholson-sized holes originally applied to it. The lower ends of both the middle and foot joints have what appear to be wooden extensions which in fact do not extend the length beyond the expected norm for either joint. These are likely repairs and not necessarily related to the fingerhole bushings. **Condition:** Head joint, both sections, cracked. **Provenance:** A. Blaker, London, 9 June 1926. Digital image available

Unit Id	*Contents*
0588	**Instrument Type:** Flute in C **Maker Name:** Jerome Thibouville-Lamy **Maker Place:** Paris **Maker Date:** a1867-p1950 **Materials:** Cocus, silver-plate over brass keys and ferrules. Middle joint upper tenon, metal, both sockets metal-lined. **Keys Holes System:** 11 keys, post and rod, modern style key cups, not on ribs but including an extended conical bore, old-system rod system. **Physical Description:** 3 sections. **Measurement:** 67 cm. **Condition:** Two cracks in head at socket. **Provenance:** A. Blaker, London, 9 June 1926. Digital image available
0589	**Instrument Type:** Cuckoo Pipe **Maker Name:** Anonymous **Materials:** Wood, stained brown **Keys Holes System:** 0/1 hole plus one small end hole. **Physical Description:** Fipple flute with tuning slide. **Measurement:** 15.7 cm. **Provenance:** A. Blaker, London, 9 June 1926. Digital image available
0590	**Instrument Type:** Flute in C **Maker Name:** Clementi & Co. **Maker Place:** London **Maker Date:** 1802-1831 **Materials:** Boxwood, stained dark brown, ivory ferrules and head joint cap, brass key. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 59.3 cm. **Condition:** Lower end of head joint chipped at bulge (crack does not go through to bore) **Provenance:** Fenton, London, 14 June 1926. Digital image available
0591	**Instrument Type:** Cuckoo Pipe **Maker Name:** Anonymous **Materials:** Rosewood, brass, nickel silver. **Keys Holes System:** 0/1 hole. **Physical Description:** Two sections. Fipple flute with brass and nickel silver tuning slide, terminating in wooden lower section containing one lateral fingerhole. This appears to be professionally made for theater orchestra use. **Measurement:** 15.95 cm. **Condition:** Lower section cracked. **Provenance:** Fenton, London, 14 June 1926. Digital image available

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0592	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** late 18c **Materials:** Ivory, silver key. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 main joints, 8 total sections. Each main joint is made of two pieces of ivory threaded together. **Measurement:** 61.6 cm. **Notes:** Reason for unusual division of the instrument is not clear. Seyfrit suggests it may have been shortened to accommodate a rise in the prevailing pitch, but the grain lines in the ivory suggest otherwise. **Provenance:** Fenton, London, 14 June 1926. Obtained the day before at Steven's Auction Room, 38 King St. Digital image available
0593	**Instrument Type:** Flute in G **Maker Name:** Wigley & McGregor **Maker Place:** London **Maker Date:** 1811-1816 **Materials:** Boxwood, stained dark brown, ivory caps and ferrules, silver keys. **Keys Holes System:** 6 keys, 2 covering fingerholes 1 and 6 of the principal rank. Each key has an upward pressure secondary flat spring screwed to the instrument inside the respective block. The low D# (A#) key mount is silver-lined partly to ensure alignment to reduce sideplay. Pin in block. **Physical Description:** 4 sections. **Measurement:** 67.1 cm. **Notes:** Foot marked: WIGLEY / & / McGREGOR / PATENTEES / LONDON. British Patent No. 3349, McGregor, 1810. The head joint achieves a U-bend design by incorporating traditional bassoon butt joint construction. **Condition:** Head joint cracked in two places, formerly repaired with 7 cross pins. **Provenance:** Arnold Dolmetsch, Haselmere, England, 23 June 1926. Digital image available
0594	**Instrument Type:** Flute in A or A-flat **Maker Name:** Bilton **Maker Place:** London **Maker Date:** 1826-1856 **Materials:** Boxwood, brass keys, ivory ferrules. **Keys Holes System:** 8 keys, square flat flaps, pin in block. Pewter plug seats for low C#, C (A#, A). **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 87.1 cm. **Condition:** Head joint, both sections, cracked and filled, including ferrules. Upper C (A) key guide block broken off and missing back side. Low C key curiously made of 10 short sections brazed together, including a riveted patch on both sides going through the guideblock. It is not clear which of these repairs may be later. **Provenance:** Arnold Dolmetsch, Haselmere, England, 23 June 1926. Digital image available

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0595	**Instrument Type:** Flute in C **Maker Name:** S. Koch **Maker Place:** Vienna **Maker Date:** ca. 1807-p1866 **Materials:** Ebony, ivory cap, cork-setting mechanism and ferrules, silver keys. Head joint fully metal-lined. **Keys Holes System:** 9 keys, flat round flap. Pewter plug over metal-lined holes for C#, C, B. Low B for right thumb. Pin in silver-lined blocks. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 71.4 cm. **Condition:** Head joint, both sections, cracked, including the ferrule in the upper section. **Provenance:** Puttick & Simpson Auction, London, 24 June 1926. Digital image available
0596	**Instrument Type:** Flute in E-flat **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** ca. 1892 **Materials:** Ebonite, silver keys and ferrules. Metal-lined head joint (full length) and sockets. **Keys Holes System:** 6 keys, round, post and rod, direct mount. **Physical Description:** 3 sections, cylindrical. **Measurement:** 50.8 cm. **Provenance:** A. Blaker, London, 26 June 1926. Digital image available
0597	**Instrument Type:** Flute in C **Maker Name:** William Bark **Maker Place:** London **Maker Date:** 1832-1848 **Materials:** Cocus, ivory cork-setting mechanism, cap [missing] probably ivory with or without a silver veneer, silver keys and ferrules. Metal-lined head. **Keys Holes System:** 8 keys, to low C, saltspoon. Pewter plugs over large square metal plates for D#, C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in metal-lined head. **Measurement:** 64.8 cm. (without cap) **Notes:** Silver ferrules screwed with silver dowels. DCM ledger: "A second blow-hole has been cut in head (first one is plugged) to lower pitch." **Condition:** Head joint upper section cracked, on side opposite embouchure, and therefore still playable. Upper body joint has indentation crudely applied, likely by a former owner or user at LH 1st finger 1st phalynx. Lower body joint has about 110 degrees opposite fingerhole rank 4 gouges or file cuts apparently as a thumb friction support, except that they are misplaced and not effective. **Provenance:** A. Blaker, London, 26 June 1926. Digital image available

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0598	**Instrument Type:** Flute-Flageolet (Fragment) **Maker Name:** William Bainbridge **Maker Place:** London **Maker Date:** 1808-1831 **Materials:** Boxwood, ivory cap and ferrules. **Physical Description:** 2-part fipple head joint for combination flute-flageolet likely for a one- to four-keyed instrument similar to DCM 820. **Measurement:** 21.2 cm. (as is) **Notes:** The design is such that a standard transverse flute head joint containing the socket would probably work with the instrument but was not likely provided for it. The fipple or block flute head joint had a now missing lateral ivory mouthpipe, allowing the instrument to be held as a transverse flute. This 2-piece fipple head joint allows for tuning just beneath the fipple section or where the entire unit joins the entire instrument's upper body joint. The head joint cap contains machine thread and attaches in that manner. **Provenance:** A. Blaker, London, 26 June 1926. Digital image available
0599	**Instrument Type:** Flute in C (Fragment) **Maker Name:** Key **Maker Place:** London **Maker Date:** a1805-1858 **Materials:** Boxwood, silver keys, ivory ferrules. **Keys Holes System:** Originally 8-keyed flute. Later, RH B-flat lever added (now missing) incorporating separate boxwood blocks morticed into the body of the upper joint. That joint also contains just above fingerhole 1, a rectangular steel plate (23.3 mm. x 5 mm.) inlaid flush with surface and affixed with flat head steel screws, purpose unknown. **Physical Description:** 3 sections, as is. Head and barrel joints missing. **Measurement:** 46.6 cm. (as is) **Condition:** Upper C key and B-flat lever alternate key missing. C hole filled with shellac. Two mounts broken at B-flat (upper C key and B-flat alternate lever and their mounting blocks partly missing). **Provenance:** A. Blaker, London, 26 June 1926. Digital image available
0600	**Instrument Type:** Flute in C **Maker Name:** Gerock & Wolf **Maker Place:** London **Maker Date:** 1831-1832 **Materials:** Boxwood, ivory cap, cork-setting mechanism and ferrules, silver keys, metal-lined head. **Keys Holes System:** 6 keys, foot to C. Saltspoon, except low C#, C, which have pewter plug pads over metal-lined holes. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.5 cm. **Condition:** Head joint, both sections, cracked, including upper ferrule. **Provenance:** A. Blaker, London, 26 June 1926. Digital image available

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0601	**Instrument Type:** Flute in C **Maker Name:** Proff **Maker Place:** Tours **Maker Date:** -1837- **Materials:** Boxwood, ivory cap and ferrules, silver keys. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 61.05 cm. **Notes:** The silver key, if original, has soldered to it underneath a brass spline as part of a breakage repair. **Condition:** Spring broken. **Provenance:** Pierre Schneider, Paris, 15 July 1926 Digital image available
0602	**Instrument Type:** Flute in C **Maker Name:** Bellissent **Maker Place:** Paris **Maker Date:** a1819-1842 **Materials:** Boxwood, with standard French cap (screw dome shape) of boxwood and ivory. Brass keys, ivory ferrules. **Keys Holes System:** 6 keys, round flaps, post and rod, mounted on brass crescent flanges. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 61.3 cm. **Condition:** Crack through barrel and lower head joint. **Provenance:** "Au Berceau Royal," M. et A. Salomon, Paris, 17 July 1926. Digital image available
0603	**Instrument Type:** Fife in C or D-flat **Maker Name:** Thibouville frères **Maker Place:** Ivry-la-Bataille **Maker Date:** mid 19c **Materials:** Unidentified wood, nickel silver keys and end ferrules. **Keys Holes System:** 1/6 plus 1 key (D#) plus 2 vent holes, cylindrical. Modern post and rod, direct mount. **Physical Description:** 1 piece. **Measurement:** 35.6 cm. (as is) **Notes:** Although this instrument has a key which would imply its being a flute, so-called, it is probably best to term it a fife based on information cited in an 1890 catalog from Martin Thibouville aîné which pictures essentially the same instrument as a "Fifre (…pour bataillon scolaire)." See also "Fife vs. Band Flute." **Condition:** Cap missing. **Provenance:** E. Angles, Paris, 17 July 1926. Digital image available

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0604	**Instrument Type:** Flute in C **Maker Name:** Jean Daniel Holtzapffel **Maker Place:** Paris **Maker Date:** a1812-p1850 **Materials:** Ebony, silver keys, ferrules. **Keys Holes System:** 8 keys, round flaps, pin in block, except low C#, C. Foot keys have conical leather plugs screwed on keys, in tubular-lined holes. C#, C key mechanism reminiscent of Drouet instruments involving a 90 degree transfer of motion from lever to pad cup. The screw cited by Miller (actually a wing bolt) may have been added as a pad height adjustment, it being a separate and added device. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.75 cm. **Condition:** Head joint, both sections, cracked and filled. **Provenance:** E. Angles, Paris, 17 July 1926. Digital image available
0605	**Instrument Type:** Flute in C **Maker Name:** Triebert **Maker Place:** Paris **Maker Date:** 1810-early 20c **Materials:** Rosewood(?), silver keys and ferrules. Head joint partly metal-lined, including tuning slide. **Keys Holes System:** 5 keys, saltspoon, post and rod mounted on recessed crescent-shaped flanges. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 60.95 cm. **Notes:** Head joint rosewood cap a replacement, possibly DCM, who reported it missing when acquired. **Condition:** Head joint, both sections, cracked. Foot joint cracked at socket. **Provenance:** E. Angles, Paris, 17 July 1926. Digital image available
0606	**Instrument Type:** Flute in C **Maker Name:** Noë frères **Maker Place:** Paris **Maker Date:** ?2nd half 19c **Materials:** Cocus, silver keys, ivory ferrules and cork-setting mechanism. Cap decorated with carved mother-of-pearl disk. Head joint partially metal-lined. **Keys Holes System:** 4 keys, modern style key cups, post and rod on crescent-shaped flanges. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 61.6 cm. **Notes:** The three body joint tenons have nickel silver strengthening ferrules both at the end and at the shoulder. **Condition:** Head joint, both sections, cracked, including 3 of 4 ferrules. The head joint barrel has a silver wire band 23 to 24 millimeters from the bottom as an attempt at crack repair. **Provenance:** E. Angles, Paris, 17 July 1926. Digital image available

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0607	**Instrument Type:** Flute in C **Maker Name:** Anonymous (See Mark and Notes.) **Maker Place:** Paris **Maker Date:** 19c **Materials:** Ebony, ivory cork-setting mechanism shaft and decorative inlaid disk in cap, silver keys, nickel silver ferrules. **Keys Holes System:** 5 keys, flat round flaps, post and rod, mounted on flanges. The C key is mounted in a metal saddle and may be an addition. The E-flat key flap is quite large and articulated (hinged) for assured seating. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 61.25 cm. **Notes:** Possibly counterfeit, or possibly Tibouvile. **Condition:** Head joint, both sections, cracked, upper body also cracked. **Provenance:** E. Angles, Paris, 17 July 1926. Digital image available
0608a	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Hercule **Maker Place:** Paris **Maker Date:** a1895-early 20c **Materials:** Celluloid. **Keys Holes System:** The toneholes are slightly raised, looking rather like the initial stage of the drawn tonehole process. **Physical Description:** A slightly conical bore thin-walled ivory-colored celluloid flageolet made in one piece. Decorated with 2 black celluloid or other plastic ferrules, plus an imitation tortoise shell (celluloid) lower lip plate at the mouthpiece. **Measurement:** 29.2 cm. **Notes:** DCM ledger: "Set of 3 Celluloid Flageolets (Toys)." **Condition:** The D instrument has a chip missing at the mouthpiece. **Provenance:** Music store, rue du Louvre, Paris, 21 July 1926. Digital image available
0608b	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Hercule **Maker Place:** Paris **Maker Date:** a1895-early 20c **Materials:** Celluloid. **Physical Description:** See DCM 608a. **Measurement:** 24.6 cm. **Provenance:** Music store, rue du Louvre, Paris, 21 July 1926. Digital image available

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0608c	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Hercule **Maker Place:** Paris **Maker Date:** a1895-early 20c **Materials:** Celluloid. **Physical Description:** See DCM 608a. **Measurement:** 22 cm. **Provenance:** Music store, rue du Louvre, Paris, 21 July 1926. Digital image available
0609	**Instrument Type:** Flute in G **Maker Name:** Boehm & Mendler **Maker Place:** Munich **Maker Date:** 1862-1888 **Materials:** Silver, silver-plated ebony embouchure plate (gold-lined hole), wood crutch. **Keys Holes System:** Boehm system, Schleif key, closed G# (altered to be closed G#, according to DCM). Roller C. **Measurement:** 87.5cm. **Case:** Original case. **Condition:** Embouchure plate is cracked. **Provenance:** Jean Boulze, Paris, 24 July 1926. Digital image available
0610	**Instrument Type:** Piccolo in unidentified key (See Notes.) **Maker Name:** Anonymous **Materials:** Unidentified hard wood, bone head joint cap and bottom ferrule, brass key guard plates, brass keys. **Keys Holes System:** 6 keys, square flat flaps, operated by long brass levers which extend downward, along the underside. Each incorporates a 90 degree bend extending upward through perforations in the wood and each terminates in a brass concave finger button riveted to the key end. In effect, this is a 1-keyed piccolo. In addition to the amateur but cleverly done keywork and lever system, there are 3 brass guard plates, the largest of which is a right thumb rest, each applied with brass pins. **Measurement:** Rectangular shape approximately 32-34 mm. by 14-15 mm. See Notes. Sounding length is 13.2 cm. **Notes:** Pitched approximately an octave above normal C piccolo. This instrument is obviously the work of an amateur builder in an attempt to produce a flute approximately an octave above the standard C (D-flat?) piccolo. The upper end has been turned on a lathe to form a head joint of approximately 7.2 cm in length, which appears to be growing from that end of the instrument! Similarly, the bottom end has also been turned to provide a decorative simulated foot joint. The actual functioning bore is installed in only the upper half. The toneholes, if actually in approximately accurate positions, are too close together to actually be covered. It is curious that as clever as this design may be for an amateur, he left no way to adjust the head joint cork further away from the embouchure, only closer to it. **Provenance:** Auguste Buffet (daughter of Djalma Julliot), Paris, 26 July 1926. Digital image available

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0611	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1818 **Materials:** Clear glass, clear red glass (amethyst or garnet) cap and keys, silver keys, posts, rods, flanges. **Keys Holes System:** 4 keys, modern-like key cups, post and rod on silver flanges, bolted to body of instrument which is soldered to foot joint socket ferrule. **Physical Description:** 4 sections. **Measurement:** 62 cm. **Notes:** DCM ledger: "Each key has an AMETHYST or GARNETT [sic] as big as the key, mounted on the upper surfaces (only other specimen like this is in the Paris Conservatory Museum)….outer surface is cut in diamond-shaped facets." **Case:** Case marked: C.D. (on inlaid pearl plate) **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0612	**Instrument Type:** Walking Stick Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Wood, possibly mahagony, pommel of the same wood, brass staff, ferrule. **Keys Holes System:** 1 key, recessed, pin in block, the touch piece carved to look like a knot in the wood. **Physical Description:** 4 pieces, including head joint, upper and middle bodies, combination foot joint and terminating tapered brass staff. Exterior turned to appear like bamboo. **Measurement:** 85.9 cm. **Notes:** Each socket is reinforced with a recessed brass ferrule, not visible when the instrument is assembled. Two vent holes in the bottom staff portion (which contains the socket), and, for visual reasons, was likely meant to remain on the instrument when played. **Condition:** Cracks in sockets of lower 2 joints. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0613	**Instrument Type:** Walking Stick Flageolet in C **Maker Name:** Anonymous, English or American **Maker Date:** 19c **Materials:** Boxwood, ivory ferrule at pommel, and nickel silver at socket (replacement?). **Keys Holes System:** 1/8 plus 1 key, square flat flap, pin in block. One vent hole for C. **Physical Description:** 3 pieces, including head joint, body joint, and terminating staff tipped with tapered brass ferrule and steel tack or pin (now missing). **Measurement:** 75.4 cm. **Notes:** Boxwood pommel with dual embouchure holes. **Condition:** Body joint and staff are warped. Ivory ferrule is cracked and chipped. Head joint cracked. **Provenance:** André Rossignol, Paris, 28 July 1926.

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0614	**Instrument Type:** Flute in C **Maker Name:** Leroux **Maker Place:** Mirecourt; Paris **Maker Date:** a1839-a1844; a1844-p1883 **Materials:** Boxwood, brass key, black horn ferrules. **Keys Holes System:** 1 key, round flat flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 61.75 cm. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0615	**Instrument Type:** Flute in C **Maker Name:** Thomas Lot III **Maker Place:** Paris **Maker Date:** 1734-p1787 **Materials:** Boxwood, stained medium brown, ivory cap and ferrules, silver key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 63 cm. **Condition:** Head joint crack at socket (not ferrule). Embouchure hole has been crudely enlarged and, roughly equidistant between it and the socket end (lower), another hole has been bored where the maker's mark may have been stamped, purpose unknown. Foot joint has 3 cracks in socket and 3 cracks (different locations) in the upper ferrule, plus another at the key pin line. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0616	**Instrument Type:** Flute in C **Maker Name:** B. Cabailh **Maker Place:** France(?) **Maker Date:** late 18c **Materials:** Boxwood, ivory cork-setting mechanism with boxwood cap. Cap decorated with an ivory disk. Silver key, ivory ferrules. **Keys Holes System:** 1 key, flat pivoted flap. Post and rod on flange, applied with 2 screws. **Physical Description:** 4 sections, tuning slide in head. Head partially lined. **Measurement:** 60.9 cm. **Notes:** Head joint barrel is applied to the brass outer tuning slide member with machine threads. **Condition:** Head joint, both sections, cracked, including 3 ferrules. Lower foot joint ferrule not original (probably DCM). **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available

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0617	**Instrument Type:** Flute in C **Maker Name:** Triébert **Maker Place:** Paris **Maker Date:** 1810-mid 19c **Materials:** Ebony, silver keys, ivory ferrules and cork-setting mechanism. **Keys Holes System:** 5 keys (no short F), mounted in silver saddles, round flat flaps. **Physical Description:** 4 sections, tuning slide in head. Head joint partially metal-lined. **Measurement:** 61.2 cm. **Condition:** Head joint, both sections, cracked, including 2 of 4 ferrules. Lower body joint crack in socket to fingerhole 4. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0618	**Instrument Type:** Flute in C **Maker Name:** Hérouard **Maker Place:** Paris **Maker Date:** 1835-1878 **Materials:** Boxwood, wood cap with ivory inlay, silver key, bone ferrules. See Condition. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 61.4 cm. **Condition:** Key appears to be a replacement. Cap, as described by DCM, was missing. Replacement of same description added 1999. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0619	**Instrument Type:** Flute in C **Maker Name:** Augustin Grenser I **Maker Place:** Dresden **Maker Date:** 1744-p1798 **Materials:** Boxwood, ivory cap and ferrules, silver key. **Keys Holes System:** 1 key, not original, square flap. Pin in block. **Physical Description:** 3 sections, missing upper body. See DCM 1128. **Measurement:** 46.8 cm. (as is) **Notes:** Present key is a replacement made by riveting together a square key flap and a finger spatula not necessarily from an instrument part. According to DCM ledger, this instrument was purchased with an upper body joint marked: G. A. ROTTENBURGH (see DCM 1128). **Condition:** Head joint socket warped and cracked, including ferrule. Foot joint lower ferrule cracked. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available

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0620	**Instrument Type:** English Flageolet in B-flat **Maker Name:** John Simpson **Maker Place:** London **Maker Date:** c1826-1869 **Materials:** Cocus, silver keys, ivory ferrules and finger studs. **Keys Holes System:** 0/7 holes (hole 7 covered by key) plus 5 keys for low C#, D#, short F, G#, B-flat. Pin in block. Square flat flaps, D# round flap, the brass F key and separate block possibly not original but more likely a replacement. **Physical Description:** 4 sections. **Measurement:** 48.3 cm. (without mouthpiece) **Condition:** Missing mouthpiece, missing 2 ivory finger studs. **Provenance:** André Rossignol, Paris, 28 July 1926.
0621	**Instrument Type:** English Flageolet in C **Maker Name:** Christopher Gerock **Maker Place:** London **Maker Date:** 1804-1823 **Materials:** Cocus, ivory mouth beak, ferrules, finger studs and upper sponge chamber section, silver key. **Keys Holes System:** 1/7 holes plus 1 key (D#), octagonal flap. **Physical Description:** 2 sections; upper section consists of fipple joint and 2-piece sponge chamber, plus mouth beak. **Measurement:** 42.6 cm. **Condition:** Finger spatula of key broken off and missing. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0622	**Instrument Type:** Piccolo in C (Low Pitch) **Maker Name:** Jean-François Martin **Maker Place:** La Couture **Maker Date:** 1827-? **Materials:** Boxwood, brass key, black horn ferrules. **Keys Holes System:** 1 key, round flap, pin in block. **Physical Description:** 3 sections. **Measurement:** 33.05 cm. **Condition:** The embouchure hole has been crudely enlarged. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available

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0623	**Instrument Type:** French Flageolet **Maker Name:** [Attributed to Jean Baptiste Martin] **Maker Place:** [La Couture] **Maker Date:** [late 18c] **Materials:** Cocus(?), bone ferrules and beak exterior. **Keys Holes System:** 2/4 holes. **Physical Description:** 2 sections. **Measurement:** 19.9 cm. **Condition:** Bone mouthpiece exterior is cracked and its tip, plus adjacent wooden tip material, is chipped away. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0624	**Instrument Type:** French Flageolet **Maker Name:** Naust **Maker Place:** Paris **Maker Date:** a1692-?1734 **Materials:** Ebony, ivory ferrules and beak. **Keys Holes System:** 2/4 holes. **Physical Description:** 1 piece. **Measurement:** 19.8 cm. **Condition:** Crack in ivory mouthpiece exterior. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0625	**Instrument Type:** French Flageolet **Maker Name:** Noblet **Maker Place:** France **Maker Date:** 1750-p1904 **Materials:** Cocus(?), ivory ferrules and beak. **Keys Holes System:** 2/4 holes. **Physical Description:** 2 sections **Measurement:** 16.15 cm. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0626	**Instrument Type:** French Flageolet **Maker Name:** Anonymous **Maker Date:** early to mid 19c **Materials:** Ebony, ivory ferrules and beak. **Keys Holes System:** 2/4 holes. **Physical Description:** 2 sections, the upper of which is in 3 pieces, including mouthpiece and 2-part sponge chamber. **Measurement:** 26.2 cm. **Notes:** Unusually small bore, approximately 3.2 mm. **Condition:** Crack in upper sponge chamber section, chip of wood missing near fipple. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available

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0627	**Instrument Type:** French Flageolet **Maker Name:** Treumann **Maker Place:** Lyon **Maker Date:** 2nd quarter 19c **Materials:** Boxwood, horn beak and ferrules, brass key. **Keys Holes System:** 2/4 holes plus 1 key, pin in block, modern style key cup. **Physical Description:** 5 pieces, including tonehole section, fipple section, sponge chamber in 2 parts, and mouthpiece. **Measurement:** 37.6 cm. **Condition:** Warped lower section, to player's left. Cracked upper ferrule. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0628	**Instrument Type:** French Flageolet **Maker Name:** Noblet & Thibouville **Maker Place:** Ivry-la-Bataille **Maker Date:** a1862-a1887 **Materials:** Boxwood, ivory or bone mouthpiece, brass keys and ferrules. **Keys Holes System:** 2/4 holes plus 3 keys, shallow saltspoon, post and rod. **Physical Description:** 5 pieces, including tonehole section, fipple section, sponge chamber in 2 pieces, and mouthpiece. **Measurement:** 32.2 cm. (without mouthpiece) **Condition:** Mouthpiece broken off and missing. Upper and lower keys totally broken off, only hinge tube and a portion of the key remain on the post and rod unit. Middle key missing finger spatula portion. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0629	**Instrument Type:** Flute in C **Maker Name:** Klein **Maker Place:** Cologne **Maker Date:** a1779-p1844 **Materials:** Boxwood, ivory cap, cork-setting mechanism and ferrules, silver keys. **Keys Holes System:** 11 keys, round flat flaps, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 69.4 cm. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available

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0630	**Instrument Type:** End-blown Flute **Maker Name:** Anonymous, Arabic(?) **Materials:** Bamboo, brass ferrules, silver or other unidentified metal wire. **Keys Holes System:** 0/6 holes plus membrane hole. **Physical Description:** DCM ledger: "Cut in two at knot, to get in trunk." **Measurement:** 78.2 cm. **Notes:** At each end of the closely spaced septa, there is turned or hand-filed an approximately 5 mm. wide channel which is then decorated with a winding of silver or metal wire. The upper end likely had either an added length of integral bamboo material or another material carved to have a continuous bevel to function as the edge. **Condition:** The decorative wire windings are missing from the upper 3 septum areas described above although some or all of that wire material was placed inside the bore of the instrument. Originally in one piece, this instrument was cut in two at the 3rd septum from the top to fit into a trunk. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0631	**Instrument Type:** Flute in C **Maker Name:** Theobald Boehm **Maker Place:** Munich **Maker Date:** ca. 1828-1839 **Materials:** Boxwood, brass keys, ivory and brass ferrules. **Keys Holes System:** Old system, 3 keys (on upper joint), originally 8-keyed. Round flaps, block mounts. **Physical Description:** 2 sections only, head/barrel and upper body. Brass tuning slide (partial) in head. **Measurement:** 41.2 cm. (as is) **Condition:** Missing head joint cap and cork-setting mechanism (probably originally ivory). Head joint barrel section, cracked, including ivory ferrule. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0632	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Wood, stained reddish brown. **Keys Holes System:** 0/1 hole. **Physical Description:** Fipple flute terminating in decorative turned and carved lower end. One hole bore, possibly for 2-note, cuckoo effect. **Measurement:** 16.7 cm. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available

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0633	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous **Maker Place:** Possibly Southeast Asia **Materials:** Unidentified wood, highly ornamented throughout. **Keys Holes System:** 0/6 holes. **Physical Description:** 1 section, slightly curved. See Condition. **Measurement:** 24.45 cm. **Condition:** Extremely warped unless having been made as such. Three cracks at lower end. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0634	**Instrument Type:** Flageolet **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Boxwood, brass keys, flanges. **Keys Holes System:** Possibly 0/6 holes originally. This appears to be a 19th century six-holed flageolet or possibly a 19th century flageolet head joint for which another body joint was constructed to receive an unusual key design to cover 7 toneholes for one-hand, likely right. Two perforated holes. Flat brass hole-covering levers, 2 of which are perforated. All are attached with flat brass flanges screwed to the body, and each terminating in hinge-like structures utilizing coil springs similar to those used in luggage hardware. **Physical Description:** 2 sections, body and head. Custom designed. See Keys, etc. **Measurement:** 24.8 cm. **Notes:** Just above the terminating decorative turned bead, there is a brass pin inserted laterally, purpose unknown, possibly for a supporting bracket. **Condition:** Body section has 2 full length cracks which at first glance appear to have been repaired with threaded nickel silver cross pins, however, they do not address said cracks. Instead, they are for pre-cross pinning across that area of the tube containing 6 of the 7 toneholes which are of unusually wide diameter for such a small instrument, and include an extended flat section cut into the wood as a continuous key seat for all the pads. Consequently, the wood mass is thin and fragile. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available
0635	**Instrument Type:** Double Flageolet **Maker Name:** I. P. Lebrun **Maker Place:** Brussels **Maker Date:** -1837- **Materials:** Ebony(?), silver ferrules. **Keys Holes System:** Left: 1/7 holes; right 1/6 holes. The toneholes are drilled at a steep angle, coming together at the surface to form double holes, easily covered by the fingers, except for the single 7th hole of the left pipe. **Physical Description:** 1 piece, DCM ledger: "Double Flute Harmonique." This instrument is a 1-piece, dual bored double flageolet of unequal length from the upper end. The left pipe begins 21 mm. beneath the right pipe. **Measurement:** 24.6 cm. **Notes:** The instrument automatically plays in thirds. **Provenance:** André Rossignol, Paris, 28 July 1926. Digital image available

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0636	**Instrument Type:** Flute in C **Maker Name:** Potter **Maker Place:** London **Maker Date:** 18c **Materials:** Ebony, ivory cap, cork-setting mechanism and ferrules, silver keys. **Keys Holes System:** 7 keys, pewter plug, all toneholes metal-lined. Pin in block. **Physical Description:** 4 sections. Head joint with tuning slide, barrel section missing. **Measurement:** 61.3 cm. (as is) ; 17.7 cm. (head joint) and 46.65 cm. (body) **Condition:** Upper joint upper tenon cracked and missing about 90 degrees in circumference, and repaired just beneath tenon with a nickel silver ring, possibly from a clarinet, and the wood having been turned down to accept the ring. Barrel missing. Part of F key mount is missing. **Provenance:** F. Perks & Co., London, 3 Aug. 1926. Digital image available
0637	**Instrument Type:** Flute in C, Left-Handed **Maker Name:** Alexander Liddle **Maker Place:** London **Maker Date:** 1847-1879 **Materials:** Rosewood, nickel silver keys, ferrules. **Keys Holes System:** 6 keys, shallow saltspoon cups, with Nicholson fingerholes, nickel silver bushings. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 59.6 cm. **Notes:** DCM ledger: "Made for left-handed use, and altered to accommodate right hand with thumb, first and second fingers partly amputated (the first or second joint)." **Condition:** Metal bushing missing on some holes, both head joint pieces cracked full length. **Provenance:** Field Antiques, Oxford, England, 11 Aug. 1926. Digital image available
0638	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** ca. 1882 **Materials:** Cocus, nickel silver keys, metal-lined head. **Keys Holes System:** Cylindrical bore, 8 keys plus keywork for 6 principal rank fingerholes. The upper fingerholes (1st finger LH) consist of 2 fingerholes with the upper key plate open-holed. Post and rod and pin in block key mounts. **Physical Description:** 3 sections. **Measurement:** 65.2 cm. **Notes:** DCM ledger: "Exchanged joints with No. 149." **Condition:** Head joint cracked full length. Foot joint cracked at E-flat pin block. C#, C keys missing. **Provenance:** William Powell, Birmingham, England, 13 Aug. 1926. Digital image available

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0639	**Instrument Type:** Bass Flute in B-flat (See Notes.) **Maker Name:** Hawkes **Maker Place:** London **Maker Date:** 1895-1926 **Materials:** Ebonite upper, lower, and embouchure barrel, nickel plate over metal keys, ferrules. **Keys Holes System:** 10 keys (6-keyed flute with 4 of the 6 principal rank of holes covered by keys). Post and rod, modern style key cups. **Physical Description:** 3 sections. The head joint is in traditional U-bend form for flute band marching convenience. Head joint and all key and ferrule work are nickel plate over base metal. **Measurement:** 57.45 cm. **Notes:** This instrument is in A-flat, a major third below the concert flute in C. See "Preface." **Provenance:** Donald Critchett, London, 14 Aug. 1926. Formerly owned by William Powell, Birmingham, England. Digital image available
0640	**Instrument Type:** Whistle **Maker Name:** Anonymous, English **Maker Date:** 17c(?) **Physical Description:** Bone, carved in high relief. **Measurement:** 6.8 cm. **Notes:** DCM ledger: "Said by Fenton to be 'English 17th century'". **Condition:** Fipple block missing; closed at crown end with wooden plug. **Provenance:** Fenton & Son, London, 17 Aug. 1926. Digital image available
0641a-h	**Instrument Type:** Vertical Whistle Flute **Maker Name:** J. H. **Maker Place:** London **Maker Date:** 20c **Materials:** Brass with gold-color lacquer. **Keys Holes System:** 0/6 holes. **Measurement:** 21.1 cm., 23.5 cm., 26.75 cm., 28.35 cm., 31.95 cm., 35.8 cm., 37.5 cm., 42.45 cm. **Notes:** DCM ledger: "Set of 8 'Tin' Flageolets." **Provenance:** A. V. Ebblewhite, London, 17 Aug. 1926. Digital image available

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0642	**Instrument Type:** Flute in C **Maker Name:** Rudall Rose Carte & Co. **Maker Place:** London **Maker Date:** 1854-1871 **Materials:** Cocus, silver cap, keys, ferrules. Metal-lined sockets and tenon. **Keys Holes System:** 8 keys, pewter plugs over round plates for C#, C. Post and rod, modern style key cups. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66 cm. **Notes:** DCM: "Stud has been cut off; and opening in cap has been closed with disk of g.s. [German silver]." **Case:** Original case, with guarantee certificate. **Condition:** Barrel cracked and crack at socket of middle joint. **Provenance:** J. Clayton Boyes, Bushey, England, 20 Aug. 1926. Digital image available
0643	**Instrument Type:** Vertical Whistle Flute in C **Maker Name:** Anonymous **Materials:** Steel body with unidentified metal (possibly pewter) mouthpiece, all painted black. **Keys Holes System:** 0/6 holes. **Physical Description:** A form of standard conical bore penny whistle. **Measurement:** 35.5 cm. **Provenance:** J. Polfliet [J.T.T.], Brussels, 20 Aug. 1926. Digital image available
0644	**Instrument Type:** Flute in C **Maker Name:** Heinrich Grenser **Maker Place:** Dresden **Maker Date:** 1796-1817 **Materials:** Ebony, ivory cap and ferrules, silver keys. Boxwood threaded head joint tuner with ivory shaft. **Keys Holes System:** 4 keys, elongated round flaps. **Physical Description:** 4 sections plus 2 upper body joints. **Measurement:** 63.9 cm., 64.6 cm., 65.4 cm. **Notes:** Upper joints from highest to lowest marked 3, 2, and 2 (accidently stamped as such, and corrected at factory with "1" stamp.) Joint "1" misstamped "2" and bears both crown and Saxon swords superimposed. **Condition:** Head joint cracked. Ivory ferrule, lower body joint, cracked. **Provenance:** Debelaer Antiques, Brussels, 23 Aug. 1926. Digital image available

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0645	**Instrument Type:** Flute in C **Maker Name:** Florent Hofinger **Maker Place:** Brussels **Maker Date:** ca. 1911 **Materials:** Silver plate with inner tube of gold. **Keys Holes System:** Boehm system, closed G#, roller C. **Physical Description:** 3 sections, patented (Belgian Patent 240.185, 1911) double-wall construction. **Measurement:** 67.4 cm. **Notes:** This flute has a patented (Belgian Patent 240.185, 1911) double-wall construction utilizing a gold tube inside an outer tube of any suitable metal, the main purpose, as stated by the patentee, is to augment sonority and free vibration, apparently due to an air space between the 2 tubes, thus allowing the inner tube a less constricted or braced housing. The air space also will have a thermal control advantage similar to the sterling silver double-wall clarinets manufactured by W. S. Haynes in the 1920s (see DCM 1431a-b). The long head joint tenon does not have the customary friction fit, but is instead slightly smaller, requiring a pair of rubber gaskets. **Provenance:** Florent Hofinger, Brussels, 24 Aug. 1926. Digital image available
0646a	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Maple, painted pink, blue and white. **Physical Description:** 2 part, turned body with maple blow (fipple) pipe and carved bird on top. **Measurement:** 10.2 cm. **Notes:** The body may be opened to receive water for "warbling." **Condition:** Base slightly chipped, tip of beak broken off. **Provenance:** Shop, Lucerne, Switzerland, 25 Aug. 1926. Digital image available
0646b	**Instrument Type:** Cuckoo Whistle **Maker Name:** Anonymous **Materials:** Wood, painted red and black. **Keys Holes System:** The terminating hole at the end is covered by a finger for the lower cuckoo note. **Physical Description:** Wooden bird perched on turned wooden branch, leaving a layer of bark on most of the exterior. End decorated with 8 wood-burned dots. **Measurement:** 15.5 cm. **Condition:** Tip of beak broken off. **Provenance:** Shop, Lucerne, Switzerland, 25 Aug. 1926. Digital image available

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0647	**Instrument Type:** Ocarina **Maker Name:** Anonymous **Materials:** Blue majolica, with gilt tips and fingerholes. **Keys Holes System:** 2/8 holes. Lowest possible pitch is D. **Measurement:** 17.3 cm. x 3.85 cm. **Notes:** DCM 647 and 648 scanned together. **Provenance:** Jacob's Musikhaus, Munich, 8 Sept. 1926. Digital image available
0648	**Instrument Type:** Ocarina **Maker Name:** Anonymous **Materials:** Majolica, white, with bronze powder paint under glaze at tips and fingerholes. **Keys Holes System:** 2/8 holes. Lowest pitch C# likely intended as D. **Measurement:** 17.4 x 3.8 cm. **Notes:** DCM 647 and 648 also scanned together. **Provenance:** Sigmund Koch, Munich, 8 Sept. 1926. Digital image available
0649	**Instrument Type:** Fife in B-flat(?) (See Notes.) **Maker Name:** Anonymous **Maker Date:** early 20c **Materials:** Grenadilla(?), nickel silver cap and end ferrules. **Keys Holes System:** 0/7 holes, 7th hole is elevated. Conical bore. **Physical Description:** This instrument is turned to appear as a 2-piece (body and head joint) model but, in fact, it is a 1-piece fife. **Measurement:** 37.3 cm. **Notes:** DCM ledger: "Army fife. German pattern, recent." Cap and cork mechanism unusually elaborate, consisting of elegantly formed (spun) nickel silver cap over wooden shaft terminating in 17-millimeter-long cork mounted on machine threaded brass pin terminating in an almost-bore diameter brass disk which functions as the cork face. Due to the 7th fingerhole and a conical bore, the intended or best nomenclature for this instrument is uncertain. See "Fife vs. Band Flute." **Condition:** Missing cork. **Provenance:** Sigmund Koch, Munich, 8 Sept. 1926. Digital image available

Unit Id	*Contents*
0650	**Instrument Type:** Flute in C **Maker Name:** I. G. Helt **Maker Date:** late 18c(?) **Materials:** Boxwood, ivory cap and ferrules, brass key. **Keys Holes System:** 1 key, square flap. Pin in block. **Physical Description:** 4 sections. This instrument may have had several corps de rechange, the present upper body joint would have been one of the shorter if not shortest corps de rechange. In addition, it has been shortened at the upper end approximately 14 mm. **Measurement:** 58.7 cm. **Condition:** Head joint cap ivory element warped. Foot joint missing bottom ferrule and cracked at the bottom. **Provenance:** Sigmund Koch, Munich, 8 Sept. 1926. Digital image available
0651	**Instrument Type:** Flute in C **Maker Name:** Clair Godfroy, aîné **Maker Place:** Paris **Maker Date:** ca. 1825-1828 **Materials:** Cocus, wood cap with mother-of-pearl or abalone inlay. Silver keys, ferrules, sockets. **Keys Holes System:** Flute in C to low D, with 6 or 7 keys, post and rod on crescent flanges, depending on which of 3 interchangeable joints is used. Middle and longest joints have an extra 1st finger RH B-flat and an open standing upper C key, the metal-lined tonehole for which is elevated in an octagonal turret-like structure. This key must be kept closed by the left thumb, which manipulates the pad cup itself with no fingertouch piece there attached. **Physical Description:** 4 sections plus 2 additional corps de rechange. This instrument may be a composite of available joints selected at the factory. The original case has a sixth compartment which may have incorporated a second foot joint to low C or B. **Measurement:** 62.1 cm., 62.4 cm., 63 cm. **Notes:** It is possible that the head joint is the latest part of this instrument. **Case:** Mahagony case, with veneer finish. Silver handle and end plate (with inscription: Souvenir de Monsieur James Cockerill pour Monsieur E. Scheibler d'Aix le Chapelle 1825). Red chamois interior. **Provenance:** Sigmund Koch, Munich, 8 Sept. 1926. Digital image available

Unit Id	*Contents*
0652	**Instrument Type:** Flute in C **Maker Name:** Theobald Boehm **Maker Place:** Munich **Maker Date:** 1847 **Materials:** Brass, with brass cap, originally gold-plated, boxwood embouchure barrel, nickel silver keys and post. Ebony crutch. **Keys Holes System:** Boehm's 1847 system, post and rod, open G#. Right hand trill key for B-flat/C (thumb). **Physical Description:** 2 sections, cylindrical, body and foot are one piece. **Measurement:** 63.55 cm. **Notes:** Embouchure barrel slightly concave for lower lip. DCM ledger cites Boehm Record Book: "No. 1. 1847. September 15. Eine Flote von Messing und vergoldet, mit Ring Klapper von Neusilber." Presented to Briccialdi. **Case:** Original case. **Condition:** Boxwood embouchure barrel cracked and filled. Original plating no longer (visible) present. **Provenance:** Sigmund Koch, Munich, 9 Sept. 1926. Digital image available
0653	**Instrument Type:** Flute in C **Maker Name:** Theobald Boehm **Maker Place:** Munich **Maker Date:** 1848 **Materials:** Nickel silver, ivory tube for embouchure, wood crutch. **Keys Holes System:** Boehm system, open G#. **Measurement:** 62.6 cm. **Notes:** DCM identifies the crown mark and no. 28 as "K. Hofmusik / Number." **Case:** Original case. **Condition:** Altered aspects were realtered and repaired by Miller, see DCM ledger. Ivory cracked through embouchure and poorly filled. **Provenance:** Sigmund Koch, Munich, 9 Sept. 1926. DCM ledger: "Koch said this flute came from 'Knierer', a former pupil of Boehm's." Digital image available
0654	**Instrument Type:** Flute in C (possibly D-flat) **Maker Name:** Anonymous, possibly Rudolph Greve, or Boehm & Greve **Materials:** Boxwood, nickel silver keys, ferrules. **Keys Holes System:** Boehm's 1832 system, open G#, foot to C. DCM ledger: "Holes with rings have metal bushings with raised edges for fingers." **Physical Description:** Conical bore. **Measurement:** 65.7 cm. **Notes:** DCM ledger: "Foot joint is extended and closed by a cap screwed on….Tube concaved at blow-hole for lower lip….Flute is accompanied by a second head joint....Head has been shortened, removing [maker's] mark." **Provenance:** Sigmund Koch, Munich, 9 Sept. 1926. Digital image available

Unit Id	*Contents*
0655	**Instrument Type:** Flute in E-flat **Maker Name:** Rudolph Greve **Maker Place:** Munich **Maker Date:** 1847-1862 **Materials:** Boxwood, wood cap and stud, brass ferrules, keys, tuning slide. **Keys Holes System:** Boehm's 1832 system, conical, open G#. Foot to written D. **Physical Description:** 3 pieces, tuning slide in head. **Measurement:** 51.4 cm. **Notes:** According to DCM ledger, "Brass ring keys gilded in posts. Tube concaved on inner side of blow-hole for lower lip, same as on DCM 652, 654." **Condition:** Barrel, cracked and repaired with wide nickel silver ferrule. Tuning barrel joint cracked, formerly repaired, filled, and strengthened with 2 nickel silver ferrules, possibly by DCM. Crutch bracket currently detached from instrument. **Provenance:** Sigmund Koch, Munich, 9 Sept. 1926. Digital image available
0656	**Instrument Type:** Flute in E-flat **Maker Name:** Rudulph Greve **Maker Place:** Munich **Maker Date:** 1847-1862 **Materials:** Boxwood, ivory cap and ferrules, brass (originally gilded according to DCM ledger) keys. **Keys Holes System:** 7 keys, round flat flaps, pin in block. Foot to written C#. **Physical Description:** 3 sections. **Measurement:** 53.7 cm. **Condition:** All 3 joints slightly warped. **Provenance:** Sigmund Koch, Munich, 9 Sept. 1926. Digital image available
0657	**Instrument Type:** Flute in C **Maker Name:** Boehm & Greve **Maker Place:** Munich **Maker Date:** 1839-1846 **Materials:** Boxwood, ivory cap and ferrules, brass keys. **Keys Holes System:** 8 keys, round flat flaps, pin in block. **Physical Description:** 4 sections, tuning slide (partial) in head. **Measurement:** 66.2 cm. **Condition:** Head joint lower section cracked with its ivory ferrule missing and replaced with a brass ferrule (possibly an early repair attempt). **Provenance:** Sigmund Koch, Munich, 9 Sept. 1926. Digital image available

Unit Id	*Contents*
0658	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Johann Schell **Maker Place:** Nürnberg **Maker Date:** 1697-1732 **Materials:** Boxwood, stained brown. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 50.2 cm. **Provenance:** Sigmund Koch, Munich, 9 Sept. 1926. Digital image available
0659	**Instrument Type:** Flageolet **Maker Name:** Joseph Ebner **Maker Place:** Munich **Maker Date:** 1829-1837 **Materials:** Cocus, ivory mouthpiece, silver keys and ferrules. Ivory plug for 1st hole. **Keys Holes System:** 0/7 holes plus 8 keys. **Physical Description:** In 2 sections, upper section consists of fipple joint, 2-part sponge chamber, the upper portion of which is elegantly elongated, terminating at the top with an elegant silver double baluster, and silver ferrule slightly oriental in design. See Notes. **Measurement:** 52.75 cm. **Notes:** DCM ledger states that Ebner was a "dealer, not maker." This instrument has a wide ivory mouthpiece, not containing the usual round windway, but extremely flattened to appear like a (bassoon) double reed. **Condition:** Ivory half-hole vent is partially filled. **Provenance:** Sigmund Koch, Munich, 9 Sept. 1926. Digital image available
0660	**Instrument Type:** Flute in C **Maker Name:** Piering **Maker Place:** Berlin **Maker Date:** 1808-ca. 1848/50 **Materials:** Ebony(?), ivory head joint cap (including cork-setting mechanism) and ferrules, silver keys. **Keys Holes System:** 2 keys, square flat flaps (D#, G#), pin in block. **Physical Description:** 4 sections, with 3 corps de rechange. **Measurement:** 61.9 cm., 62.7 cm., 63.4 cm. **Provenance:** Sigmund Koch, Munich, 9 Sept. 1926. Digital image available

Unit Id	*Contents*
0661	**Instrument Type:** Dvojnice (Double Vertical Whistle Flute) **Maker Name:** Milos N. Ignjatovic(?) **Maker Place:** Serbia(?) **Materials:** Unidentified hard wood. **Keys Holes System:** Left tube: 0/4 holes. Right tube: 0/3 holes. **Physical Description:** Drilled with 2 bores not parallel, 2 fairly well-fitted blocks at fipple. **Measurement:** 28.35 cm. **Provenance:** Sigmund Koch, Munich, 9 Sept. 1926. Digital image available
0662	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Materials:** Bamboo. **Physical Description:** 22 pipes. **Measurement:** 3.1 x 19.2 x 28.1 cm. **Provenance:** Sigmund Koch, Munich, 10 Sept. 1926.
0663	**Instrument Type:** Soprano Recorder in C **Maker Name:** Lorenz Walch II **Maker Place:** Berchtesgaden **Maker Date:** a1809-1862 **Materials:** Boxwood, animal horn ferrules. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 34.2 cm. **Condition:** Head joint block likely a replacement. Bottom joint cracked at socket, horn ferrule replaced with metal ferrule, and painted with black lacquer. **Provenance:** Sigmund Koch, Munich, 10 Sept. 1926. Digital image available
0664	**Instrument Type:** Piccolo in C (Low Pitch) **Maker Name:** Stengel **Maker Place:** Bayreuth **Maker Date:** 1805-1902 **Materials:** Boxwood, brass key, horn ferrules. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 32 cm. **Condition:** Chips of wood missing by third fingerhole. **Provenance:** Sigmund Koch, Munich, 10 Sept. 1926. Digital image available

Unit Id	*Contents*
0665	**Instrument Type:** Khlui (Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Thailand **Materials:** Bamboo, stained with diamond and leaf pattern. **Keys Holes System:** 1/7 holes plus membrane hole plus 4 vent holes. **Physical Description:** 1 piece. **Measurement:** 44.2 cm. **Notes:** See DCM 1365. **Condition:** Cracks beneath septum or node. **Provenance:** André Rossignol, Paris, 13 Sept. 1926. Digital image available
0666	**Instrument Type:** French Flageolet **Maker Name:** Thibouville frères **Maker Place:** Ivry-la-Bataille **Maker Date:** 19c **Materials:** Boxwood, ivory ferrules. **Keys Holes System:** 2/4 holes. **Physical Description:** 2 sections, consisting of fingerhole or body pieces, and upper sections including fipple joint, sponge chamber in 2 parts, and mouthpiece (missing, likely ivory). **Measurement:** 42.8 cm. **Condition:** Mouthpiece missing. **Provenance:** André Rossignol, Paris, 13 Sept. 1926. Digital image available
0667	**Instrument Type:** Piccolo in D (C) **Maker Name:** Thomas Lot III **Maker Place:** Paris **Maker Date:** 1734-p1787 **Materials:** Boxwood, brass keys, animal horn ferrules. **Keys Holes System:** 1 key, square (slightly trapezoid), pin in block. **Physical Description:** 4 sections. **Measurement:** 33.2 cm. **Condition:** Lower body joint socket cracked, missing portion and missing ferrule. Foot joint ferrules cracked. **Provenance:** André Rossignol, Paris, 13 Sept. 1926. Digital image available
0668	**Instrument Type:** French Flageolet **Maker Name:** Jean-Francois Martin **Maker Place:** La Couture **Maker Date:** 1827-? **Materials:** Boxwood, animal horn ferrules and mouthpiece exterior. **Keys Holes System:** 2/4 holes. **Physical Description:** 2 sections. **Measurement:** 16.6 cm. **Provenance:** André Rossignol, Paris, 13 Sept. 1926. Digital image available

Unit Id	*Contents*
0669	**Instrument Type:** French Flageolet **Maker Name:** Jean Baptiste Martin **Maker Place:** La Couture **Maker Date:** late 18c **Materials:** Ebony, bone ferrules and mouthpiece exterior. **Keys Holes System:** 2/4 holes. **Physical Description:** 2 sections. **Measurement:** 16.5 cm. **Provenance:** André Rossignol, Paris, 13 Sept. 1926. Digital image available
0670	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1826 **Materials:** Clear glass, frosted inside with fluted exterior, mother-of-pearl cap, silver keys, ferrules. **Keys Holes System:** 8 keys, round flat flaps on flanges bolted to body of instrument. C#, C key lever mechanism transfers motion at a right angle and involves a stacked design at the fulcrum point, C key above C#. Furthermore, the key flaps have a loose rivet arrangemennt allowing a slight swivel motion in any direction to ensure proper pad/key seat alignment. Rollers for C#, C. **Physical Description:** 4 sections. **Measurement:** 67.3 cm. **Case:** Original square mahogany case. **Condition:** Head joint upper ferrule seam open, causing cap threads not to unite. Head joint safety hook broken off, flange still intact. **Provenance:** André Rossignol, Paris, 13 Sept. 1926. Digital image available
0671	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** turn of 19c **Materials:** Ebony(?), ivory cap, cork-setting mechanism and ferrules, silver keys. **Keys Holes System:** 4 keys, square flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 62.3 cm. **Notes:** Maker not known, the unicorn head stamp would imply English manufacture and the keywork could fit that assumption. However, the turnings are somewhat more typical of Germanic flutes of the period. The figure 2 on upper body joint indicated that this flute had perhaps at least 3 corps de rechange. **Provenance:** W. C. McQuillen, Los Angeles, 15 Sept. 1926. Digital image available

Unit Id	*Contents*
0672	**Instrument Type:** Piccolo in D-flat **Maker Name:** A. Osmanek **Maker Place:** Schönbach **Maker Date:** ca. 1850-p1895 **Materials:** Boxwood, brass keys and ferrules, nickel silver hinge tubes. **Keys Holes System:** 6 keys, modern style key cups, post and rod. **Physical Description:** 2 sections, metal-lined head with tuning slide. **Measurement:** 29.1 cm. **Condition:** Cap missing, head joint barrel cracked. **Provenance:** W. C. McQuillen, Los Angeles, 15 Sept. 1926. Digital image available
0673	**Instrument Type:** Flute in C **Maker Name:** Leopold Mitsching **Maker Place:** Elberfeld **Maker Date:** 1894-p1934 **Materials:** Grenadilla, ivory head, nickel silver cap, keys, ferrules, metal-lined head. **Keys Holes System:** 13 keys, including left thumb G#, round. Foot to B. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 72.25 cm. **Condition:** Head joint, upper section, cracked and filled. **Provenance:** William Powell, Birmingham, England, 15 Sept. 1926. Digital image available
0674	**Instrument Type:** Horizontal Whistle Flute **Maker Name:** Anonymous **Maker Place:** Calcutta(?), India **Materials:** Bamboo. **Keys Holes System:** 0/6 holes. **Physical Description:** DCM ledger: "Side-blown Whistle Flute. Bamboo cylindrical. Whistle mouthpiece with a side tube for blowing." **Measurement:** 38 cm. **Notes:** DCM ledger: "Native flute from Calcutta." Quoting letter from Lovejoy, 21 March 1925: "The vendor called it a 'Muralli piccolo.' Even he could give me no particulars as to its origin. 'Muralli' is an Indian name for a flute." **Condition:** Between the blow pipe and fipple, there is a recessed, unfinished section in which something was either inlaid or wrapped. It currently has a loose wrapping of brass wire which seems not necessary or pertinent. **Provenance:** J. S. Lovejoy (formerly of Calcutta), Letchworth, Hertfordshire, England, 23 Sept. 1926. Digital image available

Unit Id	*Contents*
0675	**Instrument Type:** Hichiriki (Double Reed Pipe) **Maker Name:** Anonymous **Materials:** Bamboo, stained brown, lacquered red inside. Decoratively bound with brown lacquered string. **Keys Holes System:** 2/7 holes. Elliptical fingerholes. **Physical Description:** 1 piece. **Measurement:** 20.85 cm. **Condition:** Cracked through principal rank toneholes, including all wrapping in between. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 24 Sept. 1926. Digital image available
0676	**Instrument Type:** Flute in E-flat (High Pitch) **Maker Name:** Starck, Barnes & Sons **Maker Place:** London **Maker Date:** 1917-1925 **Materials:** Grenadilla, nickel silver ferrules and keys. **Keys Holes System:** 5 keys, round, post and rod. Nicholson-like holes. **Physical Description:** 3 pieces. **Measurement:** 49.95 cm. **Condition:** Cap cracked, repaired. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 24 Sept. 1926. Digital image available
0677	**Instrument Type:** Piccolo in C **Maker Name:** Auguste Buffet, jeune **Maker Place:** Paris **Maker Date:** 1830-p1885 **Materials:** Brass, cocus and metal cork-setting mechanism and end cap. Ivory/celluloid(?) embouchure barrel with cocus. **Keys Holes System:** 5 keys, conical, including upper C, modern style key cups, post and rod, on rib-like flanges. The principal rank fingerholes are slightly elevated. **Physical Description:** 2 sections. **Measurement:** 32.1 cm. **Notes:** According to DCM ledger, this instrument was gilded at some point or at least appeared to be gilded when received by DCM. **Condition:** Embouchure barrel cracked in 2 places. C key spring missing. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 24 Sept. 1926. Digital image available

Unit Id	*Contents*
0678	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** 1921 **Materials:** Cocus, thinned, silver inlay at wood cap, keys. Head joint lined with gold tube. **Keys Holes System:** Boehm system, open G#. DCM ledger: "Has reverse action to D# [Miller reports having altered this feature to normal design in 1927]…. One of my super fine specimens, except for key 'freaks'. [Original key] scheme of original owner, Mr. Daintith." **Physical Description:** 2 pieces, body and foot are one piece. **Measurement:** 67.6 cm. **Notes:** Head joint thin wall with integral embouchure plate, lined with gold tube terminating in head joint tenon/tuning pipe. **Condition:** Head joint cracked full length. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 24 Sept. 1926. Digital image available
0679	**Instrument Type:** Contra Bass Flute in C **Maker Name:** Gino Bartoli **Maker Place:** Milan **Maker Date:** ca. 1925 **Materials:** Silver plate over brass. **Keys Holes System:** Boehm system, closed G#, roller C. Lowest pitch is C. **Physical Description:** 3 sections, head joint consists of straight portion and U-bend. **Measurement:** 92.4 cm. **Condition:** Trill key mount and post broken off on highest rib. Dents in bow. **Provenance:** Gino Bartoli, through Louis Rossi, Milan, 3 Oct. 1926. Digital image available
0680	**Instrument Type:** Piccolo in C **Maker Name:** Carl Bonnet **Maker Place:** New York **Maker Date:** ca. 1891-1918 **Materials:** Cocus, nickel silver. Head joint partially metal-lined. **Keys Holes System:** Boehm system, conical, closed G#. Modern keywork, post and rod, direct mount, ring keys for right hand. **Physical Description:** 2 sections. **Measurement:** 30.5 cm. **Condition:** Crack at head joint socket. **Provenance:** Baxter-Northup Co., Los Angeles, 3 Nov. 1926. Digital image available

Unit Id	*Contents*
0681	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian **Materials:** Bone. **Physical Description:** Bird bone with fipple roughly equidistant from ends. Ends decorated with incised black-filled lines. **Measurement:** 7.7 mm. **Notes:** DCM ledger: "California, Sacramento County." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 16 Nov. 1926. Digital image available
0682	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian **Materials:** Bone. **Physical Description:** Short section of bone with recessed lateral hole nearly equidistant from both ends, decorated with simple crude carving. **Measurement:** 6.8 mm. **Notes:** DCM ledger: "California, Sacramento County." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 18 Nov. 1926. Digital image available
0683	**Instrument Type:** Whistle Flute **Maker Name:** Anonymous, North American Indian **Materials:** Bone. **Keys Holes System:** Appears to have a fipple aperture and 2 fingerholes. **Physical Description:** Decorated with incised lines. **Measurement:** 11 mm. **Notes:** DCM ledger: "California, Sacramento County." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 18 Nov. 1926. Digital image available
0684	**Instrument Type:** Czakan (Walking Stick Flageolet) **Maker Name:** Johann Baptist Merklein **Maker Place:** Vienna **Maker Date:** 1799-1852 **Materials:** Boxwood, brass keys, ivory ferrules, brass ferrule at tip. Animal horn hole bushings. **Keys Holes System:** 1/7 holes, 4 keys (D#, long F, G#, B-flat RH 1st finger). Round flat flaps. Three vent holes, 2 are bushed with animal horn in body joint, as is thumbhole. **Physical Description:** 3 sections, head joint, body, and long staff joint terminating in tapered brass ferrule with steel bottom tack/pin. **Measurement:** 84.3 cm. **Notes:** Keys are recessed into body except for G# which has a raised wooden block glued and morticed into position and possibly original in that form. **Condition:** Pommel cracked and currently affixed (glued) to head joint. Body joint tenon missing chip of wood. **Provenance:** Allen Loomis, Elkhart, Indiana, 18 Nov. 1926. Digital image available

Unit Id	*Contents*
0685	**Instrument Type:** Flute in C **Maker Name:** Clinton & Co. **Maker Place:** London **Maker Date:** ca. 1855-1871 **Materials:** Ebonite, silver keys, metal-lined head. **Keys Holes System:** Conical bore, old system flute of John Clinton's patented model Equisonant System (see DCM 109 and 379). In addition, this flute includes Clinton's 1863 patent lever for RH 1st finger F-natural. It also has covered key plates throughout, with no finger rings. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 65.4 cm. **Provenance:** J. Clayton Boyes, Bushey, England, 29 Nov. 1926. Digital image available
0686	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian **Materials:** Bone. **Keys Holes System:** Bone open at each end with an elliptical side hole set into a recessed area. **Measurement:** 20.25 cm. **Notes:** DCM ledger: "California, Sacramento County." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 10 Dec. 1926. Digital image available
0687	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Arapaho) **Materials:** Cedar, stained brown, wood cap, feathers, lead flue plate. **Keys Holes System:** 0/6 holes plus 4 chiselled flat sections each containing 2 vent holes. **Physical Description:** Tube is made of 2 gouged halves, glued together, including an integral mouthpiece. Flue cover is a carved wood, unidentified animal. **Measurement:** 68.9 cm. **Notes:** DCM ledger: "Arapahoe Indian." The final 8.5 centimeters of the tube is finished rectangularly. Two of the 4 feathers are attached through 2 adjacent vent holes. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 10 Dec. 1926. Digital image available
0688	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Chippewa) **Materials:** Unidentified bone. **Physical Description:** Bone, naturally hollowed out, with lateral hole cut nearly equidistant from either end. The hole forms a fipple labium and its duct is effected with a blob of resin or tar at its upper edge. **Measurement:** 19.6 cm. **Notes:** DCM ledger: "Chippewa Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 10 Dec. 1926. Digital image available

Unit Id	*Contents*
0689a	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Spain **Materials:** Bamboo, stained reddish purple, except for a full-length area on the top where the bark has been stripped away. **Keys Holes System:** 0/4 holes plus 1 rectangular hole at the bottom, likely a vent hole. **Measurement:** 22.9 cm. **Notes:** DCM ledger: "Spain." The labium, fingerholes, and vent holes are drilled through the top where the bark has been stripped away. **Condition:** Several full-length cracks, with 2 areas missing one between holes 1 and 2, and the other above the labium. The block is also missing. **Provenance:** Carleton Sprague Smith, New York, 18 Dec. 1926. Digital image available
0689b	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Spain **Materials:** Bamboo, stained reddish purple, see DCM 689a. **Keys Holes System:** 0/4 holes plus 1 rectangular hole at the bottom, likely a vent hole. **Measurement:** 21.3 cm. **Notes:** DCM ledger: "Spain." **Provenance:** Carleton Sprague Smith, New York, 18 Dec. 1926. Digital image available
0689c	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Spain **Materials:** Bamboo, stained reddish purple, see DCM 689a. **Keys Holes System:** 0/4 holes plus 1 rectangular hole at the bottom (likely a vent hole), plus 1 fifth hole at the bottom, round, but apparently altered and possibly originally rectangular. **Measurement:** 21.55 cm. **Notes:** DCM ledger: "Spain." **Provenance:** Carleton Sprague Smith, New York, 18 Dec. 1926. Digital image available
0690a	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Spain **Materials:** Bamboo, stained purple. **Keys Holes System:** 0/6 holes. **Physical Description:** Bamboo tube crudely fitted with recorder-like block, the edge created from a steep cut in the wall of the tube. The fipple and fingerholes are applied to a side of the instrument from which about 90 degrees worth of the bark has been cut away. Where the bark has been cut away, the surface is roughly flat. The rest of the instrument is stained purple. **Measurement:** 22.35 cm. **Notes:** DCM ledger: "Spain." **Provenance:** Carleton Sprague Smith, New York, 18 Dec. 1926. Digital image available

Unit Id	*Contents*
0690b	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Spain **Materials:** Bamboo, stained purple. **Keys Holes System:** 0/6 holes. **Physical Description:** See DCM 690a. **Measurement:** 21.8 cm. **Notes:** DCM ledger: "Spain." **Condition:** Cracks, and large portion of tube missing. **Provenance:** Carleton Sprague Smith, New York, 18 Dec. 1926. Digital image available
0690c	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Spain **Materials:** Bamboo, stained purple. **Keys Holes System:** 0/6 holes. **Physical Description:** See DCM 690a, except all fingerholes are roundish. **Measurement:** 21.4 cm. **Notes:** DCM ledger: "Spain." **Provenance:** Carleton Sprague Smith, New York, 18 Dec. 1926. Digital image available
0690d	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Spain **Materials:** Bamboo, stained purple. **Keys Holes System:** 0/6 holes. **Physical Description:** See DCM 690a. **Measurement:** 22.5 cm. **Notes:** DCM ledger: "Spain." **Condition:** Cracks. **Provenance:** Carleton Sprague Smith, New York, 18 Dec. 1926. Digital image available
0690e	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Spain **Materials:** Bamboo, stained purple. **Keys Holes System:** 0/6 holes **Physical Description:** See DCM 690a. **Measurement:** 21.8 cm. **Notes:** DCM ledger: "Spain." **Provenance:** Carleton Sprague Smith, New York, 18 Dec. 1926. Digital image available

Unit Id	*Contents*
0691a	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Spain **Materials:** Bamboo, with dark stain. **Keys Holes System:** 1/6 holes. **Physical Description:** Bamboo, crudely fitted with a recorder-like block. At roughly the bottom of the block the side wall is steeply cut to form the edge (labium), and from that point to the end 4 flattened areas have been cut by removing bark. See Notes. **Measurement:** 26.85 cm. **Notes:** DCM ledger: "Spain." Roughly rectangular tube in cross section. The portions containing bark form rounded corners and the flat sections are stained dark (puce). The front and back flattened areas contain the 6 fingerholes and 1 thumbhole respectively. **Provenance:** Carleton Sprague Smith, New York, 18 Dec. 1926. Digital image available
0691b	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Spain **Materials:** Bamboo, with dark stain. **Keys Holes System:** 1/6 holes. **Physical Description:** Bamboo, see DCM 691a. **Measurement:** 25.8 cm. **Notes:** DCM ledger: "Spain." **Provenance:** Carleton Sprague Smith, New York, 18 Dec. 1926. Digital image available
0692	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Spain **Materials:** Bamboo, with dark stain. **Keys Holes System:** 1/7 holes. **Physical Description:** Bamboo, shaved on 4 sides. **Measurement:** 33. 6 cm. **Notes:** DCM ledger: "Spain." **Condition:** Block has shrunk and the tube is cracked in 2 places. **Provenance:** Carleton Sprague Smith, New York, 18 Dec. 1926. Digital image available

Unit Id	*Contents*
0693	**Instrument Type:** Idioglottal Reed Pipe (Single Reed Pipe) **Maker Name:** Anonymous **Maker Place:** Spain **Materials:** Bamboo, with dark stain. **Keys Holes System:** 0/6 holes. **Physical Description:** Bamboo, with integral single reed carved in the top. **Measurement:** 25.5 cm. **Notes:** DCM ledger: "Spain." The upper 5.9 centimeters of the top is left round, the bark shaved away only where the reed is formed. From that point all the way to the bottom, the bark has been removed, the pipe is stained purple (now appearing more brown) to achieve a rounded corner, square exterior cross-section, and the 6 toneholes are also essentially square. **Provenance:** Carleton Sprague Smith, New York, 18 Dec. 1926. Digital image available
0694	**Instrument Type:** "Strap" Fife **Maker Name:** Ivan O. Hawk **Maker Place:** Cleveland, Ohio **Maker Date:** ca. 1921-1926 **Materials:** Brass tube, nickelled. **Keys Holes System:** Leather strap, in place of keys, when pressed by a finger, determines the length of the resonating tube. **Physical Description:** 1 piece, cylindrical. Hawk's patent (US Patent No. 1,395,107), approximately 70% of the tube is constructed with a flat side, containing a longitudinal slit (in place of fingerholes), covered with a leather strap. **Measurement:** 40.2 cm. **Provenance:** Ivan O. Hawk, Cleveland, Ohio, ca. 1926. Digital image available
0695	**Instrument Type:** "Strap" Fife **Maker Name:** Ivan O. Hawk **Maker Place:** Cleveland, Ohio **Maker Date:** ca. 1921-1926 **Materials:** Bakelite. **Keys Holes System:** See DCM 694. Leather strap, in place of keys, when pressed by a finger, determines the length of the resonating tube. **Physical Description:** 1 piece, cylindrical. See DCM 694. **Measurement:** 44.95 cm. **Provenance:** Ivan O. Hawk, Cleveland, Ohio, ca. 1926. Digital image available

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0696	**Instrument Type:** Flute in C **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** 1838-1847 **Materials:** Cocus, silver cap, wide silver ferrule around embouchure, silver keys, and silver-lined sockets. Internal head joint materials, brass and silver. **Keys Holes System:** 13 keys, pewter plugs for low C#, C, B, B-flat, with round metal plates under plugs. Foot to B-flat, rollers for C, B, B-flat. **Physical Description:** 4 sections, patented tuning slide. **Measurement:** 74.15 cm. **Notes:** Cap stamped: RUDALL & ROSE / PATENTEES (royal coat of arms, including crown, lion, and unicorn). Patented tuning slide which is advanced or retracted simultaneously with head joint tuning cork by rotating cap. English style head joint, contains tenon. **Condition:** Head joint, cracked and filled. **Provenance:** William Powell, Birmingham, England, 18 Jan. 1927. Digital image available
0697	**Instrument Type:** Flute in C **Maker Name:** Isaac Willis **Maker Place:** London **Maker Date:** 1824-1836 **Materials:** Boxwood, ivory cap, metal-lined head. Silver keys and ferrules. **Keys Holes System:** 8 keys, saltspoon, Nicholson holes except for pewter plugs over square metal plates for low C#, C. Pin in block, metal-lined. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.1 cm. **Notes:** Pre-cross pinned. Cap of unusual rounded design. **Condition:** Small chip missing from lowest key block. **Provenance:** William Powell, Birmingham, England, 25 Jan. 1927. Digital image available

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0698	**Instrument Type:** Double English Flageolet **Maker Name:** Eisenbrandt **Maker Place:** Baltimore **Maker Date:** ca. 1819-1850 **Materials:** Ebony, silver keys (marked with eagle or floral design), ivory ferrules, and little fingerhole bushings (one is missing). Bone mouthpiece. **Keys Holes System:** Right tube: 0/5 holes plus 4 keys, square flaps, pin in block. Left tube: 0/7 holes, hole 1 plugged for half-hole vent, with 3 keys on pipe and a 4th key (high C) on fipple stock, plus 2 cut-off keys for LH thumb and 1st finger. **Measurement:** 47.6 cm., 45.9 cm. without beak. **Notes:** All left pipe keys appear to be original; of the right pipe keys, only the 1st finger key is possibly original although abused on the finger spatula when a spring and rivet were replaced. The F key is obviously from a transverse flute, complete with patent roller, which on this instrument is useless due to the shifted position of the next lowest fingerhole. **Condition:** Original mouthpiece missing, 2 silver studs missing, and 3 keys missing as described above. See DCM 184, upper section of sponge chamber contains 6 angularly bored air conduits. **Provenance:** Valentine O. Gorman, New York, 14 Feb. 1927. Digital image available
0699	**Instrument Type:** Nay (End-Blown Flute) **Maker Name:** Anonymous **Maker Place:** Arabia(?) **Materials:** Cane. **Keys Holes System:** 0/9 holes. **Physical Description:** Incised line decoration, painted red. Upper edge bevelled. **Measurement:** 67.4 cm. **Notes:** DCM ledger: "Exotic Vertical Flute - Arabia. 'Gosbah.'" **Provenance:** Carleton Sprague Smith, New York, 2 Mar. 1927. Digital image available
0700a-c	**Instrument Type:** Nay (End-Blown Flute) **Maker Name:** Anonymous **Maker Place:** Arabia(?) **Materials:** Cane. **Keys Holes System:** 0/8 holes. **Physical Description:** Incised line decoration, painted red. Upper edge bevelled. **Measurement:** 61.9 cm., 61.25 cm., 52.65 cm. **Notes:** DCM ledger: "Vertical Flute - Arabia. 'Gosbah.'" **Condition:** 700c cracked at foot. **Provenance:** Carleton Sprague Smith, New York, 2 Mar. 1927. Digital image available

Unit Id	*Contents*
0701a-c	**Instrument Type:** Nay (End-Blown Flute) **Maker Name:** Anonymous **Maker Place:** Arabia(?) **Materials:** Cane. **Keys Holes System:** 0/7 holes. **Physical Description:** Incised line decoration, painted red. Upper edge bevelled. **Measurement:** 60.3 cm., 59.1 cm., 51.2 cm. **Notes:** DCM ledger: "Vertical Flute - Arabia. 'Gosbah.'" **Condition:** 701b cracked at ends. **Provenance:** Carleton Sprague Smith, New York, 2 Mar. 1927. Digital image available
0702	**Instrument Type:** Nay (End-Blown Flute) **Maker Name:** Anonymous **Maker Place:** Arabia(?) **Materials:** Cane. **Keys Holes System:** 0/6 holes. **Physical Description:** Incised line decoration, painted red. Upper edge bevelled. **Measurement:** 38.6 cm. **Notes:** DCM ledger: "Vertical Flute - Arabia. 'Gosbah.'" **Provenance:** Carleton Sprague Smith, New York, 2 Mar. 1927. Digital image available
0703	**Instrument Type:** Nay (End-Blown Flute) **Maker Name:** Anonymous **Maker Place:** Arabia(?) **Materials:** Cane. **Keys Holes System:** 0/9 holes. **Physical Description:** Incised line decoration, stained pink. Upper edge bevelled. **Measurement:** 63.8 cm. **Notes:** DCM ledger: "Vertical Flute - Arabia. 'Gosbah.'" **Provenance:** Carleton Sprague Smith, New York, 2 Mar. 1927.
0704a-b	**Instrument Type:** Nay (End-Blown Flute) **Maker Name:** Anonymous **Maker Place:** Arabia(?) **Materials:** Cane. **Keys Holes System:** 0/8 holes. **Physical Description:** Incised line decoration, stained pink. Upper edge bevelled. **Measurement:** 61.8 cm., 55 cm. **Notes:** DCM ledger: "Vertical Flute - Arabia. 'Gosbah.'" **Provenance:** Carleton Sprague Smith, New York, 2 Mar. 1927.

Unit Id	*Contents*
0705a-d	**Instrument Type:** Nay (End-Blown Flute) **Maker Name:** Anonymous **Maker Place:** Arabia(?) **Materials:** Cane. **Keys Holes System:** 0/6 holes. **Physical Description:** Incised line decoration, stained pink. Upper edge bevelled. **Measurement:** 47 cm., 42.8 cm., 33.2 cm., 32.3 cm. **Notes:** DCM ledger: "Vertical Flute - Arabia. 'Gosbah.'" **Provenance:** Carleton Sprague Smith, New York, 2 Mar. 1927.
0706	**Instrument Type:** Djaonak(?) (Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Arabia(?) **Materials:** Cane. **Keys Holes System:** 0/6 holes. **Physical Description:** Incised line decoration, stained pink. **Measurement:** 31.6 cm. **Notes:** DCM ledger: "Vertical Flute - Arabia. 'Gosbah.'" In addition to the block forming the fipple, the lower end also has a wooden plug which is bored out, reducing the bore to about half diameter, purpose unknown, but likely to flatten the lowest note or two. **Provenance:** Carleton Sprague Smith, New York, 2 Mar. 1927. Digital image available
0707	**Instrument Type:** End-Blown Flute **Maker Name:** Anonymous **Maker Place:** Arabia(?) **Materials:** Brass. **Keys Holes System:** 0/8 holes. **Measurement:** 39.3 cm. **Notes:** DCM ledger: "Vertical Flute - Arabia. 'Gosbah.'" **Provenance:** Carleton Sprague Smith, New York, 2 Mar. 1927. Digital image available
0708	**Instrument Type:** End-Blown Flute **Maker Name:** Anonymous **Maker Place:** Arabia(?) **Materials:** Iron. **Keys Holes System:** 2/7 holes. **Measurement:** 29.55 cm. **Notes:** DCM ledger: "Vertical Flute - Arabia. 'Gosbah.'" **Provenance:** Carleton Sprague Smith, New York, 2 Mar. 1927. Digital image available

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0709	**Instrument Type:** Pibcorn (Reed-Blown Pipe) **Maker Name:** Anonymous **Maker Place:** Arabia(?) **Materials:** Bamboo, with animal horn bell. **Keys Holes System:** 1/6 holes. **Measurement:** 17.2 cm. (pipe), 8.8 cm (bell). **Notes:** DCM ledger: "Exotic Pipe - Arabia." **Condition:** Pipe and bell not attached, reed missing. **Provenance:** Carleton Sprague Smith, New York, 2 Mar. 1927. Digital image available
0710	**Instrument Type:** Flute in C **Maker Name:** Clinton & Co. **Maker Place:** London **Maker Date:** 1856-1871 **Materials:** Cocus, silver-plated keys, ferrules, metal-lined head. **Keys Holes System:** Clinton's Equisonant System, conical bore. Like DCM 379, except that right hand finger rings (fingers 5 and 6) are instead covered key plates. Modern post and rod. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 64.8 cm. **Condition:** Head joint, upper section, cracked. **Provenance:** J. Clayton Boyes, Bushey, England, 18 Mar. 1927. Digital image available
0711	**Instrument Type:** Flute in C **Maker Name:** Emil Rittershausen **Maker Place:** Berlin **Maker Date:** early 20c **Materials:** Cocus, nickel silver keys, ferrules, metal-lined sockets. **Keys Holes System:** Conical bore, old system modified, with 18 keys; 12 keys with the principal 6 tonehole rank covered with key work. Modern post and rod on ribs. **Physical Description:** 3 sections. **Measurement:** 71.6 cm. **Condition:** Head joint cracked. **Provenance:** J. Rieder Pawn Shop, Philadelphia, 28 Apr. 1927. Digital image available
0712	**Instrument Type:** Kena (Notched Flute) **Maker Name:** Anonymous, South American Indian **Materials:** Bamboo. **Keys Holes System:** 1/6 holes. **Measurement:** 50.55 cm. **Provenance:** William Schade, New York, 25 May 1927. According to DCM ledger: "This flute was brought from South America by an Inca Indian who came to make records with the Victor Company, about 10 years ago (1917); he gave it to Mr. Schade." Digital image available

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0713	**Instrument Type:** Flute in C **Maker Name:** Bilton **Maker Place:** London **Maker Date:** 1826-1856 **Materials:** Boxwood, ivory cap, cork-setting mechanism and ferrules, silver keys. **Keys Holes System:** 6 keys, foot to C, square flat flaps, pin in block. **Physical Description:** 4 sections, tuning slide in metal-lined head joint. This instrument possibly had 3 corps de rechange. **Measurement:** 67.1 cm. **Condition:** Head joint barrel cracked, not including ferrule. F key spring broken off and missing. **Provenance:** William Powell, Birmingham, England, 2 June 1927. Digital image available
0714	**Instrument Type:** Flute in C **Maker Name:** F. Oskar Uebel **Maker Place:** Leipzig **Maker Date:** 1906-p1925 **Materials:** Grenadilla, silver-plated head, ebonite mouthpiece, silver keys and ferrules. **Keys Holes System:** Simple system, conical bore, similar to Schwedler reform systems and Fischer (see DCM 62, 821, 1026, 1584). Includes C# vent key, high D-E trill, automatic F# vent hole for RH 1st finger, high G-A trill, and automatic low D vent hole. **Physical Description:** 3 sections. **Measurement:** 71.8 cm. **Condition:** Head, cracked and filled. **Provenance:** Louis Rossi, New York, 2 June 1927. Digital image available
0715	**Instrument Type:** Flute in C **Maker Name:** Gino Bartoli **Maker Place:** Milan **Maker Date:** ca. 1925 **Materials:** Silver plated. **Keys Holes System:** Old system arranged in style of Boehm system, cylindrical, 14 keys. Boehm principals, i.e., fully vented, large toneholes, but old system including an available and effective forked F but also having the standard old system 3rd finger RH F key although it opens a curiously small, and less effective tonehole placed unusually high on the tube. Post and rod mounted on ribs. **Physical Description:** 3 sections. **Measurement:** 67.3 cm. **Case:** Original case. **Provenance:** Louis Rossi, New York, 2 June 1927. Digital image available

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0716	**Instrument Type:** Flute in C **Maker Name:** Firth Hall & Pond **Maker Place:** New York **Maker Date:** 1833-1847 **Materials:** Boxwood, ivory cap, cork-setting mechanism with tuning rings, and ferrules, silver-plated keys. **Keys Holes System:** 8 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.5 cm. **Condition:** Barrel cracked; short F broken off. Long F mount broken off, both sides, with old repair utilizing 4 iron pins. **Provenance:** Baxter-Northup Co., Los Angeles, 29 July 1927. Digital image available
0717	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Materials:** Clear glass, frosted inside, fluted exterior, mother-of-pearl cap, silver (nickel?) keys and ferrules. **Keys Holes System:** 6 or 8 keys, rollers C#, C. Modern style key cups, post and rod, on flanges bolted to body of instrument except D# key which is soldered to foot joint socket ferrule. **Physical Description:** 4 sections, with 2 foot joints (D and C). **Measurement:** 61.7 cm., 66.9 cm. **Notes:** Safety lock at head joint. DCM ledger: "Seems to be identical with Victoria and Albert specimen, dated 1815." **Condition:** Middle joint glass broken at 4th fingerhole, crudely repaired by filling the bore at that point with unidentified resin. Foot joint (D) has chips and aperture completely through. **Provenance:** N. Grosvenor Norris, Alton, Illinois, 30 July 1927. Formerly owned by H. M. Norris of Cincinnati, Ohio. Digital image available
0718	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Materials:** Ivory, animal horn cap, gold-plated keys, tortoise shell ferrules. **Keys Holes System:** Conical, 6 keys, square flat flaps, foot to C. Pin in block. **Physical Description:** 4 sections. The entire outer surface is elaborately carved in relief with Asian designs including people, buildings, botanical scenes. The head joint carving includes the initials "HJ" within oval cartouche. **Measurement:** 66.6 cm. **Notes:** This instrument has some interesting, apparently maker, mistakes. Opposite the embouchure hole, the inner wall has a slight hole, possibly an accident from the original pilot drill. The foot joint reveals problems in drilling the pin holes for all of the key blocks. The lower key block pin for the C# key is visibly not perpendicular. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Digital image available

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0719	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1809 **Materials:** Frosted clear glass. Cap, rose-cut (faceted) rock crystal with hemisphere of silver for backing. Silver keys and ferrules. **Keys Holes System:** 3 keys, including D#, G#, and B-flat. B-flat and G# keys are round flat flaps, post and rod, affixed to oval flanges bolted to body of instrument. The D# key has a race-track shaped key flap articulated with a pivot screw for proper alignment with key seat post and rod soldered to foot joint socket ferrule. DCM ledger: "Only 3-keyed flute in collection." **Physical Description:** 4 sections. **Measurement:** 62.9 cm. **Condition:** Missing safety hook from head joint socket ferrule. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Digital image available
0720	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Johann Heitz **Maker Place:** Berlin **Maker Date:** a1702-1737 **Materials:** Boxwood, mostly veneered with tortoise shell, ivory beak and ferrules. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections, standard 3-piece treble recorder. Adorned with more than the normal number of ferrules as follows: the middle joint has a simple tortoise shell veneer, full length, from shoulder to shoulder. See Notes. **Measurement:** 50.7 cm. **Notes:** Both the head and foot joints are made in 2 separate boxwood parts to allow for the installation of tortoise shell veneer in tapered tubing or ferrule sections plus extra mid-joint ivory ferrules. All of the necessary and decorative components are then glued together to form a completed joint. See the detail of the foot joint. The large ivory bottom ferrule may be original or the restoration work of DCM. The smaller tortoise shell and ivory ferrules are replacements made by Robert E. Sheldon and Rob Turner (Charlottesville, Virginia), respectively. **Condition:** Breakage and shrinkage of the head joint (boxwood core) plus ivory and tortoise shell losses, mostly affecting the body and foot joints. The foot veneer has a curious alteration or addition in the form of a tortoise shell patch or inlay (roughly oval, approx. 31 x 20 mm.), unlikely the work of the maker. The purpose is unknown and not mentioned by Miller. It was added either as a repair for major tortoise shell loss in that area, or perhaps to replace an owner's name plaque inlay of unknown material. Aside from whatever adhesive may have been used, the patch is secured with 4 wooden (boxwood?) dowels which are visible at the bore and have each been disguised on the exterior with an inlaid dot of tortoise shell. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Digital image available

Unit Id	*Contents*
0721	**Instrument Type:** English Patent Triple Flageolet (Composite) **Maker Name:** William Bainbridge **Maker Place:** London **Maker Date:** 1821-1831 **Materials:** Boxwood, brass keys, ivory ferrules, finger studs, mouthpiece, mouthpiece hub, and connecting support shaft. **Keys Holes System:** Left tube, 0/7 holes plus 3 keys and a 4th for high C on the fipple stock. Right tube, 0/5 holes plus 4 keys. Keys with square flaps, pin in block. See Notes. **Physical Description:** Composite. Instrument consists of a standard English patent double flageolet to which is attached a third or bass pipe connected at the top between the two fipple stocks via a boxwood tube, and at the bottom, by tying the 3 tubes together with gut/cord. **Measurement:** 61.2 cm. **Notes:** The gut, or other cord, passes through 2 holes drilled in each melody pipe and 2 others drilled through a knee-rest shaft which threads into the bottom of the bass pipe. Holes lettered and numbered. This instrument appears to have been altered by the original factory, possibly custom work for a customer, by replacing its original sponge chamber section(s) and substituting a standard triple flageolet air conduit section with its attached third or bass pipe. All of those added portions are of boxwood but wider grain and different finish than the original flageolet, and with ivory ferrules, cap, mouthpiece hub, and connecting support shaft, the 4-pitch-giving left thumb on the 3rd pipe are similar, but different from the double flageolet keys, and the maker's stamp is nearly the same, but slighty bolder and minus the coat-of-arms. The 3rd pipe also contains an elevated (block) left little finger tonehole plus a left thumb cut-off key. **Condition:** Mouthpiece missing, the windway cut-off key blade section is missing, plus a portion of the block which once housed it. Two finger studs replaced (DCM notes indicate he replaced all springs and 2 of 10 ivory finger studs). **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Digital image available
0722a	**Instrument Type:** Tabor Pipe **Maker Name:** Anonymous **Materials:** Unidentified hard wood, stained dark brown. **Keys Holes System:** 1/2 holes. **Measurement:** 8 cm. **Notes:** See DCM 722b. **Condition:** Cracks at both ends, bound with linen coated with varnish. The repair apparently included a metal ferrule forced into a groove and shoulder cut into the mouthpiece above labium, now missing. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. DCM ledger: "There is attached a tag on which is written in Mr. Taphouse's hand: This Pipe and Tabor, i.e., Wittle & Dub, belonged to Thomas Humphries of Haley, near Witney, [Oxfordshire], & was played by him at most of the Morris dances in the Villages & Towns in Oxfordshire for nearly 40 years. He died in 1886 aged 80 years." Digital image available

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0722b	**Instrument Type:** Tabor and Stick **Maker Name:** Anonymous **Materials:** Oak shell and rims, counterhoop wood unknown, rope (string tension). **Measurement:** Tabor diameter: 21.5 cm.; stick 25.25 cm. **Notes:** See DCM 722a. **Condition:** All components mildly warped, random worm holes. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available
0723	**Instrument Type:** Tabor Pipe **Maker Name:** Anonymous **Materials:** Boxwood(?). **Keys Holes System:** 1/2 holes. **Measurement:** 27.3 cm. **Notes:** DCM ledger: "There is an attached label…Morris Dancer's Pipe. Bought in Paris 1894." **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available
0724	**Instrument Type:** Bird Pipe (Flageolet) **Maker Name:** John Beckett **Maker Place:** London **Maker Date:** 1850-1873 **Materials:** Cocus or rosewood, mouthpiece apparently of bone (replacement). **Keys Holes System:** 1/7 holes(?), small upper "thumbhole has been plugged," according to DCM ledger. **Physical Description:** 4 pieces, body or fingerhole joint, fipple joint, sponge chamber, and mouthpiece. **Measurement:** 21.5 cm. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. DCM ledger: "There is attached a tag written in Mr. Taphouse's hand. 'Bird Flageolet by Beckett Wood & Ivy London circa 1800.'" Digital image available

Unit Id	*Contents*
0725	**Instrument Type:** Flute in C (Part only) **Maker Name:** Anonymous **Materials:** DCM ledger: "White China-ware." **Keys Holes System:** 4 keys (missing). **Physical Description:** Upper and lower body, foot only. Missing head joint. **Measurement:** 37.1 cm. **Notes:** It is not known if this unusually huge but conical bore instrument was actually meant to function. Its overall length and tonehole spacing would render it in a key above concert pitch and each keyed tonehole placement is too close to its adjacent pin block for efficient pad seating. The E-flat key in particular would be especially difficult regarding pad seating. This instrument may have been made as a decorative or novel device. The large bore and consequent larger outer diameter would make it quite difficult to reach the left thumb key. **Condition:** Upper body joint, upper tenon, broken off slightly. Missing parts, see above. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Digital image available
0726	**Instrument Type:** Walking Stick Flute in C **Maker Name:** Staudinger **Maker Place:** Dresden **Maker Date:** 19c **Materials:** Wood, stained black, brass key, brass, iron tip. Ivory bushings and ferrule, animal horn ferrules. **Keys Holes System:** 1 key, round flat flap. Pin in block. **Physical Description:** 4 sections. **Measurement:** 86.1 cm. **Notes:** Head joint upper ferrule and core hole bushings of ivory, lower ferrule originally ivory, now replaced with bone(?) ferrule. Middle joint terminates at lower end with animal horn ferrule containing a threaded socket which screws onto a threaded tenon housed in a large animal horn ferrule at the upper end of the 3rd section of instrument. The threaded tenon has a large lateral hole which lines up under fingerhole 3 when those 2 sections are threaded together. This may have been a convenience to break the instrument down into pieces for traveling. The instrument terminates with one large lateral vent hole or it can also be played by removing its lower 18 centimeter long lower section. That lower section terminates with a tapered brass (6 centimeter) tip, which terminates with a rounded iron tip. **Condition:** Head joint socket cracked and filled. Upper joint section, lower end, cracked and filled. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available

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0727	**Instrument Type:** Czakan (Walking Stick Flageolet) **Maker Name:** Anonymous, possibly Continental **Maker Date:** early 19c **Materials:** Boxwood, nickel silver keys, animal horn ferrule. Brass-lined blocks, outer brass ferrule. **Keys Holes System:** 1/7 holes plus 2 keys, round flat flap. Three vent holes positioned well beneath the lowest tonehole. Pin in brass-lined blocks (see Condition). **Physical Description:** 3 sections, head joint, body, and tapered staff. **Measurement:** 81.6 cm. **Notes:** Head joint socket has an animal horn ferrule and its pommel is a cross bar (hammer head) handle also containing 2 blowholes and a recessed (carved) embouchure rest. **Condition:** Body joint lower horn ferrule cracked, repaired by addition of block and pin with brass-lined blocks and outer brass ferrule. Crack, lower end of body joint. Bottom staff tapered (brass?) ferrule missing. Two nickel silver keys, especially the D# key, appear to have been cleaned with an acid solution in which they remained far too long to the extreme of severe pitting, and now a quite undersized A hole, likely manmade, near an upper vent hole, has been crudely filled with a wooden plug. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available
0728	**Instrument Type:** Pitch Slide **Maker Name:** Anonymous **Materials:** Mahogany. **Physical Description:** Rectangular. Slide scale has 2 inscribed lines, unspecified pitches. **Measurement:** 16.2 cm. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available
0729	**Instrument Type:** Pitch Pipe **Maker Name:** Anonymous **Maker Place:** Oxford(?), England **Maker Date:** ca. 1820 **Materials:** Mahogany. Slide scale with holly or satinwood inlay marked with note names C to C. **Physical Description:** Rectangular. **Measurement:** 42.1 cm. **Notes:** DCM ledger: "Written on side of plunger…in Mr. Taphouse's hand: 'From Black Bourton Church. Oxon circa 1820.'" **Condition:** Random worm holes, glued joints slightly open. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available

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0730	**Instrument Type:** Pitch Pipe **Maker Name:** Anonymous **Materials:** Mahogany. Pitch slide wood is unidentified, of softer wood. **Physical Description:** Rectangular. Pitch slide is marked with scribed lines and note names, partially illegible and in unconventional order. **Measurement:** 35.4 cm. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available
0731	**Instrument Type:** Pitch Pipe **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Mahogany. The slide scale, painted red, has an inlaid leather strip stamped from C down to [C?]. **Physical Description:** Rectangular. The elements are joined with hide glue and wooden pegs. **Measurement:** 40. 45 cm. **Condition:** Missing portion of lead strip, at least 4.3 centimeters of it is missing. All glued joints slightly open. Small crack in bottom plate. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available
0732	**Instrument Type:** Pitch Pipe **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Maple, stained brown. **Physical Description:** Decoratively turned with woodwork beadwork, the pitch slide is adequately turned but not quite the same quality as the outer tube, and it is inscribed and marked on 2 sides with note names from C to C. **Measurement:** 39.3 cm. **Notes:** Likely constructed by a proficient furniture turner. **Condition:** Labium edge damaged. Two cracks at bottom of tube, repaired with twisted wire ferrule. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Digital image available

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0733	**Instrument Type:** Vertical Whistle Demonstration Pipe **Maker Name:** [R. Koenig?] **Maker Place:** [Paris?] **Materials:** Rosewood body, boxwood fipple. **Physical Description:** DCM ledger: "Experimental Organ Pipe, or Flute Pipe…cylinder…[4 sections]." **Measurement:** 51.85 cm. **Notes:** DCM ledger: "[R. Koenig, Paris]?" [and] "Flute of Bernoulli" [and] "Used to demonstrate laws of nodes, overtones, etc., of open and stopped pipes by combining in various ways, the separate parts." **Condition:** Missing block. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available
0734	**Instrument Type:** Murali (Transverse Flute) **Maker Name:** Anonymous **Maker Place:** India **Materials:** Bamboo, painted red. **Keys Holes System:** 0/5 holes. **Physical Description:** Natural septum at end. **Measurement:** 27.6 cm. **Notes:** DCM ledger: "Native Fife from India." **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available
0735	**Instrument Type:** Gawaq (Transverse Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Biskra, Algeria **Materials:** Bamboo. **Keys Holes System:** 0/5 holes. **Physical Description:** Decorated with encircling lines applied before the fingerholes were made. **Measurement:** 29.9 cm. **Notes:** DCM ledger: "Biskra, Algeria." **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available

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0736	**Instrument Type:** End-Blown Flute **Maker Name:** Anonymous **Maker Place:** Madagascar **Materials:** Bamboo. Animal horn mouthpiece ferrule, middle ferrule, and small bell at lower end. **Keys Holes System:** 0/6 holes. **Physical Description:** Incised ink-filled line decoration. **Measurement:** 36.7 cm. **Notes:** DCM ledger: "Madagascar." **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available
0737	**Instrument Type:** End-Blown Flute **Maker Name:** Anonymous **Maker Place:** Nauplia, Greece **Keys Holes System:** 1/6 holes. **Physical Description:** Unidentified wood, turned and bored, terminating in a slight bell shape profile. **Measurement:** 36.4 cm. **Notes:** DCM ledger: "Nauplia, Greece." The upper end has some zig-zag carved decoration running parallel with the tube and appearing at the beginning as unfinished décor which may have surrounded the entire pipe if finished. **Condition:** Bell cracked. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available
0738	**Instrument Type:** Xiao (Vertical Whistle Flute) **Maker Name:** Anonymous, Chinese **Materials:** Bamboo. **Keys Holes System:** 1/6 holes plus 2 vent holes plus 2 tassel holes. **Measurement:** 42 cm. **Notes:** Not decorated. **Condition:** Crack from vent hole to fingerhole 2. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Digital image available

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0739	**Instrument Type:** Amma-No-Fuye (Double Whistle) **Maker Name:** Anonymous, Japanese **Materials:** Bamboo. **Physical Description:** Two pipes glued together. **Measurement:** 16.95 cm. **Notes:** DCM ledger: "Said to be used by barbers to call attention of their customers. Has written in Mr. Taphouse's hand, on side of one tube 'Yokohama Barber's Call.'" **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available
0740	**Instrument Type:** Vertical Flute **Maker Name:** Anonymous **Materials:** Bamboo. **Keys Holes System:** 1/4 holes. **Physical Description:** Bamboo, with 5 holes crudely burned in, also crudely decorated with incised line at each fingerhole. **Measurement:** 64.95 cm. **Notes:** Brownsea Castle Sale, Bournemouth, England, 21 June 1927, no. 1896[c], described as a "Nay. A vertical flute found in Egypt and of great antiquity." According to Betty Austin Hensley, probably from the South Sea Islands. **Condition:** Four cracks at end. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Digital image available
0741	**Instrument Type:** Clarinet in E-flat **Maker Name:** Wood & Ivy **Maker Place:** London **Maker Date:** 1837-1847 **Materials:** Boxwood, brass keys, ivory ferrules, grenadilla mouthpiece (not original, see Notes). **Keys Holes System:** 8 keys, round flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 48.1 cm. **Notes:** Mouthpiece not original, but possibly with instrument when purchased by DCM. Modern French mouthpiece, from a larger or lower clarinet (possibly C) which has been reshaped to have the long tenon typical of English clarinets of this period. **Condition:** Chips at lower socket of upper section. F#/C# key spring broken and missing. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available

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0742	**Instrument Type:** Musette **Maker Name:** Anonymous **Materials:** Cocus. **Keys Holes System:** 1/7 holes plus 2 vent holes. **Physical Description:** 2 sections. **Measurement:** 35.9 cm. **Notes:** Scanned with DCM 31. **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Digital image available
0743	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Materials:** Bamboo, stained and lacquered brown, with red, white, and green painted incised characters, bone end pieces. **Keys Holes System:** 0/6 holes plus membrane hole plus 2 tassel holes plus 2 vent holes. **Measurement:** 59.65 cm. **Condition:** Cracked from fingerhole 4 to upper vent hole **Provenance:** C. Van Raalte Collection, Brownsea Castle Sale, 21 June 1927, Bournemouth, England, obtained by Harold Reeves, London, on behalf of DCM, received 6 Aug. 1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available
0744	**Instrument Type:** Flute in C **Maker Name:** Johann August Crone **Maker Place:** Leipzig **Maker Date:** 1766/68-p1829 (See Notes.) **Materials:** Ivory. See Notes. **Keys Holes System:** 10 keys, originally 1 key. Saltspoon, post and rod, foot to C, rollers on C#, C. **Physical Description:** 4 sections. **Measurement:** 65.4 cm. **Notes:** Instrument was originally a second-half 18th century one-keyed flute with a foot joint having a D# key. At some point in the 19th century, a new foot joint and 9 nickel silver keys were added to it including a nickel silver ferrule to address the head joint socket crack. Right 1st finger alternate B-flat lever missing and reconstructed by DCM, 1925. Embouchure has a wide silver bushing, not original. Embouchure hole size not original. The ivory cap and ivory ferrule just beneath it are also not original. **Condition:** Slight cracks in head joint, and slight crack at head joint socket. Upper tenon upper joint a replacement. **Provenance:** Howard E. Wurlitzer, Cincinnati, Ohio, 12 Aug. 1927. DCM ledger: "Mr. Wurlitzer says he purchased the flute from a Russian refugee, in Berlin, in 1919 [see flute case]; it was represented as having once belonged to one of the Grand Dukes of Russia." Digital image available

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0745	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Anonymous **Maker Date:** 18c **Materials:** Ivory. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 49.25 cm. **Condition:** Head joint cracked at both ends and repaired with 7 cross pins (former repair). Also the edge was apparently damaged, and a new ivory slip was carved to replace it and secured with a now missing dowel (material?) and also incorrectly positioned to form a proper edge. Foot joint decorative beads, top and bottom, missing portions, one of which is cracked off but still present, plus 2 cracks in socket. **Provenance:** Harold Reeves, London, 25 Aug.1927. Formerly in the collection of Mr. T. W. Taphouse, Oxford. Digital image available
0746	**Instrument Type:** English Double Flageolet **Maker Name:** John Simpson **Maker Place:** London **Maker Date:** ca. 1830-1869 **Materials:** Cocus tubes, boxwood fipple stock and sponge chamber (upper section, see Notes). Ivory ferrules and finger studs, silver keys, bone mouthpiece. **Keys Holes System:** Left: 0/7 holes (hole 1 plugged for half-hole vent, hole 7 with open-standing key) plus 7 keys, including that cited for hole 7 plus high C on the fipple stock, an apparent addition plus right tube cut-off key for the left thumb. Right: originally had a pair of interchangeable foot joints, the longer is extant, with 0/4 holes (with 3 keys plus 2 more for the right thumb on extended foot joint). Square flaps, pin in block except for high C key LH 1st finger which is metal post and rod on rectangular flange screwed to the stock with the key seat area cut away indicating this was an addition, probably during the working/playing period of the instrument. **Measurement:** 55.5 cm. **Notes:** This instrument may have had a shorter right tube foot joint including the standard lowest fingerhole (RH little finger) plus the chromatic key for D#. The upper section, usually incorporating a sponge chamber, appears to be a replacement, although it may be from the period of the instrument. It incorporates little or no provision (space) for sponge insertion. Also, it is unusually heavy and has ivory rings of a different material and style from those on the pipes. The mouthpiece is of bone and may be from another instrument. **Condition:** Upper section lower ivory ferrule cracked. See Notes. **Provenance:** Harold Reeves, London, 25 Aug. 1927. Digital image available

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0747	**Instrument Type:** Piccolo in C **Maker Name:** Anonymous, probably German **Materials:** Cocus, ivory upper head joint section with metal tuning slide, nickel silver keys, ferrules, end cap with cork-setting mechanism. **Keys Holes System:** 8 keys, to low C, round flaps, post and rod. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 34.1 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** William Powell, Birmingham, England, 7 Sept. 1927. Digital image available
0748	**Instrument Type:** Flute in C **Maker Name:** Clementi & Co. **Maker Place:** London **Maker Date:** 1802-1831 **Materials:** Cocus. Cap of cocus with silver ferrule. Head joint cork-setting mechanism is ivory. Silver ferrules over ivory. **Keys Holes System:** 8 keys, originally 7-keyed, to which an 8th key (long F) has been added, utilizing a metal saddle morticed into the lower body joint. Judging from its tonehole seat, which is very similar to all of the others, this may have been done as custom work at the factory. Saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.05 cm. **Notes:** Head joint decorated with closely spaced turned grooves similar to Scottish pipe decoration. Although stamped "Nicholson's Improved," it does not have the large toneholes or embouchure associated with such instruments. **Condition:** Head joint, both sections, cracked. Lower body, cracked. Missing long F key. **Provenance:** William Powell, Birmingham, England, 7 Sept. 1927. Digital image available
0749	**Instrument Type:** Whistle **Maker Name:** Anonymous, Central American Indian **Materials:** Brown pottery. **Keys Holes System:** Whistle plus 1 fingerhole. **Physical Description:** Bird-like figure. **Measurement:** 4.3 cm. **Notes:** DCM ledger: "American Indian / Central American." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 16 Sept. 1927. Digital image available

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0750	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian **Materials:** Bone. **Keys Holes System:** 0 holes. **Physical Description:** Decorated with crudely carved, black-filled lines. Fipple hole formed about 1/3 length from top. **Measurement:** 11.85 cm. **Notes:** DCM ledger: "American Indian from California." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 23 Sept. 1927. Digital image available
0751	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Winnebago) **Materials:** Redwood(?), lead flue plate, separate wood mouthpipe. **Keys Holes System:** 0/6 holes plus 4 double vent holes. **Physical Description:** Tube gouged out of 2 halves from a split branch, flue cover carved in form of bird. The tube has 3 deeply cut channels, possibly decorative, or may have had rawhide thongs for tube stability, now missing. **Measurement:** 61.6 cm. **Notes:** DCM ledger: "Winnebago." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 23 Sept. 1927. Digital image available
0752	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sac and Fox) **Materials:** Body is from a steel pipe or tube, possibly a gun barrel, although it is slightly thin gauge metal for such purpose. Wood flue cover, lead flue plate. **Keys Holes System:** 0/6 holes plus 4 vent holes. **Physical Description:** Wooden flue cover carved in the form of a horse's head. **Measurement:** 59.5 cm. **Notes:** DCM ledger: "Sac and Fox." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 23 Sept. 1927. Digital image available
0753	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian **Materials:** Bone. **Keys Holes System:** 0/2 holes. **Measurement:** 18.8 cm. **Notes:** DCM ledger: "California, Sacramento County." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 30 Sept. 1927. Digital image available

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0754	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous, North American Indian **Materials:** Bone. **Keys Holes System:** 0/3 holes. **Measurement:** 20.5 cm. **Notes:** DCM ledger: "California, Sacramento County." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 30 Sept. 1927. Digital image available
0755	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous, North American Indian (Pawnee) **Materials:** Unidentified bone (DCM ledger: "Turkey or eagle"), with loop of skin with brown fur attached, likely meant to be a neck strap. **Keys Holes System:** 0/12 holes. According to Betty Austin Hensley, the fingerholes may be only decorative [in that they cannot be operated]. **Measurement:** 19.4 cm. **Notes:** DCM ledger: "Pawnee." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 14 Oct. 1927. Digital image available
0756	**Instrument Type:** English Double Flageolet **Maker Name:** John Simpson **Maker Place:** London **Maker Date:** ca. 1830-1869 **Materials:** Boxwood, ivory mouthpiece beak, ferrules and finger studs, nickel silver keys. **Keys Holes System:** Left: 0/7 holes; Right: 1/4 holes plus vent hole; 10 keys total, 4 keys on each pipe plus 1 cut-off key for each windway. Keys, flat flaps, except left pipe low C, round flap. Pin in block. **Physical Description:** Sponge chamber in 2 parts. **Measurement:** 47.8 cm. **Condition:** New ivory ferrule on bottom of left tube. Mouthpiece (ivory) cracked, sponge chamber upper ferrule cracked, left pipe ivory ferrule a replacement, and undersized. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 17 Oct. 1927. Digital image available
0757	**Instrument Type:** Flute in C, Left-Handed **Maker Name:** Anonymous, possibly American **Maker Date:** mid 19c **Materials:** Cocus (rosewood?), ivory head joint, silver-plated keys, ferrules, and cap, metal-lined head. **Keys Holes System:** 8 keys, pin in block with modern key cup design, except low C#, C, which are metal plugs with rectangular tonehole plates. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.3 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** Polly Scully, Lowell, Massachusetts, 17 Oct. 1927. Digital image available

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0758	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Soft wood, pine or spruce. Beaded decoration, brass mouthpipe, lead flue plate, cover carved of the same wood. 2 leather thongs, feathers, bird beak. **Keys Holes System:** 0/5 holes. **Physical Description:** Tube gouged from 2 halves of a split branch, glued together. The tube is painted yellow and decorated at the lower end with a leather sleeve having very fine beaded decoration. Flue cover carved with a low relief turtle figure, painted red, with red eyes. **Measurement:** 66.1 cm. **Notes:** DCM ledger: "Sioux." Unusually long flue cover secured with 2 leather thongs, the upper of which also supports through the nostrils, an eagle or hawk beak, painted red, as well as a group of feathers dyed red. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 10 Dec. 1927. Digital image available
0759	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Soft wood, pine or spruce. Animal eyes are brass upholstery tacks, mouth contains maroon feathers. **Keys Holes System:** 0/6 holes plus 4 long vent apertures roughly equidistant between the animal head and fingerhole rank. **Physical Description:** Tube gouged from 2 halves of a split branch, stained clay red, with high relief carvings, including 3 decorative ferrules and terminating in a water fowl head. All relief carvings, including flue cover, are painted green with yellow. **Measurement:** 85.7 cm. **Notes:** DCM ledger: "Sioux." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 16 Dec. 1927. Digital image available
0760	**Instrument Type:** Flute in A-flat (Low Pitch) **Maker Name:** C. G. Conn **Maker Place:** Elkhart, Indiana **Maker Date:** ca. 1925 **Materials:** Bakelite, nickel silver cap, keys, and ferrules. **Keys Holes System:** 2 keys (D# and long F), round flaps, modern post and rod. **Physical Description:** 2 sections. **Measurement:** 40.2 cm. **Notes:** DCM ledger: "This is the first flute ever made (sent out) of molded Bakelite," according to a letter from previous owner, Allen Loomis, 22 Dec. 1927, to DCM. **Provenance:** Allen Loomis, Elkhart, Indiana, 23 Dec. 1927. Digital image available

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0761	**Instrument Type:** Flute in F **Maker Name:** Johann Carl Daniel Heyl **Maker Place:** Frankfurt am Main **Maker Date:** 1830-1866 **Materials:** Boxwood, ivory cap, cork-setting mechanism and ferrules, nickel silver keys. **Keys Holes System:** 7 keys (7th key for D/E trill), round flaps, pin in wood-lined blocks. **Physical Description:** 4 sections, tuning slide in head, partially lined. **Measurement:** 49.8 cm. **Condition:** Head joint barrel and ferrule cracked. Head joint upper section is a poorly chosen piece of wood, which has suffered a parallel grain crack plus 9 cross grain cracks. Lower body joint socket ferrule cracked, and foot joint socket ferrule cracked. Foot joint socket cracked. **Provenance:** L. Chester Smith, San Francisco, 2 Jan. 1928. Digital image available
0762	**Instrument Type:** Whistle **Maker Name:** Anonymous, Central American Indian **Materials:** Mineral, possibly volcanic substance. **Keys Holes System:** 0/1 hole. See Physical Description. **Physical Description:** Hollow, open at one end, plus a later hole about equidistant from each end. **Measurement:** 12.5 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 11 Jan. 1928. Digital image available
0763	**Instrument Type:** Piccolo/Fife in C(?) **Maker Name:** Anonymous, Japanese(?) **Materials:** Copper alloy with bright nickel plate. **Keys Holes System:** 2/8 holes (including double hole for finger 2). Fingering scheme similar to Giorgi model requiring fingertips to cover an open hole. DCM ledger: "Skilfully designed for European scale. Perhaps of European origin." **Physical Description:** Cylindrical. **Measurement:** 32 cm. **Notes:** DCM ledger: "from Japan?" See "Fife vs. Band Flute." **Provenance:** Isamu Hirabayashi, Tokyo, Japan, 17 Jan. 1928. Digital image available
0764	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous, Japanese **Materials:** Bamboo, stained brown on outside, red on inside. **Keys Holes System:** 0/5 holes. **Physical Description:** Hole 5 is drilled relatively far down from the other 4, appearing as if possibly a vent hole. **Measurement:** 28.9 cm. **Notes:** DCM ledger: "Japanese. Toy Whistle Flute." **Provenance:** Isamu Hirabayashi, Tokyo, Japan, 17 Jan. 1928. Digital image available

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0765	**Instrument Type:** Whistle (Duct Flute) **Maker Name:** Anonymous, North American Indian **Materials:** Clay. **Physical Description:** Fish shape. **Measurement:** 7.8 cm. **Notes:** DCM ledger: "American Indian." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 25 Jan. 1928. Digital image available
0766	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** mid 19c **Materials:** Rosewood(?), nickel silver key and ferrules. **Keys Holes System:** 1 key, saltspoon. Blind pin. **Physical Description:** 4 sections. **Measurement:** 60.05 cm. **Condition:** Missing foot joint ferrule. **Provenance:** W. C. McQuillen, Los Angeles, 4 Feb. 1928. Digital image available
0767	**Instrument Type:** Flute in C **Maker Name:** Tuerlinckx; Heinrich Grenser **Maker Place:** Malines; Dresden **Maker Date:** 1782-ca. 1840; 1796-1817 **Materials:** Ebony, ivory cap, cork-setting mechanism and ferrules, silver keys. **Keys Holes System:** 4 keys, square flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 62.4 cm. **Notes:** Lower body and foot joint by H. Grenser, head joint and possibly upper body joint by Tuerlinckx. **Provenance:** W. C. McQuillen, Los Angeles, 4 Feb. 1928. Digital image available
0768	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** ca. 1886 **Materials:** Ebonite, silver-plated keys, metal sockets and upper body tenon. **Keys Holes System:** Rockstro's model, cylindrical, open G#, Rockstro F#. **Physical Description:** 3 sections. **Measurement:** 67.3 cm. **Provenance:** William H. Guyon, Butte, Montana, 7 Feb. 1928. According to DCM ledger: "It was made by a man named Johnstone--not Collins, and was sold on November 2, 1886 to a gentleman in London [letter from Rudall, Carte & Co., to DCM, 20 Feb. 1928]…. Bought by Wm. H. Guyon, at pawn shop on Kearney St. San Francisco, in Fall 1920." Digital image available

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0769	**Instrument Type:** Piccolo in D-flat **Maker Name:** Euler **Maker Place:** Frankfurt am Main **Maker Date:** 1810-1873 **Materials:** Cocus, with ivory head joint upper section, nickel silver keys, ferrules, and metal-lined head joint with tuning slide. **Keys Holes System:** 6 keys, round flat flaps, pin in block. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 29.6 cm. **Notes:** The ivory head joint cylinder terminates at each end with a wide (17 mm.) nickel silver sheet metal ferrule, possibly original or added to repair crack. **Condition:** Head joint, both sections, cracked. **Provenance:** William R. Gibbs, Boston, 3 Mar. 1928. Digital image available
0770	**Instrument Type:** Piccolo in D-flat **Maker Name:** Anonymous **Materials:** Cocus, ivory head joint, nickel silver keys. **Keys Holes System:** 6 keys, post and rod, direct mount. **Physical Description:** 2 sections. **Measurement:** 29. 25 cm. **Provenance:** Edouard Lippé, Philadelphia, 10 Mar. 1928. Digital image available
0771	**Instrument Type:** Flute in C **Maker Name:** Theobald Boehm **Maker Place:** Munich **Maker Date:** ca. 1854-1861 **Materials:** Cocus, nickel silver ribs, silver-plated keys and posts. **Keys Holes System:** Boehm system, Dorus G#. **Measurement:** 66.2 cm. **Notes:** Both sockets have a decorative wide sheet metal ferrule, plus a secondary beaded ferrule which is applied with a threaded screw adjustment (tightening) mechansim to compensate for wood shrinkage. **Condition:** Small crack in foot joint socket. Low C# key finger spatula appears to have been intentionally shortened, or if broken off, arbitrarily filed to a straight edge finish. **Provenance:** Percy W. Treat, Concord, California, 13 Mar. 1928. In letter from Treat to DCM, 18 Jan. 1928, he says: "I bought this flute from a music teacher in Los Angeles in the year 1881; and I do not know how long he had it." In a later letter of 6 April 1935, Treat attempts to answer DCM more fully as to the flute's origin: "I doubt if I can tell you anything definite about the teacher from whom I obtained the Th. Boehm flute. It could not have been Mr. McQuillen, because my teacher then (1881) was all of 55 to 60 years old…. I was 15 years old…. [He describes his sister's home and street location in Los Angeles and the route he took to his flute lessons by bicycle.] I can not remember where my flute teacher lived. [and in a P. S.] The only detail I can add to the description of my flute teacher already given you, is that the white beard was side whiskers, medium long, the chin alone being shaved." Digital image available

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0772	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1816 **Materials:** Clear glass, fluted decoration exterior, frosted inside, blue glass cap, silver keys, flanges, and ferrules. **Keys Holes System:** 5 keys, round flat flaps including on D# an articulated (pivoted) design for ensured pad seat alignment. Keys affixed to silver flanges, B-flat, upper C, and F keys bolted to glass body, and G#, D# keys soldered to respective socket ferrules. **Physical Description:** 4 sections. **Measurement:** 62.3 cm. **Case:** DCM ledger: "Case, square mahogany, lined with purple velvet. Unique…." **Provenance:** Rudall, Carte & Co., London, 14 Apr. 1928. Digital image available
0773	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Northern Cheyenne) **Materials:** Bone, fipple near upper end. Sheathed with blue, red, and light green beaded fabric. Attached is a decorative bead-covered thong, possibly reptile. **Measurement:** 21.3 cm. **Notes:** DCM ledger: "American Indian, Northern Cheyenne." **Provenance:** Albert G. Heath, Chicago, 14 Apr. 1928. Digital image available
0774	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Blackfoot) **Maker Place:** Montana **Materials:** Wood, stained yellow and red. **Physical Description:** Lower half decorated by hand carving five grooves thereby creating adjacent bosses. **Measurement:** 21 cm. **Notes:** DCM ledger: "American Indian, Blackfoot, Montana." **Provenance:** Albert G. Heath, Chicago, 14 Apr. 1928. Digital image available
0775	**Instrument Type:** Flute(?) **Maker Name:** Anonymous, North American Indian (Yurok) **Materials:** Bone. **Keys Holes System:** 0/3 holes. **Physical Description:** This object appears to be hollowed its entire length although it is not certain if this is intentional or bone structure. **Measurement:** 24.3 cm. **Notes:** DCM ledger: "American Indian, Yurok, California." There are 3 roughly equally spaced holes made by cutting deep notches at each point, but neither end appears to facilitate the required sound-producing edge. If so intended, this would be an open-ended flute. **Provenance:** Albert G. Heath, Chicago, 14 Apr. 1928. Digital image available

Unit Id	*Contents*
0776	**Instrument Type:** Flute **Maker Name:** Anonymous, North American Indian (Yurok) **Materials:** Bone. **Keys Holes System:** 0/3 holes. **Physical Description:** Decorated with 3 incised rings. **Measurement:** 24.9 cm. **Notes:** DCM ledger: "American Indian, Yurok, California." In addition to what are obviously 3 fingerholes, there is located above, a lateral and indented hole which may be the embouchure if this were intended as a transverse flute, which would therefore require the tubing above to be closed. However, it is not, and it may be intended as a whistle flute, although the whistle edge is quite unsatisfactory. **Condition:** Patches of an unidentified covering, possibly thin leather, are still present, but can easily be peeled away. **Provenance:** Albert G. Heath, Chicago, 14 Apr. 1928. Digital image available
0777	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Southern Arapaho) **Maker Place:** Oklahoma **Materials:** Hardwood tube and flue cover, painted blue, red, and black. Cord bindings, feathers, iron tacks. **Keys Holes System:** 0/6 holes. **Physical Description:** Hardwood tube, carved out of 2 split halves, lashed together. Flue cover in the shape of a bird's head, possibly a duck's. **Measurement:** 54.3 cm. **Notes:** DCM ledger: "American Indian, Southern Arapahoe, Oklahoma." Tube decorated with blue paint at end, plus red paint inside, and over the 3 cord bindings. Flue cover painted blue with black beak and red cone or head feathers, iron tacks for eyes. Darling. **Provenance:** Albert G. Heath, Chicago, 14 Apr. 1928. Digital image available

Unit Id	*Contents*
0778	**Instrument Type:** Flute in C **Maker Name:** Emilio Piana **Maker Place:** Florence **Maker Date:** -1899- **Materials:** Nickel silver. **Keys Holes System:** Briccialdi system, cylindrical, with Boehm full venting principles. See DCM 178. Modified 8-key instrument with 16 keys covering the principal rank toneholes including LH 1st finger which is a single hole nearly the diameter of the tonehole. All keys are full covered plate, except LH little finger D#. LH (old system) principal rank keys include the Siccama finger 3 principal, although operating 2 keys at once, as open G# until closed. The RH also has a Siccama extended key principal, but moved to the 4th hole (RH 1st finger) instead of finger 6 to close the G hole. F-natural can be fingered old system (RH 1, 2) or forked fingering. Foot to C, roller. **Physical Description:** 2 sections. **Measurement:** 66.4 cm. **Notes:** According to Langwill, Giulio Briccialdi was inventor of the Briccialdi system flute. Briccialdi system flute was built by Piana for Brizzi & Niccolai in 1870. **Provenance:** Pablo Colon, New York, 2 May 1928. Digital image available
0779	**Instrument Type:** Piccolo in C **Maker Name:** Euler **Maker Place:** Frankfurt am Main **Maker Date:** 1810-1873 **Materials:** Rosewood(?), ivory head joint cap with metal cork-setting mechanism. Nickel silver keys and ferrules. Metal-lined tuning slide. **Keys Holes System:** 6 keys, round flat flaps, pin in block. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 31.5 cm. **Condition:** Head joint, both sections, cracked, including a repair attempt on the lower head joint section consisting of 2 nickel silver ferrules driven down over a tapered exterior. Short F key and block broken off and missing, E-flat key finger lever is a replacement, finger lever and key pin are replacements. **Provenance:** William R. Gibbs, Boston, 2 May 1928. Digital image available

Unit Id	*Contents*
0780	**Instrument Type:** Flute in C **Maker Name:** William Hall & Son **Maker Place:** New York **Maker Date:** 1848-1858 **Materials:** Rosewood(?), silver-plated cap, lip plate ferrule, keys, and ferrules. **Keys Holes System:** 8 keys, modern style key cups except low C, C# which have pewter plugs. English style, large fingerholes. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.8 cm. **Notes:** Elegantly engraved end cap and all ferrules. Portion of lip plate ferrule engraved with decorative border figure surrounding area possibly meant originally to receive inscription. **Condition:** Head joint, both sections, cracked. **Provenance:** Baxter-Northup Co., Los Angeles, 2 May 1928. Digital image available
0781	**Instrument Type:** Flute in C **Maker Name:** William Henry Potter **Maker Place:** London **Maker Date:** 1809-1814 **Materials:** Cocus or unidentified tropical dark wood. Ivory cap, cork-setting mechanism, and ferrules. Silver keys, pewter plugs over metal-lined holes. **Keys Holes System:** 7 keys, pewter plugs, foot to C. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.15 cm. **Condition:** Head joint, cracked, both sections, both ferrules. Foot joint E-flat key broken near pivot, misaligned during solder repair attempt. Pin holes in key strangely enlarged. Pewter plug appears to be a replacement attempt. E-flat key pad seat bushing missing. **Provenance:** William Powell, Birmingham, England, 5 May 1928. Digital image available
0782	**Instrument Type:** Flute in C **Maker Name:** Theobald Boehm **Maker Place:** Munich **Maker Date:** 1851 **Materials:** Silver, gold embouchure plate, wood crutch. **Keys Holes System:** Boehm system, open G#. **Measurement:** 64.05 cm. **Notes:** DCM ledger: "This flute has been altogether rebuilt as to key mechanism. Evidently was originally very like [DCM 653], with rods on both outer and inner side of body. D# low, thumb key, and two trill-key holes have been moved. Key-cups for G# and A keys are the only original ones left. Briccialdi thumb keys are new…. Cap is new." **Case:** DCM ledger: "Case, square, original red lining, new black leather on outside." **Provenance:** Rudall, Carte & Co., London, 5 May 1928. Digital image available

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0783	**Instrument Type:** French Flageolet **Maker Name:** Anonymous **Materials:** Ebony, with (originally) ivory mouthpiece and ferrules. **Keys Holes System:** 2/4 holes. **Physical Description:** 5 pieces, including fingerhole section, fipple sections, 2-part sponge chamber, and mouthpiece. **Measurement:** 35.3 cm. **Condition:** Mouthpiece cracked and unsatisfactorily repaired with decorative silver ferrule. Lower section of sponge chamber cracked at upper ferrule. Fipple section cracked in 2 places, original bottom ferrule missing, replaced with aluminum ferrule to address cracked condition. **Provenance:** Harold Reeves, London, 8 May 1928. Formerly in the de Léry collection. Digital image available
0784	**Instrument Type:** Chanter, Zampogna **Maker Name:** Anonymous **Materials:** Olive(?) wood, brown colored, decorated with incised lines, and formerly painted. **Keys Holes System:** 1/6 holes plus 1 vent hole. **Measurement:** 34.8 cm. **Condition:** Paint missing. **Provenance:** Harold Reeves, London, 8 May 1928. Formerly in the de Léry collection. Digital image available
0785	**Instrument Type:** Musette **Maker Name:** P. Gaillard(?) **Maker Place:** Paris **Maker Date:** late 18c **Materials:** Ivory, crudely turned, silver ferrule (now missing) for reed. **Keys Holes System:** 1/6 holes. **Measurement:** 34.8 cm. **Condition:** Bell cracked into 2 parts, other cracks and breaks. Missing silver ferrule. **Provenance:** Harold Reeves, London, 8 May 1928. Formerly in the de Léry collection. Digital image available
0786	**Instrument Type:** Tabor Stick **Maker Name:** Anonymous **Materials:** DCM ledger: "Of reddish wood (like violin bows). Ivory tip for drum. Large, knob-like turned handle on other end, with two ivory rings. End inlaid with pearl." **Measurement:** 38.1 cm. **Condition:** Small crack in ferrule. **Provenance:** Harold Reeves, London, 8 May 1928. Digital image available

Unit Id	*Contents*
0787	**Instrument Type:** Tabor (Galoubet) **Maker Name:** Long **Maker Place:** La Ciotat **Maker Date:** mid 19c(?) **Materials:** Bone. **Keys Holes System:** 1/2 holes. **Physical Description:** 1 piece. **Measurement:** 31.25 cm. **Condition:** Elegantly turned and in excellent condition. **Provenance:** Harold Reeves, London, 8 May 1928. Letter from Reeves to DCM, 23 Apr. 1928: "This instrument was at one time in the possession of Augustin Eugene Scribe, 1791-1861." Digital image available
0788	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Northern Cheyenne) **Materials:** Soft wood, pine or spruce, stained red, brass mouthpipe over wood. Brass upholstery tack eyes. Lead flue plate. **Keys Holes System:** 0/6 holes plus 3 vent holes. **Physical Description:** Tube gouged out of 2 halves of a split branch, glued and lashed together in 4 places with gut. See Notes. **Measurement:** 73 cm. **Notes:** DCM ledger: "Northern Cheyenne." The seam on each side is further secured with a strip of unidentified membrane. The tube is decorated with low relief carving integral ferrules in 3 places, and finished at the end with a bird's head with black painted beak, red inside. Just above, there are 3 long, narrow vent holes, the tube is painted or stained red, and the wooden flue cover is carved wood. Bird saddle block probably had feathers attached. **Provenance:** Albert G. Heath, Chicago, 11 May 1928. Digital image available
0789	**Instrument Type:** Piccolo in C **Maker Name:** Wilhelm Liebel **Maker Place:** Dresden **Maker Date:** 1823-ca. 1886 **Materials:** Ebony, nickel silver keys and ferrules. Metal-lined blocks. **Keys Holes System:** 6 keys, round flat flaps, pin in block. **Physical Description:** 2 sections. **Measurement:** 32.4 cm. **Condition:** Crack in head joint repaired with 2 nickel silver cross pins. Bottom ferrule missing. Part of G# key block missing lower side. **Provenance:** William R. Gibbs, Boston, 16 May 1928. Digital image available

Unit Id	*Contents*
0790	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Shoshone) **Materials:** Bamboo tube, lead flue plate, wood flue cover, leather thong. **Keys Holes System:** 0/6 holes. **Physical Description:** Bamboo tube with 6 burned-in fingerholes, interior appears burned out. Flue cover is wood carved in the form of a bird or squirrel. **Measurement:** 53.3 cm. **Notes:** DCM ledger: "Shoshone." **Provenance:** Albert G. Heath, Chicago, 16 May 1928. Digital image available
0791	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Mandan) **Materials:** Unidentified soft wood, entirely covered with a length of animal intestine (DCM understood to be of buffalo), rawhide, brass, lead. **Keys Holes System:** 0/6 holes (the lowest of the 6 has been plugged with wood) plus 4 long vent holes plus 4 small round vent holes at the end. **Physical Description:** Tube gouged out of 2 halves and likely glued together. Flue cover carved in the form of a bear's head. Tube is further secured in 2 places with rawhide strap, one also positioning the wooden flue cover. **Measurement:** 64.6 cm. **Notes:** DCM ledger: "Mandan." The brass mouthpipe appears to have been a shell casing. **Provenance:** Albert G. Heath, Chicago, 16 May 1928. Digital image available
0792	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Moki) **Materials:** Bone, painted ochre with black wavy decorative line (snake image). **Physical Description:** With fipple near top end. **Measurement:** 20.85 cm. **Notes:** DCM ledger: "Moki." **Provenance:** Albert G. Heath, Chicago, 16 May 1928. Digital image available
0793	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian **Materials:** Bone. **Physical Description:** Fipple about equidistant from ends. With incised line décor. **Measurement:** 10.8 cm. **Notes:** DCM ledger: "Lake Co., California." **Condition:** Portion of end broken away. **Provenance:** Albert G. Heath, Chicago, 16 May 1928. Digital image available

Unit Id	*Contents*
0794	**Instrument Type:** Shinobue or Takebue (Transverse Flute) **Maker Name:** Anonymous, Japanese **Materials:** Bamboo, lacquered black outside, red inside, with 12 wrappings. **Keys Holes System:** 0/7 holes. **Measurement:** 42.65 cm. **Condition:** Cracked. **Provenance:** Isamu Hirabayashi, Tokyo, Japan, 16 June 1928. Digital image available
0795	**Instrument Type:** Shinobue or Takebue (Transverse Flute) **Maker Name:** Anonymous, Japanese **Materials:** Bamboo, lacquered red inside, decorated with 12 windings, painted black, plus painted black bands. **Keys Holes System:** 0/6 holes **Measurement:** 39.8 cm. **Condition:** Cracked entire length. **Provenance:** Isamu Hirabayashi, Tokyo, Japan, 16 June 1928. Digital image available
0796	**Instrument Type:** Shinobue or Takebue (Tranvsverse Flute) **Maker Name:** Anonymous, Japanese **Materials:** Bamboo, lacquered red inside, horn cap inset with bone, horn end ferrule. **Keys Holes System:** 0/6 holes. **Measurement:** 41.9 cm. **Condition:** Cracked full length. **Provenance:** Isamu Hirabayashi, Tokyo, Japan, 16 June 1928. Digital image available
0797	**Instrument Type:** Nay (Vertical Flute) **Maker Name:** Anonymous **Maker Place:** Arabia **Materials:** Bamboo, stained brown. **Keys Holes System:** 1/6 holes. **Measurement:** 36.4 cm. **Notes:** DCM ledger: "Vertical Flute - Arabia. 'Gosbah.'" **Provenance:** Carleton Sprague Smith, New York, 2 Mar. 1927. Digital image available

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0798	**Instrument Type:** Flute in C **Maker Name:** Chabrier de Peloubet **Maker Place:** New York **Maker Date:** 1829-1836 **Materials:** Boxwood, ivory cap with cork-setting mechanism and ferrules, brass keys. **Keys Holes System:** 6 keys, round flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.9 cm. **Condition:** Head cracked, C key replaced (by DCM?). **Provenance:** Elizabeth B. Ripley, Malden, Massachusetts, 31 July 1928. Digital image available
0799	**Instrument Type:** Piccolo in C (Part only) **Maker Name:** C. Lange **Maker Place:** St. Petersburg **Maker Date:** a1878-p1882 **Materials:** Cocus(?), stained dark, nickel silver keys. **Keys Holes System:** 6 keys, post and rod, direct mount. **Physical Description:** 1 section only, missing head when acquired by DCM. **Measurement:** 20.4 cm. **Condition:** G# key missing; short F key lever, operating long F key, missing. The E-flat key hinge tube is unsoldered and missing. **Provenance:** Source not known. Possibly obtained from Edouard Lippé, Philadelphia, ca. Mar.-Aug. 1928. DCM ledger: "(?) (Edouard Lippé?)." Digital image available
0800	**Instrument Type:** Bass Recorder **Maker Name:** Jean Jacques Rippert **Maker Place:** Paris **Maker Date:** a1696-p1716 **Materials:** Wood, stained, possibly maple, brass crook, wood mouthpiece, ivory ferrules. **Keys Holes System:** 1/7 holes plus 1 key for F, round flap. **Physical Description:** 3 sections, top, main section, and wind cap. Crook and mouthpiece are replicas. **Measurement:** 112.9 cm. (without crook) **Notes:** Bottom of lowest (foot) joint perforated with 12 vent holes. Originally with strut. **Condition:** Middle joint slightly warped. Random chips missing from turnings and ivory ferrules (which look like bone). **Provenance:** Henning Oppermann, Basel, 7 Aug. 1928. Letter from Oppermann to DCM states "belonged years ago to Hauptmann Schumacher, Lucerne." Digital image available

Unit Id	*Contents*
0801	**Instrument Type:** Flute in C **Maker Name:** Jeremias Schlegel **Maker Place:** Basel **Maker Date:** 1752-1792 **Materials:** Boxwood, lightly stained, ivory end cap incorporating boxwood cork-setting mechanism, silver key, ivory ferrules. **Keys Holes System:** 1 key, square flat flap. See Phillip T. Young, "4900 Historical Woodwind Instruments," London, Tony Bingham, 1993, p. 212, fn. 1. **Physical Description:** 4 sections, 3 corps de rechange. See DCM 810. **Measurement:** 62.2 cm., 63.1 cm., 63.75 cm. **Notes:** The head and foot joint have stamped near their socket ferrules a figure "7" and all 4 body joints have the same figure 7 stamped at both ends. These appear to be guide marks for the player (perhaps for the amateur) to align the joints correctly for most comfortable playing condition. However, the use of a numeral as opposed to some other symbol may indicate some factory code, perhaps relating to individual makers in the Schlegel shop. See DCM 810 which uses the same alignment method, but with a number 2 rather than 7. That instrument, although incomplete, appears to be noticeably shorter than DCM 801, and the numeral could indicate a particular model regarding pitch. **Provenance:** Henning Oppermann, Basel, 7 Aug.1928. Formerly in the collection of Hauptmann Schumacher, Lucerne. Digital image available
0802	**Instrument Type:** Flute in C **Maker Name:** Josef Karl Felchlin **Maker Place:** Bern **Maker Date:** a1836-1855 **Materials:** Boxwood, wood cap with ivory tip, nickel silver key, ivory ferrules. **Keys Holes System:** 1 key, round flat flap. **Physical Description:** 4 sections, 3 corps de rechange. **Measurement:** 61.7 cm., 62.5 cm., 63.4 cm. **Provenance:** Henning Oppermann, Basel, 7 Aug. 1928. Formerly in the collection of Hauptmann Schumacher, Lucerne. Digital image available
0803	**Instrument Type:** Piccolo in D-flat **Maker Name:** Josef Karl Felchlin **Maker Place:** Bern **Maker Date:** a1836-1855 **Materials:** Boxwood, ivory cap and ferrules, silver key. **Keys Holes System:** 1 key, square flat flap. **Physical Description:** 3 sections. **Measurement:** 30.55 cm. **Notes:** The body joint mark "DIS." indicated that this was a band flute in D-flat. However, the head joint marking has a "D", meaning not known in that the head joint seems to be in about the required proportion for this instrument. **Provenance:** Henning Oppermann, Basel, 7 Aug. 1928. Formerly in the collection of Hauptmann Schumacher, Lucerne. Digital image available

Unit Id	*Contents*
0804	**Instrument Type:** Flute in C **Maker Name:** Martin Lot **Maker Place:** Paris **Maker Date:** 1743-1783 **Materials:** Boxwood, brass key, animal horn ferrule at head joint socket. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 61.7 cm. **Condition:** Head joint cracked, not ferrule. Tenon cracked in upper body joint. **Provenance:** Henning Oppermann, Basel, 7 Aug. 1928. Formerly in the collection of Hauptmann Schumacher, Lucerne. Digital image available
0805	**Instrument Type:** Walking Stick Flute **Maker Name:** Anonymous **Materials:** DCM ledger: "Plum wood?", short brass ferrule with iron bottom tack at end, steel socket ferrules, brass D# key. Nickel silver ferrule (replacement). **Keys Holes System:** 1 key, round flat flap, plus 2 vent holes positioned fairly close to the D# key tonehole. **Physical Description:** 3 sections, head joint, body, and tapered staff. Instrument turned to look like bamboo. **Measurement:** 94 cm. **Condition:** Head joint cracked at both ends, the upper end having received a repair attempt in the form of a nickel silver ferrule. See DCM ledger: "Head cracked, new g. s. [German silver] ferrule on head." Middle joint socket cracked. Slight crack in staff at upper end, just below tenon. **Provenance:** Henning Oppermann, Basel, 7 Aug. 1928. Formerly in the collection of Hauptmann Schumacher, Lucerne. Digital image available
0806	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Date:** late 19c/early 20c **Materials:** Unidentified wood. **Keys Holes System:** 0/6 holes. **Physical Description:** 1 section. DCM ledger: "Swiss Flageolet-Pipe….Turned from one piece of wood. 'Home made.' Cylinder bore." **Measurement:** 30.7 cm. **Condition:** Edge chipped. **Provenance:** Henning Oppermann, Basel, 7 Aug. 1928. Formerly in the collection of Hauptmann Schumacher, Lucerne. Digital image available

Unit Id	*Contents*
0807	**Instrument Type:** Pitch Pipe **Maker Name:** "H=L" (maker?) **Materials:** Boxwood, animal horn ferrule, mouthpiece, and pitch slide pommel. **Physical Description:** Turned with simple decoration. Pitch slide scribed with lines, but not note names. **Measurement:** 31.3 cm. **Condition:** Pitch slide warped. **Provenance:** Henning Oppermann, Basel, 7 Aug. 1928. Formerly in the collection of Hauptmann Schumacher, Lucerne. Digital image available
0808	**Instrument Type:** Fife **Maker Name:** Anonymous **Maker Place:** Appenzell canton, Switzerland **Materials:** Boxwood, brass end ferrules. **Keys Holes System:** 0/6 holes. **Measurement:** 31.7 cm. **Notes:** DCM ledger: "Appenzeller Landsgemeindepfeifen, Appenzell Village community fife… which is blown at the time of marching out of the Landsgemeinde." Upper end of instrument, including ferrule, drilled through both sides, possibly for carrying cord. **Condition:** Warped. **Provenance:** Henning Oppermann, Basel, 7 Aug. 1928. Formerly in the collection of Hauptmann Schumacher, Lucerne. Digital image available
0809	**Instrument Type:** Piccolo in C(?) **Maker Name:** C. Mahillon **Maker Place:** Brussels **Maker Date:** 1836-1935 **Materials:** Cocus, nickel silver keys. **Keys Holes System:** 5 keys, post and rod, direct mount. **Physical Description:** 2 pieces. **Measurement:** 30.65 cm. **Condition:** Head cracked. **Provenance:** Henning Oppermann, Basel, 7 Aug. 1928. Formerly in the collection of Hauptmann Schumacher, Lucerne. Digital image available

Unit Id	*Contents*
0810	**Instrument Type:** Flute in C **Maker Name:** Schlegel **Maker Place:** Basel **Maker Date:** 18c **Materials:** Boxwood, lightly stained, ivory ferrules, end cap (missing), and silver key. **Keys Holes System:** 1 key, square flat flap. See Phillip T. Young, "4900 Historical Woodwind Instruments," London, Tony Bingham, 1993, p. 212, fn. 1. **Physical Description:** 4 sections, plus 1 upper joint. See DCM 801. **Measurement:** 62.3 cm. (as is) **Notes:** HL as monogram on each stamp. The markings include at the bottom of all joints other than the head, a numeral "2", see DCM 801. The 2 body joints are unique in that each fingerhole grouping positions the holes at an angle favoring the hand involved. DCM 801 is constructed slightly that way. The head joint bears a Schlegel stamp but not the alignment number 2 as on the upper joints, and probably is not original to this flute. The various Schlegel marks indicate the flute may be a composite from the workshops of Christian and his son Jeremias. Furthermore, this head joint, in addition to a poorly altered embouchure hole, also has drilled further down the tube, 4 large holes, measuring approximately 9.5 millimeters in diameter, their purpose unknown. It is possible that this head joint was declared unuseable in the shop, and may have been assigned to an apprentice wishing to practice with the drilling equipment of the time (probably a bow drill). **Condition:** End cap not present, and not noted or measured by DCM. **Provenance:** Henning Oppermann, Basel, 7 Aug. 1928. Digital image available
0811	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** John Spear, North American Indian (Winnebago) **Maker Date:** late 19c **Materials:** Red cedar tube, aluminum flue plate, wood flue cover. **Keys Holes System:** 0/6 holes plus 4 vent holes. Both the 6 fingerholes and 4 ventholes at the bottom are tapered (reverse of undercut), and bored upward at an angle. They appear to have been both drilled and burned. **Physical Description:** Tube gouged out of 2 halves, glued and wired together in 12 places, including integral mouthpiece. **Measurement:** 53.9 cm. **Notes:** The flue plate, if original, and the flue cover is the carved wood type sometimes referred to as the "saddle." DCM ledger: "Winnebago" [and] "Made by John Spear, about 97 years old. See No. 242, for new flute by 'John Spear.'" **Provenance:** H. H. Bennett Studio, Kilbourn, Wisconsin, 25 Sept. 1928. Digital image available

Unit Id	*Contents*
0812	**Instrument Type:** Pitch Pipe **Maker Name:** Anonymous **Materials:** Unidentified wood, stained dark brown, bone ferrules. **Physical Description:** The instrument is turned, in 3 basic parts, an outer tube with separate windcap above the fipple and containing a slide scale stamped with note names from C to G which in turn contains a second slide scale which continues the available notes, marked, A-B. **Measurement:** 31.3 cm. **Condition:** Fipple edge slightly damaged. Some cracks. **Provenance:** J. George Morley, London, 20 Oct. 1928. Digital image available
0813	**Instrument Type:** Patent Tin Whistle **Maker Name:** Harry Bernard **Maker Place:** Chambersburg, Pennsylvania **Maker Date:** 1921 **Materials:** Steel with chrome(?) plating. **Keys Holes System:** 0/5 holes. **Physical Description:** 1 piece. Vertical, cylindrical flute similar to the penny whistle, but with only 5 fingerholes. **Measurement:** 32.2 cm. **Notes:** The patent aspect involves a 9.7 centimeter steel hinged and sprung lever which moves a U-shaped steel element into the fipple just above the edge and lowers any note by roughly a semitone, thus offering chromatics without forked fingerings. Described in "Popular Mechanics," Dec. 1921, p. 842. **Provenance:** Harry Bernard, Chambersburg, Pennsylvania, 1921. Digital image available
0814	**Instrument Type:** Ocarina **Maker Name:** Harry Bernard **Maker Place:** Chambersburg, Pennsylvania **Maker Date:** 1910 **Materials:** Metal, mostly steel with brass and nickel silver elements. Painted a red clay hue. **Keys Holes System:** 3 keys (1 open standing for LH 1st finger upper phalanx, 2 closed standing), and left thumb lever operating a patented slide mechanism. 4 fingerholes. See Notes. **Physical Description:** Designated an "ocarina" by the inventor, this patented vertical fipple flute is made of cone-shaped sheet metal. **Measurement:** 21 cm. **Notes:** Sliding through the 4 elevated fingerholes plus the 2 open standing keys is a steel plate which either opens or closes 2 tiny fingerholes within each larger tonehole involved. All 3 holes open in that rank of key work produce a whole tone scale, the 2 smaller fingerholes closed then yields the adjacent whole tone scale for a supposedly fully chromatic system. This instrument is a clever mix of home workshop craft but including what appears to be the left thumb key (nickel silver) from a simple system flute. **Provenance:** Harry Bernard, Chambersburg, Pennsylvania, 1921. Digital image available

Unit Id	*Contents*
0815	**Instrument Type:** Ocarina **Maker Name:** Harry Bernard **Maker Place:** Chambersburg, Pennsylvania **Maker Date:** 1910 **Materials:** Aluminum, thin sheet. **Keys Holes System:** 6 fingerholes, defining a whole tone scale. A 7th fingerhole near (above) the labium raises, in theory, any pitch by a semitone thereby generating the other whole tone scale. **Physical Description:** 2 pieces, soldered and folded together. **Measurement:** 19.4 cm. **Notes:** Patent No. 845998, March 5, 1907. **Provenance:** Harry Bernard, Chambersburg, Pennsylvania, 1923 Digital image available
0816	**Instrument Type:** Panpipe Toy **Maker Name:** "Wowee" **Maker Place:** United States **Maker Date:** 20c **Materials:** Wax. **Physical Description:** 8 fipple pipes, for 8-note scale. **Measurement:** 3.1 cm. x 6.5 cm. x 9.2 cm. **Condition:** Marking is quite worn. Warped (likely) due to heat. **Provenance:** Carroll G. Cambena, Los Angeles, 1928. Sold at the beach in Los Angeles. Digital image available

Unit Id	*Contents*
0817	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Materials:** Cocus (rosewood?), silver keys and heavily embossed (medium relief) ferrules. Pewter plugs over square metal plates for C#, C. **Keys Holes System:** 8 keys, saltspoon, pewter plug C#, C, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.8 cm. **Notes:** In letter from G. A. Rose to DCM, 20 Sept. 1928, he states: "…they [DCM 817, 825 and 826] have been in my father's family many years…." DCM ledger states that G. A. Rose was "Referred by W. C. McQuillen (through J. Geo. Morley)." G. A. Rose had been a restorer of paintings in London for 30 years when he first contacted Miller on 20 Sept. 1928, offering to sell him three flutes (DCM 817, 825 and 826). Rose's friend, John Sebastian Morley, of the harp-making firm, J. Geo. Morley in London, had shown Rose some photographs of Miller's collection. On 7 Aug. 1928, Morley had been visited by Walter C. McQuillen, a retired banker, amateur flutist, and world traveller, based in Los Angeles, who was a long-time friend of Miller's. Morley wrote to Miller the same day, saying: "I have today received a visit from Mr. McQuillen who has asked me to communicate with you should I come across interesting old flutes, or other instruments of that family." Thus, it was via Morley, via McQuillen, that G. A. Rose came to contact Miller. **Condition:** Head joint, both sections, cracked. Long F key mount may be a replacement. Lower joint crack at socket. **Provenance:** G. A. Rose, London, 14 Nov. 1928. Referred by John Sebastian Morley, of the harp-making firm, J. Geo. Morley, London, who had, in turn, been referred by Walter C. McQuillen, of Los Angeles. Digital image available
0818	**Instrument Type:** Flute in C **Maker Name:** Luigi Vanotti **Maker Place:** Milan **Maker Date:** ca. 1928 **Materials:** Silver plated. **Keys Holes System:** Boehm system, closed G#, foot to C. **Measurement:** 67 cm. **Provenance:** Louis Rossi, New York, 28 Nov. 1928. Digital image available
0819	**Instrument Type:** Flute in E-flat **Maker Name:** Josef Ignaz Widmann **Maker Place:** Freiburg im Breisgau **Maker Date:** 1838-1863 **Materials:** Boxwood, ivory cap and ferrules, brass keys. **Keys Holes System:** 5 keys, shallow saltspoon, pin in block. **Physical Description:** 4 sections. **Measurement:** 51.4 cm. **Condition:** Head joint warped, part of F key block broken away at pin line and missing. **Provenance:** Henning Oppermann, Basel, 28 Nov. 1928. Digital image available

Unit Id	*Contents*
0820	**Instrument Type:** Flute Flageolet **Maker Name:** William Bainbridge **Maker Place:** London **Maker Date:** 1821-1831 **Materials:** Boxwood, ivory end cap, mouthpiece, labium, and ferrules. Silver keys. **Keys Holes System:** 4 keys, square (chamfered). Pin in block. **Physical Description:** 4 sections; head joint is a 2-part fipple or block flute design with the mouthpiece attached laterally so that the instrument is held as a transverse flute. **Measurement:** 61.5 cm. **Notes:** Lower, foot, marked: BAINBRIDGE. **Condition:** This instrument is essentially a standard 4-keyed transverse flute English style with the upper body joint carrying the socket although somewhat elongated. Tuning can be done by either the tenon within the head joint or the tenon uniting the head joint with the body proper. The cap has machine threads and is attached in that way. The fipple edge of this instrument is a separate piece of ivory or bone and possibly a professional repair replacement (by DCM?). **Provenance:** W. Howard Head, London, 7 Dec. 1928. Digital image available
0821	**Instrument Type:** Flute in C **Maker Name:** A. E. Fischer **Maker Place:** Bremen **Maker Date:** 1864-1949 **Materials:** Grenadilla, nickel silver head, silver-plated keys. **Keys Holes System:** Simple system flute, conical bore, similar to but slightly less complex than the early Schwedler Reform flute (DCM 62, 714, 1026, and 1584), including C# vent brille (ring keys), high D-E trill which will also function as RH 1st finger alternate B-flat, RH high G-A trill, C#-D# trill for RH 1st finger or LH 3rd finger. Automatic vent hole for F# in all octaves. Foot to B. **Physical Description:** 3 sections. **Measurement:** 73.5 cm. **Provenance:** W. Valdepoort, Rotterdam, 14 Dec. 1928. Digital image available
0822	**Instrument Type:** Flute in C **Maker Name:** William Henry Potter **Maker Place:** London **Maker Date:** 1809-1833 **Materials:** Ebony, ivory cap, cork-setting mechanism and ferrules, silver keys. **Keys Holes System:** 8 keys, pewter plugs, metal-lined holes. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.1 cm. **Notes:** Head joint barrel inner sleeve marked with incised lines (or rings, marked 4-6); head joint cap tuning screw shaft has 3 corresponding lines for resetting the cork. **Condition:** Both sections and both ferrules of head joint are cracked (DCM ledger: "Head cracked wide open-Apr. 30, 1929"), formerly filled. **Provenance:** J. Clayton Boyes, Bushey, England, 14 Dec. 1928. Digital image available

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0823	**Instrument Type:** Flute in C **Maker Name:** Thibouville frères **Maker Place:** Ivry-la-Bataille **Maker Date:** a1909 **Materials:** Cocus or grenadilla, silver keys, ferrules, socket liners. **Keys Holes System:** 4 keys, post and rod on inset oval flanges, modern style key cups. **Physical Description:** 4 sections, tuning slide in head (partially lined). **Measurement:** 61.4cm. **Case:** Case, mother-of-pearl key area. **Provenance:** Baxter-Northup Co., Los Angeles, 15 Dec. 1928. Digital image available
0824	**Instrument Type:** Walking Stick Flageolet **Maker Name:** Anonymous **Materials:** Maple(?), with acid stain "grained" décor, brass ferrule with iron tip. Thumbhole bushed with ivory. **Keys Holes System:** 1/7 holes plus 4 apparently wooden keys, now missing. Three terminating vent holes at bottom of main section. Pin in block. **Physical Description:** 2 sections. **Measurement:** 87.45 cm. **Notes:** Bottom section terminates with long tapered brass ferrule and round-headed iron tack. **Condition:** Pommel missing, original material unknown. All 4 keys missing. B-flat and G# key blocks are broken. Lower (staff) tenon broken off. **Provenance:** Carolyn A. Alchin, Los Angeles, 15 Dec. 1928. Digital image available

Unit Id	*Contents*
0825	**Instrument Type:** Flute in A or A-flat **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** 1824-1837 **Materials:** Cocus, silver lip plate ferrule, silver keys and ferrules, animal horn ferrules. **Keys Holes System:** 8 keys, saltspoon with pewter plugs for low C# (A#), C (A). Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 81.7 cm. **Notes:** Each silver ferrule is adjacent to an animal horn ferrule, positioned as a decorative element. This is either a flute d'amore in A, or, less likely, a band flute in high pitch A-flat, and therefore called a B-flat flute. However, the fragile design of an animal horn ferrule ahead of the more supportive silver ferrule at each socket may indicate an instrument less well suited for outdoor flute band usage. In letter from G. A. Rose to DCM, 20 Sept. 1928, he states: "…they [DCM 817, 825 and 826] have been in my father's family many years…." DCM ledger states that G. A. Rose was "Referred by W. C. McQuillen (through J. Geo. Morley)." G. A. Rose had been a restorer of paintings in London for 30 years when he first contacted Miller on 20 Sept. 1928, offering to sell him three flutes (DCM 817, 825 and 826). Rose's friend, John Sebastian Morley, of the harp-making firm, J. Geo. Morley in London, had shown Rose some photographs of Miller's collection. On 7 Aug. 1928, Morley had been visited by Walter C. McQuillen, a retired banker, amateur flutist, and world traveller, based in Los Angeles, who was a long-time friend of Miller's. Morley wrote to Miller the same day, saying: "I have today received a visit from Mr. McQuillen who has asked me to communicate with you should I come across interesting old flutes, or other instruments of that family." Thus, it was via Morley, via McQuillen, that G. A. Rose came to contact Miller. **Condition:** Head joint, both sections, cracked. Middle joint socket cracked. Foot joint socket cracked. C#, C key block missing wood-separating element, and front side of block broken and replaced. Of 7 original animal horn ferrules, only 2 are intact, 2 are widely cracked, 3 are missing. **Provenance:** G. A. Rose, London, 24 Dec. 1928. Referred by John Sebastian Morley, of the harp-making firm, J. Geo. Morley, London, who had, in turn, been referred by Walter C. McQuillen, of Los Angeles. Digital image available

Unit Id	*Contents*
0826	**Instrument Type:** Flute d'amore in A **Maker Name:** Clementi & Co. **Maker Place:** London **Maker Date:** 1802-1831 **Materials:** Ebony(?), ivory cork-setting mechanism, silver keys and ferrules, metal-lined head. **Keys Holes System:** 7 keys, saltspoon except pewter plugs over metal-lined holes for C#, C. Pin in block. Foot to G. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 81.6 cm. **Notes:** Head joint decorated in Clementi fashion, numerous incised rings, similar to Scottish bagpipe décor. In letter from G. A. Rose to DCM, 20 Sept. 1928, he states: "…they [DCM 817, 825 and 826] have been in my father's family many years…." DCM ledger states that G. A. Rose was "Referred by W. C. McQuillen (through J. Geo. Morley)." G. A. Rose had been a restorer of paintings in London for 30 years when he first contacted Miller on 20 Sept. 1928, offering to sell him three flutes (DCM 817, 825 and 826). Rose's friend, John Sebastian Morley, of the harp-making firm, J. Geo. Morley in London, had shown Rose some photographs of Miller's collection. On 7 Aug. 1928, Morley had been visited by Walter C. McQuillen, a retired banker, amateur flutist, and world traveller, based in Los Angeles, who was a long-time friend of Miller's. Morley wrote to Miller the same day, saying: "I have today received a visit from Mr. McQuillen who has asked me to communicate with you should I come across interesting old flutes, or other instruments of that family." Thus, it was via Morley, via McQuillen, that G. A. Rose came to contact Miller. **Condition:** Head joint, both sections, cracked. **Provenance:** G. A. Rose, London, 24 Dec. 1928. Referred by John Sebastian Morley, of the harp-making firm, J. Geo. Morley, London, who had, in turn, been referred by Walter C. McQuillen, of Los Angeles. Digital image available
0827	**Instrument Type:** Flute in C **Maker Name:** Louis Drouet **Maker Place:** London **Maker Date:** 1818-p1819 **Materials:** Cocus, wood cap with silver stud, silver lip plate, keys, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, reverse upward pressure counter springs (each key has 2 springs). Low C#, C keys unique early example of motion transferred 90 degrees utilizing traditional pin in block mounting. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.45 cm. **Notes:** Engraved on elliptical silver plate on barrel: No flute is genuine that / is not bought at Mr L Drouet's / Manufactory / No. 23 Conduit Street Bond St & accompanied with a Certificate / under his hand. Elaborately embossed ferrules, with roses and leaves. **Condition:** Lip plate, not original with flute, possibly made by DCM. Barrel cracked. B-flat and upper C keys missing springs. Long F and D# keys broken off just before pivot pin. Foot ferrule missing. Small crack at foot joint socket. **Provenance:** William Powell, Birmingham, England, 5 Jan. 1929. Digital image available

Unit Id	*Contents*
0828	**Instrument Type:** Flute in C **Maker Name:** Alfred Badger, made in association with T. P. Monzani **Maker Place:** New York **Maker Date:** 1858-1859 **Materials:** Ebonite, silver engraved cap, lip plate, barrel, keys and ferrules. **Keys Holes System:** Boehm system, cylindrical, Dorus G#, Briccialdi B-flat, foot to B. Roller for C#, C. **Measurement:** 71.6 cm. **Notes:** Head joint bottom ferrule and cap are decorated with a knurled fine diamond pattern, plus engraving on the ferrule surrounding the gold name shield. **Case:** Original case. **Condition:** Right hand first finger key a nickel silver replacement. DCM felt that the flute "originally had five perforated keys." **Provenance:** Clayton Lindsay, Washington, D.C., 22 Jan. 1929. Digital image available
0829	**Instrument Type:** Flute in C **Maker Name:** Milot **Materials:** Unidentified wood, apparently stained both inside and out. Ivory cap and ferrules, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections, 3 corps de rechange. **Measurement:** 62 cm., 63 cm., 64 cm. **Notes:** DCM ledger: "Original paste-board box." **Condition:** Based on its unusually good condition and the fact that the maker is apparently unknown, this being the only known example (based on Langwill), it is possible that this instrument is a replica. The longest of 3 upper body joints is warped, and all 3 each have gone out of round. **Provenance:** Allen Loomis, Elkhart, Indiana, 26 Jan. 1929. Digital image available
0830	**Instrument Type:** Flute in C **Maker Name:** Heinrich Friedrich Kayser **Maker Place:** Hamburg **Maker Date:** a1833-1883 **Materials:** Cocus, embouchure bushed with silver lip plate, silver keys, ferrules. **Keys Holes System:** 12 keys, large saltspoon cups, keys mounted in metal saddles except D, E and lower portions of low C#, B, which are post and rod. Includes first finger RH C#-D# trill, low C# for left little finger. **Physical Description:** 3 sections, tuning slide in head. No separate foot joint. **Measurement:** 70.6 cm. **Condition:** Crack in head joint upper portion, repaired with pins. Crack in upper end of upper joint repaired with 3 blind pins, crack at socket of lower joint, also repaired with 1 blind pin. **Provenance:** Allen Loomis, Elkhart, Indiana, 26 Jan.1929.

Unit Id	*Contents*
0831	**Instrument Type:** Flute in C **Maker Name:** Goulding **Maker Place:** London **Maker Date:** 1813-1824 **Materials:** Boxwood, ivory cap and ferrules, silver keys with pewter plugs, metal-lined toneholes. **Keys Holes System:** 6 keys, pewter plugs, pin in metal-lined block, except for low C#, C. **Physical Description:** 4 sections, tuning slide in metal-lined head. **Measurement:** 66.1 cm. **Condition:** Head joint, both sections, large crack through embouchure hole, including both ferrules. Lower body joint cracked at socket, including ferrule, and missing 2 portions of F key mount. Foot joint cracked at socket, not including ferrule. **Provenance:** First National Bank, Oil City, Pennsylvania, 15 Feb. 1929. Digital image available
0832	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Pietro Padalino **Maker Place:** [Taormina, Sicily] **Maker Date:** 1894(?) **Materials:** Bone. **Keys Holes System:** 2/6 holes. **Measurement:** 19.95 cm. **Notes:** In letter to DCM, 15 Feb. 1929, Mrs. Sloan refers to this instrument as a "Sicilian shepherd's flute." She says she obtained it in Taormina, Sicily, in the summer of 1928. In an undated draft letter from DCM in response to Mrs. Sloan's letter of 15 Feb. 1929, DCM also refers to this as a "Sicilian shepherd's flute." **Condition:** Block missing. **Provenance:** Mrs. William Sloane, Norfolk, Virginia, 18 Feb. 1929. Digital image available
0833	**Instrument Type:** Flute in C, Left-Handed **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** 1892 **Materials:** Cocus, silver-plated keys and ferrules. Head joint fully lined with a metal pipe which terminates as a tuning slide within the socket. **Keys Holes System:** Boehm system, closed G#. DCM ledger: "There is an added D# key, stands open, closed automatically by third finger." **Measurement:** 65.85 cm. **Condition:** Crutch bracket moved from original upper hand location to favor lower hand usage. **Provenance:** Wilfrid T. Boulger, Lowell, Massachusetts, 2 Mar. 1929. Digital image available

Unit Id	*Contents*
0834	**Instrument Type:** Tenor Recorder (Voice Flute) in D(?) **Maker Name:** Peter Bressan; Anonymous **Maker Place:** London **Maker Date:** 1688-1730 **Materials:** Boxwood, stained dark brown, ivory ferrule. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 57.45 cm. **Notes:** This instrument is a composite of a likely original head joint with body and foot joints later manufactured. As is, given its present dimensions, the instrument would seem to be a voice flute in D, so-called. However, its original body and foot joints may have been adequately longer to yield a tenor in C, similar to DCM 1321. **Condition:** The foot joint is cracked in 2 places at the socket, and has 2 twisted wire repairs. The head joint socket is cracked and missing a little over 100 degrees of its ivory ferrule. The edge is badly altered and distorted, and the block possibly not original, is partly missing its beak, and is missing a small area due to wood rot. **Provenance:** Henning Oppermann, Basel, 4 Mar. 1929. Digital image available
0835	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Anonymous **Materials:** Unidentified wood, stained dark brown. **Keys Holes System:** 1/7 holes. **Physical Description:** Recorder in the usual 3 sections, having a simplified or streamlined pseudo-baroque exterior design. **Measurement:** 48.2 cm. **Provenance:** Henning Oppermann, Basel, 4 Mar. 1929. Digital image available
0836	**Instrument Type:** Flute in E-flat (Low Pitch) **Maker Name:** William Sherman Haynes **Maker Place:** Boston **Maker Date:** 1896 **Materials:** Silver plate over brass. **Keys Holes System:** Boehm system, closed G#. Low C roller. **Physical Description:** 2 sections. **Measurement:** 56.7 cm. **Notes:** DCM ledger: "Made in 1896 for Krueger. Used in Sousa's Band." **Condition:** Lower trill key post and flange unsoldered. **Provenance:** Otto Krueger, Detroit, Michigan, 16 Mar. 1929. Digital image available

Unit Id	*Contents*
0837	**Instrument Type:** Flute in C **Maker Name:** William Rönnberg **Maker Place:** New York **Maker Date:** 1834-1889 **Materials:** Boxwood(?), stained to appear as curly maple, silver-plated keys and ferrules. Metal socket on head joint and middle joint upper tenon. **Keys Holes System:** Boehm system, Dorus G#, foot to B. **Measurement:** 70.45 cm. **Condition:** Crack at lower end of body joint, previously cross-pinned. **Provenance:** Carl (Max) Fischer, New York, 27 Mar. 1929. Digital image available
0838	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Winnebago) **Materials:** Bamboo tube, lead flue plate, leather thong. **Keys Holes System:** 0/6 holes, burned in. **Physical Description:** Flue plate and cover carved in standard saddle shape except one side incorporates head and face of man. **Measurement:** 53.6 cm. **Notes:** DCM ledger: "American Indian, Winnebago." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 30 Mar. 1929. Digital image available
0839	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Winnebago) **Materials:** Cedar(?), stained dark brown, nickel silver flue plate, wood flue cover. **Keys Holes System:** 0/6 holes. One vent hole at the bottom, plugged with wood. **Physical Description:** Tube gouged from 2 halves and glued together. Flue cover carved in the form of a mammal. **Measurement:** 55.9 cm. **Notes:** DCM ledger: "American Indian, Winnebago." **Condition:** Worm damage in 5 places. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 30 Mar. 1929. Digital image available
0840	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Winnebago) **Materials:** Bamboo, quill. **Physical Description:** DCM ledger: "American Indian, Winnebago" [and] "Of natural bamboo, with one natural septum at 'sound hole.' Piece of quill, flattened and bound over the holes to form wind way. No finger holes, no 'plug' in upper end. Lower end at place of a knot, which is cut away. With a natural 'fluting' whole length." **Measurement:** 41.9 cm. **Condition:** Flue cover quill partially broken and missing. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 30 Mar. 1929. Digital image available

Unit Id	*Contents*
0841	**Instrument Type:** Walking Stick Flute in C **Maker Name:** Anonymous, English or American **Maker Date:** mid 19c **Materials:** Maple(?), mottled by use of acid stain. Tapered brass ferrule at bottom, ivory pommel with silver disk. Cord holes bushed with unidentified material. **Keys Holes System:** 4 keys, pin in block. **Physical Description:** 1 piece. **Measurement:** No mark. **Provenance:** G. L. Tilden, Northboro, Massachusetts, 5 Apr. 1929. Digital image available
0842	**Instrument Type:** Vertical Whistle Flute (Courting Flute) **Maker Name:** Anonymous, North American Indian (Winnebago) **Materials:** Unidentified soft wood, stained green, iron wire ferrules, brass rifle shell casing mouthpipe. Oak flue cover, string, aluminum(?) flue plate. **Keys Holes System:** 0/6 holes plus 4 vent holes. **Physical Description:** Tube gouged of 2 halves from a split branch, glued together and also supported with 10 ferrules. **Measurement:** No mark. **Notes:** DCM ledger: "American Indian, Winnebago." The simple carved oak flue cover is attached with string, although very likely originally attached with leather thong. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 6 Apr. 1929. Digital image available
0843	**Instrument Type:** Whistle(?) **Maker Name:** Anonymous, North American Indian **Materials:** Bone. **Keys Holes System:** 0 holes. **Physical Description:** See Notes. **Measurement:** 24.9 cm. **Notes:** DCM ledger: "American Indian, Sacramento Co., California." This instrument has a lateral, oval, recessed hole, which may have served any of 3 functions; the upper end is open and, although it fails, may have been intended to direct air to the lower edge of the oval hole, and thus make it a vertical whistle. More likely, if a flute of any sort, it would be a transverse flute, thereby requiring the open end to be closed. A third possibility is that it is a side blown lip reed signal horn, also requiring the upper end to be closed. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 6 Apr. 1929. Digital image available
0844	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Winnebago) **Materials:** Bone, eagle(?). **Physical Description:** Triangular fipple aperture with 3 incised lines at apex (as seen by performer) meant to look like a teepee. **Measurement:** 19.6 cm. **Notes:** DCM ledger: "American Indian, Wisconsin Winnebago." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 6 Apr. 1929. Digital image available

Unit Id	*Contents*
0845	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Potawatomi) **Materials:** Tube apparently made of a segment of gun barrel, quite old, having a hammer weld seam. Stained wood flue cover, lead flue plate. **Keys Holes System:** 0/6 holes. **Physical Description:** Flue cover carved in form of unidentified mammal. **Measurement:** 46.65 cm. **Notes:** DCM ledger: "American Indian, Potawatomi." **Provenance:** Albert G. Heath, Chicago, 15 Apr. 1929. Digital image available
0846	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Umatilla) **Materials:** Soft wood, painted black, steel upholstery tacks for eyes, painted red inside mouth. Brass tube mouthpiece, lead flue plate, wood flue cover. **Keys Holes System:** 0/5 holes plus 2 round plus 3 long race-track shaped vent holes. **Physical Description:** Tube made of 2 gouged halves glued and lashed together terminating in a carved animal head, likely deer, with low relief carving suggesting antlers. **Measurement:** 62.9 cm. **Notes:** DCM ledger: "American Indian, Umatilla" The mouthpiece is integrally carved from the basic tube and surrounded with an oval brass tube suggested by DCM to be from a rifle shell casing. Carved wooden flue cover possibly not original, it being less finely crafted than the carving at the end of the instrument. **Provenance:** Albert G. Heath, Chicago, 15 Apr. 1929. Digital image available
0847	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Winnebago) **Materials:** Tube, including integral mouthpiece, of unidentified wood. Lead bands, carved walnut flue cover, lead flue plate. **Keys Holes System:** 0/6 holes plus 4 vent holes. Vent holes, at bottom, each formed by drilling 2 round holes and then joining them with saw and/or knife cuts. **Physical Description:** Tube gouged from 2 halves, split, glued together and also further stabilized with inlaid lead bands, both simple perpendicular and decorative diamond pattern, 6 of the latter incorporate 1 fingerhole each. Saddle flue cover. **Measurement:** 64.35 cm. **Notes:** DCM ledger: "American Indian, Winnebago." **Condition:** Seams open due to shrinkage. **Provenance:** Albert G. Heath, Chicago, 15 Apr. 1929. Digital image available

Unit Id	*Contents*
0848	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Black Foot) **Materials:** Unidentified wood, leather thongs, lead flue plate. Flue cover of medium hard wood. **Keys Holes System:** 0/6 holes. **Physical Description:** Tube gouged out of 2 halves glued and lashed together in 8 places. Flue cover carved in the form of a bear, and it is unusual in that it is both lashed and glued into position. **Measurement:** 61.3 cm. **Notes:** DCM ledger: "American Indian, Black Foot." **Provenance:** Albert G. Heath, Chicago, 15 Apr. 1929. Digital image available
0849	**Instrument Type:** Flute in C **Maker Name:** Firth Hall & Pond **Maker Place:** New York **Maker Date:** 1833-1847 **Materials:** Cocus, ivory cap and ferrules, barrel cover with nickel silver tube (likely not original), silver keys. **Keys Holes System:** 6 keys, saltspoon, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.1 cm. **Notes:** Cap with cork-setting mechanism. **Condition:** Head cracked, upper portion. **Provenance:** Horace T. Dyer, Cos Cob, Connecticut, 24 Apr. 1929. Digital image available
0850	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1811 **Materials:** Clear glass, frosted, faceted rock crystal cap with concave metal reflector. Cork plug. Silver keys, ferrules. **Keys Holes System:** 6 keys, round flat flaps, post and rod affixed to oval flanges, except for long F key, which has bassoon-like (parallel vertical metal plates) metal saddle, applied to body of instrument with 2 bolts (see DCM 1311). **Physical Description:** 4 sections. **Measurement:** 62.2 cm. **Notes:** Safety hook. **Case:** DCM ledger: "Case...covered with red morocco, bald Eagle in center of top, and gold border around all edges. Lined with cream white velvet in lower part and cream white satin in cover. Written with pencil on pine wood of cover, under lining: Rudolf Pressler." **Provenance:** Sumner Healey, New York, 26 Apr. 1929. Digital image available

Unit Id	*Contents*
0851	**Instrument Type:** Flute in C **Maker Name:** Carlo Palanca **Maker Place:** Torino **Maker Date:** 1719-1783 **Materials:** Boxwood, silver key. **Keys Holes System:** 1 key, trapezoidal, curved to fit pad seat. Pin in block. **Physical Description:** 4 sections, 5 corps de rechange. **Measurement:** 57.7 cm. (no. 1), 58.9 cm., 59.7 cm., 60.4 cm., 61.45 cm. (no. 5) **Notes:** Unlike most flutes with corps de rechange, the shortest one is marked no. 1. **Condition:** Upper body joint no. 1: warped, and has replacement upper tenon made of cocus or grenadilla; no. 2: warped and out of round, and has an unusual crack at the upper end which has been addressed in a curiously unsatisfactory manner. The upper shoulder has been cut down to receive a fragile ferrule made of boxwood!; no. 3: warped and out of round; no. 4: slightly warped and out of round; no. 5: quite warped and slightly out of round including a cracked upper tenon. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 3 May 1929. Digital image available
0852	**Instrument Type:** Flute in C **Maker Name:** Thomas Pearson **Maker Place:** London **Maker Date:** 1859-1891 **Materials:** Curly boxwood(?), ivory cap and ferrules, silver keys, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, pin in block. Foot joint pewter plugs over square metal plates for D#, C#, C. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.5 cm. **Condition:** Head joint, both sections, cracked. Upper section head joint lower end contains nickel silver ferrule as a crack repair attempt. Short F key has block replacement, upper side of key. **Provenance:** John T. Sheil, Walkden, near Manchester, England, 3 May 1929. Digital image available
0853	**Instrument Type:** Flute in C **Maker Name:** William Henry Potter **Maker Place:** London **Maker Date:** 1809-1814 **Materials:** Ebony, ivory head joint cap, cork-setting mechanism and ferrules, silver keys, metal-lined head. **Keys Holes System:** 6 keys, pewter plugs over metal-lined holes, foot to C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. This instrument likely had 3 interchangeable upper joints. **Measurement:** 67.6 cm. **Condition:** Head joint, both sections, cracked, repaired with black filler. G# key plug missing. F key block possibly a replacement. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 3 May 1929. Digital image available

Unit Id	*Contents*
0854	**Instrument Type:** Flute in C **Maker Name:** Monzani **Maker Place:** London **Maker Date:** ca. 1807-1829 **Materials:** Cocus. Wood cap and silver cork-setting mechanism. Silver keys and ferrules. **Keys Holes System:** 9 keys, pewter plugs (see Notes), pin in block. **Physical Description:** 3 sections, lower body and foot are one piece. With extra head joint. **Measurement:** 67.5 cm., 67.9 cm. **Notes:** See DCM 855. Ferrules decorated with flower motif. Key flaps contain integral bolt to receive leather pad applied with round nut containing 2 holes for application with 2-pronged nut driver. **Condition:** Upper body several cracks at metal-lined socket. Lower body, minor cracks at socket. Part of one long F key guide block broken off. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 3 May 1929.
0855	**Instrument Type:** Flute in C **Maker Name:** Monzani **Maker Place:** London **Maker Date:** ca. 1807-1829 **Materials:** Ebony(?), silver keys and ferrules. **Keys Holes System:** 9 keys, to low C, flat round pads secured by Monzani-style screw. Pin in block. **Physical Description:** 3 sections. **Measurement:** 67.65 cm. **Notes:** See DCM 854. Ferrules decorated with flower motif. **Case:** Case has compartment for two head joints. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 3 May 1929. Digital image available
0856	**Instrument Type:** Flute in A-flat **Maker Name:** Thomas Prowse **Maker Place:** London **Maker Date:** ca. 1832-1868 **Materials:** Boxwood, brass keys, wide fife-like brass ferrules. **Keys Holes System:** 4 keys (originally), round flap, pin in block. G# is a nickel silver replacement, and the F key is a nickel silver replacement with a replacement block of a darker wood, possibly cocus. **Physical Description:** 2 sections. **Measurement:** 39.25 cm. **Condition:** Head joint cracked at socket. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 3 May 1929. Digital image available

Unit Id	*Contents*
0857	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Materials:** Bamboo. **Measurement:** 5.8 cm., 17.8 cm., 35.6 cm. (shortest, longest, frame) **Notes:** Best image available. Some pipes stuck or glued in place. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 3 May 1929. Digital image available
0858	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Chippewa) **Materials:** Unidentified soft wood, leather thong. **Keys Holes System:** 0/6 holes plus 5 vent holes at bottom. **Physical Description:** Tube gouged out of 2 halves and glued together, without mouthpiece. Flue cover is simple wooden block. **Measurement:** 40.6 cm. **Notes:** DCM ledger: "American Indian, Chippewa." **Condition:** Original flue plate missing **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 6 May 1929. DCM ledger: "Obtained from Jim Gatcitcigishig." Digital image available
0859	**Instrument Type:** Flute in C **Maker Name:** Johann Christian Blume **Maker Place:** London **Maker Date:** 1800-1816 **Materials:** Head: cocus or rosewood, ivory cap, cork-setting mechanism and ferrules, brass-lined. Body, foot: ebony(?), silver keys, ivory ferrules. **Keys Holes System:** 6 keys, to low C. Pewter plugs in metal-lined toneholes, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.6 cm. **Notes:** DCM's Australian source for this composite flute knew it to have been in that form for a long period. **Condition:** Head joint, both sections, cracked, including all 3 ferrules. **Provenance:** Mrs. Ada Brathwaite, Melbourne, Australia, 16 May 1929. Letter to DCM: "This old flute belonged to my husband's great grandfather, Fredrick Brathwaite, who died Aug. 13, 1819." Digital image available

Unit Id	*Contents*
0860	**Instrument Type:** Bassett Recorder in G or A-flat **Maker Name:** Anonymous **Materials:** Boxwood, stained medium brown, brass double touch key and ferrules, and animal horn (originally ivory?) bottom ferrule. **Keys Holes System:** 1/7 holes plus 1 key, with double touch (key missing). **Physical Description:** 3 sections, windcap with blow hole, main body with holes 1/6 of the 1/7 holes, lower or bell section with hole 7 covered by a double touchpiece key and perforated fontanelle. **Measurement:** 81.35 cm. **Notes:** Of questionable origin, portions of which may be 17th century parts. Most of this instrument was probably crafted in the 19th century for decorative sales purposes. The fingerhole groupings and placement appear to have been drilled for that purpose and perhaps from a fanciful iconography source. See DCM 907. **Condition:** Windcap cracked. Main body slightly warped and cracked at block. Fontanelle cracked in 6 places. Lower portion of key missing. Bottom bell ferrule of animal horn broken into 3 remaining pieces. Currently replaced with painted laminated paper for exhibit use, 1992. **Provenance:** G. Hanken & Zoon, Rotterdam, 16 May 1929. Digital image available
0861	**Instrument Type:** Whistle (Duct Flute) **Maker Name:** Anonymous, Central American Indian **Materials:** Terracotta. **Keys Holes System:** 0 holes. **Physical Description:** In shape of unidentified torso, possibly animal or human. **Measurement:** 5.7 cm. **Notes:** DCM ledger: "Aztec Indian, Nahua." **Condition:** Parts (head and one limb) missing. **Provenance:** William Niven, Tampico, Mexico, 20 May 1929. Digital image available
0862	**Instrument Type:** Whistle (Huilacapiztli) **Maker Name:** Anonymous, Central American Indian **Materials:** Terracotta. **Keys Holes System:** 0 holes. **Physical Description:** In shape of bird, containing chamber, apparently to be filled with water. **Measurement:** 11.6 x 8.2 cm. **Notes:** DCM ledger: "Totonac Indian...from Vera Cruz." **Provenance:** William Niven, Tampico, Mexico, 20 May 1929. Digital image available

Unit Id	*Contents*
0863	**Instrument Type:** Flute (Fragment) **Maker Name:** Anonymous, Central American Indian **Materials:** Terracotta. **Keys Holes System:** Blow hole only remaining part of instrument. **Physical Description:** In shape of man's head(?). **Measurement:** 7.65 cm. **Notes:** DCM ledger: "Totonac Indian...from Vera Cruz." **Condition:** Element of the decorative head and head gear plus possibly part of the mouthpiece are broken off. **Provenance:** William Niven, Tampico, Mexico, 20 May 1929. Digital image available
0864	**Instrument Type:** Whistle (Duct Flute) **Maker Name:** Anonymous, Central American Indian **Materials:** Terracotta. **Keys Holes System:** 0/1 hole. Tail is mouthpiece, one fingerhole at front of body. **Physical Description:** In shape of bird, possibly rooster. **Measurement:** 8.4 cm. **Notes:** DCM ledger: Totonac Indian, from Panuco, Verz Cruz." **Condition:** Small piece of tail or mouthpiece is missing. **Provenance:** William Niven, Tampico, Mexico, 20 May 1929. Digital image available
0865	**Instrument Type:** Whistle (Duct Flute, Fragment) **Maker Name:** Anonymous, Central American Indian **Materials:** Terracotta. **Physical Description:** A duct flute, in the shape of an animal, with the mouthpiece in the mouth. **Measurement:** 5.8 cm. **Notes:** DCM ledger: "Totonac Indian, from Panuco, Vera Cruz." **Condition:** About 75% of the body portion is missing, appears to have been dome- or hump-shaped. **Provenance:** William Niven, Tampico, Mexico, 20 May 1929. Digital image available
0866	**Instrument Type:** Whistle (Duct Flute) **Maker Name:** Anonymous, Central American Indian **Materials:** Terracotta. **Keys Holes System:** 1/1 holes. One fingerhole on the top, large terminating hole at far end. **Physical Description:** In the shape of an animal. **Measurement:** 7.1 cm. **Notes:** DCM ledger: "Totonac Indian, from Panuco, Vera Cruz." **Condition:** Unidentified facial element broken off and missing. **Provenance:** William Niven, Tampico, Mexico, 20 May 1929. Digital image available

Unit Id	*Contents*
0867	**Instrument Type:** Whistle (Duct Flute) **Maker Name:** Anonymous, Central American Indian **Materials:** Terracotta. **Keys Holes System:** 0/1 hole. 2 holes for carrying cord. **Measurement:** 4.3 cm. **Notes:** DCM ledger: "Totonac Indian, from Panuco, Vera Cruz." **Condition:** Mouthpiece broken. **Provenance:** William Niven, Tampico, Mexico, 20 May 1929. Digital image available
0868	**Instrument Type:** Whistle (Duct Flute) **Maker Name:** Anonymous, Central American Indian **Materials:** Terracotta. **Keys Holes System:** 0/2 holes. Mouthpiece is tail, 2 eyes are fingerholes. **Physical Description:** Zoomorphic, possibly bird. **Measurement:** 7.8 cm. **Notes:** DCM ledger: "Totonac Indian, from Panuco, Vera Cruz." **Condition:** Missing right leg or wing. **Provenance:** William Niven, Tampico, Mexico, 20 May 1929. Digital image available
0869	**Instrument Type:** Fife in B-flat (Fife in C) **Maker Name:** Jacob Streulli **Maker Place:** Horgen **Maker Date:** second quarter 19c **Materials:** Boxwood, brass end ferrules. **Keys Holes System:** 0/6 holes, conical. **Measurement:** 36.5 cm. **Case:** DCM ledger: "Latten-brass tubular case with strap." Case has end-opening (hinged) top and is lined with felt. The case is nearly 4 centimeters longer than instrument and may have originally served to carry a scientific instrument or telescope. Each end has soldered to it a sheet metal ferrule, each distorted in 2 places to form a leather strap retaining loop. **Condition:** Upper end ferrule and instrument sidewall perforated with hole, possibly for carrying cord. **Provenance:** Henning Oppermann, Basel, 4 June 1929. Digital image available

Unit Id	*Contents*
0870	**Instrument Type:** Alto Flute in G **Maker Name:** Du Mont **Maker Place:** Paris **Maker Date:** -1692- **Materials:** Boxwood, brass key, ivory and bone ferrules and end cap (see Notes). **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 80.1 cm. **Notes:** The unusually plain ferrules and head joint cap may all be replacements, those on the foot joint and middle joint being of bone, with those on the head possibly of bone. See "Flute Misnomers" regarding Bass vs. Alto. **Condition:** The original head joint cap tuning screw is missing, and the upper 3 ferrules are all cracked, 2 of them in pieces. Three cracks at head joint socket. **Provenance:** G. Hanken & Zoon, Rotterdam, 12 June 1929. Digital image available
0871	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Engelbert Terton **Maker Place:** Amsterdam **Maker Date:** 1710-1752 **Materials:** Boxwood, stained brown, ivory ferrules and beak. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 50.7 cm. **Condition:** Head joint warped. Beak damaged at tip, both ivory and wooden block. Foot joint cracked at socket with ivory loss at edge of fingerhole. Chips missing from decorative turnings. **Provenance:** G. Hanken & Zoon, Rotterdam, 12 June 1929. Digital image available
0872	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Materials:** Ebony(?), wood cap and cork-setting mechanism, mother-of-pearl bushing at embouchure, end of cap, bushings for 6 principal fingerholes, and at silver ferrules. Silver keys, metal-lined head. **Keys Holes System:** 10 keys, square flaps, including unusual alternate G# for RH 1st or 2nd finger, pin in block. **Physical Description:** 4 sections. **Measurement:** 66.15 cm. **Condition:** Socket end of head contains both inner and outer brass lining tubes which appear to have been added as a repair attempt; upper tenon of the upper joint has been shaved down precariously thin to fit between those metal tubes. Likewise, its lower tenon and adjacent middle joint socket have a similar arrangement of metal tubing additions, the originality of which is not clear, and the middle joint tenon and foot joint socket share a similar design. Cap and ferrules are likely not original anyway. This instrument probably had ivory or bone in those places, one of which still exists at lower end of foot joint. **Provenance:** Sigmund Koch, Munich, 23 July 1929. Digital image available

Unit Id	*Contents*
0873	**Instrument Type:** Flute in C **Maker Name:** Freyer & Martin **Maker Place:** Potsdam **Maker Date:** ca. 1808-p1816 **Materials:** Boxwood, ivory cap with cork-setting mechanism, ivory ferrules, silver keys. **Keys Holes System:** 6 keys, square flaps, pin in block. **Physical Description:** 4 sections, 3 corps de rechange. **Measurement:** 63.05 cm., 62.3 cm., 61.4 cm. **Provenance:** Sigmund Koch, Munich, 23 July 1929. Digital image available
0874	**Instrument Type:** Flute in C **Maker Name:** J. Herold **Maker Place:** Würzburg **Maker Date:** mid 19c **Materials:** Boxwood, ivory embouchure bushing (original?), nickel silver keys and ferrules, wood crutch. **Keys Holes System:** Boehm system, open G#. Roller for C#, C. **Physical Description:** 3 sections, cylindrical. **Measurement:** 65.7 cm. **Notes:** Original crutch bracket flange covered with a second crutch bracket which takes a crutch having a threaded brass shaft. Extra upper C#-D trill key. **Condition:** Head joint boxwood cap is cracked. Body joint socket cracked and filled, foot joint cracked at socket. **Provenance:** Sigmund Koch, Munich, 23 July 1929. Digital image available
0875	**Instrument Type:** Flute in C **Maker Name:** Theobald Boehm **Maker Place:** Munich **Maker Date:** ca. 1854-1861 **Materials:** Cocus, nickel silver keys, ferrules, wood crutch (may belong to another flute). **Keys Holes System:** Boehm system, open G#. **Measurement:** 65.8 cm. **Notes:** DCM ledger: "Ferrules on two sockets with tightening screws…. Cap for head joint." **Condition:** Missing plaque (see DCM 177, bone and silver enamel trademark plaque). **Provenance:** Sigmund Koch, Munich, 23 July 1929. Digital image available

Unit Id	*Contents*
0876	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Soft wood, likely pine. Seam is covered with paper shims for most of the length. Lower end decorated with small colored feathers glued to exterior. **Keys Holes System:** 0/5 holes. 8 rectangular vent apertures. **Physical Description:** Tube carved of 2 halves, and incorporating knurl-like grooved ferrules where the object is lashed together. Carved bird's head at end. **Measurement:** 86.4 cm. **Notes:** DCM ledger: "Sioux." Mouthpiece end is painted turquoise, and the large bird's head end is painted black or charcoal with 2 yellow dots for eyes, and decorative turquoise painted dots. Flue cover carved in the form of steps. **Condition:** Flue plate is missing, probably lead. **Provenance:** Smith & Chandler, West Yellowstone, Montana, 3 Aug. 1929. Digital image available
0877	**Instrument Type:** Flute in C **Maker Name:** Thomas Longhurst **Maker Place:** New York **Maker Date:** 1833-1855 **Materials:** Cocus, ivory cork-setting mechanism, silver keys and ferrules. **Keys Holes System:** 9 keys, saltspoon, pewter plugs over square plates for low C#, C. **Physical Description:** 4 sections, tuning slide in head. English-style instrument. **Measurement:** 66.7 cm. **Condition:** Head joint, both sections, cracked. Lower joint cracks at socket, partially repaired with nickel silver ferrule. Foot cracked at socket. **Provenance:** Pierce's Old Book and Curio Shop, Berkeley, California, 12 Aug. 1929. Digital image available
0878	**Instrument Type:** Flute in C **Maker Name:** Monzani & Reed **Maker Place:** New York, Boston **Maker Date:** ca. 1838-1840 **Materials:** Cocus, silver keys, ferrules, head joint barrel veneer. **Keys Holes System:** 8 keys, saltspoon, pewter plugs over square metal plates for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66 cm. **Notes:** Head joint barrel is entirely sheathed with silver sheet metal. **Condition:** Barrel socket cracked, despite outer metal structure, head joint upper portion cracked. G# block broken off both sides, one repaired with flathead wood screws, the other replaced with brass attached with flathead wood screws. Long F key guide block broken and missing. Short F key block broken off and missing on one side. Replaced with brass post drilled out to receive pin. Foot joint and C# block for key flap broken off and missing. DCM ledger: "Two plug keys missing, replaced Dec. 1929, from Peloubet flute." **Provenance:** M. Earl, Oakland, California, 19 Aug. 1929. Formerly owned by Harry Bradley. Digital image available

Unit Id	*Contents*
0879	**Instrument Type:** Shinobue or Takebue (Transverse Flute) **Maker Name:** Anonymous **Materials:** Bamboo, stained brown and wrapped at ends with closely spaced rattan. The upper end stopper material is unknown, being highly painted at both ends. **Keys Holes System:** 0/7 holes. **Measurement:** 53.1 cm. **Notes:** Instrument has large embouchure (2.5 x 15.2 cm.). **Condition:** Small crack between holes 4 and 5. **Provenance:** Aoki-Taiseido Book Co. (Japanese store, sometimes recorded in DCM ledger as Aoki or Aoki Taisei-Do), San Francisco, 22 Aug. 1929. Digital image available
0880	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Materials:** Bamboo, painted black, bone mouthpiece and bottom ferrule, white and green design. **Keys Holes System:** 0/6 holes plus 2 tassel holes plus 2 vent holes. **Measurement:** 38.7 cm. **Provenance:** Chinatown, San Francisco, 23 Aug. 1929. Digital image available
0881	**Instrument Type:** Kuan (Double Reed Pipe) **Maker Name:** Anonymous **Materials:** Bamboo, stained dark brown, with incised red, white, green decoration. **Keys Holes System:** 1/7 holes. **Measurement:** 21 cm. **Provenance:** Chinatown, San Francisco, 23 Aug. 1929. Digital image available
0882	**Instrument Type:** Vertical Whistle Flute in B-flat **Maker Name:** Calura **Maker Place:** Germany **Maker Date:** 20c **Materials:** Steel with black and bronze powder enamel. **Keys Holes System:** 0/6 holes. **Physical Description:** Essentially the standard conical bore English-style penny whistle. **Measurement:** 34.95 cm. **Provenance:** Music store, San Francisco, 23 Aug. 1929. Digital image available
0883	**Instrument Type:** Ocarina **Maker Name:** Heinrich Fiehn **Maker Place:** Vienna **Maker Date:** 1876-1945 **Materials:** Black clay, bronze powder markings. **Keys Holes System:** 2/8 holes. **Measurement:** 8.85 x 2.55 cm. **Provenance:** Music store, San Francisco, 23 Aug. 1929. Digital image available

Unit Id	*Contents*
0884	**Instrument Type:** Ocarina [Missing] **Maker Name:** Heinrich Fiehn **Maker Place:** Vienna **Maker Date:** 1876-1945 **Materials:** Black clay, bronze powder markings. **Keys Holes System:** 2/8 holes. **Measurement:** 16.1 cm. **Provenance:** Music store, San Francisco, 23 Aug. 1929.
0885	**Instrument Type:** Flute in C **Maker Name:** C. Mahillon **Maker Place:** Brussels **Maker Date:** ca. 1878 **Materials:** Rosewood(?), silver-plated nickel silver for all metal parts. Metal-lined sockets with inner tuning slide in head joint socket. Ebonite at embouchure. **Keys Holes System:** Boehm system, closed G#, alternate low C# lever for left little finger. Roller for C. **Measurement:** 66.4 cm. **Notes:** DCM records the history of this flute in his ledger as told to him by Mr. W. C. McQuillen of Los Angeles on a visit 27 Oct. 1929: "Mr. McQuillen bought this flute from Max Lausberg of Los Angeles in Dec. 1883…. The flute probably came from Sherman & Clay. It was used by Mr. McQuillen for 10 to 12 years, in theaters, 'earning many dollars when I needed them.' … Mr. McQuillen sold flute to Chas. J. Ellis of Los Angeles…after Ellis's death his daughter disposed of it to Baxter-Northup…till sold to D.C.M. in 1929." **Condition:** Both sockets previously cracked, commercially repaired with wide nickel silver ferrules. Crack at socket, upper joint, to first trill key. DCM ledger: "Meindl put on the wide silver bands on head and foot, and also removed the rods and levers for operating the low C# key…original oval embouchure was made rectangular and lined with silver by Geo. W. Haynes, and later the present rubber bushing was put in." **Provenance:** Baxter-Northup Co., Los Angeles, 27 Aug.1929, obtained from the daughter of Charles J. Ellis, Los Angeles, a former owner of this flute. Also, formerly owned by Walter C. McQuillen and Max Lausberg, both of Los Angeles. Digital image available
0886	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Jicarilla Apache) **Materials:** Wood, lightly stained red. Wood flue cover, lead flue plate. Leather thongs. **Keys Holes System:** 0/4 holes. **Physical Description:** Two halves of a hollowed branch, glued and lashed together, geometrically carved wooden flue cover. **Measurement:** 41.6 cm. **Notes:** DCM ledger: "Jicarilla Apache, near Santa Fe." **Condition:** 2 thongs missing. All glue joints are loose. **Provenance:** Shop, Pasadena, California, 28 Aug. 1929. Digital image available

Unit Id	*Contents*
0887	**Instrument Type:** Panpipes (Sicu) **Maker Name:** Anonymous, South American Indian **Materials:** Bamboo, bound by bamboo. **Physical Description:** 6 pipes, closed by natural septum at lower end. **Measurement:** 18.6 x 48.25 cm. **Notes:** DCM ledger: "Aymaras, La Paz, Bolivia." **Condition:** Bamboo binding broken and out of position. **Provenance:** Whalen's Curio Store, Los Angeles, 30 Aug. 1929.
0888	**Instrument Type:** Panpipes (Sicu) **Maker Name:** Anonymous, South American Indian **Materials:** Bamboo, bound by bamboo. **Physical Description:** 7 pipes. **Measurement:** 18.2 x 54.2 cm. **Notes:** DCM ledger: "Aymaras, La Paz, Bolivia." **Condition:** Longest tube multi-cracked full length. Third and fifth longest pipes, and shortest are cracked. **Provenance:** Whalen's Curio Store, Los Angeles, 30 Aug. 1929.
0889	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous, South American Indian **Materials:** Bamboo. **Keys Holes System:** 0/5 holes. Elliptical hole shape. **Measurement:** 47.2 cm. **Notes:** DCM ledger: "Aymaras, La Paz, Bolivia." Top is rudimentary fipple and block. Foot, natural septum, punctured. **Condition:** Bark portion over block broken and missing. **Provenance:** Whalen's Curio Store, Los Angeles, 30 Aug. 1929. Digital image available
0890	**Instrument Type:** Flute in C **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** 1838-1847 **Materials:** Cocus, silver lip plate ferrule, silver keys, ferrules, metal-lined head. **Keys Holes System:** Boehm's 1832 system, Briccialdi thumb, open G#. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 66.45 cm. **Notes:** Lip plate ferrule engraved with floral leaf décor. **Condition:** Upper half of upper head joint is cracked. Cracks at foot joint socket. Small crack between upper trill key holes, previously pinned. Small crack near thumb key tonehole, previously pinned. Tiny crack beneath G# tonehole. **Provenance:** J. Clayton Boyes, Bushey, England, 6 Sept. 1929. Digital image available

Unit Id	*Contents*
0891	**Instrument Type:** Flute in C **Maker Name:** Chabrier Peloubet **Maker Place:** New York and Bloomfield, New Jersey **Maker Date:** 1829-ca. 1881 **Materials:** Cocus, silver-plated keys, ivory ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, pewter plug over square metal plates for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.75 cm. **Condition:** Head joint, both sections, cracked, including 2 ferrules. Middle joint socket cracked, chip missing, and ivory ferrule is a replacement. **Provenance:** Mrs. G. W. Andrews, Braintree, Massachusetts, 6 Sept. 1929. Digital image available
0892	**Instrument Type:** Tabor Pipe (Galoubet) **Maker Name:** J. Boeuf **Maker Place:** Marseille **Maker Date:** -1917- **Materials:** Cocus, copper ferrule. **Keys Holes System:** 0/3 holes. **Physical Description:** 2 sections, with extra body joint. **Measurement:** 30.2 cm., 31.4 cm. **Notes:** An unusual variation of the 2-piece tabor pipes, having all 3 holes on front of pipe and forming elliptical double holes for chromatic playing. The instrument appears professionally turned, although the tonehole cutting is quite crudely applied. It has a second body joint of shorter length, most likely for playing in a higher key. The shorter lower joint has a crudely cut (by hand) mortice and shoulder at the socket most likely to receive a ferrule, now missing. The longer upper joint also has such a mortice and shoulder of shorter length (possibly cut off) but more skillfully applied, likely while on the lathe. It does have a copper ferrule decorated with a stamping tool in its flat state before being formed into a ring and seamed. This may or may not have anything to do with this instrument originally. **Provenance:** Masspacher, Paris, 17 July 1929, through Harry V. Baxter (of Baxter-Northup Co., Los Angeles), received 6 Sept. 1929.
0893	**Instrument Type:** Flute in C **Maker Name:** Jean Baptiste Tabard **Maker Place:** Lyon **Maker Date:** 1812-1848 **Materials:** Ivory, silver keys and ferrules. Head joint partially metal-lined with tuning slide. **Keys Holes System:** 5 keys, flat oval flaps, articulated (hinged) for assured seating, post and rod mounted on shield-shaped flanges. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 61.5 cm. **Notes:** Foot joint had ivory register slide. **Condition:** Head joint, both sections, cracked. Original head joint cap replaced. Head joint upper ferrule a replacement. Foot joint ferrule a replacement. **Provenance:** Masspacher, Paris, 17 July 1929, through Harry V. Baxter (of Baxter-Northup Co., Los Angeles), received 6 Sept. 1929. Digital image available

Unit Id	*Contents*
0894	**Instrument Type:** Flute in F **Maker Name:** Buffet-Crampon **Maker Place:** Paris **Maker Date:** first quarter 20c **Materials:** Silver. **Keys Holes System:** Boehm system, closed G#. **Physical Description:** 2 pieces, body and foot are one piece. **Measurement:** 51.7 cm. **Notes:** Low pitch. **Provenance:** Masspacher, Paris, 17 July 1929, through Harry V. Baxter (of Baxter-Northup Co., Los Angeles), received 6 Sept. 1929. Digital image available
0895	**Instrument Type:** Flute in E-flat **Maker Name:** Louis Lot **Maker Place:** Paris **Maker Date:** ca. 1892 (after 1891) **Materials:** Wood, type unknown, described in DCM ledger: "Light wood. French polish." Material appears somewhat like rosewood (see Notes), silver keys, ferrules. **Keys Holes System:** Boehm system, conical, to low C (E-flat). Closed G# (B), Briccialdi thumb key, D-D# trill, roller for C#. **Physical Description:** 3 sections. **Measurement:** 56.85 cm. **Notes:** L. Lot catalogs from the period seem to offer only flutes of grenadilla or ebony. Lined sockets. DCM ledger: "In new condition, perfect. Never used. Possibly made ca. 1892." **Case:** Original case. **Provenance:** Masspacher, Paris, 17 July 1929, through Harry V. Baxter (of Baxter-Northup Co., Los Angeles), received 6 Sept. 1929. Digital image available

Unit Id	*Contents*
0896	**Instrument Type:** Flute in C **Maker Name:** Denis Noblet **Maker Place:** La Couture **Maker Date:** second half 19c **Materials:** Tortoise shell, nickel silver keys and ferrules. **Keys Holes System:** 5 keys, modern style key cups, post and rod, retaining traces of gilding. **Physical Description:** 4 sections. **Measurement:** 60.75 cm. **Notes:** In letter from Paris to DCM, from Harry V. Baxter, of Baxter-Northup, Los Angeles, 18 July 1929, Baxter says: "It is one I found at Leblanc factory in La Couture…. it is [by] Noblet, ancient name of the house on Mme. Leblanc's side. Leblanc says the flute came to him from Noblet...about 1869." It is unusual for an instrument of such luxurious material to incorporate what would be considered a key system and style associated with what became a budget-line flute model. **Case:** Original case, red velvet lining. **Condition:** Small chip of material missing from head joint. **Provenance:** Leblanc, La Couture, France, through Harry V. Baxter (of Baxter-Northup Co., Los Angeles), 6 Sept. 1929. Digital image available
0897	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Winnebago) **Materials:** Soft wood, stained clay red and decorated in 2 places with leather sleeves of colored beadwork (original?). Animal horn mouthpipe, lead flue plate. **Keys Holes System:** 0/5 holes plus 4 vent apertures at lower end. **Physical Description:** Tube carved in two halves, glued together and lashed with gut in 9 places. Simple saddle shape flue cover. **Measurement:** 65.4 cm. **Notes:** DCM ledger: "American Indian, Winnebago." The seam on each side is sealed with a glued-on strip of linen. **Condition:** Worm damage between fingerholes 2 and 3. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 28 Sept. 1929. Digital image available
0898	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Ute) **Materials:** Unidentified hard wood, stained yellow, and with carved and incised designs including a branch and leaf. Radiating lines encircling each fingerhole. **Keys Holes System:** 0/6 holes. **Physical Description:** Tube from 2 gouged halves of a split branch, glued and lashed together in 12 places with rawhide. Flue cover carved in the form of an unidentified animal, possibly otter, or armadillo. Each lashing terminates in long decorative fringe. **Measurement:** 54.1 cm. **Notes:** DCM ledger: "American Indian, Ute." Tube, with integral mouthpipe. One of the rawhide wrappings also secures the flue cover. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 28 Sept. 1929. Digital image available

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0899	**Instrument Type:** Flute in C **Maker Name:** Firth Pond & Co. **Maker Place:** New York **Maker Date:** 1847/48-1863 **Materials:** Cocus, silver-plated keys, ivory ferrules. **Keys Holes System:** 8 keys, modern style key cups, pewter plugs over round metal plates for C#, C. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.4 cm. **Condition:** Head joint, both sections, cracked, including one ferrule. G# mount chipped. Upper ivory ferrule on foot joint, a replacement. **Provenance:** Arthur Stringer, Portland, Oregon, 1 Nov. 1929. Digital image available
0900	**Instrument Type:** Flute in C **Maker Name:** Firth Pond & Co. **Maker Place:** New York **Maker Date:** 1847/48-1863 **Materials:** Boxwood, ivory cap and ferrules, brass keys. **Keys Holes System:** 4 keys, saltspoon, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.3 cm. **Provenance:** W. Brackenburg, La Jolla, California, 6 Nov. 1929. Digital image available
0901	**Instrument Type:** Flute in C **Maker Name:** Asa Hopkins **Maker Place:** Litchfield **Maker Date:** 1829-1837 **Materials:** Cocus, ivory cork-setting mechanism, silver keys and ferrules. **Keys Holes System:** 9 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.3 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** Roy Desmond Huxley, Cleveland, Ohio, 8 Nov. 1929. Digital image available
0902	**Instrument Type:** Flute d'amore in A **Maker Name:** James Wood **Maker Place:** London **Maker Date:** ca. 1799-1832 **Materials:** Ivory, silver keys and ferrules. **Keys Holes System:** 5 keys, round flat flaps with knurled design, pin in block. **Physical Description:** 4 sections. **Measurement:** 77.2 cm. **Provenance:** Harold Reeves, London, 15 Nov. 1929. Formerly in the collection of E. P. Warren, Lewes, Sussex, England. Digital image available

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0903	**Instrument Type:** Flute in C **Maker Name:** Gerock & Wolf **Maker Place:** London **Maker Date:** 1831-1832 **Materials:** Boxwood, ivory cap, cork-setting mechanism, and ferrules, silver keys, metal-lined head. **Keys Holes System:** 4 keys, square flat flap. Toneholes bushed with brass tubes. **Physical Description:** 4 sections, tuning slide in head. See Notes. **Measurement:** 60.15 cm. **Notes:** Three scribed lines on both the cork-setting mechanism and the head joint tuning barrel indicate that this flute may have had 3 corps de rechange. **Condition:** Head joint, both sections, widely cracked, including both ferrules. DCM ledger: "Received in perfect condition; head and barrel cracked Dec. 23, 1929." The average width of both cracks is nearly 3 millimeters and they both have been filled with what is apparently a homemade compound stained to nearly the color of the instrument but also passing through the corresponding cracks in the ivory ferrules. This is some of the most crude repair work in the Miller Collection and Miller's notes do not indicate that he was responsible. B-flat key spring broken. **Provenance:** Harold Reeves, London, 15 Nov. 1929. Formerly in the collection of E. P. Warren, Lewes, Sussex, England. Digital image available
0904	**Instrument Type:** Walking Stick Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Cocus, nickel silver keys, ferrules, bone pommel. **Keys Holes System:** 6 keys, round flat flaps. The keys are recessed into the wood with round flat key flaps and saltspoon touch pieces. The instrument has one curiously low-positioned lateral vent hole and will likely play best by removing the staff portion. **Physical Description:** 3 sections, head, body, and bottom staff. **Measurement:** 87.9 cm. **Condition:** Crack at body joint lower socket and pommel cracked. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 5 Dec. 1929. Digital image available

Unit Id	*Contents*
0905	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Materials:** Boxwood, ivory cap and cork-setting mechanism, keys, and ferrules. **Keys Holes System:** 4 keys, square flat flaps, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 61.2 cm. **Notes:** The cork-setting mechanism shaft and the tuning slide barrel each have 3 scribed lines indicating there may have been several corps de rechange, although the present one has no number. **Condition:** Head joint upper section cracked full length. The brass tuning slide was removed by DCM, although still present. He may have done so to initiate a crack repair, never completed. His notes also indicate that he revarnished the exterior and replicated the B-flat key, one of 2 keys missing. When he received the instrument, the other was the E-flat key, missing due to the block having broken off on both sides. DCM ledger: "Two keys missing; present short F and G#. Made new B-flat key. D# key gone, lugs broken." Barrel removed by DCM, barrel turned down to remove marks, revarnished. **Provenance:** W. Louis Chapman, Providence, Rhode Island, 12 Dec. 1929. Digital image available
0906	**Instrument Type:** Flute in C **Maker Name:** I. Ziegler **Maker Place:** Vienna **Maker Date:** 1821-p1895 **Materials:** Grenadilla, ivory head, silver crown, keys, and ferrules. **Keys Holes System:** 15 keys, modern style key cups, post and rod. Low C#, a metal plug and rollers. **Physical Description:** 3 sections, tuning slide in head, no separate foot joint. Cap and bottom ferrule cast and chased low relief decoration. **Measurement:** 78.95 cm. **Notes:** 15 keys, including left thumb alternate D#. Both sockets metal-lined. **Condition:** Head joint, both sections, cracked and filled. Lower joint socket cracked and filled. Plate at barrel missing. **Provenance:** Sumner Healey, New York, 14 Dec. 1929.

Unit Id	*Contents*
0907	**Instrument Type:** Bass Recorder in ? **Maker Name:** Anonymous **Materials:** Maple(?), stained dark, brass key and ferrules. **Keys Holes System:** 1 key, round, single touch, plus 1/7 holes. **Physical Description:** 3 sections. Appearing to be a turn of the 18th century bass recorder, this instrument is more likely a late 19th century instrument fabricated for amateur collector sales. See Notes. **Measurement:** 93.7 cm. **Notes:** The fingerhole placement has little or nothing to do with the overall length of the instrument and bears no relationship to Western woodwind design. It is therefore perhaps futile to estimate an intended pitch of this instrument, if any. **Condition:** A brass bocal (windpipe) inserted through the center of the windcap, now missing. Chips of wood missing from various wood turning beaded elements. A wooden mouthpiece similar to that of DCM 860 exists, but may in fact be another mouthpiece for DCM 860. The current low F key touchpiece and saddle are obviously replacements even if the instrument is as late as turn of the 20th century. **Provenance:** Henning Oppermann, Basel, 2 Jan. 1930. Digital image available
0908	**Instrument Type:** Walking Stick Flute in C **Maker Name:** Lambert **Maker Place:** Paris (See Notes.) **Maker Date:** second half 19c **Materials:** Boxwood, turned to appear as stylized bamboo, brass terminating ferrule and iron end pin. Wood pommel is inlaid with an animal horn disk and ring. **Keys Holes System:** 1 key, square flat flap, recessed into body of instrument. 2 large vent holes at bottom. **Physical Description:** 2 sections, head joint and combination body and terminating staff with 161 millimeter long tapered ferrule decorated with turned incised grooves. **Measurement:** 89.2 cm. **Notes:** Head joint cord holes are widely bushed with animal horn. While listed in Langwill under Lambert of Paris, the mark matches that of Lambert, ?Belgium, ?early 18c. **Condition:** One animal horn bushing is missing. **Provenance:** Sumner Healey, New York, 10 Jan. 1930. Digital image available

Unit Id	*Contents*
0909	**Instrument Type:** Flute in C **Maker Name:** Astor **Maker Place:** London **Maker Date:** ca. 1798-1800 **Materials:** Boxwood, ivory cap, key and ferrules. **Keys Holes System:** 1 key, square flap, pin in block. Ivory key possibly not original. **Physical Description:** 4 sections. **Measurement:** 60.95 cm. **Condition:** Head joint apparently suffered crack problems at an early stage. The initial large socket crack has been repaired with 4 large threaded cross pins followed by what would appear to be possibly later repairs of the same problem in the form of a brass wire winding between pins 2 and 3. This repair treatment was followed by a contemporary or possibly even later repair attempt utilizing a sheet brass ferrule (3.1 centimenters in length) which may also have been introduced to counteract wood loss at the socket now involving approximately 130 degrees of material cracked away and missing. Beneath the brass ferrule is a cracked ivory ferrule which may be original to this instrument, at least according to DCM. Foot joint socket crack extended to E-flat tonehole. The E-flat key block channel and pad seat appear to have been crudely enlarged and out of alignment. The ivory key may have been devised by a folk craftsman using an eaiser to work material to fill the enlarged space. Upper body warped. **Provenance:** Charlotte W. Hardy, Brewer, Maine, 20 Jan. 1930. Digital image available
0910	**Instrument Type:** Flute in C **Maker Name:** Firth Pond & Co. **Maker Place:** New York **Maker Date:** 1847/48-1863 **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.7cm. **Condition:** Lower body joint and foot joint, cracked at sockets. **Provenance:** Mrs. Charles G. Franklin, Detroit, Michigan, 6 Jan. 1930. Digital image available

Unit Id	*Contents*
0911	**Instrument Type:** English Patent Double Flute Flageolet **Maker Name:** William Bainbridge **Maker Place:** London **Maker Date:** ca. 1821-1831 **Materials:** Boxwood, ivory caps, mouthpiece, ferrules, fipple stock caps, silver keys. **Keys Holes System:** Left: 0/6 holes plus 4 keys and a 5th key for high C (but for left thumb, instead of LH 1st finger) on the left fipple stock, and hole 1 plugged for half hole vent with ebony. Right: 0/4 holes (hole 4 covered with open-standing key) plus 3 keys. Each pipe terminates with an added lateral vent hole. The left pipe fipple stock includes a cut-off key to be operated by (apparently) either lip or nose. **Physical Description:** An English double flageolet, redesigned to be played in transverse form, having a lateral ivory mouthpiece entering the right tube fipple stock and connecting via a boxwood pipe to the left tube fipple stock. **Measurement:** 60 cm. **Notes:** Also on lower body: (United Kingdom coat of arms) / NEW / PATENT. Key and mouthpiece marked. **Provenance:** W. Howard Head, London, 8 Feb. 1930. Digital image available
0912	**Instrument Type:** Piccolo in C(?) **Maker Name:** Samuel Arthur Chappell **Maker Place:** London **Maker Date:** 1871-1901 **Materials:** Cocus, nickel silver keys, ferrules. **Keys Holes System:** 6 keys, round flaps, post and rod. **Physical Description:** 2 sections. **Measurement:** 28.5 cm. **Provenance:** William Powell, Birmingham, England, 8 Feb. 1930. Digital image available
0913	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Southern Ute) **Materials:** Unidentified wood, lead flue plate lashed with rawhide stained yellow with long fringe, 1 strand with fur, 2 are braided, 2 with blue feathers. **Keys Holes System:** 0/6 holes. **Physical Description:** Tube and integral mouthpipe gouged out of 2 halves of a split branch, glued and lashed together. Decorated with: shallow carved, incised, and painted designs including a heart, dots, illuminated cross applied with ink or stain. Cover in form of a house (?). **Measurement:** 72.9 cm. **Notes:** DCM ledger: "Southern Ute." **Provenance:** Mike Kirk, Mannelito, New Mexico, 14 Feb. 1930 Digital image available

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0914	**Instrument Type:** Flute in C **Maker Name:** Alfred G. Badger **Maker Place:** New York **Maker Date:** ca. 1880-1892 **Materials:** Silver tube, ebonite head, silver-plated brass keys, ebonite LH finger rest, gold shield on barrel. **Keys Holes System:** Boehm system, open G#, foot to C. **Measurement:** 66.2 cm. **Notes:** Thinned ebonite head joint. **Provenance:** Baxter-Northup Co., Los Angeles, 1 Mar. 1930. Digital image available
0915	**Instrument Type:** Flute in C, Left-Handed **Maker Name:** William Sherman Haynes **Maker Place:** Boston **Maker Date:** ca. 1906 **Materials:** Grenadilla, gold-plated silver keys, ferrules. **Keys Holes System:** Boehm system, for the left hand, to low C, Briccialdi thumb, closed G#. C# trill, roller for C#, C. **Measurement:** 68.2 cm. **Notes:** In addition to the standard crutch (for the RH in this case), the instrument also has an added crutch mount for the other hand. **Condition:** One crutch missing. **Provenance:** Wilfrid T. Badger, Lowell, Massachusetts, 1 Mar. 1930. Digital image available

Unit Id	*Contents*
0916	**Instrument Type:** Flute in C **Maker Name:** Johann Joachim Quantz **Maker Place:** Berlin **Maker Date:** ca. 1740 **Materials:** Ebony, silver keys, ivory ferrule, ivory and metal ferrule, and silver/ivory/wood/brass foot joint ferrule. **Keys Holes System:** 2 keys (E-flat, D#), square flaps. The current key springs are of tempered steel and attached with roundhead steel screws. A=385. **Physical Description:** 4 sections, conical, tuning slide in head, plus 5 extra corps de rechange. **Measurement:** 66.1 cm., 66.6 cm., 67.6 cm., 68.5 cm., 68.9 cm., 69.8 cm. **Notes:** The head joint contains the Quantz model wooden tuning slide which incorporates a brass socket liner. Great degree of undercutting on the embouchure. On foot, the thick inner brass ring is not visible when flute is assembled, and is found under the ivory mount. See Mary Oleskiewicz, "A Museum, a World War, and a Rediscovery: Flutes by Quantz and Others from the Hohenzollern Museum," Journal of the American Musical Instrument Society 24 (1998): 107-145; and, Mary Oleskiewicz, "The Flutes of Quantz: Their Construction and Performing Practice," The Galpin Society Journal 53 (April 2000): 201-220. **Case:** Case, decorated porcelain casket with gilded hardware. **Condition:** Brass lining for tuning slide missing, but evidence of glue and threads remain. Two cracks in upper head section. Ebony chips missing from inside of foot joint socket. Foot joint ivory ferrule cracked in 3 places, small crack inside lower body socket. **Provenance:** This flute belonged to Frederick the Great; after his death it was presented by his successor King Frederick William II to his minister, Johann Christoph von Wöllner (Woellner). It was then in the possession of the Itzenplitz family and it was preserved at Cunersdorf Castle from ca. 1801-1929. In 1929, Marie Waleska von Arnim (née von Oppen) inherited the flute and it was sold to Miller by her husband, Dr. Achim von Arnim, through Jacques Rosenthal, Munich, 1 Mar. 1930. Digital image available
0917	**Instrument Type:** Flute in C **Maker Name:** Johann August Crone; Johann Wolfgang Hoe **Maker Place:** Leipzig; Hof **Maker Date:** 1766/68-p1829; a1762-p1772 **Materials:** Ebony(?), ivory cap and ferrules, silver key. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 sections, plus extra upper body joint. Two upper body joints from different instruments. See Notes. **Measurement:** 62 cm., 63 cm. (both without cap) **Notes:** This instrument is a composite of possibly 3 instruments. The foot and lower body are by Hoe, the one upper body by Crone, and the faint stamping on the head joint may say Crone. According to Ardal Powell, the shorter upper joint likely not by Crone. **Case:** With this instrument, DCM received a period case, made of papier mâché in a vertical form, with 4 tubular compartments, and a tall cap which slides over the bottom portion. The case is covered with vellum which has been imprinted with a repetitive green diamond and floral motif. 250 x 116 x 72 cm. **Condition:** Head joint cap warped. Head joint several cracks at socket. **Provenance:** Charles Fischer, Budapest, 4 Mar. 1930. Digital image available

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0918	**Instrument Type:** Csakan(y) (Flageolet) **Maker Name:** [Attributed to I. Ziegler] **Maker Place:** [Vienna] **Materials:** Hard rubber (ebonite), ivory head joint, wooden embouchure cap and bell (original?), silver keys, ferrules, tuning slide, and name plaques. **Keys Holes System:** 1/7 holes (hole 7 covered with key) plus 12 keys, one, as mentioned, for RH little finger. **Physical Description:** 4 sections. **Measurement:** 50.2 cm. **Notes:** This is a deluxe model instrument with elegant minute keywork attached via oval flanges. All fingerholes are bushed with silver. The 2 RH little finger keys (D#, low C, depending on lay of instrument) have elegantly executed rollers as well as 2 of the LF little finger keys (long F and low C#). The labium edge is veneered with silver attached with silver rivet. The instrument has a period case which supports the original existence of a small clarinet-shaped bell and a small hat-shaped embouchure cap which were surely of the same material as the body joint. However, those elements now with the instrument are somewhat crudely made of (possibly) stained walnut or mahogany and slightly undersized regarding their compartments in the case. The ferrules on the apparently replacement bell and embouchure cap may have been retained from those original items. DCM ledger: "[I:ZIEGLER / WIEN]." The DCM ledger hints at possibility of this instrumennt being made by Ziegler, and cites a Ziegler fingering chart for such an instrument. **Case:** Period case. The case for the instrument stores it in 3 parts, body, bell and head joint, and includes a wooden tool or dowel apparently for removing the block. **Condition:** Cap and bell obviously not original. Ivory head joint cracked in 3 places. **Provenance:** Charles Fischer, Budapest, 4 Mar. 1930. Digital image available
0919	**Instrument Type:** Furulya (Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Hungary **Materials:** Wood. **Keys Holes System:** 0/6 holes. **Physical Description:** Bored, turned wood, with holes burned in. **Measurement:** 30.7 cm. **Condition:** Chips of wood missing from turned decoration. **Provenance:** Charles Fischer, Budapest, 4 Mar. 1930. Digital image available
0920	**Instrument Type:** Furulya (Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Hungary **Materials:** Wood. **Keys Holes System:** 0/6 holes. **Physical Description:** Bored, turned wood, with holes burned in. **Measurement:** 39.2 cm. **Condition:** Chips of wood missing from turned decoration near bottom. **Provenance:** Charles Fischer, Budapest, 4 Mar. 1930. Digital image available

Unit Id	*Contents*
0921	**Instrument Type:** Furulya (Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Hungary **Materials:** Wood. **Keys Holes System:** 0/6 holes. **Physical Description:** Bored, turned wood, with holes burned in. **Measurement:** 49.3 cm. **Condition:** Little chip missing from turned decoration. **Provenance:** Charles Fischer, Budapest, 4 Mar. 1930. Digital image available
0922	**Instrument Type:** Flute in C **Maker Name:** W. J. Davis **Maker Place:** New York **Maker Date:** 1839-1843 **Materials:** Cocus, including head joint cap and cork-setting mechanism. Silver keys, ferrules, and decorative disk at cap, metal-lined head. **Keys Holes System:** 8 keys, saltspoon. Pewter plugs for low C#, C, with rectangular pad seat plates. Large (Nicholson) toneholes, including embouchure hole. Pin in block. Reverse springs: the shorter keys, including B-flat, G#, F, and E-flat each have 2 flat springs, the second being a reverse upward pressure spring screwed to the instrument in the key track. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.9 cm. **Condition:** Head joint, both sections, cracked. Head joint upper section crack has been filled and has an old repair attempt consisting of a crack filler and 4 silver or nickel silver cross pins, 3 of them blind and the 4th (highest) does show on both ends, possibly a mistake. The pin ends appear not to be filed off flush with the exterior, and the resulting gap has been filled with stick shellac. Foot joint, the end of the E-flat/C/C# key block contains what appears to be 2 pins applied as a pre-pinning crack prevention device. **Provenance:** Alfred M. Uhler, Concord, Massachusetts, 10 Mar. 1930. Digital image available
0923	**Instrument Type:** Flute in C **Maker Name:** Meacham & Pond **Maker Place:** Albany **Maker Date:** 1828-1860 **Materials:** Cocus, silver keys, ivory ferrules. **Keys Holes System:** 6 keys, saltspoon, pin in block. **Physical Description:** 4 sections. Upper head joint section has closely spaced decorative turnings similar to many Scottish pipes. **Measurement:** 60.2 cm. **Condition:** Head joint, both sections, cracked full length. **Provenance:** Alfred M. Uhler, Concord, Massachusetts, 10 Mar. 1930. Digital image available

Unit Id	*Contents*
0924	**Instrument Type:** Piccolo in E-flat **Maker Name:** Heinrich Friedrich Meyer **Maker Place:** Hannover **Maker Date:** 1848-early 20c **Materials:** Grenadilla, ivory head joint (upper portion), nickel silver end cap, keys, and ferrules. Head joint fully metal lined. **Keys Holes System:** 6 keys, round flaps, post and rod on oval flanges. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 25.6 cm. **Condition:** Head joint, ivory portion and barrel, cracked. **Provenance:** F. Delcomyn, St. Louis, Missouri, 12 Mar. 1930. Digital image available
0925	**Instrument Type:** Flute in C **Maker Name:** Firth Hall & Pond **Maker Place:** New York **Maker Date:** 1833-1847 **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 60.55 cm. **Provenance:** Norval Stewart, Binghamton, New York, 17 Mar. 1930. Digital image available
0926	**Instrument Type:** Flute in C **Maker Name:** Julius Max Bürger **Maker Place:** Strasbourg **Maker Date:** 1881-1904 **Materials:** Cocus, nickel silver. **Keys Holes System:** Boehm system, conical, closed G#. **Measurement:** 67.85 cm. **Condition:** Head joint cracked. **Provenance:** Baxter-Northup Co., Los Angeles, 20 Mar. 1930. Digital image available

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0927	**Instrument Type:** Flute in C **Maker Name:** Charles G. Christman **Maker Place:** New York **Maker Date:** 1823-1858 **Materials:** Boxwood, stained dark brown, brass keys, ivory ferrules. **Keys Holes System:** 4 keys, round flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 59.45 cm. **Notes:** Head joint from a different instrument, boxwood stained reddish brown. **Condition:** Head joint, small cracks at socket. B-flat key block broken off and missing one side. The RH joint has a groove cut into it around the circumference 4 millimeters above the shoulder at the tenon, purpose unknown. However, the E-flat key spring rivet or nub appears never to have been hammered flat and, when depressed, its protruding shape aligns exactly with that groove. The foot and lower body joints may have been stuck together at some point. An effort to separate them by rotating or twisting may have involved holding the key in its complete open position thereby marring the adjacent, as above. **Provenance:** H. A. Rhodes, Baltimore, Maryland, 21 Mar. 1930. Digital image available
0928	**Instrument Type:** Flute in C **Maker Name:** Hermann Wrede **Maker Place:** London **Maker Date:** 1837-1840 **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections, conical. **Measurement:** 61.7 cm. **Provenance:** Elizabeth M. Bacon, Roxbury, Massachusetts, 22 Mar. 1930. Digital image available
0929	**Instrument Type:** Flute in C **Maker Name:** Edward Baack **Maker Place:** New York **Maker Date:** 1837-1872 **Materials:** Boxwood, stained medium, ivory(?) cap and ferrules, brass key. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 59.95 cm. **Condition:** Lower body joint ferrule cracked. **Provenance:** L. Mack Close, St. Louis, Missouri, 20 Nov. 1939. Digital image available

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0930	**Instrument Type:** Flute in C **Maker Name:** Firth Hall & Pond **Maker Place:** New York **Maker Date:** 1833-1847 **Materials:** Boxwood (maple?), stained dark brown, ivory cap with cork-setting mechanism, ivory ferrules, brass keys. **Keys Holes System:** 6 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head joint. **Measurement:** 60.05 cm. **Condition:** Head joint, both sections, cracked entire length. **Provenance:** Whitlock's Book Store, New Haven, Connecticut, 27 Mar. 1930. Digital image available
0931	**Instrument Type:** Flute in C **Maker Name:** Anonymous, likely American, possibly English **Maker Date:** mid 19c **Materials:** Boxwood, brass key, bone ferrules. **Keys Holes System:** 1 key, shallow cup, pin (blind) in block. **Physical Description:** 4 sections. **Measurement:** 60.9 cm. **Notes:** A typical inexpensive-grade 1-keyed flute of the mid 19th century. In addition to physical damage (see Condition), this instrument has been restained medium to dark brown. The exterior shows evidence of it having been scraped with a sharp edged tool of some sort, purpose unknown. When acquired by DCM, a label accompanied the instrument which read: "One of Yea Old Timers from the War of 1812. Flute was used by Old Jeff Selden at Ft. Presque Isle Battle of Lake Erie 1813…. Selden was an old white settler in Erie County." This instrument appears to be later than the period implied in the story, and may be confused with another instrument, now lost. **Condition:** Head joint badly cracked at socket, lower body joint cracked at socket. Missing 3 ferrules plus nearly 90 degrees of the foot joint lower ferrule. **Provenance:** Nettie Lamport Lamb, Lake City, Minnesota, 1 Apr. 1930. Digital image available
0932	**Instrument Type:** Flute in C **Maker Name:** William Whiteley **Maker Place:** Utica, New York **Maker Date:** ca. 1810-p1854 **Materials:** Boxwood, ivory or bone cap, ferrules, brass key. **Keys Holes System:** 1 key, round flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.7 cm. **Provenance:** Mrs. L. O. Bullock, Richmond, Virginia, 3 Apr. 1930. Digital image available

Unit Id	*Contents*
0933	**Instrument Type:** Flute in E-flat **Maker Name:** Johann Christian Blume **Maker Place:** London **Maker Date:** 1787-1799 **Materials:** Boxwood, ivory cap and ferrules, silver key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 50.65 cm. **Condition:** Lower body joint warped near socket. **Provenance:** Whitlock's Book Store, New Haven, Connecticut, 5 Apr. 1930. Digital image available
0934	**Instrument Type:** Flute in C **Maker Name:** Friedrich Gabriel August Kirst **Maker Place:** Potsdam **Maker Date:** 1772-1804 **Materials:** Ebony, ivory cap, cork-setting mechanism and register, ivory ferrules, silver keys. **Keys Holes System:** 5 keys, square flaps, pin in block. **Physical Description:** 4 sections, foot to D. **Measurement:** 61.4 cm. **Notes:** Mark on foot: (Prussian eagle) / F.G.A. KIRST. / POTSDAM / (flower). Register: 4(?) **Condition:** Several cracks in head. Foot joint cracks in socket and both ferrules, and ivory portion of register. **Provenance:** F. D. Oppie, Winchester, Virginia, 14 Apr. 1930. Digital image available
0935	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Jicarilla Apache) **Materials:** Unidentified hard wood, leather thong, lead flue plate. Decorated with designs painted blue, yellow, and green including sunflowers, leaves, a snake. **Keys Holes System:** 0/6 holes. **Physical Description:** Tube, with integral mouthpipe, gouged out of 2 halves of a split branch, glued and lashed together. Tube lashed in 6 places, one also adhering the simply carved wood flue cover. Flue plate, shortened, attached with one leather thong, and forming the flue edge. Designs also outlined in pencil, perhaps left unfinished, including an arrow, a bird of prey, and (possibly) a boat. **Measurement:** 91.4 cm. **Notes:** DCM ledger: "Jicarilla Apache." **Provenance:** Fred Harvey, Albuquerque, New Mexico, 21 Apr. 1930. Digital image available

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0936	**Instrument Type:** Flute in C **Maker Name:** W. Milhouse **Maker Place:** London **Maker Date:** 1797-1822 **Materials:** Boxwood, lightly stained, brass key. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 sections. Inexpensive-grade instrument of the period. **Measurement:** 60.7 cm. **Condition:** Foot joint and lower body joint sockets cracked. **Provenance:** H. J. Klasky, Plymouth, Massachusetts, 5 May 1930. Digital image available
0937	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Materials:** Rosewood(?), silver-plated cap, lip plate, keys, tenon ferrules, engraved socket ferrules, and fingerhole bushings, metal-lined head. **Keys Holes System:** 8 keys, shallow saltspoon, English style with Nicholson-like fingerholes, pewter plug over round metal plates for low C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66 cm. **Condition:** Head joint, both sections, cracked. Lip plate detached. **Provenance:** G. Meriggioli, Seattle, Washington, 7 May 1930. Digital image available
0938	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Kickapoo Tribe) **Materials:** Bamboo. **Keys Holes System:** Square hole cut in tube, near middle. **Physical Description:** Tube with an artificial septum to form windway divider. Decoration includes 3 wavy lines, and a snake, cut by light incised lines. Tube pierced at bottom for carrying or hanging cord. **Measurement:** 35 cm. **Notes:** DCM ledger: "Kickapoo Tribe." **Condition:** Two cracks at flue. Flue cover missing, original design unknown. **Provenance:** Albert G. Heath, Chicago, 7 May 1930. Digital image available
0939	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Kichai Tribe) **Materials:** Bamboo, slender tube, with quill flue cover. **Measurement:** 45.4 cm. **Notes:** DCM ledger: "Kichai Tribe." **Condition:** Cracked. **Provenance:** Albert G. Heath, Chicago, 7 May 1930. Digital image available

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0940	**Instrument Type:** Whistle **Maker Name:** Anonymous, North American Indian (Utsehta or Little Osage) **Materials:** Branch, 3 strips of braided grass tied to tube by four strips of thong. **Physical Description:** A partially bored-out branch of hardwood, lower end cut to suggest a bird's beak. DCM ledger: "An opening is cut in side of tube, 7 inches from upper end. A piece of quill(?) is tied with sinew, to form the 'lip' of the pipe." **Measurement:** 63.9 cm. **Notes:** DCM ledger: "Utsehta or Little Osage." **Condition:** Red painted decoration now nearly invisible. **Provenance:** Albert G. Heath, Chicago, 7 May 1930. Digital image available
0941	**Instrument Type:** Ribbon Reed Instrument **Maker Name:** Anonymous, North American Indian (Kwakiutl Tribe, British Columbia) **Materials:** Pine. **Keys Holes System:** 0 holes. **Physical Description:** Hollowed box of pine with a flat cover formed from a slab which was split off from the larger section. **Measurement:** 17.55 cm. **Notes:** DCM ledger: "Kwakiutl Tribe, British Columbia." [and] "A wind passage is formed, and, a strip of bark is bound between the top and bottom, so as to be vibrated by blowing." **Provenance:** Albert G. Heath, Chicago, 7 May 1930. Digital image available
0942	**Instrument Type:** English Double Flageolet (C Flageolet) **Maker Name:** Thomas Scott **Maker Place:** London **Maker Date:** a1806-p1810 **Materials:** Stained boxwood, ivory ferrules, mouthpiece, and finger studs, silver keys. **Keys Holes System:** 1/7 holes. With keys (see Notes), square flaps, pin in block. **Physical Description:** 2 sections, main body including fipples and blocks, plus wind cap with center air conduit possibly meant to receive a sponge. **Measurement:** 43.1 cm. **Notes:** This instrument is possibly an early version of the model in Scott's patent of 1806 (#2995). However, it is missing at least 2 elements therein described, one being double holes for chromatics, and the other being a patented tuning shade or awning which would have covered the fipple windway edge partially, slightly lowering the pitch. However, this instrument does have other elements cited in the patent, viz., 2 bores drilled through one piece of wood with the main or melody pipe located on top and consisting of 8 fingerholes (1/7 holes). The RH little finger also operated a key which in turn moves a thin metal rod vertically through the entire lower bore and caps off the block for the lower fipple to create a single flageolet, or, if played as a double, that key is not used and the lower pipe utilizes one right thumbhole, 2 RH thumb keys (G, A), and 2 LH little finger keys (F, B). **Condition:** Main body warped, and has 4 cracks, one being cross-grain. **Provenance:** W. Howard Head, London, 9 May 1930. Digital image available

Unit Id	*Contents*
0943	**Instrument Type:** Flute in C **Maker Name:** Schröder **Maker Place:** London **Maker Date:** ?early 19c **Materials:** Boxwood, stained dark brown, ivory cap (missing) and ferrules, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 59.6 cm. **Condition:** Head joint cracked full length. Cap missing. **Provenance:** Norval Stewart, Binghamton, New York, 13 May 1930. Digital image available
0944	**Instrument Type:** Fife in A-flat (B-flat) **Maker Name:** Walter Crosby **Maker Place:** Boston **Maker Date:** 1830-1872 **Materials:** Rosewood(?), end ferrules with decorative (floral) engraving. **Keys Holes System:** 0/6 holes. **Physical Description:** 1 piece. **Measurement:** 44.45 cm. **Provenance:** N. C. Godsoe, of Dickinson's Old Curiosity Shop, Boston, 17 May 1930. Digital image available

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0945	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Johann Benedikt Gahn **Maker Place:** Nuremberg **Maker Date:** 1698-1711 **Materials:** Ivory. **Keys Holes System:** 1/7 holes. **Physical Description:** The traditional 3 sections, divided. See Notes. **Measurement:** 48.5 cm. **Notes:** Highly carved and filled with black ink. Carved with floral design, fruit, leaves, and birds. This recorder is unusual in that the head joint is made of 2 sections, which are joined with machine threads and likewise the foot joint is comprised of 3 sections, the middle and lower 2 of which are also joined with machine threads. However, the foot joint upper section, which contains the little finger tonehole, may have originally contained the female threads joining it to the middle portion in the same way. However, if so, the threading may have been damaged and altered to its present state which is a tenon and socket (tenon on middle section) which is lapped with thread or twine. **Condition:** None of the 3 (or 2) machine threaded devices is still workable, the male sections having both shrunk and broken off to some extent. The edge is chipped and damaged, but still somewhat playable. However, the head joint upper section was clearly split into 2 large portions which were rejoined temporarily by Robert Sheldon using the acrylic adhesive B72 (for exhibition purposes). Ivory chips missing at beak. This instrument was included in the Music Division exhibition, "In Praise of Music," in 1992 and was treated cosmetically at that time. The middle portion of the foot joint was curiously missing a slab of ivory not broken away but intentionally removed, creating a flat surface as the result of a saw cut, purpose unknown. A portion of ivory was added by Robert Sheldon using an alophatic adhesive and left slightly oversize to be further finished or worked as desired, or removed. **Provenance:** Antique Art Galleries, London, 2 June 1930. Digital image available
0946	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Materials:** Boxwood, darkly stained. **Keys Holes System:** 3/0 holes. **Physical Description:** Short one piece fipple flute similar to Picco Pipe but with all three fingerholes on top. See DCM 128, 136, 1399. **Measurement:** 8.8 cm. **Provenance:** W. Howard Head, London, 2 June 1930. Digital image available

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0947	**Instrument Type:** English Flageolet in ? **Maker Name:** Henry Hastrick **Maker Place:** London **Maker Date:** 1837-1855 **Materials:** Rosewood or cocus(?), silver keys, finger studs, silver knurled and embossed ferrules, mother-of-pearl or shell mouthpiece. **Keys Holes System:** 0/7 holes (hole 7 is covered by a key) plus 5 keys (high C, B-flat, G#, F, D#, low C#), flat round flap, pin in block. **Measurement:** 51.6 cm. **Condition:** Half-hole vent partially filled. Fipple joint socket cracked. **Provenance:** W. Howard Head, London, 2 June 1930. Digital image available
0948	**Instrument Type:** Flute in C **Maker Name:** Geib & Walker **Maker Place:** New York **Maker Date:** 1829-1843 **Materials:** Boxwood, possibly maple. Bone, possibly ivory, cap and ferrules, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.3 cm. **Notes:** Geib & Walker were musical instruments importers and dealers. **Condition:** Head joint cracked, foot cracked at socket. **Provenance:** Ernest Ritter Antiques, Erie, Pennsylvania, 18 June 1930. Ritter bought flute from Mrs. Brown, near Erie, Pennsylvania, who reported that it belonged to her grandfather, one of the early settlers of Erie County. Digital image available

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0949	**Instrument Type:** Flute in C **Maker Name:** Augustin Grenser I **Maker Place:** Dresden **Maker Date:** 1789 **Materials:** Ebony, ivory cap, cork-setting mechanism, register slide and ferrules, silver keys. **Keys Holes System:** 4 keys(?), square flat flaps. It is nearly certain that this was a 4-key instrument. See Notes and Condition. **Physical Description:** 4 sections. **Measurement:** 60.05 cm. **Notes:** The block for the G# mount was broken off and has been filed away to receive a substitute, likely metal replacement saddle, also missing. It is also possible that the G# key was an addition in that there is very little wood mass in the baluster to support such a key block. Furthermore, the G# hole placement is rather clumsy in that it is very close to the decorative bead at the bottom of the baluster and very coarsely executed. The area of the missing F key has been damaged and crudely morticed to receive what may have been a metal flange supporting a key mount of unknown design applied with 2 steel pins or screws, one of which is still present. Most likely this joint had no keys and is from a Grenser 1-keyed instrument, this flute being a mixture of 2 instruments. It likely had 3 corps de rechange, and if the present upper body joint marked 3 is one of them, the others may or may not have had the B-flat key. See Condition. **Condition:** G# and F key missing on the lower body joint. See Notes regarding key mounts. In addition, the E-flat key mount is broken off on one side and the spring is not original. **Provenance:** Prof. Dr. Schmehl-Kundsen, Martinez, California, 9 July 1930. Digital image available
0950	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Ivory. **Physical Description:** Carved ivory bust of a 16th or 17th century man wearing a ruff or collar. Perforated in the back of neck for carrying cord or neck strap. **Measurement:** 7.5 cm. **Condition:** Cracked at back of fipple block. **Provenance:** Antique Art Galleries, London, 30 July 1930. Digital image available
0951	**Instrument Type:** Flute in C **Maker Name:** Wood & Ivy **Maker Place:** London **Maker Date:** 1837-1847 **Materials:** Boxwood, wood cap with ivory cork-setting mechanism in metal-lined head, nickel silver keys, ferrules, metal-lined blocks. **Keys Holes System:** 6 keys, foot to C, pewter plugs, pin in metal-lined blocks. **Physical Description:** 5 sections. **Measurement:** 66.15 cm. **Condition:** B-flat key broken in 2 places, missing portions from both ends, including pewter plug. Lower body joint cracked at socket. E-flat key missing finger lever, low C key missing pewter plug, and foot joint missing bottom ferrule. **Provenance:** William Hayes, London, 30 July 1930. Digital image available

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0952	**Instrument Type:** Flute in C **Maker Name:** Robert Wolf & Co. **Maker Place:** London **Maker Date:** 1837-1840 **Materials:** Boxwood, nickel silver keys and ferrules. **Keys Holes System:** 4 keys, square flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.3 cm. (as is) **Condition:** DCM: "Cap missing." The instrument has a replacement cap of unknown origin. Missing foot joint lower ferrule. **Provenance:** William Hayes, London, 30 July 1930. Digital image available
0953	**Instrument Type:** Flute in C **Maker Name:** Robert William Evans **Maker Place:** London **Maker Date:** c1815-1839 **Materials:** Ebony(?), ivory bushing at embouchure, silver keys and ferrules, metal-lined head. **Keys Holes System:** 7 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.4 cm. **Notes:** Head joint embouchure bushing is obviously old or period inlay, but possibly not original. **Condition:** Head joint, both sections, cracked. Foot joint cracked at socket. **Provenance:** William Hayes, London, 30 July 1930. Digital image available
0954	**Instrument Type:** Flute in C **Maker Name:** Potter **Maker Place:** London **Maker Date:** ca. 1745-1823 **Materials:** Cocus. Cap and sockets are ivory covered with silver. Ivory cork-setting mechanism, silver keys and ferrules. **Keys Holes System:** 7 keys, square flaps. Foot to C#. **Physical Description:** 4 sections, with 2 additional corps de rechange. **Measurement:** 63.2 cm., 63.9 cm., 65.4 cm. **Notes:** Head joint wall thinned, except for short portions at socket, end cap, and a 3.3 centimeter length ferrule left full diameter at embouchure. **Condition:** Portion of C key guide missing. **Provenance:** William Hayes, London, 30 July 1930. Digital image available

Unit Id	*Contents*
0955	**Instrument Type:** Flute in C **Maker Name:** Astor & Horwood **Maker Place:** London **Maker Date:** 1815-1819 **Materials:** Ebony(?), ivory cap, cork-setting mechanism, and ferrules, silver keys. Head fully metal-lined. **Keys Holes System:** 6 keys, foot to C, pewter plugs over metal-lined holes. B-flat key a replacement, modern style key cups. Pin in brass-lined blocks. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.7 cm. **Condition:** Head joint, both sections, extremely cracked. The head joint upper section ferrule is missing and the tenon beneath it is cracked in 5 places and missing 40 percent of its circumference. The head joint lower section is complete but cracked and broken into 5 parts. **Provenance:** William Hayes, London, 30 July 1930 Digital image available
0956	**Instrument Type:** Flute in C, Left-Handed **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** 1824-1837 **Materials:** Cocus, ivory cap and ferrules, silver keys, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, pewter plugs over metal-lined holes for C#, C. Pin in block. Pre-cross pinned at the G# and D# key mounts. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.9 cm. **Condition:** Head joint, both sections, cracked. Foot joint ivory ferrule cracked, C# mount is partly replaced. Lower half of C# key is replacement. **Provenance:** William Hayes, London, 17 Sept. 1930. Digital image available
0957	**Instrument Type:** Flute in E-Flat (High Pitch) **Maker Name:** Henry Distin **Maker Place:** London **Maker Date:** 1850-1868 **Materials:** Cocus, nickel silver keys, ferrules. Metal-lined sockets. **Keys Holes System:** 8 keys, post and rod, direct mount, modern style key cups. Roller on low C. **Physical Description:** 4 sections, to low C. **Measurement:** 55.3 cm. **Notes:** DCM ledger: "Foot keys cross action like Boehm's early type (short F key is new)." The key action moves perpendicular to that of the finger lever. Very petite profile and key work. **Condition:** Head joint cracked. Cracks at all sockets. **Provenance:** William Hayes, London, 17 Sept. 1930. Digital image available

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0958	**Instrument Type:** Flute in C **Maker Name:** Christopher Gerock **Maker Place:** London **Maker Date:** 1805-1823 **Materials:** Figured boxwood, ivory cap, cork-setting mechanism, and ferrules, silver keys. **Keys Holes System:** 6 keys, foot to C, square flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 67.8 cm. **Notes:** Embouchure hole has been over-enlarged, by an amateur craftsman/player. **Condition:** Head joint slightly warped. F key block slightly cracked on one side at pin line. **Provenance:** William Hayes, London, 17 Sept. 1930. Digital image available
0959	**Instrument Type:** Flute in C **Maker Name:** William Prosser **Maker Place:** London **Maker Date:** late 18c **Materials:** Boxwood, stained, ivory cap and ferrules, silver key. **Keys Holes System:** 1 key, square flat flap. **Physical Description:** 4 sections. **Measurement:** 60.6 cm. **Provenance:** William Hayes, London, 17 Sept. 1930. Digital image available
0960	**Instrument Type:** Flute in C **Maker Name:** John Simpson **Maker Place:** London **Maker Date:** ca. 1830-1869 **Materials:** Cocus, silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, pewter plugs over square metal plates for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.75 cm. **Condition:** Head joint, both sections, cracked and filled. Lower body socket a replacement and now cracked. Long F key guide block lower side replaced and now missing. Small crack at foot joint socket. **Provenance:** William Hayes, London, 17 Sept. 1930.

Unit Id	*Contents*
0961	**Instrument Type:** Flute (See Notes.) **Maker Name:** Anonymous **Materials:** Ivory, nickel silver key, ferrules. **Keys Holes System:** 1 key, square flat flap, pin in nickel silver lined block. **Physical Description:** 4 sections, with two pieces each. **Measurement:** 54.7 cm. **Notes:** Nickel silver ferrules, 3 of which are definitely not original, and the 4th is questionable. Each of the 4 joints is made in 2 pieces, joined by a short machine-threaded tenon and socket. The threads are still extant in the head and foot, but the 2 corresponding places in the body joints may have had failed threads removed and now require wrapping. The unusual tenon and socket connection in each joint is decorated with ferrules consisting of shallow inlays of possibly red shellac set into circular designs possibly made as follows: an end cutter ground to cut both a circle with a center dot was likely used with a hand or pin device to a depth of a little less than a millimeter and filled with a red material yet to be determined. **Condition:** DCM ledger: "The length seems of peculiar proportions; the upper holes give E-flat LP, but the spacing of body holes more nearly matches C scale." Two sets of threads removed. See Notes. **Provenance:** Secondhand store, Christopher Pl., London, 5 Aug. 1930. Digital image available
0962	**Instrument Type:** Flute in C **Maker Name:** Dobner & Consort **Maker Place:** Strasbourg **Maker Date:** a1812-p1837 **Materials:** Figured boxwood, looking rather like maple, ivory cap, including boxwood cork-setting mechanism, and ivory ferrules, silver key. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 61.85 cm. **Notes:** Mark on lower: (angel bearing trumpets) / DOBNER / & / CONSORT / (angel bearing trumpets). This instrument had 2 or more corps de rechange, with No. 2 being the only one present. **Condition:** Crack in head joint with an apparent period repair utilizing 2 iron pins. **Provenance:** Pierre Hans, Brussels, 9 Aug. 1930.
0963	**Instrument Type:** Piccolo in C **Maker Name:** Dobner & Consort **Maker Place:** Strasbourg **Maker Date:** a1812-p1837 **Materials:** Boxwood, ivory end cap and ferrules, brass key. **Keys Holes System:** 1 key, modern key cup, post and rod mounted on flange. **Physical Description:** 3 sections: head, body, foot. **Measurement:** 32.5 cm. **Provenance:** Pierre Hans, Brussels, 9 Aug. 1930. Digital image available

Unit Id	*Contents*
0964	**Instrument Type:** Piccolo in E-flat **Maker Name:** Bühner & Keller **Maker Place:** Strasbourg **Maker Date:** p1802-ca.1844 **Materials:** Boxwood, ivory cap and ferrules, brass key. **Keys Holes System:** 1 key, square flap, pin in block. Pre-pinned with iron pins. **Physical Description:** 3 sections: head, body, foot. **Measurement:** 27.5 cm. **Notes:** Foot marked: BÜHNER / & / KELLER. The foot joint key block is prepinned with a threaded iron pin. The foot joint is curiously short beneath the E-flat tonehole and appears to have been shortened either as a repair or as a way of disguising a manufacturing mistake. The mortice for the ivory ferrule has simply been recut upward, partly obliterating the maker name stamp. However, the ivory ferrule in that shortened location also seems to have taken part of the stamp ("Keller") suggesting that this alteration was done at the maker's shop. **Provenance:** Pierre Hans, Brussels, 9 Aug. 1930. Digital image available
0965	**Instrument Type:** Flute in C **Maker Name:** Charles Sax **Maker Place:** Brussels **Maker Date:** 1815-1852 **Materials:** Unidentified hard wood, stained brown, inlaid mother-of-pearl or shell in cap. Silver keys, lined sockets, and ferrules with delicate knurled beading. **Keys Holes System:** 8 keys, saltspoon, post and rod mounted on crescent flanges inlaid into body of instrument. Low C key mounted above C# key in single metal saddle similar to instrument of Drouet and Laurent. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.8 cm. **Condition:** Head joint, both sections, cracked. Lower joint and foot joint sockets cracked. Upper C guide post flange missing one screw. **Provenance:** George Cloetens, Brussels, 9 Aug. 1930. Digital image available
0966	**Instrument Type:** Flute in C **Maker Name:** Joseph Dupre **Maker Place:** Tournai **Maker Date:** a1820-p1850 **Materials:** Ebony, ebony cap with ivory disk inlay, brass liner in head joint. Silver keys, ivory ferrules. **Keys Holes System:** 5 keys, modern style key cups, post and rod on crescent-shaped flanges. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 62.35 cm. **Condition:** Head joint, both sections, cracked. Lower body joint slight crack at socket. C key finger lever a nickel silver replacement made by DCM. **Provenance:** George Cloetens, Brussels, 9 Aug. 1930. Digital image available

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0967	**Instrument Type:** Csakan(y) (Flageolet) **Maker Name:** Anonymous **Maker Place:** Germany **Maker Date:** 1929 **Materials:** Grenadilla, nickel silver key and ferrule. **Keys Holes System:** 1/7 holes with one key (D#); original thumbhole appears to have been plugged (nickel silver) and then redrilled 9 millimeters higher and reduced in diameter with a nickel silver tube. **Physical Description:** 3 sections. **Measurement:** 51.45 cm. **Provenance:** Julius Heinrich Zimmermann, Leipzig, Germany, 19 Aug. 1930. Digital image available
0968	**Instrument Type:** Csakan(y) (Flageolet) **Maker Name:** Anonymous **Materials:** Grenadilla, nickel silver keys, ferrules. **Keys Holes System:** 0/7 holes plus 6 keys, modern post and rod (pins not screws). Elevated fingerhole 7 incorporates elevated block. **Physical Description:** 3 sections: bell, body, and head or fipple joint. **Measurement:** 34.85 cm. **Provenance:** Julius Heinrich Zimmermann, Leipzig, Germany, 19 Aug. 1930. Digital image available
0969	**Instrument Type:** Vertical Whistle Flute (Tilinko) **Maker Name:** Anonymous **Materials:** Unidentified close-grain tropical black wood. **Keys Holes System:** 0/6 holes. **Measurement:** 29.7 cm. **Notes:** DCM ledger: "Tilinko. Hungarian Shepherd's Flute." Not a typical example of folk craftsmanship. It is skillfully turned, resembling the work of a professional recorder maker, including a reasonably well-fitted block. **Provenance:** Julius Heinrich Zimmermann, Leipzig, Germany, 19 Aug. 1930. Digital image available

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0970	**Instrument Type:** Double Flageolet **Maker Name:** Alois Hörl **Maker Place:** Leipzig **Maker Date:** ca. 1930 **Materials:** Grenadilla, bone mouthpiece, nickel silver keys, ferrules, thumb hook. **Keys Holes System:** Left pipe: 4/0 holes plus 1 key; right pipe: 4/0 holes plus 1 key plus thumb hook. **Physical Description:** "Fortuna" double flageolet: 5 pieces including mouthpiece, melody pipes, fipple stock, sponge chamber. **Measurement:** 37.3 cm., 30.6 cm. **Notes:** According to DCM, this instrument is a so-called "Fortuna," made by Alois Hörl, Zimmermann's maker. **Condition:** Mouthpiece cracked. Right tube thumb lever moved to lower position, the cutaway original position has been covered by stick shellac. **Provenance:** Julius Heinrich Zimmermann, Leipzig, Germany, 19 Aug. 1930. Digital image available
0971	**Instrument Type:** Flute in C **Maker Name:** Stengel **Maker Place:** Bayreuth **Maker Date:** 1805-1902 **Materials:** Boxwood, ivory cap and ferrules, brass keys. **Keys Holes System:** 6 keys, round flat flaps, pin in brass-lined blocks. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 61.6 cm. **Provenance:** Jacob Spaeth, Munich, 26 Aug. 1930. Digital image available
0972	**Instrument Type:** Flute in C **Maker Name:** Leonhard Lintner (Lindner) **Maker Place:** Augsburg **Maker Date:** 1819-1864 **Materials:** Ebony(?), silver keys, ferrules. **Keys Holes System:** 9 keys, to low C, including alternate B-flat for RH first or second finger, round flat flaps, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 68.95 cm. **Condition:** Head joint, upper portion, cracked. Portion of long F key guide block missing. Foot joint cracked at socket. **Provenance:** Jacob Spaeth, Munich, 26 Aug. 1930. Digital image available

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0973	**Instrument Type:** Flute in C **Maker Name:** Eustach Schöffl **Maker Place:** Munich **Maker Date:** 1818-1841 **Materials:** Ebony, silver keys, ferrules. **Keys Holes System:** 8 keys, round flat flaps, foot to C#, pin in block. 8th key is a RH second finger B-flat lever. **Physical Description:** 4 sections. **Measurement:** 64 cm. **Provenance:** Jacob Spaeth, Munich, 26 Aug. 1930. Digital image available
0974	**Instrument Type:** Flute in C **Maker Name:** Theobald Boehm **Maker Place:** Munich **Maker Date:** 1828-1839 **Materials:** Cocus, nickel silver keys, finger rings, ferrules. Boxwood crutch. **Keys Holes System:** Boehm 1832 system, conical, open G#. Modern style key cups, post and rod. D trill, thumb key with double hole. Alternate 3rd finger RH B lever. **Physical Description:** 3 sections, partial tuning slide. **Measurement:** 65.1 cm. **Notes:** Embouchure hole large, rectangular, with recessed area for lower lip. **Provenance:** Sigmund Koch, Munich, 27 Aug. 1930. Digital image available
0975	**Instrument Type:** Flute in C **Maker Name:** Theobald Boehm **Maker Place:** Munich **Maker Date:** 1828-1839 **Materials:** Cocus, silver keys, ferrules. **Keys Holes System:** 9 keys, round flat flaps, post and rod. **Physical Description:** Old system, 3 sections, partial tuning slide in head. **Measurement:** 66.9 cm. **Condition:** Head joint, lower section, cracked. Missing G# key spring. **Provenance:** Sigmund Koch, Munich, 27 Aug. 1930. Digital image available
0976	**Instrument Type:** Dvojnice (Double Vertical Whistle Flute) **Maker Name:** Anonymous **Materials:** Unidentified wood. **Keys Holes System:** Left tube: 0/3 holes ; right tube: 0/4 holes. **Physical Description:** Carved and bored from one piece of wood, from the halfway point, the two hexagonal exterior tubes were carved separately and then rejoined at the base with a carved integral brace. **Measurement:** 35.5 cm. **Provenance:** Sigmund Koch, Munich, 27 Aug. 1930. Formerly in the collection of Theo. Schäffer. Digital image available

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0977	**Instrument Type:** Flute in C **Maker Name:** Johann Wolfgang Hoe; Anonymous (upper joint) **Maker Place:** Hof **Maker Date:** a1762-p1772 **Materials:** Boxwood, ivory cap, cork-setting mechanism, foot register, silver key. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 63.3 cm. **Notes:** Upper joint likely a replacement, possibly by folk (not professional) craftsman. Foot slide numbered to indicate that this instrument originally had 6 corps de rechange. **Condition:** Lower body joint crack at socket. Foot joint key block has a second pin made of iron which may have been added either to serve as a crack prevention pin and/or more likely to serve as a spring mounting device, the brass spring being tucked under it. However, it has caused a crack in one lug of the key mount. **Provenance:** Sigmund Koch, Munich, 27 Aug. 1930. Formerly in the collection of Theo. Schäffer. Digital image available
0978	**Instrument Type:** Flute in C **Maker Name:** Adler **Maker Place:** Bamberg **Maker Date:** 1820-1923 **Materials:** Boxwood, ivory cap, cork-setting mechanism, and ferrules, brass keys. **Keys Holes System:** 8 keys, round flaps, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66 cm. **Condition:** Head joint barrel cracked, head joint center ferrules cracked. Ivory ferrule at foot broken in 3 pieces. **Provenance:** Sigmund Koch, Munich, 27 Aug. 1930. Formerly in the collection of Theo. Schäffer. Digital image available
0979	**Instrument Type:** Flute in C **Maker Name:** Johann Gottlieb Freyer **Maker Place:** Potsdam **Maker Date:** last quarter 18c-1808 **Materials:** Figured boxwood, ivory cap, cork-setting mechanism, and ferrules, silver keys. **Keys Holes System:** 5 keys, square flat flaps, pin in block, the 5th key being a short F lever which operates the long F key. **Physical Description:** 4 sections. **Measurement:** 62.3 cm. **Condition:** Foot joint upper ferrule cracked. **Provenance:** Sigmund Koch, Munich, 27 Aug. 1930. Formerly in the collection of Theo. Schäffer. Digital image available

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0980	**Instrument Type:** Flute in C **Maker Name:** Franz Carl **Maker Place:** Nuremberg **Maker Date:** 1825-1846 **Materials:** Boxwood, ivory cork-setting mechanism, and ferrules, brass keys. **Keys Holes System:** 8 keys, round flat flap, pin in block. To low C#. **Physical Description:** 3 sections. **Measurement:** 64 cm. (replacement cap) **Condition:** Short F key and RH B-flat lever missing. Missing part of short F key mount. Original cap missing, present cap a replacement. **Provenance:** Sigmund Koch, Munich, 27 Aug. 1930. Digital image available
0981	**Instrument Type:** Flute in C **Maker Name:** Stiegler **Maker Place:** Munich **Maker Date:** 1844-1858 **Materials:** Unidentified wood, brass key, animal horn ferrules. **Keys Holes System:** 1 key, round flat flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.9 cm. **Notes:** This instrument appears to be an inexpensive grade of the period, and fingerhole 6 is unusually small (approximately 3.4 millimeters) and placed unusually low on the lower body joint. **Condition:** Head joint ferrule missing. Badly cracked at the head joint socket, almost back to the embouchure hole area. **Provenance:** Sigmund Koch, Munich, 27 Aug. 1930. Digital image available
0982	**Instrument Type:** Walking Stick Flute **Maker Name:** Anonymous **Materials:** Maple(?), acid stained, marbleized finish. Brass key, brass ferrules with iron stud. Cord holes bushed with ivory. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 81.5 cm. **Notes:** Upper 3 sections have a knurled brass ferrule around the bottom socket. The third or lower is a replacement. Head joint, upper, lower and terminating staff portion with long tapered brass ferrule with iron stud. The 3rd section has no terminating hole(s) and the fourth (staff) section must be removed when playing the instrument. Present pommel is a crude replacment. **Condition:** Head joint has cracks at both ends, and is warped. Lower section crack at socket. Ivory cord hole bushing is missing. **Provenance:** Sigmund Koch, Munich, 27 Aug. 1930. Formerly in the Deutsche Museum. Digital image available

Unit Id	*Contents*
0983	**Instrument Type:** Panpipe Toy **Maker Name:** Anonymous **Materials:** Celluloid. **Keys Holes System:** 8-note scale, fipple pipes. **Physical Description:** Pink and blue celluloid molded together. **Measurement:** 3.5 x 7.5 x 11.5 cm. **Condition:** Portion of pink celluloid is chipped away. **Provenance:** Music store, Interlaken, Switzerland, 2 Sept. 1930. Digital image available
0984	**Instrument Type:** Flute in E-flat **Maker Name:** Thomas Lot III **Maker Place:** Paris **Maker Date:** 1734-p1787 **Materials:** Boxwood, ivory cap, ferrules, silver key. **Keys Holes System:** 1 key, square flat flap, spring attached to instrument. **Physical Description:** 4 sections. **Measurement:** 52.9 cm. **Condition:** Head joint cracked at socket. Ivory cap missing decorative center pin inlay, material unknown. **Provenance:** Pierre Schneider, Paris, 4 Sept. 1930. Digital image available
0985	**Instrument Type:** Flute in E-flat **Maker Name:** Clair Godfroy, aîné **Maker Place:** Paris **Maker Date:** ca. 1814-1828 **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, square flap. Key likely not original. **Physical Description:** 4 sections. **Measurement:** 52.45 cm. **Notes:** Head joint cap and key may not be original. Cap likely not original, it has a center tapered hole which may have contained a decorative stud or more likely it was for lathe-center use. See Condition. **Condition:** DCM ledger: "Good condition, except two pieces cracked off wood cap." **Provenance:** Pierre Schneider, Paris, 4 Sept. 1930. Digital image available

Unit Id	*Contents*
0986	**Instrument Type:** Flute in C **Maker Name:** Nicolas Winnen (Viennen) **Maker Place:** Paris **Maker Date:** a1788-1833 **Materials:** Ebony(?), ivory ferrules and disk center inlay on cap. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 sections, with at least 3 corps de rechange originally, 2 or more are missing. **Measurement:** 61.4cm. **Provenance:** Pierre Schneider, Paris, 4 Sept. 1930. Digital image available
0987	**Instrument Type:** Flute in C **Maker Name:** Paolo Maino **Maker Place:** Milan **Maker Date:** 1836-1880 **Materials:** Boxwood, animal horn cap and ferrules, brass keys. **Keys Holes System:** 11 keys, modern style key cups, with pewter plugs over metal-lined holes for low C#, C, B. Pin in brass-lined blocks. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 69.6 cm. (without cap) **Condition:** Missing upper portion of cap. Head joint, upper section, severely cracked both cross grain and parallel to grain. Barrel cracked. **Provenance:** Masspacher, Paris, 5 Sept. 1930. Digital image available
0988	**Instrument Type:** Flute in C **Maker Name:** Louis Lot **Maker Place:** Paris **Maker Date:** 1858 **Materials:** Grenadilla, including cap and cork-setting mechanism. Silver keys, ferrules, socket liners, upper body joint upper tenon. **Keys Holes System:** 5 keys, post and rod, modern style key cups. **Physical Description:** 4 sections. **Measurement:** 60.8 cm. **Condition:** Head joint cracked at socket. Lower body joint cracked at socket. **Provenance:** H. Manière, Paris, 5 Sept. 1930. Digital image available

Unit Id	*Contents*
0989	**Instrument Type:** Tenor Recorder in D (Voice Flute) **Maker Name:** Peter Bressan **Maker Place:** London **Maker Date:** 1688-1730 **Materials:** Wood, stained, ivory ferrules. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 60.65 cm. **Condition:** Head joint edge slightly damaged but still playable. The area of the thumbhole has been crudely indented for player convenience. Foot joint upper ferrule slightly cracked. Foot joint lower ferrule large decorative bottom bead missing about 150 degrees circumference material. Chips missing on wood near bottom ferrule. The ferrule is also cracked starting outward but not out to edge. **Provenance:** W. Howard Head, London, 16 Sept. 1930. Digital image available
0990	**Instrument Type:** English Flageolet **Maker Name:** William Bainbridge **Maker Place:** London **Maker Date:** 1808-1820 **Materials:** Boxwood, ivory mouth beak, ferrules, and fingerstuds, silver keys. **Keys Holes System:** 1/7 holes, top front hole plugged for half-hole vent, 2 keys (adjacent RH little finger keys) half-circle flaps, for D#/E-flat (British Patent 2693), according to the Quantz/Tromlitz design. **Physical Description:** 2 sections, upper section consisting of fipple, 2-part sponge chamber, and mouth beak, plus body. **Measurement:** 40.15 cm. **Notes:** See DCM 184. **Condition:** Missing 3 ivory fingerstuds. **Provenance:** W. Howard Head, London, 16 Sept. 1930. Digital image available
0991	**Instrument Type:** English Flageolet **Maker Name:** John Parker **Maker Place:** London **Maker Date:** a1770-p1815 **Materials:** Boxwood, ivory beak and fingerstuds, brass key. **Keys Holes System:** 1/7 holes. Upper front hole bushed with ivory for half-hole vent. **Physical Description:** 2 sections, upper section includes fipple and wind cap, not necessarily a sponge chamber (fipple and block tenon terminates without obvious niche for sponge in windway), and mouth beak. **Measurement:** 34.3 cm. **Notes:** Holes lettered. **Condition:** Missing one ivory stud. **Provenance:** W. Howard Head, London, 16 Sept. 1930. Digital image available

Unit Id	*Contents*
0992	**Instrument Type:** English Flageolet **Maker Name:** Thomas Prowse **Maker Place:** London **Maker Date:** 1832-1868 **Materials:** Boxwood, ivory beak and studs, brass key (with traces of silver plate, date of application unknown). **Keys Holes System:** 1/7 holes plus 1 key, square flap. Upper front hole plugged for half-hole vent. **Physical Description:** 2 sections, upper includes fipple and one-piece sponge chamber, and mouth beak. **Measurement:** 42.3 cm. **Condition:** Sponge chamber joint warped and cracked cross grain in 2 places. **Provenance:** W. Howard Head, London, 16 Sept. 1930. Digital image available
0993	**Instrument Type:** English Flageolet **Maker Name:** Abel **Maker Place:** Northampton **Maker Date:** turn of the 19c **Materials:** Boxwood, ivory beak, ferrules, finger studs, brass key. **Keys Holes System:** 0/7 holes plus 1 key, square flat flap, pin in block. **Physical Description:** 2 sections, upper section consists of mouth beak, 2-piece sponge chamber, and fipple section (lower section is body). **Measurement:** 41.15 cm. **Condition:** Crack in lower sponge chamber. Missing 3 ivory finger studs. **Provenance:** W. Howard Head, London, 16 Sept. 1930. Digital image available
0994	**Instrument Type:** Fife in A-flat (B-flat) **Maker Name:** Clementi & Co. **Maker Place:** London **Maker Date:** 1802-1831 **Materials:** Boxwood, brass end ferrules. **Keys Holes System:** 0/6 holes. **Measurement:** 42.35 cm. **Condition:** Extremely warped; embouchure hole detrimentally altered; upper end cracked and chipped with pieces missing; upper end of upper brass ferrule missing 5 millimeters (length) of material. **Provenance:** W. Howard Head, London, 16 Sept. 1930. Digital image available

Unit Id	*Contents*
0995	**Instrument Type:** Flute in C **Maker Name:** Friedrich Gabriel August Kirst **Maker Place:** Potsdam **Maker Date:** 1772-1804 **Materials:** Ebony(?), ivory (original cap cork-setting mechanism), register slide, and ferrules, silver keys. **Keys Holes System:** 6 or 8 keys, square flaps, pin in block. **Physical Description:** 4 sections, with 3 additional corps de rechange and one additional foot joint. Foot joints to D and C. **Measurement:** Measured with replacement cap. D foot: 63 cm., 62.3 cm., 59.3 cm., 60.9 cm.; C foot: 68.4 cm., 67.68 cm., 64.7 cm., 66.3 cm. **Notes:** Register, graduated for four positions on D foot. **Case:** The case appears to be mahogany, and may have originally served a nonmusical purpose. The interior of its lower portion contains at the spine (hinged end), a board with 7 fabric-lined semi-circular grooves, each to receive a tenon and to space the joints safely apart. The top area has a corresponding structure which, when closed, locks those elements into position. The front of the case contains a reverse arrangement having 7 turned boxwood tenons or plugs, each fixed to a round iron L-shaped mount having a round brass flange at the bottom. The end of each joint fits over those plugs which are grooved and likely contained thread lapping as on the instrument tenons themselves. **Condition:** DCM ledger: "The embouchure has been 'replaced' by inserting piece of ebony about 7/8 inch square." Alterations include: present cap of ivory(?) and ebony(?), no threaded tuning mechanism. Head includes rectangular embouchure area replacement plus enlarged embouchure hole. Upper joint 3 substantially shortened at upper end, by at least 22 millimeters, thereby removing eagle portion of maker's mark (possibly to raise it for military use as a D-flat instrument). Middle joint socket and ferrule cracked. Register foot ivory portion cracked (brass tube underneath). **Provenance:** Zimmermann & Co., Markneukirchen, Germany, through Harry V. Baxter (of Baxter-Northup Co., Los Angeles) and Gebrüder Mönnig, Markneukirchen, Germany, 27 Sept. 1930.
0996	**Instrument Type:** Flute in C **Maker Name:** Heinrich Grenser **Maker Place:** Dresden **Maker Date:** 1796-1806 **Materials:** Ebony, ivory cap and ferrules, boxwood cork-setting mechanism, silver keys. **Keys Holes System:** 5 keys, square flat flaps, pin in block. Long F key is a second lever to open the short F key. **Physical Description:** 4 sections. **Measurement:** 62.4 cm. **Notes:** The presence of "Germany" stamp may have been applied in compliance with a 1890 tariff act requiring all merchandise entering the U.S. to show place of origin. See DCM 997. **Condition:** Beautiful. **Provenance:** Zimmermann & Co., Markneukirchen, Germany, through Harry V. Baxter (of Baxter-Northup Co., Los Angeles) and Gebrüder Mönnig, Markneukirchen, Germany, 27 Sept. 1930. Digital image available

Unit Id	*Contents*
0997	**Instrument Type:** Flute in C **Maker Name:** Augustin Grenser I; Jeremias Schlegel (See Physical Description and Notes.) **Maker Place:** Dresden; Basel **Maker Date:** 1744-p1798; ca. 1752-1792 **Materials:** Boxwood, lightly stained, ivory cap (including boxwood and ivory cork-setting mechanism), ivory ferrules. **Keys Holes System:** 1 key, flat square flap (crudely cut and not original). **Physical Description:** 4 sections. This instrument is a composite uniting an A. Grenser head joint with all other parts by Schlegel, Basel. However, the marks on this instrument seem to be like no others from those makers, and may be from neither workshop. **Measurement:** 60.4 cm. **Notes:** "Germany" stamped in English on the upper joint further confuses the identity. Possibly it pertains to the 1890 tariff mentioned in DCM 996, although that customs law does not apply to antiques. **Condition:** Lower body joint socket cracked. **Provenance:** Zimmermann & Co., Markneukirchen, Germany, through Harry V. Baxter (of Baxter-Northup Co., Los Angeles) and Gebrüder Mönnig, Markneukirchen, Germany, 27 Sept. 1930. Digital image available
0998	**Instrument Type:** Flute in C **Maker Name:** Johann Gottlieb Karl Bischoff **Maker Place:** Gotha **Maker Date:** ?-1813 **Materials:** Boxwood, ivory cap, cork-setting mechanism, and ferrules, brass key. **Keys Holes System:** 1 key, square flap. D# key is unique in that its finger lever terminates in a 90 degree turn. **Physical Description:** 4 sections. This instrument likely had additional corps de rechange. **Measurement:** 62.8 cm. **Provenance:** Zimmermann & Co., Markneukirchen, Germany, through Harry V. Baxter (of Baxter-Northup Co., Los Angeles) and Gebrüder Mönnig, Markneukirchen, Germany, 27 Sept. 1930. Digital image available
0999	**Instrument Type:** Double Vertical Whistle Flute **Maker Name:** Anonymous **Materials:** Maple(?). **Keys Holes System:** Right tube: drone; left tube: 0/6 holes. **Physical Description:** Two pipes carved from one piece of wood, with the labium edge for each on the back. The right pipe is a drone, the length of which is approximately at the upper edge of fingerhole 4. The left pipe is a chanter, with 6 fingerholes. **Measurement:** Right: 22.8 cm., left: 29.9 cm. **Provenance:** Zimmermann & Co., Markneukirchen, Germany, through Harry V. Baxter (of Baxter-Northup Co., Los Angeles) and Gebrüder Mönnig, Markneukirchen, Germany, 27 Sept. 1930. Digital image available

Unit Id	*Contents*
1000	**Instrument Type:** Flute in C **Maker Name:** Höfer **Maker Place:** Graslitz? **Maker Date:** early 19c? **Materials:** Boxwood, black horn cap and ferrules, brass keys. **Keys Holes System:** 6 keys, round flaps, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 58.9 cm. **Condition:** Warped. Two ferrules cracked. **Provenance:** Emil Müller, Pressnitz bei Komotau, Czechoslovakia, 27 Sept. 1930. Digital image available
1001	**Instrument Type:** Flute in G **Maker Name:** Franz Bauer **Maker Place:** Prague **Maker Date:** ca. 1803-1835 **Materials:** Boxwood, brass key, horn ferrules (original cap likely of animal horn, replacement cap is boxwood). **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 84.65 cm. **Provenance:** Emil Müller, Pressnitz bei Komotau, Czechoslovakia, 27 Sept. 1930. Digital image available
1002	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Charles Mathieu **Maker Place:** Paris **Maker Date:** a1890-early 20c **Materials:** Nickel plate over pewter or pot metal. **Keys Holes System:** 2/8 holes. **Physical Description:** "Ocariflute." A vertical ocarina having a steeply tapered form inside and out. **Measurement:** 14.5 cm. **Provenance:** Baxter-Northup Co., Los Angeles, 1 Oct. 1930. Digital image available

Unit Id	*Contents*
1003	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Charles Mathieu **Maker Place:** Paris **Maker Date:** a1890-early 20c **Materials:** Nickel plate over pewter or pot metal. **Keys Holes System:** 2/8 holes. Toneholes vary greatly in diameter, marked with numbers plus pitch names in both English and solfege. **Physical Description:** "Ocariflute." Similar to the American tonette (DCM 1368) which may have derived from this instrument, this is a cast metal steeply tapered closed pipe 10-hole fipple flute. **Measurement:** 25.85 cm. **Provenance:** Baxter-Northup Co., Los Angeles, 1 Oct. 1930. Digital image available
1004	**Instrument Type:** Ocarina **Maker Name:** Charles Mathieu **Maker Place:** Paris **Maker Date:** a1890-early 20c **Materials:** Nickel plate over pewter or pot metal. **Keys Holes System:** 2/8 holes. Toneholes marked with numbers plus pitch names in both English and solfege. **Physical Description:** Standard ocarina with metal tuning bar which increases or decreases total volume (see DCM 1006) within instrument, lowering or raising pitch. **Measurement:** 17.1 cm. **Provenance:** Baxter-Northup Co., Los Angeles, 1 Oct. 1930. Digital image available
1005	**Instrument Type:** Ocarina **Maker Name:** Charles Ullmann **Maker Place:** Paris **Maker Date:** a1893-?p1930 **Materials:** Ceramic, covered outside with cream-colored fitted celluloid, plus carmel-colored celluloid tips at ends. **Keys Holes System:** 2/8 holes. **Physical Description:** This instrument is unusual in that the mouthpiece is a separate element, glued into position. **Measurement:** 16.6 cm. **Condition:** Celluloid tip missing from large end. Crack in celluloid cover from fingerhole 3 to labium aperture. **Provenance:** Baxter-Northup Co., Los Angeles, 1 Oct. 1930. Digital image available

Unit Id	*Contents*
1006	**Instrument Type:** Ocarina **Maker Name:** Ercole Roda **Maker Place:** ?Italy **Maker Date:** 20c **Materials:** Clay, painted with black enamel, and orange enamel inside fingerholes. Maker's mark with bronze powder paint. Tuning bar is nickel plate. **Keys Holes System:** 2/8 holes. **Physical Description:** Standard ocarina with metal tuning bar which increases or decreases total volume (see DCM 1004) inside of the instrument, lowering or raising pitch. **Measurement:** 16.9 cm. **Condition:** Top broken where tuning slide enters. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 1 Oct. 1930. Digital image available
1007	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Horn. **Physical Description:** Natural, slender pointed horn. **Measurement:** 11.4 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available
1008	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Possibly vegetable plastic (celluloid). **Physical Description:** In the form of a small ivory tusk, but molded of 2 halves. **Measurement:** 11.1 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available
1009	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Carved ivory. **Keys Holes System:** 1 hole. **Physical Description:** Small ivory tusk, decorated with spiral flute carving, originally received by DCM with silver tip, now missing. Fingerholes on back, near fipple. **Measurement:** 10 cm. **Condition:** Silver tip now missing. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available
1010	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Wood, stained dark, with a piece of animal horn attached at the end with a nickel-plated band. **Measurement:** 7.6 cm. (approximate) **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available

Unit Id	*Contents*
1011	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Animal horn. **Physical Description:** In shape of arm and hand. **Measurement:** 9.6 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available
1012	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Carved ivory. **Physical Description:** Knife or handle decorated in high relief with grapes and leaves motif. The narrow end has been crudely carved into a fipple and block whistle. **Measurement:** 10.6 cm. **Notes:** Whistle end contains an engraved name and address, quite worn and illegible. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available
1013	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Carved ivory. **Physical Description:** Carved infant face, wearing a carved wooden helmet, and mounted on an elaborately carved wooden shaft, the bottom of which incorporates a fipple. **Measurement:** 11.6 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available
1014	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Carved ivory, animal horn. **Physical Description:** Carved figure, made in 3 parts, the bottom includes a fipple and block and armless upper torso, a head, and a long tapered hat curving backward at nearly a 90 degree angle. See Notes. **Measurement:** 11.6 cm. **Notes:** The upper animal horn and ivory elements screw into the lower animal horn element and appear to have been the upper decorative pommel from a walking cane. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available
1015	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Carved animal horn. **Physical Description:** Carved in the form of a horse and saddle. A hole in the horse's belly may indicate that this was a handle from an unknown object. **Measurement:** 9.7 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available

Unit Id	*Contents*
1016	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Ebony, possibly briarwood. Nickel silver ferrule in beak. **Physical Description:** Carved in the form of an eagle's head. **Measurement:** 9.5 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available
1017	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Animal horn. **Physical Description:** Carved on one end as a dog's head. The dog's neck contains a threaded hole indicating this was a handle for something, possibly a small walking cane. **Measurement:** 103 mm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available
1018	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Antler horn. **Measurement:** 12.2 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available
1019	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Horn. **Measurement:** 9.6 cm. **Notes:** See DCM 1017. Contains threaded hole, likely a handle from an unknown device, possibly a cane. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available
1020	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Ivory(?), tinted rose, wood support structure. **Physical Description:** Carved rose shape, mounted on carved leaf and branch design, with fipple and block at bottom. **Measurement:** 9 cm. **Condition:** Block missing. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available

Unit Id	*Contents*
1021	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Dark wood, ebony or cocus, ivory. Steel metal ring. **Physical Description:** Highly polished wood carved to appear as leaf or fabric material surrounding an ivory carving in the form of a flower. **Measurement:** 12.7 cm. **Condition:** The upper end was perforated to receive a steel ring, perhaps for a neckstrap, which caused a large crack. Fipple cracked at that point. Block out of position. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available
1022	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Wood. **Physical Description:** Carved and highly polished wooden foot with shoe, with big toe exposed. Highly stylized, essentially a 3-dimensional cartoon. **Measurement:** 10.9 cm. (height), or 12.2 cm. maximum distance between outer points, diagonal. **Condition:** Leg portion above ankle decorated brown by retaining some of the bark selectively. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available
1023	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Brass. **Physical Description:** DCM ledger: "Common brass spigot." **Measurement:** 12.6 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 2 Oct. 1930. Digital image available
1024	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Materials:** Wood, leather thong flue cover. **Physical Description:** Having courting flute-style fipple. **Measurement:** 42.2 cm. **Condition:** Cracked in 2 places. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 8 Oct. 1930. Digital image available

Unit Id	*Contents*
1025	**Instrument Type:** Pitch Pipe **Maker Name:** Anonymous **Maker Date:** late 18c **Materials:** Mahogany, with bone slide. **Physical Description:** In rectangular form, containing pitch slide with cork gasket, and containing bone inlay marked "Concert Pitch." Scribed lines and note names chromatically from G to G. **Measurement:** 21.2 x 6.3 x 3.2 cm. **Condition:** All seams loose. There are 4 notches at the corners of each end indicating some form of either metal ferrule or bracketed clamping device for either repairing or securing loose seams. **Provenance:** Whitlock's Book Store, New Haven, Connecticut, 28 Oct. 1930. Digital image available
1026	**Instrument Type:** Flute in C **Maker Name:** Moritz-Max Mönnig **Maker Place:** Leipzig **Maker Date:** ca. 1925 **Materials:** Silver-plated brass (tube), ebonite Schwedlermundloch raised wing embouchure plate (see DCM 62) and rollers. **Keys Holes System:** Schwedler Reform flute, conical, foot to B. **Physical Description:** 3 sections. **Measurement:** 71.65 cm. **Notes:** DCM ledger, Valderpoort letter to DCM, 23 July 1930: "…the only Schwedler-Reform Flute entirely made of metal. This flute was made for Mr. Schwedler by Mönnig in Leipzig as a mark of gratitude. However as Mr. Schwedler did not approve of a metal flute it was replaced by a wooden one." **Provenance:** W. Valderpoort, Rotterdam, 6 Nov. 1930. Digital image available
1027	**Instrument Type:** Double Effigy Whistle **Maker Name:** Anonymous, Central American Indian **Maker Place:** Guatemala **Materials:** Pottery. **Keys Holes System:** One hole, possibly a fingerhole. However, as is, the instrument sounds no pitch at all. **Physical Description:** Pottery object with human face at one end and fanciful land or sea animal face with open mouth at other end, incorporating pachyderm-like trunk or nose folded upward and back over most of the object's length and then turning upward over the human effigy. **Measurement:** 25.6 x 15.2 x 9.7 cm. **Notes:** DCM ledger: "Guatemala." **Condition:** Random shrinkage cracks. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 6 Nov. 1930. Digital image available

Unit Id	*Contents*
1028	**Instrument Type:** Flute in C **Maker Name:** James Wood **Maker Place:** London **Maker Date:** ca. 1799-1832 **Materials:** Boxwood, ivory cap and ferrules, brass keys, silver replacement keys. **Keys Holes System:** 4 keys, square flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 61.2 cm. **Notes:** 4 keys, originally brass, the present silver B-flat and F keys being replacements. **Condition:** Head joint and ferrule cracked. Foot joint lower ferrule cracked. **Provenance:** R. T. Cole, Kennebunk, Maine, 12 Nov. 1930. Digital image available
1029	**Instrument Type:** Flute in C **Maker Name:** Clair Godfroy, aîné **Maker Place:** Paris **Maker Date:** 1864 **Materials:** Silver. **Keys Holes System:** Boehm system, open-hole, closed G#. C foot with roller. **Physical Description:** 3 sections. **Measurement:** 67.3 cm. **Provenance:** Jerome C. Paradiso, Paterson, New Jersey, 14 Nov. 1930. DCM ledger: "Paradiso says he purchased from Francis A. Foster, Boston, Massachusetts." Digital image available
1030	**Instrument Type:** Flute in C **Maker Name:** Thomas Stanesby, junior **Maker Place:** London **Maker Date:** p1713-ca. 1754 **Materials:** Ivory, originally with silver key and, likely, at least one silver ferrule. **Keys Holes System:** 1 key, pin in block. Typical of Stanesby, recessed tonehole seat. **Physical Description:** 4 sections. Standard English style flute having head joint equipped with tenon going into socket at upper end of upper body joint. **Measurement:** 60.55 cm. **Condition:** Silver key now missing. Upper end of head joint morticed for a now missing silver ferrule, perhaps not original. The ivory head joint cap seems to have been improvised from another cap. The original was more likely one of Stanesby's typical sheet silver caps attached to a wooden tenon or head joint is cracked from its tenon almost to embouchure area, a repair DCM states: "Head cracked; has been turned down and covered with a metal (silver) tube from above embouchure to lower end (5 1/2 inches)." Regarding the foot, DCM ledger states: "A ring at end of foot has been replaced by a poor substitute." If this joint had a bottom ferrule, its width would likely have been approximately 6 millimeters. However, the mortice to which DCM refers is nearly 13 millimeters and crudely executed, but curiously polished. This foot probably had no ferrule originally. **Provenance:** W. Howard Head, London, 1 Dec. 1930. Digital image available

Unit Id	*Contents*
1031	**Instrument Type:** Flute in C **Maker Name:** Rampone **Maker Place:** Milan **Maker Date:** ca.1850-1912 **Materials:** Double-walled silver. **Keys Holes System:** 16 keys, conical bore, foot to B-flat. Modern style key cups, post and rod, with left thumb G#. Pewter plugs and rollers for low C#, B-flat. **Physical Description:** 3 sections. **Measurement:** 73.4 cm. **Notes:** Engraved around embouchure and principal rank fingerholes. **Condition:** Beautiful. **Provenance:** J. Clayton Boyes, Bushey, England, 1 Dec. 1930.
1032	**Instrument Type:** Flute in C **Maker Name:** Llado **Maker Place:** Mahon **Maker Date:** mid 19c **Materials:** Boxwood, ivory cap and ferrules, silver keys. **Keys Holes System:** 8 keys, square flat flaps, pin in block. Foot to C. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 64.55 cm. **Notes:** Cracks in upper body of unusual complexity, bottom ferrule cracked. **Provenance:** Whitlock's Book Store, New Haven, Connecticut, 2 Dec. 1930.
1033	**Instrument Type:** Ryuteki (Transverse Flute) **Maker Name:** Anonymous, Japanese **Materials:** Bamboo, stained brown, lacquered red inside, decorated with brown rattan on all exterior areas other than at embouchure and fingerholes. **Keys Holes System:** 0/7 holes. **Measurement:** 39.75 cm. **Notes:** Cracked full length. **Provenance:** N. C. Godsoe, of Dickinson's Old Curiosity Shop, Boston, 20 Dec. 1930. Digital image available
1034	**Instrument Type:** Flute in A-flat **Maker Name:** Anonymous **Materials:** Cocus, nickel silver keys, ferrules. **Keys Holes System:** 2 keys, bore slightly conical, modern style key cups, post and rod. **Physical Description:** 2 sections. **Measurement:** 36.9 cm. **Notes:** This A-flat band flute may have been sold as either a B-flat fife or flute. See "Fife vs. Band Flute." **Provenance:** Allen Loomis, Elkhart, Indiana, 24 Dec. 1930. Digital image available

Unit Id	*Contents*
1035	**Instrument Type:** Flute in C **Maker Name:** Joseph L. Marcil **Maker Place:** Detroit **Maker Date:** 1913-1920 **Materials:** Double wall construction, likely brass, with nickel plate; key work nickel silver with nickel plate. **Keys Holes System:** Boehm system, closed G#. Rollers for C#, C. **Measurement:** 68.3 cm. **Provenance:** Allen Loomis, Elkhart, Indiana, 24 Dec. 1930. Digital image available
1036	**Instrument Type:** Flute in C **Maker Name:** John Henry Powell **Maker Place:** London **Maker Date:** a1823-1827 **Materials:** Rosewood(?), silver keys, ivory ferrules. **Keys Holes System:** 8 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.9 cm. **Condition:** Head joint and ivory ferrule cracked, wood cap cracked in half, foot cracked. Upper joint C key finger lever half of key appears to be a replacement, possibly period. G# key may be replacement. **Provenance:** Baxter-Northup Co., Los Angeles, 27 Dec. 1930. Digital image available
1037	**Instrument Type:** Flute in G (High Pitch) **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** ca. 1890s **Materials:** Cocus, ebonite embouchure plate, silver or silver plate keys, ferrules. Head lining and body tenon of nickel silver, ribs of nickel silver with silver plate. **Keys Holes System:** Boehm system, to low C (G), closed G#, posts on ribs. **Physical Description:** 2 sections, tuning slide in head. Body is one piece. **Measurement:** 49.8 cm. **Notes:** Thinned head with ebonite embouchure plate. DCM ledger: "The G Flute is one of the instruments made to order of Sir Arthur Sullivan [for the first performance of "Ivanhoe"...in 1891], but the body and foot being cracked was afterwards replaced with new wood, and somehow or other another number was placed on it."According to correspondence between DCM and Shiel (previous owner), the ebonite flute was returned to Shiel. This instrument may be a later, entirely new wooden body joint, thereby explaining the serial no. 3156, which would date it after 1898. However, the key work may be from the original instrument. Furthermore, DCM indicates the head was thinned and then outfitted with an ebonite embouchure plate. **Condition:** Head joint, both sections, cracked. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 30 Dec. 1930. Digital image available

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1038	**Instrument Type:** Flute in C **Maker Name:** Benedikt Pentenrieder **Maker Place:** Munich **Maker Date:** ca. 1836-1854 **Materials:** Boxwood, stained dark brown, ivory cap and ferrules, nickel silver keys. **Keys Holes System:** 10 keys, round flat flaps, pin in block. **Physical Description:** 3 sections. **Measurement:** 68.05 cm. **Notes:** DCM ledger: "Unique keys equivalent to 8 keys with several extra touch-pieces, and cross G#. All keys flat-circle flaps in wood lugs. F#, G#, B-flat keys all have light springs which alone open the keys. For each key there is a finger lever with a strong spring which normally keeps the key closed. G# and B-flat keys each have a 'crescent' touch piece (like Gordon Model) for closing key when another hole is stopped by finger. Holes are spaced as in old system of the time…. The flute is old-style like [DCM] 1068, with Gordon's improvements!" **Condition:** Warped. **Provenance:** Wilhelm Rück, Nürnberg, Germany, 17 Feb. 1931 Digital image available
1039	**Instrument Type:** Flute in C **Maker Name:** S. Koch **Maker Place:** Vienna **Maker Date:** 1835 **Materials:** Cocus, silver keys, ferrules. Lower joint blocks lined with silver. **Keys Holes System:** 10 keys, round flaps, foot to B. **Physical Description:** 3 sections, tuning slide in head. No separate foot joint. **Measurement:** 70.15 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** John T. Shiel, Walkden, near Manchester, England, Apr. 1931. H(arrington) Young, former owner and piccolo player, listed in De Lorenzo and FitzGibbon, died in 1895. Digital image available
1040	**Instrument Type:** Walking Stick Flute in C **Maker Name:** Anonymous **Materials:** Unidentified hard wood, stained reddish, animal horn pommel, brass ferrule and bottom staff section. Metal-lined socket and bore. Elaborately carved, appearing to have numerous knots and branches pruned near the exterior of the main branch. **Keys Holes System:** 1 key. **Physical Description:** 3 sections, head, flute (upper and lower body), lower staff. **Measurement:** 86.9 cm. **Notes:** Pommel threaded into head joint. Both the single key (D#) and the lateral terminating vent hole are decoratively elevated. The head and body sections have plain brass ferrules at both ends. The bottom staff section has a long tapered brass ferrule and iron tack at bottom. Lower socket of flute body is metal-lined, and the lower end of the bore is partially metal-lined. The upper end of this joint and the lower end of the head, currently frozen, and may also be brass-lined. **Condition:** Head joint cracked at lower socket. Body section cracked at upper and lower end. **Provenance:** John T. Fagan Estate, Thos. Fagan, son. Portland, Maine, 8 Apr. 1931. Digital image available

Unit Id	*Contents*
1041	**Instrument Type:** Fife in A-flat **Maker Name:** Anonymous **Materials:** Silver or silver plate. **Keys Holes System:** 0/6 holes, raised toneholes. **Physical Description:** Embouchure barrel decorated with 4 knurled ferrules, 2 at each end. **Measurement:** 44.2 cm. **Condition:** Slightly bent just above upper fingerhole. The embouchure barrel contains several dents. **Provenance:** Sumner Healey, New York, 11 Apr. 1931. DCM ledger: "Said to have been used in the Civil War." Digital image available
1042	**Instrument Type:** Flute in C **Maker Name:** E. Forni **Maker Place:** Milan **Maker Date:** a1862-p1872 **Materials:** Grenadilla, nickel silver keys, ferrules, metal-lined head and blocks. **Keys Holes System:** 13 keys, modern style key cups, foot to A with pewter plugs for low C# - A. Pin in block. **Physical Description:** 3 sections, tuning slide in head. No separate foot joint. **Measurement:** 79.8 cm. **Notes:** Barrel has inset silver plate for initials, now obliterated. **Condition:** Head joint, both sections, cracked, formerly filled. Barrel pinned. Several key mounts have block portion missing. Upper joint upper tenon area cracked and chipped, formerly cross-pinned, now missing. Lower joint crack at socket with cross-pin repair, wood is chipped and missing. Cap likely not original. **Provenance:** Emil Müller, Pressnitz bei Komotau, Czechoslovakia, 15 Apr. 1931. Digital image available

Unit Id	*Contents*
1043a	**Instrument Type:** Flute in C **Maker Name:** William Henry Potter; William Wheatstone **Maker Place:** London; London **Maker Date:** 1806-1814; 1816-1821 **Materials:** Ebony, ivory cap, silver keys, metal-lined head and toneholes. Mouthpiece is silver-plated copper sheet metal, with ivory or bone embouchure. **Keys Holes System:** 8 keys, pewter plugs, pin in block. **Physical Description:** 4 sections, tuning slide in head. Wheatstone patented fipple mouthpiece attachment for flute. See Notes. **Measurement:** 67.4 cm. **Notes:** Mark on mouthpiece: (crown) / PATENT / W. WHEATSTONE / 128, PALLMALL. (See DCM 1043b). Mouthpiece wraps around a flute head joint and slides into position from the upper end to direct the airstream automatically to the embouchure hole. The principal element forms about 290 degrees of a metal tubing section, the resulting gap of which is adequately larger than the average flute embouchure and therefore positioned in that manner. The tubing section is mildly flexible to serve as its own clamp for maintaining a desired position on the head. Riveted to it is a second such section of partial metal tubing (about 160-170 degrees) to which is riveted (or pinned) an ivory or bone mouthpiece. Its duct is curved in a manner to deliver an airstream in the form of an arc (about 90 degrees). Between the two metal tube elements is a pair of small flat springs allowing the player to alter slightly the distance of the mouthpiece to isolate partials as necessary or for dynamic control. The inside of the device is partially lined with a cushioning material, the originality of which is unclear. See DCM 822 (regarding Patent), and DCM 1043b, 1340 (regarding mouthpiece). **Condition:** Head joint, both sections, cracked. Long F key finger spatula bent, crack under G# tonehole. **Provenance:** W. Howard Head, London, 20 Apr. 1931. Digital image available
1043b	**Instrument Type:** Flute Mouthpiece **Maker Name:** William Wheatstone **Maker Place:** London **Maker Date:** 1816-1821 **Materials:** Silver-plated copper, ivory or bone. **Physical Description:** See DCM 1043a, 1340. **Measurement:** 4.5 x 5.25 cm. **Notes:** Original cardboard container (or may have belonged to DCM 1340). **Provenance:** W. Howard Head, London, 20 Apr. 1931.

Unit Id	*Contents*
1044	**Instrument Type:** Flute (Part only) **Maker Name:** Benjamin Hallet **Maker Place:** London **Maker Date:** a1736-p1753 **Materials:** Ivory, silver or brass key (now missing). **Keys Holes System:** 1(?) key. **Physical Description:** 4 sections: head, upper and lower body, missing cap and foot. **Measurement:** 52.4 cm (as is) **Notes:** Embouchure appears unaltered. **Condition:** Head joint out of round and cracked at upper end. **Provenance:** W. Howard Head, London, 20 Apr. 1931. Digital image available
1045	**Instrument Type:** Flute in C **Maker Name:** Goulding **Maker Place:** London **Maker Date:** ca. 1786-1834 **Materials:** Figured boxwood, stained dark brown, ivory and boxwood cap, brass key, ivory ferrules. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 60.5 cm. **Condition:** Head joint and ferrule cracked at socket bearing a period repair including a well-designed tapered silver ferrule which is driven down over the socket. Additionally, a rectangular silver patch has been affixed to the ivory ferrule with 4 brass pins perforating both the ferrule and boxwood underneath to address the crack in each. Lower body joint socket has 3 cracks, including 2 in the ivory ferrule. A very curious repair attempt was introduced, the reason for which is difficult to understand: 4 brass pins perforate both the ferrule and the wood underneath, 2 on each side of one of the 2 ferrule cracks. Originally this repair perhaps addressed a single crack in the ferrule and was thus only meant to secure the ferrule to the instrument. However, continued shrinkage brought about an even wider second crack in the ferrule, and 2 of the pins have generated one of the 3 cracks in the socket itself. Foot joint bottom ferrule cracked (ivory). **Provenance:** Charles E. Derry, Omaha, Nebraska, 20 Apr. 1931. Digital image available

Unit Id	*Contents*
1046	**Instrument Type:** Flute in C **Maker Name:** William Hollings **Maker Place:** London **Maker Date:** 1874-1890 **Materials:** Cocus, nickel silver keys, ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs over round metal plates for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 64.7 cm. (as is) **Condition:** All of original cap missing. Barrel cracked and filled. Head joint upper section missing both ferrules, lower joint ferrule and foot joint ferrule missing. **Provenance:** Charles E. Derry, Omaha, Nebraska, 20 Apr. 1931. Digital image available
1047	**Instrument Type:** Flute in C **Maker Name:** Bacon & Hart **Maker Place:** Philadelphia **Maker Date:** ca. 1813-1833 **Materials:** Boxwood, ivory cap, cork-setting mechanism, and ferrules, silver keys. **Keys Holes System:** 7 keys, saltspoon, pin in block. Foot to C. Originally 6 keys, upper C key added. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.25 cm. **Condition:** Foot and lower joint sockets broken so that the decorative ivory ring and boxwood material underneath are broken and separated from their respective sockets. Upper end of upper joint contains two cracks plus the original upper tenon is broken and missing a replacement tenon having been made for it (now loose) possibly during the working period for this instrument. G# key and two elements of its block broken and separated. **Provenance:** N. C. Godsoe, of Dickinson's Old Curiosity Shop, Boston, 20 Apr. 1931. Digital image available
1048	**Instrument Type:** Avial Whistle Vessel **Maker Name:** Anonymous, South American Indian **Maker Place:** Peru **Maker Date:** Chimm period (pre-Inca) **Materials:** Pottery, reddish-grey. **Keys Holes System:** 0 holes. **Physical Description:** 4 spherical-shaped portions attached to each other. On one sphere is an effigy, probably a bird. Hollow vessel incorporating a whistle end. The chimney, most of which is broken off and missing, functioned as the mouthpiece and spout for filling the interior with varying amounts of water. **Measurement:** Height: 13 cm., diameter: 19.1 x 17.5 cm. **Notes:** DCM ledger: "From…Peru. Pre-Inca Period, called Chimm Period." **Condition:** Most of original paint is worn or missing. Chimney top broken off and missing. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 8 June 1931. Digital image available

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1049	**Instrument Type:** Clarinet in B-flat **Maker Name:** Sautermeister & Muller **Maker Place:** Lyon **Maker Date:** 1830-p1836 **Materials:** Boxwood, brass keys, ivory ferrules. **Keys Holes System:** 9 keys, saltspoon, post and rod (ophecleide-style guide posts). Pre-cross pinned with iron pins. **Physical Description:** 4 sections, mouthpiece and barrel joint now missing. **Measurement:** 62.3 cm. (as is) **Condition:** Mouthpiece and barrel missing. Upper joint altered to have socket just above register key and crudely chamfered on the outside. Upper body cross grain crack at pin. Chips of wood missing from bell near large ivory ferrule, which is also missing portion and later filled. **Provenance:** Henning Oppermann, Basel, Oct. 1930-Mar. 1931. Digital image available
1050	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Materials:** Stained boxwood, bone cap and ferrules, brass keys. **Keys Holes System:** 6 keys, shallow saltspoon, pin in block. **Physical Description:** 4 sections. **Measurement:** 59.9 cm. **Condition:** Upper foot joint ferrule cracked. **Provenance:** L. K. Watson, York, Pennsylvania, June 1931. Digital image available
1051	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1807 **Materials:** Clear glass, frosted inside, fluted exterior except at fingerholes and keywork. Silver keys, sockets, and ferrules. **Keys Holes System:** 4 keys, flat round pads, post and rod attached to oval plates bolted to instrument body (3 of 4 keys). E-flat key has posts soldered to the silver socket. The key flap is a race-track shape and articulated having a secondary pivot at the key flap to assure that it will always align exactly parallel with the tonehole seat. **Physical Description:** 4 sections. **Measurement:** 62.9 cm. **Notes:** Unlike Laurent's system of a cemented glass disk for the head joint cork, this instrument has, as received by DCM, a threaded cork tuning device with silver cap possibly from a period English instrument. The original cap is obviously missing, based on the fine ferrule threads contained inside the original upper silver ferrule. DCM ledger: "Earliest known Laurent flute (his patent was issued in Sept. 1806)." **Case:** Plaque on case engraved: I.G. **Condition:** See Notes. Head joint and middle joint socket safety hooks are missing. Foot joint key is missing screw and half of spring. **Provenance:** William Hayes, London, June/July 1931. Digital image available

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1052	**Instrument Type:** Flute in E-flat **Maker Name:** Monzani **Maker Place:** London **Maker Date:** ca. 1807-1829 **Materials:** Boxwood, ivory cap and ferrules, brass keys. **Keys Holes System:** 4 keys, square flaps, pin in block. **Physical Description:** 3 sections, head joint with tenon. **Measurement:** 50.7 cm. **Provenance:** Adam Carse, London, 23 July 1931. Digital image available
1053	**Instrument Type:** Piccolo in C **Maker Name:** Djalma Julliot **Maker Place:** La Couture **Maker Date:** 1902 **Materials:** Silver. **Keys Holes System:** Boehm system, closed G#. **Physical Description:** 2 sections, conical. **Measurement:** 31.7 cm. **Provenance:** E. Angles, Paris, 3 Aug. 1931. Digital image available
1054	**Instrument Type:** Flute in C **Maker Name:** Clair Godfroy, aîné **Maker Place:** Paris **Maker Date:** 2nd quarter 19c **Materials:** Cocus (rosewood?), silver keys, sockets, ferrules. **Keys Holes System:** 8 keys (5 keys, all but foot joint keys are missing), post and rod. **Physical Description:** 4 sections. **Measurement:** 66.05 cm. **Condition:** DCM ledger: "Keys on the body joints were never provided or else were taken off for use elsewhere in the shop." **Provenance:** Henri Selmer, Paris, 4 Aug. 1931. DCM ledger: "Descended from maker to Henri Selmer." Digital image available
1055	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Charles Bizey **Maker Place:** Paris **Maker Date:** 1716-p1752 **Materials:** Boxwood, stained reddish brown. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 52.45 cm. **Condition:** Crack in head joint nearly full length. Two cracks in body, nearly full length. **Provenance:** H. Manière, Paris, 5 Aug. 1931. Digital image available

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1056	**Instrument Type:** Flute in C **Maker Name:** Theobald Boehm **Maker Place:** Munich **Maker Date:** 1832-1839 **Materials:** Cocus, silver keys and ferrules. **Keys Holes System:** Boehm 1832 system, conical, closed G#, alternate RH 1st finger B-flat/A# key. Opens unusual extra hole near left thumb keys. Original G# tonehole and key post holes plugged. **Measurement:** 67.4 cm. **Notes:** Original embouchure hole and lower lip recessed area filled with stick shellac, and new and smaller embouchure drilled on other side. **Condition:** Original crutch bracket removed, screw holes plugged. **Provenance:** H. Manière, Paris, 5 Aug. 1931. Digital image available
1057	**Instrument Type:** Flute in C **Maker Name:** Buthod & Thibouville **Maker Place:** Paris **Maker Date:** 1857-1867 **Materials:** Cocus, silver keys and ferrules, metal-lined sockets. **Keys Holes System:** 12 keys, modern style key cups, post and rod. F# vent key for RH 3rd or 4th finger. Roller on low C. **Physical Description:** 3 sections. **Measurement:** 66.7 cm. **Condition:** Slightly warped. Small crack at socket in head joint. **Provenance:** H. Manière, Paris, 5 Aug. 1931. Digital image available
1058	**Instrument Type:** French Flageolet **Maker Name:** Thibouville-Grandin **Maker Place:** ?Paris **Maker Date:** ?late 19c **Materials:** Grenadilla(?), nickel silver keys, bone (possibly ivory) ferrules and mouthpiece. **Keys Holes System:** 2/4 holes (upper thumbhole bushed with silver shield inlay) plus 3 keys, modern style key cups, post and rod. **Physical Description:** 5 sections, including fingerhole section, fipple, 2-part sponge chamber, and mouthpiece. **Measurement:** 39.1 cm. **Provenance:** H. Manière, Paris, 5 Aug. 1931. Digital image available

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1059	**Instrument Type:** Clarinet in A and B-flat **Maker Name:** Anonymous **Materials:** Silver-plated. **Keys Holes System:** Boehm system, 18 keys, each operating oval toneholes, 6 finger rings, also controlling dual toneholes. The lower of each pair of toneholes is for the clarinet in A. The upper of each pair being for the clarinet in B-flat. Inside the main tube is an inner tube perforated with corresponding pairs of toneholes which align with either the A or B-flat outer tube toneholes when bell is rotated approximately 40 degrees. This was for supposed theatre orchestra quick-change from A to B-flat, similar to such devices for period cornets. See Notes. **Measurement:** 61.7 cm. (without mouthpiece). **Notes:** DCM ledger: "This clarinet looks somewhat like Rampone's French Patent No. 313.545, 16 Aug. 1901. Rampone has two sets of holes with two independent sets of keys: This clarinet has two sets of holes with connected double set of keys. It is exactly Buffet's Patent No. 53494, March 27, 1862." See "Preface." **Condition:** Missing mouthpiece. Right thumb hook detached. Bell garland cracked in 6 places, portions missing. **Provenance:** H. Manière, Paris, 5 Aug. 1931. Digital image available
1060	**Instrument Type:** Oboe in C **Maker Name:** Buffet-Crampon **Maker Place:** Paris **Maker Date:** p1839-p1950 **Materials:** Cocus(?), top possibly of Honduras rosewood, lower of cocus, nickel silver keys and ferrules. **Keys Holes System:** 15 keys, 4 finger rings, to low B, saltspoon keys. Double hole for finger 3 G#/A-flat in addition to the standard key for that note. **Physical Description:** Fairly early Boehm-system oboe. Two sections, upper and bell, the latter carrying keys for D# through low B. **Measurement:** 55.7 cm. **Condition:** Wood chip and possibly adjacent metal element missing at hole 3 area. Crack in lower end, bell section. **Provenance:** H. Manière, Paris, 5 Aug. 1931. Digital image available
1061	**Instrument Type:** Oboe in C **Maker Name:** Noblet & Thibouville **Maker Place:** Ivry-la-Bataille **Maker Date:** a1862-a1887 **Materials:** Boxwood, nickel silver keys and ferrules. **Keys Holes System:** 10 keys, shallow saltspoon, post and rod. Double holes for fingers 3 and 4. **Physical Description:** 3 sections. **Measurement:** 55.9 cm. **Condition:** Bell broken in several parts and missing bottom ferrule. **Provenance:** H. Manière, Paris, 5 Aug. 1931. Digital image available

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1062	**Instrument Type:** Oboe in C **Maker Name:** Anonymous **Maker Date:** ca. 1870-1880 **Materials:** Wood, likely boxwood, stained dark and varnished, nickel silver keys and one ferrule, ivory ferrules. See Condition. **Keys Holes System:** 15 keys, modern style key cups, post and rod. Duplicate F, E-flat holes, low B activated by LH little finger. Single holes 3 and 4. Tuning hole on bell. **Physical Description:** 3 sections, tuning slide in top joint. **Measurement:** 52.4 cm. **Condition:** Some finish worn. Currently finished with nickel silver ferrule from another instrument. **Provenance:** H. Manière, Paris, 5 Aug. 1931. Digital image available
1063	**Instrument Type:** Flute in C **Maker Name:** J. D. Breton **Maker Place:** Paris **Maker Date:** 1862 **Materials:** Green glass, fluted, mother-of-pearl cap, silver keys, ferrules. **Keys Holes System:** 10 keys, modern style key cups, post and rod on oval flanges bolted to instrument body. Alternate D# for LH little finger. **Physical Description:** 4 sections. **Measurement:** 66.4 cm. **Condition:** Spring missing from high D trill. **Provenance:** Couesnon et Cie., Paris, 5 Aug. 1931. Digital image available
1064	**Instrument Type:** Cuckoo Whistle **Maker Name:** Anonymous **Maker Date:** ca. 1931 **Materials:** Wood. **Keys Holes System:** Bird's head carved in 2 parts with a pivot pin and spring so that when beak is open the head feather(s) serve as a key to close a lateral hole, producing the lower note. **Physical Description:** Turned and carved in form of bird from tree branch leaving the bark partially on the exterior. One end includes fipple and block, the other has a carved bird's head **Measurement:** 17.8 cm. **Notes:** The bird's head end is decorated with a wood burning technique. **Provenance:** Curio store, Interlaken, Switzerland, 15 Aug. 1931. Digital image available

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1065	**Instrument Type:** Flute in C **Maker Name:** Collinet **Maker Place:** Paris **Maker Date:** 1819-p1842 **Materials:** Ebony(?), silver key, ivory ferrules, ivory decorative disk inlay on dome-shaped head joint cap. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 62.1 cm. **Condition:** Foot joint crack at socket and bottom ferrule. **Provenance:** Max Stöger (a music store on Zwingerstrasse), Munich, purchased for DCM by W. C. McQuillen of Los Angeles, on trip a to Munich, 13 June 1931. Mr. McQuillen left the flute with Sigmund Koch, Munich, wrapped and addressed to DCM who planned to be in Munich later that summer, recorded in DCM ledger as received 18 Aug. 1931. Digital image available
1066	**Instrument Type:** Flute in C **Maker Name:** Joseph Ebner **Maker Place:** Munich **Maker Date:** 1829-1837 **Materials:** Boxwood, brass keys, animal horn ferrules. **Keys Holes System:** 6 keys, round flaps. Foot to D. **Physical Description:** 4 sections. **Measurement:** 59.6 cm. (without cap) **Condition:** Lower ferrule and cap missing. Crack in head, repaired with iron pins. Long F key mount and upper C key mount missing. **Provenance:** S. Spaeth, Munich, 18 Aug. 1931. Digital image available
1067	**Instrument Type:** Flute in C **Maker Name:** Benedikt Pentenrieder **Maker Place:** Munich **Maker Date:** ca. 1836-1854 **Materials:** Ebony, nickel silver keys and ferrules, brass G# key (replacement). **Keys Holes System:** 7 keys, foot to C#. **Physical Description:** 3 sections. **Measurement:** 64.3 cm. **Condition:** Short F key and block missing. Possibly intentionally removed. G# key brass a replacement key from a flute or clarinet. **Provenance:** Sigmund Koch, Munich, 18 Aug. 1931. Digital image available

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1068	**Instrument Type:** Flute in C **Maker Name:** Benedikt Pentenrieder **Maker Place:** Munich **Maker Date:** ca. 1836-1854 **Materials:** Boxwood, brass keys, animal horn ferrules. Crude oak cap, not original. **Keys Holes System:** 8 keys, round flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 67 cm. **Notes:** See DCM 1038. **Condition:** Upper joint severely warped. No cracks. **Provenance:** Sigmund Koch, Munich, 18 Aug. 1931. Digital image available
1069	**Instrument Type:** Flute in C **Maker Name:** Georg Ottensteiner **Maker Place:** Munich **Maker Date:** 1851-1879 **Materials:** Boxwood, boxwood cap and head joint threaded cork-setting mechanism, nickel silver keys, ivory ferrules. **Keys Holes System:** 7 keys, foot to C#, round flaps, pin in block. **Physical Description:** 3 sections. **Measurement:** 63.2 cm. **Provenance:** Sigmund Koch, Munich, 18 Aug. 1931. Digital image available
1070	**Instrument Type:** Flute in C **Maker Name:** Adler **Maker Place:** Bamberg **Maker Date:** 1820-1923 **Materials:** Boxwood, brass key, animal horn ferrules. **Keys Holes System:** 1 key, round flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 59.15 cm. (without cap) **Condition:** Missing cap. Small crack at head joint socket. Head joint warped. **Provenance:** Sigmund Koch, Munich, 18 Aug. 1931. Digital image available

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1071	**Instrument Type:** Flute in C **Maker Name:** Christian Gottlieb Zencker **Maker Place:** Adorf **Maker Date:** ca. 1813-1848 **Materials:** Boxwood, animal horn cap [now missing] and ferrules, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 61.7 cm. **Notes:** The lower body joint socket ferrule is a 2-part design with a machine threaded tenon and socket mechanism, purpose unknown. When threaded together, the device simply forms the socket, with the ferrule length being 2.8 centimeters. The threaded tenon and socket are quite tapered, like plumbing fixtures and that along with shrinkage allow the 2 parts to join snugly for only the last complete revolution. **Condition:** Head joint cap missing, head cracked at socket, including ferrule. The lower body joint socket is cracked, including ferrule shrinkage. The foot joint socket and ferrule are cracked. See Notes. **Provenance:** Sigmund Koch, Munich, 18 Aug. 1931. Digital image available
1072	**Instrument Type:** Notched Flute **Maker Name:** Anonymous **Maker Place:** Africa **Materials:** Bamboo, decorated at bottom with cloth binding under a beaded fabric garnish. **Keys Holes System:** 0/4 holes, relatively evenly spaced. **Measurement:** 58.6 cm. **Notes:** DCM ledger: "Africa." **Condition:** Cracked and broken in 2 parts at the 3rd septum from the top. **Provenance:** Willi Wennerscheid, Berlin, 28 Aug. 1931. Digital image available
1073	**Instrument Type:** Flute in C **Maker Name:** Milhouse **Maker Place:** Newark, England **Maker Date:** a1778-p1832 **Materials:** Ivory, silver key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.3 cm. **Condition:** Key mount block, chips broken off from both sides, one crudely replaced. **Provenance:** William Powell, Birmingham, England, Aug. 1931. Digital image available

Unit Id	*Contents*
1074	**Instrument Type:** French Flageolet **Maker Name:** Henry Riley **Maker Place:** Birmingham **Maker Date:** 1851-1890 **Materials:** Unidentified dark wood, nickel silver keys, thumbhole bushing, and ferrules, ivory mouthpiece. **Keys Holes System:** 2/4 holes, fingerhole section has 4 keys and fipple section has 3 keys. See DCM 430. **Physical Description:** 5 pieces, including fingerhole section, fipple section, 2-part sponge chamber, and mouthpiece. **Measurement:** 38.1 cm. **Provenance:** William Powell, Birmingham, England, Aug. 1931. Digital image available
1075	**Instrument Type:** Flute in C **Maker Name:** John Willis **Maker Place:** London **Maker Date:** a1815-1825 **Materials:** Ivory, silver keys, ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.15 cm. **Condition:** Head joint cracked, both sections, previously filled. Foot joint bottom ferrule a replacement. **Provenance:** William Hayes, London, 26 Sept. 1931. Digital image available
1076	**Instrument Type:** Flute in C **Maker Name:** Freeman **Maker Place:** London **Maker Date:** early 19c **Materials:** Boxwood, silver-plated keys and ferrules. Bone(?) bushing at embouchure hole. E-flat mount metal-lined. **Keys Holes System:** 8 keys, saltspoon, Nicholson model, with pewter plugs over square metal plates for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.7 cm. **Condition:** Head joint, both sections, cracked, the upper section severely cracked, cross-grain, at embouchure. The embouchure bushing inlay may have been added during an early repair attempt. Head joint bottom ferrule, a nickel silver replacement. Upper and foot joints warped. Long F key block broken off, key reattached with modern style key cups, posts and rod. **Provenance:** William Hayes, London, 26 Sept. 1931. Digital image available

Unit Id	*Contents*
1077	**Instrument Type:** Flute in C **Maker Name:** William Henry Hayden **Maker Place:** London **Maker Date:** 1835-1886 **Materials:** Boxwood, stained dark brown, ivory cap and ferrules, silver keys. **Keys Holes System:** 4 keys, square flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 59.9 cm. **Condition:** G# key and part of block missing. **Provenance:** William Hayes, London, 26 Sept. 1931. Digital image available
1078	**Instrument Type:** Flute in C **Maker Name:** John Brendling **Maker Place:** London **Maker Date:** 1835-1854 **Materials:** Unidentified hard wood, stained dark brown, brass key and ferrules. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.9 cm. **Notes:** Inexpensive-grade instrument of the period. **Condition:** Head and upper body joint warped. Lower body, crack at socket. **Provenance:** William Hayes, London, 26 Sept. 1931. Digital image available
1079	**Instrument Type:** Flute in C **Maker Name:** Zenas Trivett Purday **Maker Place:** London **Maker Date:** 1831-1860 **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 61.3 cm. **Condition:** Head joint slightly cracked at socket which includes a detrimental repair attempt utilizing a twisted wire. **Provenance:** William Hayes, London, 26 Sept. 1931. Digital image available

Unit Id	*Contents*
1080	**Instrument Type:** Flute in C **Maker Name:** E. G. Williams **Maker Place:** London **Maker Date:** first half 19c **Materials:** Ebony(?), horn and ivory cap, silver keys, ivory ferrules. **Keys Holes System:** 4 keys, saltspoon, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.7 cm. **Condition:** Head joint cracked including lower ferrule which has been secured in its mortice with 2 brass pins. The head joint shows evidence of once having wire binding in several locations, possibly a crack repair attempt. It also has 10 pin or nail holes in random locations, apparently not piercing the bore, purpose unknown. The cap present with the instrument is of animal horn with a hardwood core or center also visible as a decorative element. The original cap was likely of the same wood as the instrument. Lower body cracks at socket, one extending all the way to the F tonehole. The F key block was broken off on one side, but repaired, date unknown. Foot joint, 3 cracks in socket, 2 of them full length. The foot joint and lower body ferrules are replacements, possibly by DCM. **Provenance:** William Hayes, London, 26 Sept. 1931. Digital image available
1081	**Instrument Type:** Flute in C **Maker Name:** Paine & Hopkins **Maker Place:** London **Maker Date:** 1821-1837 **Materials:** Boxwood, ivory cap and ferrules, silver keys. **Keys Holes System:** 6 keys, square flat flap, pin in block. **Physical Description:** 4 sections, foot to low C. **Measurement:** 66.6 cm. **Condition:** Two pieces of the D#, C#, C key block at foot joint are missing. **Provenance:** William Hayes, London, 26 Sept. 1931. Digital image available
1082	**Instrument Type:** Flute in C **Maker Name:** B. Revest **Maker Place:** London **Maker Date:** ?early 19c **Materials:** Ebony, silver keys, ivory ferrules and cork-setting mechanism. Head joint fully metal-lined. **Keys Holes System:** 6 keys, to low C, saltspoon, with pin in metal-lined block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.8 cm. **Condition:** Head joint, both sections, cracked, including 3 of 4 ferrules. C# lower block cracked off and missing. **Provenance:** William Hayes, London, 26 Sept. 1931. Digital image available

Unit Id	*Contents*
1083	**Instrument Type:** Flute in C **Maker Name:** Knevett **Maker Place:** London **Maker Date:** ca 1806-? **Materials:** Cocus, ivory cap and ferrules, silver keys. **Keys Holes System:** 6 keys, to low C, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 67 cm. **Condition:** Head joint more lightly stained. **Provenance:** William Hayes, London, 26 Sept. 1931. Digital image available
1084	**Instrument Type:** Flute in C **Maker Name:** Thurgood **Maker Place:** London **Maker Date:** first half 19c **Materials:** Cocus, silver keys, ferrules, and metal-lined head. **Keys Holes System:** 8 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.6 cm. **Condition:** Head joint, both sections, cracked. B-flat key block broken and partly missing; G# key block a replacement; long F key guide pins near cup an obvious addition. Short F key block cracked at pin line; middle joint socket cracked. Spacer portion of C#/C key block missing, and replaced with nickel silver vertical pin. **Provenance:** William Hayes, London, 26 Sept. 1931. Digital image available
1085	**Instrument Type:** Flute in C **Maker Name:** E. Cuddy **Maker Place:** London **Maker Date:** ?first half 19c **Materials:** Cocus, nickel silver keys. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs over square metal plates for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.95 cm. **Condition:** Head joint, both sections, cracked. Cap present but missing threaded cork shaft. B-flat key mount and key missing. Initial repair attempts not completed. **Provenance:** William Hayes, London, 26 Sept. 1931. Digital image available

Unit Id	*Contents*
1086	**Instrument Type:** Flute in C **Maker Name:** Thomas William Upcott **Maker Place:** London **Maker Date:** 1877-1915 **Materials:** Rosewood(?), nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, key cup design for low C#, C is modern, all others are shallow saltspoon. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.7 cm. **Condition:** Upper joint upper C key missing one post, with associated crack at that point. Middle joint ferrule missing a soft-soldered bead. **Provenance:** William Hayes, London, 26 Sept. 1931. Digital image available
1087	**Instrument Type:** Flute in C **Maker Name:** Goulding **Maker Place:** London **Maker Date:** ca. 1800 **Materials:** Boxwood, ivory cork-setting mechanism and ferrules, silver keys. **Keys Holes System:** 5 keys, square flat flap, foot to C#. Pin in block. **Physical Description:** 4 sections. **Measurement:** 63.9 cm. **Condition:** Lower joint gouge, chip on foot ferrule. **Provenance:** William Hayes, London, 26 Sept. 1931. Digital image available
1088	**Instrument Type:** Piccolo in C **Maker Name:** Card **Maker Place:** London **Maker Date:** 1845-1862 **Materials:** Rosewood(?), silver keys and ferrules, metal-lined head. **Keys Holes System:** 5 keys, modern style key cups, post and rod, plus 3 finger rings. Combination simple system in left hand with closed G# and Boehm system in right hand utilizing 3 finger rings. C#/D trill. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 30.2 cm. **Condition:** Barrel cracked. **Provenance:** William Hayes, London, 3 Oct. 1931. Digital image available

Unit Id	*Contents*
1089	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** ca. 1926 **Materials:** Ebonite, nickel silver keys, ferrules. **Keys Holes System:** Cylindrical bore, Boehm principles, namely, large dimensions, fully vented, and mostly open-standing keys. See Notes. For a description of its very complicated fingering scheme, see Toff, "The Development of the Modern Flute," pp.139-142. **Physical Description:** 2 sections. John William McAvoy model, British Patent No. 254,395, July 5, 1926. **Measurement:** 71.85 cm. **Notes:** Tapered and thinned head joint. DCM describes this as Boehm system modified, and "very awkward and bungling." This instrument is professionally made regarding the tube, the tonehole drilling, the ribs, rods, posts and key cups. However, all finger spatulas are crudely made and seem to have been silver soldered in an experimental way to the ends of key arms provided by the manufacturer. This may have been an early experimental prototype, not necessarily or likely the work of Rudall Carte & Co. **Provenance:** Mrs. John William McAvoy, North Wales, 21 Sept. 1931. Digital image available
1090	**Instrument Type:** Walking Stick Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Unidentified wood, silver cap, key, and ferrules, brass tip. **Keys Holes System:** 1 key, square flat flap. Pin in block. **Physical Description:** 2 sections. **Measurement:** 83.7 cm **Notes:** The upper section is a 17 centimeter long extended wooden pommel with a silver cap, silver bushed cord holes and (probably original) silver ferrule at bottom, now replaced with a nickel silver ferrule, likely from a clarinet or flute. The pommel unites the flute body proper with a 22 millimeter long tenon containing very closely fitting wooden threads. It terminates in dual lateral vent holes which perforate both the flute body and the 12 centimeter long tapered brass ferrule at bottom. **Condition:** Body curiously warped, but not cracked. Brass bottom ferrule is dented and cracked, possibly having originally been over a supporting tapered wooden element now missing. **Provenance:** J. L. Hessey, Cheshire, England, 21 Sept. 1931. Digital image available

Unit Id	*Contents*
1091	**Instrument Type:** Piccolo in C **Maker Name:** R. Burghley (Burleigh) **Maker Place:** Camden Town **Maker Date:** ca. 1845 **Materials:** Mahogany, japanned wood key and ferrules. **Keys Holes System:** 1/8 holes plus 1 key for left thumb. **Physical Description:** 2 sections. **Measurement:** 29.65 cm. **Notes:** This instrument is an octave size of a group of experimental flutes of this inventor. See DCM 1092. **Condition:** The cross piece of the RH crutch is missing. End cap missing. Chips of wood approximately 200 degrees around circumference. **Provenance:** Rudall, Carte & Co., London, 2 Oct. 1931. Digital image available

Unit Id	*Contents*
1092	**Instrument Type:** Flute in C **Maker Name:** R. Burghley (Burleigh) **Maker Place:** Camden Town **Maker Date:** ca. 1845 **Materials:** Mahogany, japanned wood keys, ivory ferrules. Cork is wood-faced. See DCM 1091. The Burghley flutes contain no metal elements at all. **Keys Holes System:** 1/7 holes plus 2 keys. Wood keys applied with wooden pegs in a way to utilize the key itself as its own spring. **Physical Description:** 3 sections. **Measurement:** 57.65 cm. **Notes:** DCM ledger: "…right-hand Crutch [missing]. No slide. Special cork screw for fixed position. Cork faced with wood. Holes of nearly uniform large size, and nearly equal spacing…. This 'Chromatic System' uses all ten fingers and thumbs, lifted successively. The left thumb does double duty, opening perforation [?] key and then opening key. This gives (with bottom open end and its octave) all the tones of the chromatic scale (two keys only needed!). A special support, or crutch, for right hand is used (this crutch is lost, not being complete on any of the seven specimens). Some of the flutes have lower foot-keys for C# and C, operated by right little finger as on ordinary flute." The endcap includes a novel threaded variation of the adjustable cork-setting mechanism. The cork itself is faced with a wooden disk. Similar to the Giorgi and other such chromatic, nearly keyless, flutes having large and well-vented toneholes, this system, despite whatever are its merits, can only be dauntingly inconvenient for the perfomer in all keys. Technical proficiency therefore has been sacrificed in favor of reduced mechanical complexity and conveniences. The tonehole seats for the keys are separate turnings of either wood or bone(?) glued into position. Each key on any of the Burghley flutes is applied at its far end with a threaded wooden, ivory or bone screw (fulcrum), squarehead for wrench or socket. A second threaded wooden machine screw (ball-shaped head) positioned near its respective tonehole secures the key and acts as a guide rod and vertical adjustment device. Each key on Burghley flutes is designed and applied in a way that it becomes its own spring. This basic straight model (DCM 1092) was perhaps the prototype which is awkward to hold given the fingering problems posed by the left little finger and right hand thumb toneholes. The next two C treble flutes (DCM 1093, 1094) seem to be attempts to render at least the treble or C flute-size more comfortable. Each size and model of the Burghley flute is equipped with a right hand crutch made entirely of wood components which fills the glove space between the thumb and the right hand 1st finger and the instrument, similar to the crutch currently used on the German bassoon. Even with the crutch, these instruments are quite awkward to hold. In addition to these seven Burghley flutes (DCM 1091 through 1097) Miller completed the set with a bass (DCM 1238), likely in C. **Condition:** Crutch missing entirely. Low D key broken between guide pins but improperly repaired so that it is now sprung in the closed position whereas it should stand open. One must comment regarding all of the Burghley flutes that their design and materials are absurdly quite fragile, especially for the alto and bass models. They appear for good reason(s) to have had little or no use, which may explain their relatively good condition regarding a surprisingly low number of cracks. **Provenance:** Rudall, Carte & Co., London, 2 Oct. 1931. Digital image available

Unit Id	*Contents*
1092a	**Instrument Type:** Wood Crutch or Finger Guide Elements **Maker Name:** R. Burghley (Burleigh) **Maker Place:** Camden Town **Maker Date:** ca. 1845 **Physical Description:** 8 mahogany or japanned wood crutch or finger guide elements which pertain to instruments of this sort and by this maker/inventor, but do not appear to fit any in the DCM collection. **Provenance:** Rudall, Carte & Co., London, 2 Oct. 1931.
1093	**Instrument Type:** Flute in C **Maker Name:** R. Burghley (Burleigh) **Maker Place:** Camden Town **Maker Date:** ca. 1845 **Materials:** Mahogany, japanned wood key, ivory ferrules, D key tonehole seat and key pins (machine screws), cork wood-faced. See DCM 1091. **Keys Holes System:** 3/7 holes plus 1 key. **Physical Description:** 3 sections. **Measurement:** 55.1 cm. (without cap). **Notes:** DCM ledger: "By means of jointed-swivel head, the embouchure can be made to have various angles, in two planes, with body tube. This is to make it possible to close the many fingerholes. This is clearly a 'development' of previous straight model." Perhaps it would be more accurate to say that this adjustable model allows head joint motion in 3 planes, none of them actually rendering the instrument comfortable to play. Unlike the basic straight model (DCM 1092) with a more convenient perforated left thumb key, it has on this instrument been replaced with 2 adjacent half-moon thumbholes. See DCM 1092. **Condition:** End cap with inner threads for cork-setting mechanism missing. DCM indicated that the right hand crutch is missing, although a crutch is present with the instrument and does fit it. Low D key broken between guide pins and repaired in a manner which has defeated its spring design. **Provenance:** Rudall, Carte & Co., London, 2 Oct. 1931. Digital image available

Unit Id	*Contents*
1094	**Instrument Type:** Flute in C **Maker Name:** R. Burghley (Burleigh) **Maker Place:** Camden Town **Maker Date:** ca. 1845 **Materials:** Mahogany, japanned wood key, ivory ferrules, key pins (machine screws), key bushing, and cork-setting mechanism. See DCM 1091. **Keys Holes System:** 3/7 holes plus 1 key and 2 vent holes. Foot to C#. **Physical Description:** 3 sections. **Measurement:** 63.5 cm. **Notes:** Similar to DCM 1093, this offers a variation of the angled head joint for holding convenience, but adjustable only in one plane (see DCM 1092). However, rather than being adjustable with multiple tenon and socket components, this is a one-piece head joint appearing to be bent 45 degrees beginning about 3 centimeters beyond the embouchure hole. However, its construction involves no bending and it has been carved from a suitable piece of mahogany with the grain favoring the embouchure hole of the instrument. See DCM 1092. **Condition:** Right hand crutch missing. **Provenance:** Rudall, Carte & Co., London, 2 Oct. 1931. Digital image available

Unit Id	*Contents*
1095	**Instrument Type:** Alto Flute in G **Maker Name:** R. Burghley (Burleigh) **Maker Place:** Camden Town **Maker Date:** ca. 1845 **Materials:** Mahogany, japanned wood keys, ferrules, tonehole bushing (removable), end caps, crutch, and bone(?) studs and key adjustment mechanism. See DCM 1091. **Keys Holes System:** 1 (RH thumb, bushed) / 6 holes plus 6 keys. The fingering scheme for this instrument is the same as for DCM 1092, with distant toneholes covered by keys as necessary, including low C#, C. See Notes. **Physical Description:** 4 sections: 2-part angular head joint, main body joint, and extended foot joint. Head joint currently assigned to this flute may originally have been to DCM 1096, or vice versa. **Measurement:** 87.8 cm. (with head joint that fits). **Notes:** The head joint (see DCM 1096, Notes) is in 2 parts, the lower of which is angular (approximately 40 degrees) in construction allowing adjustment in 2 planes. The main body joint has a crutch for the right hand. The foot has 3 long keys pinned to the end of an extended or flared bell section which is acoustically of marginal function due to a pair of vent holes positioned about 6.8 centimeters from the lowest (written C) tonehole. The keys are positioned one above the other for their entire length, terminating in carved wooden touch pieces, the C#, C keys are notched in a way to allow stacking of the keys so that closing the longer, for C#, also closes the D hole, and the C touch piece will close all 3 toneholes. At their lower end, the keys are attached with a wooden threaded pin so that each forms its own spring. Each tonehole cover hangs from a wooden threaded shaft thereby making it adjustable in height. Another wooden threaded pin perforates all 3 keys at their upper end (between the D#, D holes) serving as an alignment and adjustment post. The D key lever at the bottom of its touchpiece is perforated and threaded to receive a perpendicular threaded bone pin. It is in turn similarly threaded to receive another perpendicular threaded bone pin. Purpose unknown. It appears to be an adjustment mechanism although the threading allows far too much play to maintain any given fixed position. See DCM 1092. See "Flute Misnomers" regarding Bass vs. Alto. **Condition:** Head joint, both sections, cracked and unsuccessfully repaired. The upper left thumb key is missing its lower (attaching) pin or bolt (see DCM 1092). Foot joint C# tonehole key (C key) pad cup missing. Guide pin for all 3 keys stripped. D key lever above guide post broken off and repaired. **Provenance:** Rudall, Carte & Co., London, 2 Oct. 1931. Digital image available

Unit Id	*Contents*
1096	**Instrument Type:** Alto/Bass Flute in G (See Physical Description.) **Maker Name:** R. Burghley (Burleigh) **Maker Place:** Camden Town **Maker Date:** ca. 1845 **Materials:** Mahogany, japanned wood keys, key bushings, cork-setting mechanism, and ferrules. Bone(?) key adjustment mechanism and décor. See DCM 1091. **Keys Holes System:** 1/6 holes plus 6 keys plus 2 vent holes. **Physical Description:** 3 sections. This instrument is an elongated version of DCM 1095, see DCM 1092 and 1095. An experimental model for larger bore of a flute in G. **Measurement:** Not measured as is, see Notes. DCM ledger: "Length overall: 961 [mm]." **Notes:** This differs from DCM 1095 in that the bell section beneath the 2 vent holes is elongated likely for the purpose of achieving longer and thus perhaps better sprung keys. Like DCM 1095, the keys are attached very close to the end of that bell section. It also differs in that fingerhole 6 has a raised bushing for more assured finger coverage, and it is aided by a threaded, bone(?) adjustable finger guide attached to the D key by a disk or button which restricts its motion to the player's right. Regarding DCM 1095, DCM states that the head joint does not fit at socket. The head joint in question would seem to be more appropriate to DCM 1096, and so we are cataloging this instrument as such. However, the socket is indeed not deep enough for the respective tenon of either flute, it being 4.7 millimeters. See DCM 1092 and 1095 (regarding key stacking). **Condition:** Head joint, upper section, cracked. Cap chipped. Missing longer left thumb key (broken off at pivot). Missing RH crutch. Missing decorative bone stud over low C key guide post. Missing one of 2 vent hole bushings. **Provenance:** Rudall, Carte & Co., London, 2 Oct. 1931. Digital image available

Unit Id	*Contents*
1097	**Instrument Type:** Alto Flute in G(?) (See Notes.) **Maker Name:** R. Burghley (Burleigh) **Maker Place:** Camden Town **Maker Date:** ca. 1845 **Materials:** Mahogany, japanned wood keys, ferrules, and head joint cap with cork-setting mechanism (now missing). See DCM 1091. **Keys Holes System:** 1/5 holes plus 7 keys plus 2 vent holes (bushed). See DCM 1092. **Physical Description:** 3 sections: adjustable head joint in 5 pieces, body, and foot joint. This flute appears to be an enlarged bore version of DCM 1094 and 1095. **Measurement:** 99.6 cm. (as is) **Notes:** DCM ledger: "Tenor Flute in F." Tonehole spacing is increased enough compared to DCM 1094 and 1095 that this might have been intended to be, as according to DCM, a Tenor in F. However, the overall length appears not to be long enough for the instrument to be in F. Another experimental G Alto is likely. It is different in several ways other than enlarged bore: the foot keys D, D-flat, and C have enlarged toneholes utilizing the key stacking principle and notched touchpiece design of others cited above (see DCM 1095). In addition to the attaching pin at the bottom of the foot and the adjustable guide pin between the D and C# toneholes, the D key includes an integral carved ringed construction which surrounds the D# and C tonehole covers. The C# key is similar, having one such integral carved ring which surrounds the C tonehole cover. Key height adjustment is regulated as in DCM 1095. **Condition:** Head joint cap and cork-setting mechanism missing. Ferrule broken. Lower left thumb key pin missing. Upper thumb key broken off near attachment point and missing. Left little finger key broken off at attachment point, guide pin broken off, base still intact. A third finger key broken off at attachment point and missing, its guide post broken, base still intact in instrument. C tonehole cover threaded shaft has a threaded cap, the same shafts for D and C# toneholes may also have had similar caps, now missing. Body joint socket cracked and missing approximately 40 degrees of its respective wooden ferrule. The crutch bracket is missing; and, 4 of 10 body joint tonehole seats are missing portions of outer perimeter flange material. **Provenance:** Rudall, Carte & Co., London, 2 Oct. 1931. Digital image available
1098	**Instrument Type:** Bass in C **Maker Name:** Wigley & McGregor **Maker Place:** London **Maker Date:** 1811-1816 **Materials:** Boxwood, brass keys and U-bend pipe, ivory ferrules. **Keys Holes System:** 8 keys, 4 keys with 4 extra keys covering principal rank toneholes 1, 3, 4, and 6. Round flat flaps, foot to D, pin in block. **Physical Description:** 4 sections, with crook: head joint in 3 portions; 2 single tubes connected by a U-bend pipe. **Measurement:** 87.5 cm. **Notes:** See DCM 1239. **Condition:** Head joint, both wooden sections cracked, one original ivory ferrule cracked, plus a later added ivory ferrule cracked, and head joint cap ivory ferrule cracked and missing about 12 millimeters of material. Brass pipe possibly original, formed from 2 lateral halves, inner and outer seam, with patches on seams. Several keys missing springs. **Provenance:** Rudall, Carte & Co., London, 2 Oct. 1931. Digital image available

Unit Id	*Contents*
1099	**Instrument Type:** Flute in C **Maker Name:** Charles Wigley **Maker Place:** London **Maker Date:** 1804-1811 **Materials:** Figured boxwood, ivory cap, cork-setting mechanism, and ferrules, silver keys. Metal-lined head, toneholes, and blocks. **Keys Holes System:** 6 keys, pewter plug over metal-lined holes, foot to C. Pin in brass-lined block. **Physical Description:** 4 sections, tuning slide in head, fully lined. This instrument possibly had 3 corps de rechange. **Measurement:** 67 cm. **Condition:** Head joint, both sections, cracked, including upper section ferrule which is partially covered with an added nickel silver ferrule as a crack repair attempt. Upper body joint slightly warped. **Provenance:** J. Cheetham, Birkenhead, England, 1 Oct. 1931. Digital image available
1100	**Instrument Type:** Flute in C **Maker Name:** Fentum; W. Milhouse **Maker Place:** London; London **Maker Date:** 1784-1836; 1787-1841 **Materials:** Boxwood, ivory cap and ferrules, silver keys. **Keys Holes System:** 6 keys, square flat flaps, foot to C. Pin in block. **Physical Description:** 4 sections. **Measurement:** 65 cm. **Notes:** The foot joint of the instrument is apparently from the W. Milhouse shop and although the reason for adding it to this flute is unknown, it does fit it stylistically and musically. However, the E-flat key is unnecessarily large and clumsy and is apparently from yet another instrument, part of the flap having been cut away to achieve a fit. An attempt was made to remove the Milhouse mark from the foot. DCM ledger: "The flaps of the keys on upper body have initials 'CWJ' scratched on them; the key on lower body...also has same initials. Upper body has scratched on wood 'May 6, 1833.'" **Condition:** See Notes. Head joint cap has been altered or possibly replaced. G# key block cracked on one side. **Provenance:** J. Cheetham, Birkenhead, England, 1 Oct. 1931. Digital image available

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1101	**Instrument Type:** Flute in C **Maker Name:** Christopher Gerock **Maker Place:** London **Maker Date:** 1804-1837 **Materials:** Boxwood, ivory (bone?) cap (original?) and ferrules, silver keys. **Keys Holes System:** 4 keys, square flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.65 cm. **Condition:** F key block broken off on one side and resulting in loss of the key, although a replacement mount was crudely constructed for it and applied with steel pins. G# key block slight chip of wood missing. DCM ledger: "Short F key missing." **Provenance:** J. Cheetham, Birkenhead, England, 1 Oct. 1931. Digital image available
1102	**Instrument Type:** Flute in C **Maker Name:** W. Milhouse **Maker Place:** London **Maker Date:** ca. 1797-1822 **Materials:** Boxwood, ivory cap and ferrules, silver keys, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs over metal-lined holes for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.95 cm. (without cap) **Condition:** Head joint barrel cracked and filled. **Provenance:** J. Cheetham, Birkenhead, England, 1 Oct. 1931. Digital image available
1103	**Instrument Type:** Flute in C **Maker Name:** Card **Maker Place:** London **Maker Date:** ca.1863-1876 **Materials:** Boxwood, appearing somewhat like maple, silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon. Pewter plugs for low C#, C, modern post and rod. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.6 cm. **Condition:** Head joint, upper section, cracked. The embouchure hole, the 2nd finger RH tonehole and possibly the 1st finger right hand have been drastically enlarged by an amateur craftsman. Foot joint bottom ferrule possibly a replacement by DCM. **Provenance:** J. Cheetham, Birkenhead, England, 1 Oct. 1931. Digital image available

Unit Id	*Contents*
1104	**Instrument Type:** Flute in C **Maker Name:** Bellissent **Maker Place:** Paris **Maker Date:** a1819-1842 **Materials:** Cocus, silver keys, ferrules, guide saddles for C, long F keys. Metal-lined sockets. **Keys Holes System:** 6 keys, round flaps. Post and rod on crescent-shaped flanges. **Physical Description:** 4 sections, with extra upper joint. **Measurement:** 61.2 cm., 62.4 cm. **Provenance:** J. Cheetham, Birkenhead, England, 1 Oct. 1931. Digital image available
1105	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous, South American Indian (Hunncayo) **Materials:** Cane, painted. **Keys Holes System:** 0/6 holes. Two groups of 3 fingerholes are widely spaced. **Physical Description:** Tube stripped of its bark and decoratively painted with bands of geometric figures alternating with bands of drab green, and a painted sun. **Measurement:** 78.8 cm. **Notes:** DCM ledger: "Indian, Hunncayo, South America." **Provenance:** Scott E. Forbush, Pasadena, California, 5 Nov. 1931. Digital image available
1106	**Instrument Type:** Panpipes (Rondador) **Maker Name:** Anonymous, South American Indian (Guayaquil) **Maker Place:** Ecuador **Materials:** Bamboo. **Physical Description:** 30 pipes. **Measurement:** 34.3 (maximum frame) x 26.7 (longest pipe) x 5.4 cm. (shortest pipe) **Notes:** DCM ledger: "Ecuador, Guayaquil." **Provenance:** Scott E. Forbush, Pasadena, California, 5 Nov. 1931.
1107	**Instrument Type:** Whistle (Fragment) **Maker Name:** Anonymous, South American Indian (Manabi) **Maker Place:** Ecuador **Materials:** Black clay. **Physical Description:** Tapered body terminating in flared base. **Measurement:** 7.2 cm. **Notes:** DCM ledger: "Manabi, Ecuador." **Provenance:** Scott E. Forbush, Pasadena, California, 5 Nov. 1931. Digital image available

Unit Id	*Contents*
1108	**Instrument Type:** Vertical (Notched) Flute **Maker Name:** Anonymous, South American Indian (Nasca) **Maker Place:** Pisco, Peru **Materials:** Terracotta. **Keys Holes System:** 1/6 holes **Physical Description:** Charcoal-colored with alternating stair-step, diagonal line, diamond, and circular decorative patterns. **Measurement:** 20.1 cm. **Notes:** DCM ledger: "Indian, Nasca, Pisco, Peru." **Condition:** Exterior elements chipped and missing at upper end. **Provenance:** Scott E. Forbush, Pasadena, California, 5 Nov. 1931. Digital image available
1109	**Instrument Type:** Bone Pipe **Maker Name:** Anonymous (See Notes.) **Materials:** Llama bone(?). **Keys Holes System:** See Notes. **Physical Description:** See Notes. **Measurement:** 23.5 cm **Notes:** Previously identified as a Kena (notched flute) possibly of llama bone, and of South American Indian (Nasca, Pisco, Peru) origin. However, although containing 4 neatly drilled fingerholes, the upper end is not notched but contains 3 apertures, one being another neatly drilled hole on the back, the second being an end hole of apparently man-made origin, and the third a hole on the (player's) right side due to breakage. None of the above will apparently serve as a flute edge or duct. **Provenance:** Scott E. Forbush, Pasadena, California, 5 Nov. 1931. Digital image available
1110	**Instrument Type:** Vertical Whistle Flute (Pingullo) **Maker Name:** Anonymous, South American Indian (Guayaquil) **Maker Place:** Ecuador **Materials:** Bamboo. **Keys Holes System:** 1/2 holes. **Physical Description:** Having only 3 fingerholes, these are similar to pipes, so-called, as used by pipe and tabor players. They are intended for playing high in the harmonic series. **Measurement:** 29 cm. **Notes:** DCM ledger: "Indian, Ecuador, Guayaquil." **Provenance:** Scott E. Forbush, Pasadena, California, 5 Nov. 1931. Digital image available

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1111	**Instrument Type:** Vertical Whistle Flute (Pingullo) **Maker Name:** Anonymous, South American Indian (Guayaquil) **Maker Place:** Ecuador **Materials:** Bamboo. **Keys Holes System:** 1/2 holes. **Measurement:** 27.1 cm. **Notes:** DCM ledger: "Indian, Ecuador, Guayaquil." **Provenance:** Scott E. Forbush, Pasadena, California, 5 Nov. 1931. Digital image available
1112	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous, South American Indian (Jibaros) **Maker Place:** Ecuador **Materials:** Bamboo, beans, beads, seeds, bird feathers, wax resin. **Keys Holes System:** 0/6 holes plus enormous embouchure hole. Holes burned in. **Physical Description:** Decorated with painted geometric designs under shellac. Ferrules and upper cap of beans, dyed red, strung together and set into wax resin mounts. Further decorated by an extended string of such beads interspersed with light-colored grey unidentified seeds, and terminating with a brown bean. The bottom end is further decorated with small dyed bird feathers set into the bottom wax resin mount. **Measurement:** 43.8 cm. **Notes:** DCM ledger: "Indian, Jibaros, Ecuador." **Provenance:** Scott E. Forbush, Pasadena, California, 5 Nov. 1931.
1113	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous, South American Indian (Jibaros) **Maker Place:** Ecuador **Materials:** Bamboo. **Keys Holes System:** 0/4 holes. **Physical Description:** Similar to DCM 1112. **Measurement:** 39 cm. **Notes:** DCM ledger: "Indian, Jibaros, Ecuador." **Condition:** Upper cap decorative resin ferrule broken away and almost entirely missing. **Provenance:** Scott E. Forbush, Pasadena, California, 5 Nov. 1931.
1114	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous, South American Indian (Jibaros) **Maker Place:** Ecuador **Materials:** Bamboo. **Keys Holes System:** 0/3 holes. **Physical Description:** Similar to DCM 1112, except with fingerholes set low on pipe and with smaller embouchure hole. **Measurement:** 47.45 cm. **Notes:** DCM ledger: "Indian, Jibaros, Ecuador." **Provenance:** Scott E. Forbush, Pasadena, California, 5 Nov. 1931.

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1115	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous, South American Indian (Jibaros) **Maker Place:** Ecuador **Materials:** Bamboo. **Keys Holes System:** 0/2 holes. **Physical Description:** Similar to DCM 1112, except fingerholes set quite low, and with smaller embouchure hole. **Measurement:** 34.6 cm. **Notes:** DCM ledger: "Indian, Jibaros, Ecuador." **Condition:** Middle and upper decorative resin-bead ferrule broken away and mostly missing. **Provenance:** Scott E. Forbush, Pasadena, California, 5 Nov. 1931.
1116	**Instrument Type:** Kena (Notched Flute) **Maker Name:** Anonymous, South American Indian **Maker Place:** Ecuador **Materials:** Cane. **Keys Holes System:** 1/5 holes. 6 neatly burned-in toneholes, the lowest of which is offset for right little or 4th finger comfort. **Measurement:** 39.65 cm. **Notes:** DCM ledger: "From the Indians of the region of the river Napo, near Peruvian frontier in Ecuador." Septum at the bottom of the instrument has been crudely perforated rather than fully removed. **Provenance:** Scott E. Forbush, Pasadena, California, 5 Nov. 1931.
1117	**Instrument Type:** English Horn in F **Maker Name:** Wolfgang Küss **Maker Place:** Vienna **Maker Date:** 1810-1839 **Materials:** Boxwood, brass keys and surviving bocal, ivory ferrules, knee. **Keys Holes System:** 9 keys, square and octagonal flaps. Pin in block. **Physical Description:** 3 sections. Angular knee model with ivory joint. **Measurement:** 73.1cm. **Condition:** One of the wings on the bocal is bent. **Provenance:** Schmidt Brothers, Cleveland, Ohio, 6 Nov. 1931. Digital image available

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1118	**Instrument Type:** Oboe in C **Maker Name:** Augustin Grenser **Maker Place:** Dresden **Maker Date:** 1744-p1798 **Materials:** Boxwood, brass keys, ivory ferrules. **Keys Holes System:** 2 keys, round flaps. **Physical Description:** 3 sections. **Measurement:** 57.6 cm. **Notes:** Unusual top joint, likely second half to late 18th century; however, the inner diameter is unusually large for a late 18th century oboe (baroque-like). External turnings for upper half of top joint are atypical. **Condition:** Upper ivory ferrule and keys are replacements, made by DCM. **Provenance:** Schmidt Brothers, Cleveland, Ohio, 6 Nov. 1931. Digital image available
1119a	**Instrument Type:** Bassoon in C **Maker Name:** Astor **Maker Place:** London **Maker Date:** 1799-ca. 1831 **Materials:** Maple, brass keys, key saddles, and ferrules. **Keys Holes System:** 6 keys, standard early 19th century English key design; flat tear-drop key flaps for F, D, and low B-flat. **Physical Description:** 4 sections. **Measurement:** 123.3 cm. **Condition:** Bocals missing. Worm damage, all sections. Wing joint ferrule missing. G# key missing entirely. Low F key finger lever section broken in 3 places, curved finger spatula piece broken off (detached) and approximately 1 centimeter is missing from lower end. Low B-flat key lever section broken and missing approximately 4.5 centimeters; key flap broken off at saddle and missing. Wood gouged at bass joint upper tenon edge. Lower portion of tenor joint wing missing. Several cracks upper end of boot joint sockets. **Provenance:** Source not known. Digital image available
1119b	**Instrument Type:** Bassoon in C **Maker Name:** Samuel Gottfried Wiesner **Maker Place:** Dresden **Maker Date:** 1826-1867 **Materials:** Curly maple, brass keys, key saddles, key guard, and ferrules. **Keys Holes System:** 17 keys, oval flap. G# key opens at rear of boot and is also playable by right thumb. **Physical Description:** 4 sections. **Measurement:** 127.25 cm. **Condition:** Brass bocals missing. Crack at upper end of bass joint addressed with period brass ferrule attempt to repair. Boot joint cracks in both sockets. Low B key an apparent addition, possibly period. Low B tonehole obviously misplaced too far toward end of bell. **Provenance:** C. A. Selzer, Cleveland, Ohio, 11 Dec. 1931. Digital image available

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1119c	**Instrument Type:** Bassoon in C **Maker Name:** Johann Andreas Mollenhauer **Maker Place:** Fulda **Maker Date:** 1822-1870 **Materials:** Maple, brass keys, key saddles, ferrules, and lower D key guard. **Keys Holes System:** 13 keys, round flat flap, slightly curved as necessary. **Physical Description:** 4 sections. **Measurement:** 127.8 cm. **Condition:** Bocal missing. Crack in boot joint socket, bass side. Missing plate screws for bottom of boot. Bell cracked at both ends and missing original upper ferrules, probably ivory. **Provenance:** Source not known. Digital image available
1120	**Instrument Type:** Panpipes **Maker Name:** Anonymous, South American Indian (Choco) **Maker Place:** Colombia **Materials:** Bamboo. **Physical Description:** 23 pipes. **Measurement:** 25.7 (length) x 17.2 (longest) x 4.7 (shortest) cm. **Notes:** DCM ledger: "Choco Indians. Columbia [sic], S.A. Pacific Coast. Low Lands." **Condition:** Missing one pipe. **Provenance:** Andrew Meyer, Cleveland, Ohio, 21 Dec. 1931.
1121	**Instrument Type:** Flute in C **Maker Name:** Triebert **Maker Place:** Paris **Maker Date:** 1810-early 20c **Materials:** Cocus, silver keys and ferrules. **Keys Holes System:** 6 keys, saltspoon, on crescent-shaped flanges. Diamond-shaped guide saddles for C and long F. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 61.35 cm. **Condition:** Head, both sections, cracked entire length, and filled. Short long F contains amateur repair. **Provenance:** Mrs. J. G. Griswold, Cleveland, Ohio, 8 Feb. 1932. Formerly owned by William D. Evans, Principal Musician and Fife Major with Co. G. 27 Ohio Volunteer Regiment in the Civil War, and father of the donor. Digital image available

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1122	**Instrument Type:** Flute in C **Maker Name:** George Cloos **Maker Place:** New York **Maker Date:** 1862-end of 19c **Materials:** Cocus, nickel silver key and ferrule. **Keys Holes System:** 1 key, modern style key cup, post and rod. **Physical Description:** 4 sections. **Measurement:** 60.5 cm. **Condition:** Head joint cracked at socket. **Provenance:** Norval Stewart, Binghamton, New York, 12 Feb. 1932. Digital image available
1123	**Instrument Type:** Piccolo in C(?) **Maker Name:** Anonymous **Maker Date:** ca. 1880 **Materials:** Cocus, nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 6 keys, round flap, post and rod. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 29.4 cm. (without cap) **Condition:** Missing end cap. Barrel cracked into 2 pieces. **Provenance:** Nadine Mills, Berea, Ohio, 12 Feb. 1932. DCM ledger: "…it probably came from the old 'Lawrence & Miller' store. It may have been the first piccolo played by Dayton C. Miller." Digital image available
1124	**Instrument Type:** Flute in C **Maker Name:** Cahusac **Maker Place:** London **Maker Date:** end of 18c **Materials:** Ivory, silver key. **Keys Holes System:** 1 key, square flap, slightly curved. **Physical Description:** 4 sections. **Measurement:** 61.3 cm. **Condition:** Ivory chipped below key. **Provenance:** W. Howard Head, London, 13 Feb. 1932. Digital image available

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1125	**Instrument Type:** Flute in C **Maker Name:** Thomas Stanesby, junior **Maker Place:** London **Maker Date:** p1713-ca. 1754 **Materials:** Ivory, flat disk silver cap joined to a wooden plug, and silver key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections, with head joint carrying the tenon as in the English style. **Measurement:** 60.85 cm. **Notes:** Embouchure hole appears to be unaltered. **Condition:** Head joint, crack near tenon. Foot joint cracked at socket, and below E-flat tonehole. **Provenance:** W. Howard Head, London, 13 Feb. 1932. Digital image available
1126	**Instrument Type:** Flute in C **Maker Name:** John Parker **Maker Place:** London **Maker Date:** a1770-p1815 **Materials:** Boxwood, lightly stained, ivory cap and ferrules, silver key. **Keys Holes System:** 1 key, square flat flap. **Physical Description:** 4 sections. **Measurement:** 60.1 cm. **Condition:** Key broken, missing finger spatula and spring. Instrument received by DCM with "broken key." Foot joint lower ferrule apparently replaced with ferrule made by DCM. **Provenance:** W. O. Leary, London, 3 Mar. 1932. Digital image available
1127	**Instrument Type:** Flute in C **Maker Name:** Preston; Milligan **Maker Place:** London; London **Maker Date:** 1776-1834; second quarter 19c **Materials:** Boxwood, ivory cap and ferrules, silver and brass keys (originally silver keys?), metal-lined head. **Keys Holes System:** 4 keys, square flaps, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 60.2 cm. **Condition:** This instrument has suffered folk repair work, including a nickel silver G# key flap which is too short to cover the tonehole, a nickel silver replacement F key including a replacement block not well morticed into the body, the key apparently reduced in size from an older flute or clarinet key. The E-flat key is a very crudely made brass replacement. The end cap is of a smaller diameter than the tubing outer dimension and obviously from another instrument. The head joint upper section lower ferrule appears to be a replacment, although rather well done. Embouchure hole has been crudely enlarged, both sections of the head joint are cracked, and the upper section is filled. **Provenance:** W. O. Leary, London, 3 Mar. 1932. Digital image available

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1128	**Instrument Type:** Flute in C **Maker Name:** G. A. Rottenburgh **Maker Place:** Brussels **Maker Date:** ca. 1744-1803 **Materials:** Boxwood, ivory cap and ferrules, brass key. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections, with 2 additional upper joints. See Notes, and DCM 619. **Measurement:** 60.2 cm., 64.45 cm., 65 cm. **Notes:** Mark on 2nd extra upper joint: 2 / G. A. ROTTENBURGH / (6-pointed star). This joint was, according to DCM: "taken from No. 619." **Condition:** One side of key mount broken and missing, later replaced with similar wood applied with 2 iron pins. The damage apparently resulted in the loss of the original key, replaced at some point with the present very crudely crafted painted brass key. The foot joint lower ferrule is also missing and replaced with a metal (brass?) ferrule painted black. **Provenance:** W. O. Leary, London, 3 Mar. 1932. Digital image available
1129	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Materials:** Grenadilla, nickel silver cap, lip plate ferrule, and keys. **Keys Holes System:** 8 keys, modern style key cups, post and rod, with pewter plugs over round metal plates for C#, C. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 66.1 cm. **Condition:** Barrel cracked, formerly repaired with 2 cross pins. **Provenance:** Richard Halloran, Cleveland, Ohio, Mar. 1932. Digital image available
1130	**Instrument Type:** Flute in C **Maker Name:** Andrew Kauffmann **Maker Place:** London **Maker Date:** a1807-1827 **Materials:** Ivory, silver keys and ferrules. **Keys Holes System:** 8 keys, round, modern style key cups, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.9 cm. (without cap) **Condition:** Head joint, both sections, cracked, head joint cap missing. Upper joint lower tenon broken off, right hand joint tenon broken off and lodged in foot joint socket. Foot joint missing lower ferrule, and cracked in key mounting ring. **Provenance:** Harold Reeves, London, 4 Apr. 1932. Digital image available

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1131	**Instrument Type:** Flute in C **Maker Name:** Hawes **Maker Place:** London **Maker Date:** 1826-1847 **Materials:** Ivory, silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.8 cm. **Condition:** 2 cracks in head joint. **Provenance:** Harold Reeves, London, 4 Apr. 1932. Digital image available
1132	**Instrument Type:** Flute in C **Maker Name:** Marius Henry Colonieu **Maker Place:** London **Maker Date:** 1894-1917 **Materials:** Cocus, nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** Cylindrical Boehm system for the left hand, old system for the right hand including both long and short F fingering and a fully vented forked F fingering. Foot to C, with roller. **Physical Description:** 3 sections. **Measurement:** 67.1 cm. **Condition:** Head joint cracked full length due to metal tube therein. **Provenance:** Harold Reeves, London, 4 Apr. 1932. Digital image available
1133	**Instrument Type:** Walking Stick Shakuhachi (Notched Flute) **Maker Name:** Anonymous **Materials:** Bamboo, cap and ferrule of unidentified plastic, horn uta-guchi. **Keys Holes System:** 1/4 holes, closed at one end. **Physical Description:** Tozan style. **Measurement:** 84.7 cm.; playable Hassun 1.8 **Notes:** The instrument has a 10.4 centimeter-long plastic pommel cap with coarse inner threads at the bottom which affix to a threaded plastic ferrule situated 7.7 centimeters from the top. Scanned without pommel. **Condition:** Cracked full length through rear vent hole, and open enough that the plastic cap may no longer be applied to it. **Provenance:** Isamu Hirabayashi, Tokyo, Japan, 4 Apr. 1932. Digital image available

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1134	**Instrument Type:** Flute in C **Maker Name:** Rudall Rose Carte & Co. **Maker Place:** London **Maker Date:** 1852-1857 **Materials:** Silver. **Keys Holes System:** 8 keys, conical bore, principal rank fingerholes have wide comfortable finger plates mounted on tall tonehole chimneys tapered to include undercutting. Modern key design except for pewter plug on low C#, C. **Physical Description:** 3 sections, terminating in small decorative bell at bottom of foot joint. Cap, embouchure barrel, middle joint upper ferrule, and bell all have decorative floral leaf engraving. **Measurement:** 67.2 cm. **Notes:** Head joint fits into very deep middle joint socket (68 mm.). **Condition:** Upper C key bumper missing(?). **Provenance:** J. Clayton Boyes, Bushey, England, 4 Apr. 1932. Digital image available
1135	**Instrument Type:** Flute in C **Maker Name:** Thomas Prowse **Maker Place:** London **Maker Date:** 1832-1868 **Materials:** Cocus(?), silver lip plate, keys, silver ferrules over ivory, mother-of-pearl bushing at embouchure hole. **Keys Holes System:** 8 keys, saltspoon, except low C#, C (with double reverse leaf springs and roller), Nicholson style, pin in block. Foot originally pre-cross pinned at the E-flat/C# block. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 66 cm. **Notes:** Right hand joint has a slight flattened section cut along the fingerhole area. **Condition:** Head joint, both sections, cracked, with nickel silver cross pin. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1932. Digital image available
1136	**Instrument Type:** Flute in C **Maker Name:** Abel Siccama **Maker Place:** London **Maker Date:** 1848-1862 **Materials:** Cocus, silver plate over brass keys, ferrules, metal-lined head. **Keys Holes System:** 10 keys, with pewter plugs over round metal plates for C#, C. **Physical Description:** 3 sections, tuning slide in head. See DCM 133. **Measurement:** 64.2 cm. **Condition:** Head joint, both sections, cracked, entire length. Wood chip missing beneath fingerhole 6. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1932. Digital image available

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1137	**Instrument Type:** Flute in C **Maker Name:** Cornelius Ward **Maker Place:** London **Maker Date:** 1836-1859 **Materials:** Cocus, silver keys and ferrules. **Keys Holes System:** Ward's patent system, conical bore, see DCM 572. Modern post and rod key design, with the exception of one ivory rod bracked and an unusally tall cocus key stop post (possibly an addition) for upper C. Foot to C. **Physical Description:** 2 sections, tuning slide in head. Foot and body are one piece. **Measurement:** 66.3 cm. **Condition:** Head joint, both sections, cracked and filled. Small finger lever broken off at upper C tonehole cover. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1932. Digital image available
1138	**Instrument Type:** Flute in C **Maker Name:** Card; Liester **Maker Place:** London **Maker Date:** 1826-1845 **Materials:** Boxwood, stained dark brown, silver key, ivory ferrules. **Keys Holes System:** 1 key, square flat flap. **Physical Description:** 4 sections. **Measurement:** 59.9 cm. (without cap). **Condition:** Missing ivory cap. The top of the ivory cap has cracked away and is missing from its lateral element which fits over a short tenon on the head joint. Head joint slightly warped, upper body joint warped. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1932. Digital image available
1139	**Instrument Type:** Flute in C **Maker Name:** William Henry Potter **Maker Place:** London **Maker Date:** 1809-1833 **Materials:** Boxwood, ivory head, silver head joint upper section, cap, cork-setting mechanism, keys and ferrules, metal-lined head. **Keys Holes System:** 6 keys, foot to C, pewter plugs over brass lined holes. Pin in brass-lined blocks. **Physical Description:** 4 sections, tuning slide in head. This instrument had at least 3 corps de rechange, nos. 4, 5, and 6. **Measurement:** 67.25 cm. **Condition:** Head joint, both sections, cracked and filled. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1932. Digital image available

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1140	**Instrument Type:** Flute in C **Maker Name:** William Henry Potter **Maker Place:** London **Maker Date:** 1809-1833 **Materials:** Boxwood, stained dark, ivory cap and ferrules. **Keys Holes System:** 6 keys, foot to C, pewter plugs, plus key for LH 3rd finger. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.6 cm. **Condition:** Head joint, both sections, cracked. Body joint cracked. F key broken off. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1932. Digital image available
1141	**Instrument Type:** Flute in E-flat **Maker Name:** Wood & Ivy **Maker Place:** London **Maker Date:** 1837-1847 **Materials:** Boxwood, stained dark, nickel silver cap and ferrules, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 50.3 cm. **Notes:** DCM ledger: "Brass key probably replaces silver key." This instrument probably had no ferrules, but currently has nickel silver ferrules. At some point, each socket was cut back to form a shoulder intended to receive the current nickel silver ferrules, probably added as a crack prevention measure. The present head joint cap plug may be original although it is now covered with a nickel silver cap made of 2 elements brazed together. **Condition:** See Notes. Head joint cracked at socket, several replacement parts. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1932. Digital image available
1142	**Instrument Type:** Flute in C **Maker Name:** George Miller **Maker Place:** London **Maker Date:** 1810-1814 **Materials:** Cocus, ivory cap and ferrules, silver keys. Metal-lined toneholes. **Keys Holes System:** 8 keys, square flaps, pin in block. **Physical Description:** 3 sections, no separate foot joint. **Measurement:** 66.3 cm. **Condition:** One side of G# key pin block is a replacement, now half-missing. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1932. Digital image available

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1143	**Instrument Type:** Flute in E-flat **Maker Name:** Henry Potter **Maker Place:** London **Maker Date:** 1858-ca. 1895 **Materials:** Boxwood, ivory cap and ferrules, brass keys. **Keys Holes System:** 4 keys, round flat flaps. Pin in block. Large Nicholson-like fingerholes 4, 5, and embouchure hole. **Physical Description:** 3 sections. **Measurement:** 50.3 cm. **Condition:** Bottom ferrule cracked. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1932. Digital image available
1144	**Instrument Type:** Flute in E-flat **Maker Name:** Geo. Potter & Co. **Maker Place:** Aldershot **Maker Date:** 1860-p1939 **Materials:** Cocus, nickel silver keys, ferrules. Head joint partially metal-lined. **Keys Holes System:** 5 keys, modern style key cups, post and rod, direct mount. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 51.25 cm. **Condition:** Head joint, both sections, cracked. Lower body joint cracked at socket. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1932. Digital image available
1145	**Instrument Type:** Flute in E-flat (High Pitch) **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** 1872-p1950 **Materials:** Unidentified dark wood, probably that labelled "Best seasoned wood" in Rudall Carte mid-1920s catalog ("List of Instruments and Accessories for Flute Bands"), silver keys. **Keys Holes System:** 5 keys, round flaps, post and rod, direct mount. **Physical Description:** 3 sections. **Measurement:** 50.2 cm. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1932. Digital image available

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1146	**Instrument Type:** Flute in B-flat(?) (See Notes.) **Maker Name:** W. Milhouse **Maker Place:** London **Maker Date:** 1797-1822 **Materials:** Boxwood, ivory cap and ferrules, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 3 sections, lower body and foot are one piece. **Measurement:** 36.5 cm. **Notes:** Earlier described by DCM as a "Flute in high A," this may have been designated originally a band flute in C and therefore is actually in B-flat. See "Flute Misnomers." **Condition:** Head joint, 2 cracks at the upper end, filled at unknown time. A further attempt at repair included cutting a crude channel around the top which was probably meant to retain a repair wire. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1932. Digital image available
1147	**Instrument Type:** Fife in B-flat **Maker Name:** G. C. Payne **Maker Place:** London **Maker Date:** early 19c? **Materials:** Boxwood, brass end ferrule. **Keys Holes System:** 0/6 holes, cylindrical. **Measurement:** 38.3 cm. **Condition:** Missing brass upper end ferrule. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1932. Digital image available
1148	**Instrument Type:** Fife in B-flat (Fife in C) **Maker Name:** Pohlmann **Maker Place:** Halifax **Maker Date:** 1823-20c **Materials:** Boxwood, brass end ferrules. **Keys Holes System:** 0/6 holes, cylindrical. **Measurement:** 38.05 cm. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 4 Apr. 1932. Digital image available
1149	**Instrument Type:** Flute in C **Maker Name:** Goulding **Maker Place:** London **Maker Date:** early 19c **Materials:** Boxwood, ivory cap and ferrules, brass key. **Keys Holes System:** 1 key, square flat flap. **Physical Description:** 4 sections. **Measurement:** 60 cm. **Provenance:** Max Rosenstock, San Francisco, 4 May 1932. Digital image available

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1150	**Instrument Type:** Fife in B-flat (Fife in C) **Maker Name:** William Hall & Son **Maker Place:** New York **Maker Date:** ca. 1848-1858 **Materials:** Cocus, nickel silver end ferrules. **Keys Holes System:** 0/6 holes, cylindrical. **Measurement:** 39.2 cm. **Notes:** See DCM 603. **Provenance:** Norval Stewart, Binghamton, New York, 21 May 1932. Digital image available
1151	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian (Ojibway) **Maker Place:** Canada **Materials:** Soft wood, pine or spruce, with red and light green string. **Keys Holes System:** 2/6 holes. **Physical Description:** Tube gouged of 2 halves, glued together, including integral mouthpipe, wooden flute plate, and cover carved in form of dog, sheep or other such animal. **Measurement:** 48.4 cm. **Notes:** DCM ledger: "American Indian, Ojibway, Canada." **Provenance:** Albert G. Heath, Chicago, 16 May 1932. Digital image available
1152	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous, North American Indian (Osage) **Materials:** Bamboo, leather thong, unidentified skin, understood by DCM to be a piece of "Human Scalp." **Keys Holes System:** 0 holes. **Physical Description:** Courting flute-style fipple. **Measurement:** 30.25 cm. **Notes:** DCM ledger: "American Indian, Arkansas Band of Osage Tribe from Santsukhdhior." **Condition:** Flue cover is missing. Two nearly full length cracks. **Provenance:** Albert G. Heath, Chicago, 16 May 1932.

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1153	**Instrument Type:** Dulali (Nose Flute) **Maker Name:** Anonymous **Maker Place:** Fiji Islands **Materials:** Bamboo. **Keys Holes System:** DCM ledger: "…hole near lower septum, one near center…2 holes intermediate between center and ends." **Physical Description:** One joint, closed at both ends by natural septum. Decorated with burned-in straight lines. **Measurement:** 67.4 cm. **Notes:** DCM ledger, quoting letter from Reed to DCM, 8 June 1932: "Recently I made a cruise to the South Sea Islands, and while in Suva, I secured this nose flute from the Curator of the Fiji Museum. The native name of this flute is 'mbitu vaka tangi.' (The m is silent). Mbitu is the native name of bamboo. It is played with the right nostril, and has a plaintive melancholy note, not unlike the call of the eastern snipe or killdeer. It is very rare as the present generation of Fijians have lost the art of making and playing this instrument." **Condition:** Cracks at both ends. **Provenance:** William J. Reed (Flutist on the Leviathan, 1931), San Francisco, 14 June 1932. Reed to DCM: "While in Suva, I secured this nose flute from the Curator of the Fiji Museum." Digital image available
1154	**Instrument Type:** Flute in C **Maker Name:** Meacham **Maker Place:** Albany **Maker Date:** 1813-1827 **Materials:** Boxwood, silver key, ivory ferrules. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 61 cm. **Condition:** Head joint cracked at socket with old filling, short cross grain crack leading out from embouchure. Upper ivory ferrule a replacement, possibly by DCM. Wood cap also a replacement. Foot joint, lower ferrule a replacement, and cracked. **Provenance:** Jean Mignolet, Denver, Colorado, 17 June 1932. Digital image available
1155	**Instrument Type:** Flute in C **Maker Name:** Jabez McCall Camp **Maker Place:** Litchfield **Maker Date:** 1837-1841 **Materials:** Boxwood, bone(?) cap and ferrules, brass key. **Keys Holes System:** 1 key, square flap, pin in block. Lovely cut and fit key. **Physical Description:** 4 sections. **Measurement:** 60.8 cm. **Condition:** Crack in lower joint socket. **Provenance:** Verne Q. Powell, Boston, 8 July 1932. Digital image available

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1156	**Instrument Type:** Flute in C **Maker Name:** James Wood **Maker Place:** London **Maker Date:** ca. 1799-1832 **Materials:** Boxwood, ivory cap with ivory cork-setting mechanism, and ferrules, silver keys. **Keys Holes System:** 7 keys, foot to C, square flaps, pin in block. **Physical Description:** 4 sections, with 3 corps de rechange (the three highest of six possible joints perhaps originally available). **Measurement:** 66.6 cm. (6), 67.4 cm. (5), 68.1 cm. (4) **Provenance:** W. Howard Head, London, 22 July 1932. Digital image available
1157	**Instrument Type:** Courting Flute (Vertical Whistle Flute) **Maker Name:** Anonymous, North American Indian **Materials:** Iron pipe, a portion of a gun barrel. Wrapped with leather thong. **Keys Holes System:** 0/6 holes. **Physical Description:** Chamfered (angles) ends and a flat has been cut where a flue plate and cover would normally be. **Measurement:** 35.6 cm. **Notes:** DCM ledger: "American Indian." **Provenance:** W. C. McQuillen, Los Angeles, sent from Portland, Oregon, 25 July 1932. Digital image available
1158	**Instrument Type:** Flute in C **Maker Name:** Anonymous, possibly German **Materials:** Boxwood, ivory cap and ferrules, keys of unidentified plating over base metal, probably brass. **Keys Holes System:** 10 keys, saltspoon. Right thumb low B with wrap-around arm to automatically close C#, C. Pin in block. DCM ledger: "With B-flat lever for right first finger; and special, low B-natural foot key, for right thumb, together with special 'hook' on long B-natural lever, around the body of flute, to operate on C foot key to close latter with the B-natural key. This seems to be unique." **Physical Description:** 4 sections. **Measurement:** 68.8 cm. **Condition:** Upper joint, gouged (cause not apparent), and upper tenon warped. **Provenance:** Uncle Sam's Loan Office, Oakland, California, 6 Aug. 1932. Digital image available

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1159	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Smart **Maker Place:** London **Maker Date:** ?late 18c **Materials:** Stained boxwood. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 49.85 cm. **Condition:** Head joint edge damaged and slightly shortened. Beak and block chipped and broken at the top. Head joint cracked from socket to window. Body joint wood naturally checked and possibly further damaged at the thumbhole. Foot joint cracked at socket. Fingerhole 7 very crudely altered. **Provenance:** W. Howard Head, London, 27 Sept. 1932. Digital image available
1160	**Instrument Type:** Flute in C **Maker Name:** Clinton & Co. **Maker Place:** London **Maker Date:** ca.1855-1871 **Materials:** Silver-plated brass. **Keys Holes System:** 8 keys, conical bore, simple system. Like standard metal clarinets, the toneholes have raised chimneys. The six fingerholes of the principal rank are grouped together as two sets of three, each having a continuous and decorative plate soldered on top which represents what would be the outer diameter of a wooden or double wall metal instrument. The toneholes are quite large and exceed the norm for those frequently described as Nicholson model. DCM ledger: "Each key mounted on a single large post, with a slot through the large head of the post. The key is held by a large screw, screwed on the post, over the key shank, and with a needle-point pivot on the cup entering a hole in shank. This is Clinton's 1857 PATENT Key construction." **Physical Description:** 3 sections. See DCM 109, 342, 379, 528, 685, 710, 1196, and 1284. **Measurement:** 65.1 cm. **Condition:** Foot joint broken into 3 separate pieces at the C# and C toneholes and repaired by soldering those portions and the pertinent tonehole chimneys and key mounting posts with a very high tin-lead solder, possibly pure tin. **Provenance:** J. Clayton Boyes, Bushey, England, 27 Sept. 1932. Digital image available

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1161	**Instrument Type:** Flute in C **Maker Name:** Blackman **Maker Place:** London **Maker Date:** 1810-1882 **Materials:** Cocus, nickel silver embouchure tube, keys, ferrules with rolled or pressed decorations, tonehole bushings, and metal-lined head. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs over round metal plates for C#, C. Pin in block. Toneholes slightly large English-style. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.9 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** William Powell, Birmingham, England, 8 Oct. 1932. Digital image available
1162	**Instrument Type:** Flute in C **Maker Name:** Meacham & Pond **Maker Place:** Albany **Maker Date:** 1828-1860 **Materials:** Rosewood, silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, to low C, with pewter plugs over round plates for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. Head joint upper section decorated with closely spaced turned grooves similar to Scottish pipe decoration. **Measurement:** 66.2 cm. **Condition:** Head joint, both sections, cracked and showing old repair. Long F key block slightly chipped. **Provenance:** Evaline Beach, Bay Village, Ohio, 21 Nov. 1932. Digital image available
1163	**Instrument Type:** Flute in C **Maker Name:** William Wheatstone **Maker Place:** London **Maker Date:** ca. 1816-p1829 **Materials:** Ivory, nickel silver keys, engraved brass ferrules at top of lower body joint. **Keys Holes System:** 7 keys, round flaps, foot to C. **Physical Description:** 4 sections. **Measurement:** 66.1 cm. **Condition:** Lower joint socket badly cracked. Contains possibly period repair (brass ferrule with rivets). E-flat key folk craftsmanship replacement. **Provenance:** J. Cheetham, Birkenhead, England, 30 Nov. 1932. Digital image available

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1164	**Instrument Type:** English Flageolet **Maker Name:** William Camp **Maker Place:** London **Maker Date:** ca. 1838 **Materials:** Boxwood, brass key, ivory fingerstuds and mouthpiece. **Keys Holes System:** 1/7 holes plus 1 key. D# key, flat octagonal flap, pin in block. **Physical Description:** 4 sections, with mouthpiece. Upper section consisting of 2 sections, fipple and 2-piece sponge chamber. **Measurement:** 42.6 cm. **Notes:** See DCM 991 regarding sponge chamber. **Condition:** Upper section of sponge chamber is slightly cracked. Upper front hole plugged for half-hole vent. **Provenance:** J. Cheetham, Birkenhead, England, 30 Nov. 1932. Digital image available
1165	**Instrument Type:** Flute in E-flat **Maker Name:** Shepherd & Sutton **Maker Place:** London **Maker Date:** 1829-1846 **Materials:** Boxwood, brass key. **Keys Holes System:** 4 sections, conical, 1 key, square flap, pin in block. **Measurement:** 51.1 cm. **Condition:** Head joint warped. Foot joint cracked at socket. **Provenance:** J. Cheetham, Birkenhead, England, 30 Nov. 1932. Digital image available
1166	**Instrument Type:** Piccolo in C **Maker Name:** Potter **Maker Place:** London **Maker Date:** ca. 1745-1823 **Materials:** Boxwood, ivory end cap and ferrules, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 3 sections, no separate foot joint. **Measurement:** 31.5 cm. **Condition:** Cap missing. Lower joint socket and ferrule cracked. **Provenance:** J. Cheetham, Birkenhead, England, 30 Nov. 1932. Digital image available

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1167	**Instrument Type:** Whistle **Maker Name:** Anonymous, Central American Indian **Maker Place:** Honduras **Materials:** Terracotta. **Keys Holes System:** 3 holes, 2 lateral and one on the bottom adjacent to a channel, possibly an airduct. **Physical Description:** Sculpture of head and partial torso. **Measurement:** 12 cm. **Notes:** DCM ledger: "Indian, Lalima, Spanish Honduras, 1924." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 5 Dec. 1932. Digital image available
1168	**Instrument Type:** Bali-ing (Nose Flute) **Maker Name:** Anonymous **Maker Place:** Philippines **Materials:** Bamboo. **Keys Holes System:** 1/3 holes bored through flat areas where the bark and part of the adjacent material has been cut away. **Physical Description:** Natural septum at one end. Decorated with incised cross-hatching diamond-triangular patterns. **Measurement:** 60.9 cm. **Notes:** DCM ledger: "Igorot, Baguio, Philippines." **Provenance:** George B. Obear, Manila, Philippines, 7 Dec. 1932. Digital image available
1169	**Instrument Type:** Flute in C **Maker Name:** Monzani **Maker Place:** London **Maker Date:** ca. 1820 **Materials:** Ivory, silver keys and embossed ferrules. Metal-lined sockets. **Keys Holes System:** 8 keys, square flap, pin in block. **Physical Description:** 3 sections, no separate foot joint. With 2 interchangeable head joints (English style containing tenon). **Measurement:** 67.05 cm., 67.6 cm. **Case:** Case with engraved brass escutcheon. Ivory cleaning rod made in 2 parts with machine threads. **Condition:** Both sockets cracked. **Provenance:** Harold Reeves, London, 9 Jan. 1933, through auction at Puttick & Simpson (12 Nov. 1932).

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1170	**Instrument Type:** English Triple Flageolet (Composite) **Maker Name:** Henry Hastrick **Maker Place:** London **Maker Date:** 1837-1855 **Materials:** Boxwood, ivory mouthpiece, fingerstuds, and ferrules, nickel silver keys. **Keys Holes System:** Left: 0/7 holes with hole 1 plugged for half-hole vent and hole 7 closed by open-standing key now missing, plus 4 keys and a 5th key for high C on fipple stock. Right: 0/4 holes with 5 keys. Both fipples have cut-off key. Square flap, pin in block. The bass pipe has 4 pitch-giving thumb keys, an elevated (block) tonehole for the left little finger, originally having an elevated bushing of unknown material, and a windway cut-off key. **Physical Description:** Composite. This instrument appears to have been altered by removing the double flageolet sponge chamber(s) and substituting with a standard triple flageolet air conduit chamber attached via a wooden tube to the added 3rd or bass pipe. **Measurement:** 56.7 cm. (without mouthpiece). **Notes:** Right tube, similar mark to stock. Keys lettered and numbered. Instrument consists of a standard English Patent double flageolet to which is attached a 3rd or bass pipe connected at the top between the 2 fipple stocks via a boxwood tube, and at the bottom, by tying the 3 tubes together with gut or other cord. The wood grain of the added portions is less tight than that of the double flageolet and the markings are different altogether from the same workshop. The connecting support shaft between the bass and melody pipes (often of ivory, see DCM 721) is crudely made of cocus or similar wood. The knee support shaft containing the 2 tying holes is (compared to DCM 721) somewhat crudely made and the 2 melody pipes do not have cord-tying holes as on DCM 721. The right pipe terminates with a 7 centimeter keyless foot joint which appears to be musically necessary at all times, to be removed possibly when inserting into case. **Condition:** Double flageolet proper: Missing sponge chamber(s) as above. Missing hole 7 key left pipe and F key right pipe. Left pipe cracked at upper end. Added bass pipe components, mouthpiece hub cracked and possibly not original. A new ivory mouthpiece and hub exists in the collection likely for this instrument, and possibly made by DCM. The 3rd pipe upper ferrule is cracked and appears to have been part of a 2-piece ivory cap. The 3 centimeter center disk (material unknown) is missing. **Provenance:** William Hayes, London, 10 Mar. 1933. Digital image available
1171	**Instrument Type:** Flute in A (d'amore) or A-flat (B-flat) **Maker Name:** Key **Maker Place:** London **Maker Date:** a1805-1858 **Materials:** Cocus, nickel silver keys, ivory ferrules. **Keys Holes System:** 8 keys, foot to C, saltspoon, with pewter plugs over square metal plates for C#, C (G#, G). Pin in block. **Physical Description:** 4 sections. **Measurement:** 81.65 cm. **Notes:** Although possibly a flute d'amore in A, this instrument may have been intended to be a so-called B-flat flute (actually in A-flat) for flute band usage. **Condition:** Long F key and long F key upper block, front side, a replacement, possibly DCM. **Provenance:** William Hayes, London, 10 Mar. 1933. Digital image available

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1172	**Instrument Type:** Flute in C **Maker Name:** Christopher Gerock **Maker Place:** London **Maker Date:** ca. 1827-1837 **Materials:** Boxwood, ivory cap, cork-setting mechanism, and ferrules, silver keys, metal-lined head. **Keys Holes System:** 6 keys, foot to C, square flaps, with low C#, C pewter plugs over metal-lined holes. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.1 cm. **Condition:** Head joint, tuning slide, and barrel completely cracked. **Provenance:** William Powell, Birmingham, England, Nov./Dec. 1932. Digital image available
1173	**Instrument Type:** Flute in C **Maker Name:** Luigi Vanotti **Maker Place:** Milan **Maker Date:** a1899-p1925 **Materials:** Cocus, silver plate keys and ferrules. **Keys Holes System:** Boehm system, to low B with touchpiece for either finger plus alternate D# (which requires rotating foot joint when needed). **Physical Description:** 4 sections. **Measurement:** 71.9 cm. **Condition:** Missing thumb keys, upper trill keys, and one clutch adjustment screw. Crack in head joint, previously shimmed. Original embouchure hole apparently damaged. DCM ledger: "Embouchure now has an inlay of black wood with extra large hole." **Provenance:** Allen Loomis, Elkhart, Indiana, Feb. 1933. Digital image available
1174	**Instrument Type:** Flute in C **Maker Name:** James Wood **Maker Place:** London **Maker Date:** ca. 1821-1832 **Materials:** Boxwood, ivory cap (missing), cork-setting mechanism, and ferrules, silver keys. Boxwood register slide. Metal-lined head joint. **Keys Holes System:** 4 keys, pewter plugs over metal-lined holes, pin in brass-lined blocks. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 59.5 cm. (as is) **Condition:** Head joint, both sections, cracked, including both ferrules. Cap missing. Foot joint socket and both ferrules, cracked. Register slide cracked, and brass tube seam open and misaligned. **Provenance:** J. Cheetham, Birkenhead, England, 10 Mar. 1933. Digital image available

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1175	**Instrument Type:** Flute in C **Maker Name:** John Smith **Maker Place:** London **Maker Date:** -1829- **Materials:** Rosewood(?), silver keys and ferrules, pewter plug keys for low C#, C, with nickel silver plug seats. Brass-lined head. Rosewood cork-setting mechanism. **Keys Holes System:** 6 keys, foot to C, saltspoon, with pewter plugs over square plates for C#, C. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.4 cm. **Condition:** Three original ferrules have been replaced with brass and nickel silver ferrules. Additionally, as crack repair attempts, secondary ferrules have been added at the head and foot joint sockets. The B-flat key is a nickel silver replacement. Small crack at foot joint socket. **Provenance:** J. Cheetham, Birkenhead, England, 10 Mar. 1933. Digital image available
1176	**Instrument Type:** French Flageolet **Maker Name:** Joseph Baumann **Maker Place:** Paris **Maker Date:** ca. 1790-ca. 1830 **Materials:** Ebony(?), ivory ferrules and mouthpiece exterior. **Keys Holes System:** 2/4 holes. **Physical Description:** 2 sections, body and fipple. **Measurement:** 29.05 cm. **Condition:** Head joint badly cracked in 3 places, and crudely repaired. **Provenance:** W. Howard Head, London, 20 Mar. 1933. Digital image available

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1177	**Instrument Type:** Flute in C **Maker Name:** Thomas Stanesby, junior; Anonymous **Maker Place:** London **Maker Date:** p1713-ca. 1754 **Materials:** Boxwood, ivory cap and ferrules, silver keys. **Keys Holes System:** 4 keys, square flat flaps. **Physical Description:** 4 sections. **Measurement:** 59.9 cm. **Notes:** Head joint marked by Stanesby is likely from a one-keyed instrument by that maker. It is the type incorporating a socket rather than a tenon. The other 3 joints are from an unsigned 4-keyed flute. The upper body joint appears to have been shortened at both ends, and with the G# key having been replaced. The replacement key appears to be of nickel silver covered with a thin veneer of silver. If the upper end of the joint has not been shortened, it has been cut to receive a ferrule just beneath the tenon consisting of a brass collar under an ivory ferrule as an apparent attempt to repair a crack or prevent it from spreading. The lower body joint has a cracked socket which has also been addressed in the same manner, a brass collar under a replacement ivory ferrule. **Condition:** Both brass collars and ivory ferrules have cracked. Upper body joint severely warped. See Notes for futher condition report. **Provenance:** W. Howard Head, London, 20 Mar-4 Apr. 1933. Digital image available
1178	**Instrument Type:** Flute in C **Maker Name:** William Wheatstone **Maker Place:** London **Maker Date:** ca. 1816-p1829 **Materials:** Cocus, ivory cap, cork-setting mechanism, and ferrules, silver keys. **Keys Holes System:** Originally 5-keyed, octagonal scalloped flap. **Physical Description:** 4 sections, tuning slide in head. Outer surface of all joints deeply fluted except where keys, embouchure, keywork and fingerholes are positioned. **Measurement:** 66.8 cm. **Condition:** Missing B-flat key, flap of F key, and E-flat, C# and low C from foot. The fluting in the head joint element is so deep that 8 of 10 lateral flutes are perforated due to wear in the upper section of the head, and for the same reason have developed 2 full length cracks. **Provenance:** C. G. Herbert, Altadena, California, 21 Mar. 1933. Digital image available
1179	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Arnold Dolmetsch **Maker Place:** Haslemere **Maker Date:** ca. 1926-1932 **Materials:** Cocus, ivory ferrules and beak. **Keys Holes System:** 1/7 holes, double holes 6 and 7. **Physical Description:** 3 sections. **Measurement:** 50.4 cm. **Provenance:** Harold Reeves, London, 30 Mar. 1933. Digital image available

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1180	**Instrument Type:** Flute in C **Maker Name:** Thibouville père & fils **Maker Place:** Paris **Maker Date:** first half 19c **Materials:** Boxwood, silver key, ivory ferrules. **Keys Holes System:** 1 key, flat articulated flap, mounted on crescent-shaped sheet metal flange. **Physical Description:** 4 sections, originally partially metal-lined head joint with tuning slide, now missing barrel sections and upper section metal tube. **Measurement:** 54.95 cm. **Notes:** Note taped to head: "This flute became mine…the year 1834…It was an old flute then." Note signed Geo. B. Lincoln. **Condition:** Head joint cracked, including both ferrules. **Provenance:** Robert Shackleton, Louisville, Kentucky, 11 Apr. 1933. See Notes. Digital image available
1181	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Peter Bressan **Maker Place:** London **Maker Date:** 1688-1730 **Materials:** Boxwood, stained brown, ivory ferrule and beak. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 50.8 cm. **Condition:** Beak chipped and crudely repaired, time and place unknown. Fingerholes 1, 3 may have been altered. Edge is damaged and shows evidence of alteration. Foot joint, lower ferrules, large decorative terminating bead, cracked circumferentially and detached nearly 320 degrees and broken into 3 pieces. **Provenance:** C. G. Herbert, Altadena, California, 13 Apr. 1933. Digital image available

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1182	**Instrument Type:** Flute in C **Maker Name:** George Catlin **Maker Place:** Philadelphia **Maker Date:** 1816-1850 **Materials:** Rosewood(?), silver keys, ivory ferrules, metal-lined sockets. **Keys Holes System:** 4 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in metal-lined head. **Measurement:** 62.5 cm. **Condition:** Head joint, both sections, cracked, including 3 of the 4 present ferrules. Both sections have been repaired although the barrel section has another and recent crack near the earlier one. Cork-setting mechanism inner element (male thread) appears to be a replacement. Lower body joint ferrule cracked, and foot joint, both ferrules, cracked. All ferrules appear to be replacements, rather crudely done and not stylistically compatible. Furthermore, except for the 2 head joint ferrules defining the tuning slide gap, each of the others is applied over a brass ferrule which has been added by cutting away perilously enough wood to receive it. These (the metal) ferrules may be original. DCM ledger records cracked ferrules and one may therefore conclude that these are not necessarily his work. **Provenance:** Dora E. Seeley, Ambler, Pennsylvania, 26 May 1933. Digital image available
1183	**Instrument Type:** Flute in C **Maker Name:** John Just Schuchart **Maker Place:** London **Maker Date:** 1731-ca. 1753 **Materials:** Figured boxwood, stained dark brown, ivory cap (now missing) and ferrules, silver or brass key. **Keys Holes System:** 1 key, square flat flap(?). **Physical Description:** 4 sections. **Measurement:** 60.9 cm. (as is) **Condition:** Head and upper joints warped. Lower body, several cracks at socket, not including ferrule, but including wood loss inside ferrule approximately 40 degrees. Foot joint, lower ferrule, cracked. Key block broken off at pin line, both sides, key missing. **Provenance:** W. Howard Head, London, 29 May 1933. Digital image available
1184	**Instrument Type:** Vertical Whistle **Maker Name:** Anonymous, North American Indian (Quapaw) **Materials:** Unidentified hard wood, formed into bird's head at lower end. **Measurement:** 59 cm. **Notes:** DCM ledger: "American Indian, Quapaw Tribe." **Provenance:** Albert G. Heath, Chicago, 8 June 1933. Digital image available

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1185	**Instrument Type:** Flute in E-flat **Maker Name:** D'Almaine & Co. **Maker Place:** London **Maker Date:** 1834-1867 **Materials:** Boxwood, brass keys, ivory ferrules. **Keys Holes System:** 4 keys, square flat flaps. Pin in block. **Physical Description:** 4 sections. **Measurement:** 49.6 cm. **Condition:** B-flat (sounding D-flat) key block broken off and missing one side (at pin line). **Provenance:** Mrs. Fred H. Rogers, Weymouth, Massachusetts, 6 July 1933. Digital image available
1186	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous **Materials:** Glass. **Keys Holes System:** 0/6 holes **Physical Description:** Tube closed at one end (rounded like a test tube) from which an embouchure hole and 6 fingerholes have been drawn and fire-polished. The open end has also been choked or reduced and fire polished. Although fragile, this may have been made as a toy. **Measurement:** 46.4 cm. **Notes:** No cork and no means to adjust a cork. The instrument is essentially unusable and will neither complete a scale nor overblow an octave. **Provenance:** W. Howard Head, London, 1 Aug. 1933. Digital image available
1187	**Instrument Type:** Flute in C **Maker Name:** Goulding **Maker Place:** London **Maker Date:** ca. 1786-1834 **Materials:** Boxwood, ivory cap and ferrules, silver keys, pewter plugs, metal-lined head. **Keys Holes System:** 8 keys, pewter plugs, metal-lined holes, pin in block. Potter's patent plug keys. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 64.7 cm. **Notes:** See DCM 822 regarding tuning rings. **Condition:** Head joint, upper section, cracked extremely wide, filled recently. Small chip of wood missing from lower C key mount. **Provenance:** William Powell, Birmingham, England, 1 Aug. 1933. Digital image available

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1188	**Instrument Type:** Whistle ("Ko-ling" or "Shao-tzu") **Maker Name:** Anonymous, Chinese **Materials:** Gourd, stained. **Measurement:** 8.7 cm. **Notes:** DCM ledger: "Ko-ling or Shao-tzu." **Condition:** Gourd body cracked in 3 pieces. **Provenance:** Canon F. W. Galpin, Richmond, England, 18 Aug. 1933. Digital image available
1189	**Instrument Type:** Flute in C **Maker Name:** Henry Kusder **Maker Place:** London **Maker Date:** p1762-1801 **Materials:** Boxwood, ivory cap and ferrules, silver key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.3 cm. **Condition:** Cap broken in 6 pieces, all still extant. Head joint small crack at socket. Head joint ferrule not original. Lower body joint, 2 cracks at socket, ferrule not original. **Provenance:** William Hayes, London, 24 Aug. 1933. Digital image available
1190	**Instrument Type:** Flute in C **Maker Name:** Johann Baptist Rudhard **Maker Place:** Stuttgart **Maker Date:** p1823-1863 **Materials:** Boxwood, brass keys, black animal horn ferrules. **Keys Holes System:** 6 keys, round flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 61.7 cm. **Condition:** Head joint, both sections, cracked and filled. **Provenance:** William Hayes, London, 24 Aug. 1933. Digital image available
1191	**Instrument Type:** French Flageolet **Maker Name:** Willis & Goodlad **Maker Place:** London **Maker Date:** ca. 1834 **Materials:** Ebony, ivory mouthpiece and ferrules, silver keys. **Keys Holes System:** 2/4 holes plus 3 keys, flat round flaps, pin in block. **Physical Description:** 2 sections (5 pieces, including mouthpiece), the upper of which is in 4 pieces, as follows: mouthpiece, sponge chamber in 2 parts, and fipple section. **Measurement:** 33.8 cm. **Provenance:** William Hayes, London, 24 Aug. 1933. Digital image available

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1192	**Instrument Type:** Flute in C **Maker Name:** W. Milhouse **Maker Place:** London **Maker Date:** 1787-1840 **Materials:** Ebony, ivory cap, cork-setting mechanism, and ferrules, silver keys. **Keys Holes System:** 7 keys, square flaps, foot to C. Pin in block. **Physical Description:** 4 sections, with 3 corps de rechange. **Measurement:** 66.1 cm., 66.9 cm., 67.6 cm. **Notes:** Low C key connecting lever decorated. **Provenance:** William Hayes, London, 24 Aug. 1933. Digital image available
1193	**Instrument Type:** Flute in E-flat **Maker Name:** Christopher Gerock **Maker Place:** London **Maker Date:** 1804-1837 **Materials:** Boxwood, brass key, ivory ferrules. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections, conical. **Measurement:** 31.5 cm. (without cap) **Condition:** Cap missing. Head joint warped. E-flat key finger lever broken off and missing. **Provenance:** [Shop?], Richmond, England, referred by Canon F. W. Galpin, Richmond, England, 25 Aug. 1933. Digital image available
1194	**Instrument Type:** Flute d'amore in A **Maker Name:** John Hale **Maker Place:** London **Maker Date:** 1785-1804 **Materials:** Boxwood, silver key, ivory ferrules. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 73 cm. **Condition:** Replacement cap and top ferrule, likely by DCM. **Provenance:** Oriental Jewel and Curio Shop, Richmond, England, referred by Canon F. W. Galpin, Richmond, England, 25 Aug. 1933. Digital image available

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1195	**Instrument Type:** Flute in C **Maker Name:** Monro & May **Maker Place:** London **Maker Date:** ca. 1823-1848 **Materials:** Rosewood(?), ivory cap and ferrules, silver keys. **Keys Holes System:** 4 keys, square flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.7 cm. **Condition:** Lower body joint socket cracked to fingerhole 4. Foot joint ferrule and lower body joint ferrule replacements, possibly by DCM. The foot joint upper ferrule is cracked. B-flat key block broken and missing on one side. **Provenance:** Rudall, Carte & Co., London, 26 Aug. 1933. Digital image available
1196	**Instrument Type:** Piccolo in C **Maker Name:** Clinton & Co. **Maker Place:** London **Maker Date:** ca. 1855-1871 **Materials:** Grenadilla, ebonite head. Barrel covered with nickel silver tube, nickel silver keys and ferrules. Metal-lined head. **Keys Holes System:** Conical bore simple system piccolo of a simplified Clinton equisonant system which offers double toneholes for principal rank 1and 4 controlled by finger rings for fingers 2 and 5. See Notes. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 30.2 cm. **Notes:** Possibly later additions include tapered nickel silver barrel sleeve, an unusually large oval E-flat key touch piece and a nickel silver finger disk soldered over the tonehole 1 key. **Provenance:** Rudall, Carte & Co., London, 26 Aug. 1933. Digital image available

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1197	**Instrument Type:** Flute in C **Maker Name:** Cornelius Ward **Maker Place:** London **Maker Date:** 1836-ca. 1870 **Materials:** Cocus, silver keys and ferrules, metal-lined head. **Keys Holes System:** Ward's patent system, conical bore, see DCM 572. See also DCM 44 (which extends to the range to low B-flat). **Physical Description:** 3 sections, body in one piece. See DCM 572 and 44. However, unlike DCM 44 which is standard straight tube, this flute incorporates a U-bend arrangement below the low C tonehole. See Notes. **Measurement:** 65.32 cm. **Notes:** Foot joint space saving U-bend arrangement using a perpendicular cross tube joint or short tube parallel to the main body having toneholes for low B, B-flat. The lower ends of the parallel tubes have tapered wooden stoppers lapped with string which avoid sharp 90 degree bends by adding an inner curved surface. The stoppers are joined to the lower body tube silver ferrules with dangling silver safety chains. The four lowest note key cables pass under a guide which is integrally a part of the very uncomfortably positioned right thumb rest. **Condition:** Head joint, both sections, cracked.. **Provenance:** Rudall, Carte & Co., London, 26 Aug. 1933. Formerly owned by W. G. Smith, London. Digital image available
1198	**Instrument Type:** Flute in C **Maker Name:** Monzani **Maker Place:** London **Maker Date:** 1816 **Materials:** Cocus, ivory cork-setting mechanism, silver keys and ferrules. **Keys Holes System:** 7 keys, saltspoon, foot to C#. **Physical Description:** 3 sections, with 2 head joints. Lower body and foot are one piece. **Measurement:** 65.3 (with head joint 1) ; 65.8 (head joint 2) cm. **Notes:** Keys stamped with crown, except 1 replacement key. Hallmarks on silver ferrules. Seventh key is extra B-flat lever (first finger RH). **Provenance:** Antique shop, Warwick, England, referred by Harry H. Peach, Leicester, England, 9 Sept. 1933. Digital image available

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1199	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Rushworth & Dreaper **Maker Place:** Liverpool **Maker Date:** ca. 1933 **Materials:** Bamboo. **Keys Holes System:** 1/6 holes. **Measurement:** 49.7 cm. **Notes:** DCM ledger: "…designed for school-children for their 'handicraft' activities…made by H. Courtenay Buckley." **Condition:** Crack through entire fingerhole rank and cracked on back from thumbholes to end, plus another crack in upper end. **Provenance:** William Rushworth, Liverpool, England, 15 Sept. 1933. Digital image available
1200	**Instrument Type:** Flute in C **Maker Name:** Key **Maker Place:** London **Maker Date:** ca. 1808-1908 **Materials:** Rosewood(?), silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, pewter plugs over square metal plates for C#, C. Pin in metal-lined blocks. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.8 cm. **Condition:** Head joint, both sections, cracked. Small crack in upper joint. Small crack in socket of lower joint. Long F key guide block is a replacement, on one side. Foot joint crack in socket, repaired with cross pin. Low C key block replaced. **Provenance:** Miss Nellie Beach Antiques, Seattle, Washington, 11 Oct. 1933.
1201	**Instrument Type:** Flute in C **Maker Name:** Couesnon **Maker Place:** Paris **Maker Date:** 20c **Materials:** Silver-plated. **Keys Holes System:** Boehm system, open holed, closed G#, foot to C. **Measurement:** 67.5 cm. **Provenance:** Baxter-Northup Co., Los Angeles, 23 Oct. 1933. Digital image available

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1202	**Instrument Type:** Flute in E-flat **Maker Name:** John C. Haynes **Maker Place:** Boston **Maker Date:** 1861-1900 **Materials:** Boxwood, ivory cap and ferrules, brass key. **Keys Holes System:** 1 key, round flap, pin in block (steel replacement). **Physical Description:** 4 sections. **Measurement:** 49.8 cm. **Condition:** Key pin (steel) a replacement. **Provenance:** N. C. Godsoe, of Dickinson's Old Curiosity Shop, Boston, 25 Oct. 1933. Digital image available
1203	**Instrument Type:** Flute in G **Maker Name:** Hermann Wrede **Maker Place:** London **Maker Date:** 1810-1857 **Materials:** Boxwood, stained dark, ivory end cap and ferrules, brass key. **Keys Holes System:** 1 key, saltspoon, originally square flat flap(?). **Physical Description:** 4 sections. **Measurement:** 41.7 cm. **Condition:** Foot joint cracked at socket, bottom ferrules a synthetic replacement. Original key replaced with a brass key from another instrument. **Provenance:** N. C. Godsoe, of Dickinson's Old Curiosity Shop, Boston, 25 Oct. 1933. Digital image available
1204	**Instrument Type:** Flute in C **Maker Name:** William Whiteley **Maker Place:** Utica **Maker Date:** ca. 1810-p1854 **Materials:** Boxwood, ivory cap and ferrules, silver(?) key. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 59.7 cm. **Notes:** Silver(?) key which has soldered to it a brass lug drilled to receive the brass pin. The brass spring rivet and possibly also the spring may be replacements. Each socket has a wide half-round in cross-section ferrule, the design of which is repeated adjacent to it with an integral turning of nearly the same size. The one on the foot joint is substantially larger for purposes of a key mount. **Condition:** Lovely. **Provenance:** William Wagener, Washington, D.C., 19 Dec. 1933. Digital image available

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1205	**Instrument Type:** Flute in C **Maker Name:** V. Kohlert's Söhne **Maker Place:** Graslitz **Maker Date:** late 19c **Materials:** Cocus, nickel silver keys and ferrules. **Keys Holes System:** 13 keys, modern style key cups, post and rod. **Physical Description:** 3 sections, tuning slide in head, no separate foot joint. **Measurement:** 71.1 cm. **Condition:** Head joint, both sections, cracked and twice repaired. Crack in lower joint socket, old repair (pins). **Provenance:** Mrs. Madge N. Minke, Lakewood, Ohio, Jan. 1934. Digital image available
1206	**Instrument Type:** Flute in C **Maker Name:** Firth Pond & Co. **Maker Place:** New York **Maker Date:** 1847/48-1863 **Materials:** Rosewood(?), nickel silver keys, ivory ferrules. **Keys Holes System:** 4 keys, round flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.2 cm. **Condition:** Both ivory ferrules of the foot and head joints, plus the cap, are replacements, possibly made by DCM. Foot joint bottom ferrule cracked. Lower body joint has two nearly full-length cracks apparently not full depth at the tenon end, but full depth at the socket end, including a damaged socket missing approximately 30 degrees of material and revealing a metal repair band which seems to have been applied by undercutting the ivory ferrules. The lower end of the joint has a nickel silver repair band forced over it about 8 millimeters from the tenon shoulder. **Provenance:** George Mastick, Fairview, Ohio, 12 Jan. 1934. Digital image available

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1207	**Instrument Type:** Flute in C **Maker Name:** Peter Bressan **Maker Place:** London **Maker Date:** 1688-1730 **Materials:** Boxwood, stained brown, ivory cap and ferrules. **Keys Holes System:** 1 key, flat trapezoidal flap, pin in block. **Physical Description:** 3 sections. **Measurement:** 62.4 cm. **Notes:** Head joint cap is quite long, approximately 3.5 centimeters fitting over a tenon at the upper end of the head joint. It appears to be made in 2 pieces, possibly 3, reason unknown, perhaps due to available ivory stock. DCM ledger: "The body joint is not marked and seems to be of different wood and is probably of much later make, a 'repair.'" The body joint has been observed by others to be possibly not original. **Condition:** Head joint cap chipped at bottom edge and missing some material. Embouchure hole appears to have been crudely altered. Foot joint key block is broken off at the pin line on both sides and missing, although a key is still present and attached with a steel staple, possibly as a part of this temporary repair, i.e., the staple, the spring currently attached to the instrument is affixed with a brass flat head wood screw. **Provenance:** Baxter-Northup Co., Los Angeles, 5 Feb. 1933. Found by E. B. Jones (cousin of Harry Baxter of Baxter-Northup Co.) in Toluca, Mexico. Digital image available
1208	**Instrument Type:** Flute in C **Maker Name:** Alice Jordan **Maker Place:** Liverpool **Maker Date:** 1855-1930 **Materials:** Cocus, nickel silver keys and ferrules, metal-lined head, metal ferrule at embouchure. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs over round holes for low C#, C. Pin in block. Large diameter toneholes, not Nicholson. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.6 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** J. Cheetham, Birkenhead, England, 28 Feb. 1934. Digital image available

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1209	**Instrument Type:** Flute in C **Maker Name:** Kidder & Hopkins **Maker Place:** Troy **Maker Date:** 1843-1844 **Materials:** Unidentified wood, possibly boxwood, with ivory(?) cap and ferrules. **Keys Holes System:** 1 key. **Physical Description:** 4 sections. **Measurement:** 60 cm. **Notes:** The head joint of this instrument is by Kidder & Hopkins, the other 3 joints are not marked. The head joint socket has been cut off 10.5 millimeters from the socket bottom and is therefore missing approximately 15 millimeters. Its corresponding tenon on the upper body joint is intact, but a groove or channel around the circumference has been cut or filed beneath the upper shoulder of the joint, leaving a wooden bead or integral ferrule approximately 1.5 millimeters in length. From it, 7 notches have been cut away! Purpose unknown for all of the above. Approximately 3 centimeters from the top of the head joint a notch or recorder-like edge has been cut into the side, purpose unknown; however, the head joint cap contains a partially natural aperture and it is possible that someone attempted to transform this instrument into a fipple flute! **Condition:** Head joint cracked and filled. Foot joint socket cracked. Lower body joint socket cracked. See Notes. **Provenance:** W. H. Wilkinson, Kansas City, Missouri, 5 Mar. 1934. DCM ledger: "This flute was brought to Wilkinson by Mrs. Lula Hambacher who said it had been plowed up, in new ground, in Wisconsin, by her grandfather, 108 years ago!" Digital image available
1210	**Instrument Type:** Flute in C **Maker Name:** I. Ziegler **Maker Place:** Vienna **Maker Date:** 1821-p1895 **Materials:** Ivory, silver barrel plaque, threaded cork-setting mechanism, keys, and ferrules. **Keys Holes System:** 11 keys, modern style key cups, with pewter plugs over metal-lined holes for C#, C, and B. Pin in metal-lined blocks and pin holes. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 69.75 cm. **Notes:** Short F key unusual. In addition to having a roller, sharing an access parallel to the flute bore, it is covered with and operated by another touch piece lever situated in a recessed metal-lined saddle, morticed between the 2 lower fingerholes. **Condition:** Head joint, both sections, cracked and filled. **Provenance:** J. Clayton Boyes, Bushey, England, 12 Mar. 1934. Digital image available

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1211	**Instrument Type:** Vertical Whistle Flute with Rattle **Maker Name:** Anonymous, South American Indian(?) **Materials:** Wood, whittled, burned into shaped, stained and engraved. Several small balls enclosed for rattle. **Keys Holes System:** 0/2 holes. **Physical Description:** Made in 2 pieces of bored-out soft wood. **Measurement:** 55.6 cm. **Notes:** DCM ledger; "Indian Whistle-Rattle / South America?" [and] "There is a picture of an Indian playing just such a flute in my collection of Art work, 'Indian Chief, South America.'" **Provenance:** Source not known. Digital image available
1212	**Instrument Type:** Flute in C **Maker Name:** Florentin Barbier **Maker Place:** Paris **Maker Date:** 1869-ca. 1910 **Materials:** Nickel silver. **Keys Holes System:** Boehm system, closed G#, foot to B operated by left hand. **Physical Description:** 3 sections, cylindrical. **Measurement:** 69 cm. **Notes:** Crutch. **Provenance:** Arthur Gemeinhardt, New York, 4 Apr. 1934. Digital image available
1213	**Instrument Type:** Flute in C **Maker Name:** T. van Everen **Maker Place:** New York **Materials:** Grenadilla, nickel silver keys and ferrules. Two experimental wooden touch pieces for RH. **Keys Holes System:** DCM ledger: "Boehm System, modified. Experimental arrangement of finger-touches, clutches, adjusting screws, etc. Open G#. Special feature: open-standing D# foot key, requiring complete change of foot keys, etc." **Physical Description:** 2 sections, cylindrical. **Measurement:** 68.1 cm. **Notes:** DCM ledger: "Design developed by Mr. T. Van Everen...New York City." **Condition:** Head joint cracked. Body cracked at upper socket. Key work greatly out of adjustment. **Provenance:** Arthur Gemeinhardt, New York, 4 Apr. 1934. Digital image available

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1214	**Instrument Type:** Recorder in High D (Sixth Flute) **Maker Name:** Thomas Stanesby **Maker Place:** London **Maker Date:** 1691-1733/34 **Materials:** Ivory. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 30.3 cm. **Condition:** Beak and foot joint large bottom bead chipped (losses). **Provenance:** W. Howard Head, London, 9 Apr. 1934. Digital image available
1215	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous, North American Indian (Sioux) **Materials:** Bone, decorated with thongs, thimble, and small bells. **Keys Holes System:** 0/4 holes. **Physical Description:** 13 hand-filed or carved grooved rings. **Measurement:** 13.8 cm. **Notes:** DCM ledger: "American Indian, Sioux." **Condition:** Cracked through fingerhole area and block missing (if it had one). **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 7 May 1934. Digital image available
1216	**Instrument Type:** Flute in C **Maker Name:** Wylde **Maker Place:** London **Maker Date:** 1835-36 **Materials:** Cocus, silver keys, ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs over square metal plates for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.4 cm. (cap assembly missing). **Notes:** DCM ledger: "1835 or 1836 only at this address." **Condition:** Head joint, both sections, cracked and filled. C#, C key block missing spacer and previously repaired outer edge. **Provenance:** J. Cheetham, Birkenhead, England, 12 May 1934. Digital image available
1217	**Instrument Type:** Flute in ? **Maker Name:** Anonymous **Materials:** Unidentified wood. **Keys Holes System:** 0/6 holes. **Physical Description:** 1 piece. Transverse flute, cylindrical bore. **Measurement:** 54.8 cm. **Notes:** This instrument appears to be an attempt at reproducing a pre-baroque transverse flute. Quite crudely made and appearing to have a head joint, but is, in fact, a one-piece instrument. **Provenance:** Miss V. G. Egger, Middleboro, Massachusetts, 7 June 1934. Digital image available

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1218	**Instrument Type:** Walking Stick Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Unidentified wood, acid stained imitation grain. Bone cap, brass tip, brown tassel. **Keys Holes System:** 4 keys, pin in block. The keys are formed to appear as knots in the wood and one is repositioned for the same reason; the F key is for the right thumb instead of RH 3rd finger. **Physical Description:** 1 section. **Measurement:** 92.7 cm. **Notes:** Two large and 2 small terminating vent holes. Bottom is tipped with a long tapered brass ferrule and possibly also with an iron round headed tack, now missing. The cord holes above the cork were bushed with unknown material, possibly early natural plastic (one is missing). The pommel appears to be a replacement incorporating a threaded bottle cap likely from an ink or other bottle containing its own brush. **Provenance:** Boston Antique Shop, Boston, 17 June 1934. Digital image available
1219	**Instrument Type:** Flute in C **Maker Name:** Hermann Wrede **Maker Place:** London **Maker Date:** 1814-1829 **Materials:** Boxwood, stained brown, ivory cap and ferrules, silver keys. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.2 cm. **Provenance:** Boston Antique Shop, Boston, 22 June 1934. Digital image available
1220	**Instrument Type:** Flute in C **Maker Name:** Firth Pond & Co. **Maker Place:** New York **Maker Date:** 1847/48-1863 **Materials:** Cocus(?), ivory cap and ferrules, nickel silver key. **Keys Holes System:** 1 key, round flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.8 cm. **Condition:** Flute warped. Head and cap cracked. Foot joint upper ferrule is a replacement. **Provenance:** Whitlock's Book Store, New Haven, Connecticut, 19 June 1934. Digital image available

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1221	**Instrument Type:** Flute in E-flat **Maker Name:** François Antoine Sautermeister **Maker Place:** Lyon **Maker Date:** 1809-1830 **Materials:** Boxwood, brass key, bone(?) ferrules. **Keys Holes System:** 1 key, oval curved sheet metal flap. **Physical Description:** 4 sections. **Measurement:** 52.3 cm. **Condition:** Head joint cap missing decorative inlay, material unknown, likely bone. Head joint lower ferrules cracked. Upper body joint slightly warped. Lower body joint ferrules cracked. Key finger lever broken off near pin, and missing. **Provenance:** Whitlock's Book Store, New Haven, Connecticut, 14 July 1934. Digital image available
1222	**Instrument Type:** Piccolo in C(?) **Maker Name:** Monzani **Maker Place:** London **Maker Date:** ca. 1822-1833 **Materials:** Cocus(?), stained brown, ivory upper head joint, ivory cork-setting mechanism with silver stud, silver keys and ferrules. **Keys Holes System:** 4 keys (see Notes), round flaps, modern post and rod (screw) mounted on oval flanges. **Physical Description:** 3 sections. **Measurement:** 32.6 cm. **Notes:** This instrument appears to be a composite possibly cut down from a longer band flute. The instrument appears to have had 5 keys originally, including long and short F. Old style flat key flaps, mounted in integral blocks. The current key work seems to be a replacement of an earlier key replacement attempt involving non-integral blocks, the mortices for which are still present, some of them filled with wood and animal horn. **Provenance:** Source not known. Digital image available
1223	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Materials:** Cocus, ivory cork-setting mechanism with silver shaft in wood cap, silver keys, ferrules, and lined sockets. **Keys Holes System:** 10 keys, round flat flaps, foot to B. Pin in block. Novel RH 1st finger B-flat lever incorporating roller between it and LF thumb B-flat key for reduced friction. **Physical Description:** 3 sections, tuning slide in head, no separate foot joint. **Measurement:** 70.6 cm. **Condition:** Head joint, both sections, cracked and filled. Embouchure altered with wedge-shaped recessed lip guide, likely not original. **Provenance:** Pierre Hans, Brussels, 1930. Digital image available

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1224	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Animal tooth or tusk. **Measurement:** 8.2 cm. **Provenance:** William Powell, Birmingham, England, Apr. 1931. Digital image available
1225	**Instrument Type:** Flute in C **Maker Name:** Asa Hopkins **Maker Place:** Litchfield **Maker Date:** 1829-1837 **Materials:** Boxwood, ivory cap and cork-setting mechanism (now missing), silver keys, ivory ferrules. **Keys Holes System:** 4 keys, flat round flaps, pin in block. **Physical Description:** 4 sections, tuning slide in metal-lined head. **Measurement:** 59.9 cm. **Condition:** Head joint cap and cork-setting mechanism missing, DCM recorded it as being present. Head joint lower section cracked, tuning slide frozen. Lower body joint socket has both with-grain and cross-grain cracks and is partly broken off. Foot joint, bottom ferrule, cracked. **Provenance:** Caroline Osborn, Cleveland, Ohio, 4 Aug. 1934. Formerly owned by her father, Dr. Moses Willis Osborn, born about 1809 in East Windsor, Connecticut. Digital image available
1226	**Instrument Type:** Flute in C **Maker Name:** Potter **Maker Place:** London **Maker Date:** ca 1745-1823 **Materials:** Unidentified wood, ivory cap, cork-setting mechanism, and ferrules, silver keys. **Keys Holes System:** 4 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in metal-lined head. **Measurement:** 60 cm. **Condition:** Head joint, upper ferrule, a replacement, as is part of the cork-setting mechanism. B-flat key block cracked at pin line, poorly repaired. Foot joint upper ferrule, a replacement. Small chip of wood missing from E-flat key mount. **Provenance:** Secondhand store, Toronto, Ontario, 24 Aug. 1934. Digital image available

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1227	**Instrument Type:** Flute in C **Maker Name:** Firth Hall & Pond **Maker Place:** New York **Maker Date:** 1833-1847 **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.3 cm. **Condition:** When received by DCM, this instrument was in "perfect condition." However, the foot joint has a highly unusual cracking pattern, both with-grain and cross-grain, around the E-flat tonehole, apparently all occuring post-1934, when DCM acquired the instrument. Lower body joint slighly warped. **Provenance:** W. C. Fisher, Shelby, Ohio, 22 Sept. 1934. Digital image available
1228	**Instrument Type:** Vertical Whistle Flute (Courting Flute) **Maker Name:** Anonymous, North American Indian **Materials:** Bamboo, ribbons. **Keys Holes System:** 0/3 holes. **Physical Description:** DCM ledger: "Knot in center for septum for blowhole. Freely open at both ends. 'Cap' tied on with ribbons. 3 very small Finger Holes. Decorated all over with geometric incised lines, triangle and rectangles, and dots. Lines and areas stained brown and blue." **Measurement:** 49 cm. **Notes:** DCM ledger: "American Indian, Yuman [Yuma], California." The cap mentioned by DCM may refer to a multi-layer brown paper ferrule affixed with ribbons that may have served as the original or temporary flue cover. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 30 Sept. 1934. Letter to DCM, 29 Dec. 1934: "The Flute has been in a museum collection for 40 years. Their book of records says 'Secured at Yuma [Yuman] Indian Village, California.'" Digital image available
1229	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Materials:** Cocus, ivory stud, silver ferrules. **Keys Holes System:** 8 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. Ferrules lightly embossed. **Measurement:** 66.75 cm. **Condition:** Head joint, both sections, cracked and filled. Half of upper C key missing, G# key spring missing. Small portion of C# key missing at pivot point. **Provenance:** Whitlock's Book Store, New Haven, Connecticut, 28 Oct. 1934.

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1230	**Instrument Type:** Flute in C **Maker Name:** Card **Maker Place:** London **Maker Date:** 1863-1876 **Materials:** Cocus, silver-plated head joint tube, tuner device, keys, and ferrules. Cocus-lined barrel. Silver-plate over brass with cocus embouchure barrel. **Keys Holes System:** DCM ledger: "Silver keys, 'Boehm' style, on short posts, 'delicate' pattern. Keys are Card's 'patent' system…. With unique slide moved by RACK and PINION, half way between barrel and embouchure; all in silver." Silver bushings (originally 4). Two finger rings for F#. **Physical Description:** 3 sections, tuning slide in head. Rack and pinion tuner device. Ferrules highly engraved. **Measurement:** 65.4 cm. **Case:** Long flute case, with silver plate engraved: T. DAVISON. **Condition:** Head joint, both wood sections, cracked and filled. Fingerhole 6 missing bushing. Foot joint bottom ferrule missing. **Provenance:** William Moore, Claremont, West Australia, 24 Nov. 1934. Digital image available
1231	**Instrument Type:** Flute in C **Maker Name:** Anthony **Maker Place:** Philadelphia **Maker Date:** ca. 1764-1811 **Materials:** Ebony(?), silver cap with ebony cork-setting mechanism, silver keys, and decorative ferrules. **Keys Holes System:** 5 keys, G# (missing, including mount), F, B-flat, the low C# key lower portion have silver saddles, the E-flat key and C# key upper portion are pin in block. Square flat flap, foot to C#. The B-flat key is for LH 3rd finger. Each corps de rechange has a B-flat key, the one on the longest corps is missing, including mount. **Physical Description:** 4 sections, with 3 corps de rechange. **Measurement:** 65.4 cm., 68.1 cm., 68.15 cm. **Notes:** This flute, a Walking Stick Flute (DCM 271), and a Clarinet (DCM 1662, formerly in the R. E. Sheldon Collection of Musical Instruments), are three of only five Anthony instruments discovered to date. **Condition:** Missing parts, see above. Head joint, 2 cracks, and repaired, with modern compound. Lower body joint cracked at socket. Three cracks at foot joint socket. **Provenance:** James Denning Price, West Hartford, Connecticut, 6 Dec. 1934. Digital image available

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1232	**Instrument Type:** Walking Stick Flageolet **Maker Name:** Anonymous **Materials:** Unidentified wood, possibly maple, stained dark brown/black. Ivory pommel and bushings, brass key, and bottom ferrule with steel tip in bullet shape. **Keys Holes System:** 1/8 holes. The lowest hole covered with a brass key, pin in block, round flat flap, plus 2 vent holes beneath that. **Physical Description:** 2 sections, conical, the lower section being a fairly long and removable and optional staff. See Notes. **Measurement:** 82.45 cm. **Notes:** The exterior is meant to look like a series of 6 terraced outer diameter sections decreasing in size from top to bottom, not particularly sophisticated in finish. However, the ivory cord eyelets and pommel are quite elegantly crafted including a silver disk inlay at top having an initial, possibly an "F". The top of the pommel is further decorated radially with 5 holes bushed with a brass lining, each surrounding a now missing inlay, the nature of which is unknown, possibly cut glass. In between 2 of those 5 holes are 2 more holes, not bushed, of approximately the same size which function as the mouth piece. At the bottom of the main body joint there is a cleverly concealed brass ferrule morticed into the end as a strengthening device (not part of the bore). Surrounding the exterior is another ferrule of animal horn, possibly original(?). **Condition:** See Notes. **Provenance:** James Denning Price, West Hartford, Connecticut, 6 Dec. 1934. Digital image available
1233	**Instrument Type:** Flute in C **Maker Name:** Schuchart **Maker Place:** London **Maker Date:** 1731-1767 **Materials:** Ivory, silver key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections, with 3 of 4 or more corps de rechange. **Measurement:** 60.3 cm., 61 cm., 64.1 cm. **Provenance:** W. Howard Head, London, 7 Jan. 1935. Digital image available

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1234	**Instrument Type:** Flute in C **Maker Name:** Christopher Gerock **Maker Place:** London **Maker Date:** 1805-1823 **Materials:** Ebony(?), stained cocus(?), ivory cap and ferrules, silver keys, metal-lined head. **Keys Holes System:** 6 keys, square flat flap except pewter plugs over metal-lined holes for C#, C. Foot to C, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.5 cm. **Condition:** Head joint, both sections, both ferrules, severely cracked. Lower body joint missing ferrule and socket multicracked, one stopping at fingerhole 4. F key block small crack on one side. **Provenance:** Miss Desirée Ellinger (Mrs. Henry Carte, of Rudall, Carte & Co.) Collection, sale, Puttick & Simpson, London, 29 Nov. 1934, obtained by Harold Reeves, London, on behalf of DCM, received 7 Jan. 1935. Digital image available
1235a-b	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1812 **Materials:** Clear glass, frosted, silver cap, keys, and ferrules. **Keys Holes System:** 6 keys (D foot) and 8 keys (C foot), flat curved flaps. Post and rod attached to flanges bolted to body of the instrument except for G# and D# which are soldered to their respective sockets. Low C#, C finger levers are mounted in a bassoon-like key saddle also soldered to the foot joint socket ferrules and transferring motion to the key flaps at right angles. **Physical Description:** 4 sections, and extra foot joint. Fluted exterior. **Measurement:** 60.6 cm. (D foot), 65.9 cm. (C foot) **Notes:** DCM ledger: "Foot joint added 1935 Mr G[eorge at Rudall Carte]." The ledger indicates that the original flute was made with the D foot. **Condition:** Middle joint safety hook missing. Both foot joints are by Laurent, neither may be original. Foot joint (D) broken at bottom while on exhibit at Crystal Palace Exhibition (London, 1900), crudely repaired by inserting brass tube and then gluing fragments over it. **Provenance:** Miss Desirée Ellinger (Mrs. Henry Carte, of Rudall, Carte & Co.) Collection, sale, Puttick & Simpson, London, 29 Nov. 1934, obtained by Harold Reeves, London, on behalf of DCM, received 7 Jan. 1935.

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1236	**Instrument Type:** Flute in C **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** 1847-1850 **Materials:** Silver. **Keys Holes System:** Boehm system, essentially 1847 style, open G#. **Measurement:** 64.8 cm. **Notes:** DCM ledger: "It looks like Boehm's own workmanship, but probably is a 'copy' by R & R. Can not identify it in Boehm's account book." **Condition:** Slide is now provided with a rack and pinion adjustment attached by a hinged clasp around the tube. Crutch missing. **Provenance:** Miss Desirée Ellinger (Mrs. Henry Carte, of Rudall, Carte & Co.) Collection, sale, Puttick & Simpson, London, 29 Nov. 1934, obtained by Harold Reeves, London, on behalf of DCM, received 7 Jan. 1935. Digital image available
1237	**Instrument Type:** Flute in B-flat **Maker Name:** Theobald Boehm **Maker Place:** Munich **Maker Date:** 1848 **Materials:** Nickel silver with silver embouchure plate. **Keys Holes System:** Boehm system, open G#. **Measurement:** 70.4 cm. **Notes:** DCM ledger quotes Boehm's record book: "Aug. 20 1848. Eine B Flöte von Argentan mit Dekelklappen und silber Mundloch £14. Den 20th August abgesendet an M. Richard Carte, 38 Southampton Street, Strand, London. Bezahlt 18 Dezember." **Condition:** DCM ledger: "Flute had an added 'Briccialdi' thumb attachment--removed this." Missing upper D pad cup (C), also low C (B-flat) pad cup. Crutch missing. **Provenance:** Miss Desirée Ellinger (Mrs. Henry Carte, of Rudall, Carte & Co.) Collection, sale, Puttick & Simpson, London, 29 Nov. 1934, obtained by Harold Reeves, London, on behalf of DCM, received 7 Jan. 1935. Digital image available

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1238	**Instrument Type:** Bass Flute in C **Maker Name:** R. Burghley (Burleigh) **Maker Place:** Camden Town **Maker Date:** ca. 1845 **Materials:** Mahogany, japanned wood keys, bone ferrules (one japanned), key post (or bolts), and decorative studs for keys and head joint cap. **Keys Holes System:** 11 keys, plus 2 fingerholes. See DCM 1092 regarding Burghley design. See DCM 1095 regarding key stacking. The wider tonehole spacing requirements have been addressed by adding 4 more keys to cover fingerholes 1, 3, 4, and 6 plus the RH thumbhole. Like DCM 1095, this flute has 2 vent holes plus the same RH little finger stacked key and spring design. The foot joint has 2 vent holes (like DCM 1092), and the RH little finger keys have been attached in the same manner, each being its own spring. **Physical Description:** 3 sections, head joint in 2 parts, body, and foot joints. With angular 2-piece head joint and overall design similar to Alto Flute DCM 1092. **Measurement:** 118.5 cm. **Condition:** Ferrules cracked (DCM replacement?). Fingerhole 6 key missing bone guide post. Foot joint keys missing upper guide post which has broken off, the base of which is still in the instrument. Crutch missing. **Provenance:** Miss Desirée Ellinger (Mrs. Henry Carte, of Rudall, Carte & Co.) Collection, sale, Puttick & Simpson, London, 29 Nov. 1934, obtained by Harold Reeves, London, on behalf of DCM, received 7 Jan. 1935. Digital image available
1239	**Instrument Type:** Bass Flute in C **Maker Name:** Wigley & McGregor **Maker Place:** London **Maker Date:** 1811-1816 **Materials:** Boxwood, ivory cap and ferrules, brass keys and U-bend pipe. **Keys Holes System:** 8 keys, 4 keys with 4 extra keys covering principal rank toneholes 1, 3, 4, and 6. Flat flaps, foot to D, pin in block. **Physical Description:** 4 sections: head joint in 3 portions--2 single tubes connected by a brass U-bend pipe. See DCM 1098. **Measurement:** 89.1 cm. **Notes:** Mark on foot: 2 / (Royal arms) / WIGLEY & McGREGOR / PATENTEES / 151 STRAND / LONDON **Condition:** Head joint cap a later addition. One head joint ferrule also a replacement. Head, upper and middle joint warped. Opening seam in U-tube. **Provenance:** Miss Desirée Ellinger (Mrs. Henry Carte, of Rudall, Carte & Co.) Collection, sale, Puttick & Simpson, London, 29 Nov. 1934, obtained by Harold Reeves, London, on behalf of DCM, received 7 Jan. 1935. Digital image available

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1240	**Instrument Type:** Tenor Recorder in C **Maker Name:** Bassano **Maker Place:** London **Maker Date:** second quarter 16c-mid 17c **Materials:** Unidentified wood, stained reddish brown. **Keys Holes System:** 1/8 (extra little fingerhole). **Physical Description:** 1 piece. **Measurement:** 62.85 cm. **Notes:** For further information on the mark, see Langwill, and Maggie Lyndon-Jones, "A Checklist of Woodwind Instruments marked !!" in Galpin Society Journal, April 1999, p. 243. The instrument is unusual in that the labium is cut into the rear of the pipe, allowing the instrument to be held in a more downward gesture. Typical of late Renaissance woodwinds, the exterior is quite plain, and there are twin fingerholes to be used by the little finger of either hand operating the lower half of the instrument. The hole not used is plugged with a cork. This is the oldest European instrument in the Miller Collection. **Condition:** The labium edge is damaged and partially missing and at that the instrument still plays curiously well. **Provenance:** Miss Desirée Ellinger (Mrs. Henry Carte, of Rudall, Carte & Co.) Collection, sale, Puttick & Simpson, London, 29 Nov. 1934, obtained by Harold Reeves, London, on behalf of DCM, received 7 Jan. 1935. Digital image available
1241	**Instrument Type:** Nose Flute(?) **Maker Name:** Anonymous **Materials:** Bamboo. **Keys Holes System:** 6 lateral holes, one at each end near septum, 2 more each about one-third of distance from pipe, plus 2 more on back of pipe also roughly one-third of the distance of the pipe. **Physical Description:** Large diameter bamboo closed at each end with natural septum. **Measurement:** 58.25 cm. **Condition:** Cracked. **Provenance:** Miss Desirée Ellinger (Mrs. Henry Carte, of Rudall, Carte & Co.) Collection, sale, Puttick & Simpson, London, 29 Nov. 1934, obtained by Harold Reeves, London, on behalf of DCM, received 7 Jan. 1935. Digital image available
1242	**Instrument Type:** Vertical Whistle Flute (Furulya) **Maker Name:** Anonymous **Materials:** Unidentified wood. **Keys Holes System:** 3 closely spaced fingerholes a little beneath center plus 2 more further down the pipe, with a gap of 3.5 centimeters between the 2 sets or groups of fingerholes. **Physical Description:** Long, roughly cylindrical wooden pipe, with fipple and block at upper end. Nearly the entire surface is decorated with closely spaced turned scribed lines plus groups of circles with a dot in the center of each in pyramid clusters, resembling grapes(?). **Measurement:** 95.6 cm. **Provenance:** Miss Desirée Ellinger (Mrs. Henry Carte, of Rudall, Carte & Co.) Collection, sale, Puttick & Simpson, London, 29 Nov. 1934, obtained by Harold Reeves, London, on behalf of DCM, received 7 Jan. 1935. Digital image available

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1243	**Instrument Type:** End-Blown Flute **Maker Name:** Anonymous **Materials:** Cane. **Keys Holes System:** 0/5 holes. **Physical Description:** Side spurs at septums. **Measurement:** 76.9 cm. **Provenance:** Miss Desirée Ellinger (Mrs. Henry Carte, of Rudall, Carte & Co.) Collection, sale, Puttick & Simpson, London, 29 Nov. 1934, obtained by Harold Reeves, London, on behalf of DCM, received 7 Jan. 1935. Digital image available
1244	**Instrument Type:** Flute (Body and Foot only) **Maker Name:** Anonymous **Materials:** Cocus, nickel silver keys, key levers and thumb rest, rods, and ferrule. **Keys Holes System:** 9 key levers and key cups covering 19 toneholes. The 9 keys are situated on the lower half of the tube and close toneholes directly under the finger levers, each of which also closes a smaller and corresponding tonehole situated halfway up the tube (in relation to its corresponding tonehole and lever beneath) apparently operating a fundamental one octave higher. The device has an adjustment screw and lever directly above each upper octave tonehole, used therefore as a piccolo. Each corresponding octave lower tonehole is essentially out of play, and used as a flute the upper octave toneholes are closed as necessary. **Physical Description:** Duplex flute, cylindrical bore, flute body in one piece. Two thumb rests for vertical playing. **Measurement:** 45.3 cm. **Notes:** The head joint of this singular instrument is missing, and its nature is not known. If intended as a flute, rather than a reed instrument, it would seem to be an attempt at a combination flute and piccolo, therefore likely having had two interchangeable head joints, probably similar to those designed for the Giorgi vertical model flutes. **Provenance:** Miss Desirée Ellinger (Mrs. Henry Carte, of Rudall, Carte & Co.) Collection, sale, Puttick & Simpson, London, 29 Nov. 1934, obtained by Harold Reeves, London, on behalf of DCM, received 7 Jan. 1935. Digital image available

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1245	**Instrument Type:** Fife in A-flat **Maker Name:** Anonymous **Maker Date:** probably 19c **Materials:** Unidentified wood, possibly ebony. Aluminum vessel top or mechanical part serving as end cap. Nickel silver end ferrule at bottom. **Keys Holes System:** 2/6 holes. **Measurement:** 38.4 cm. **Condition:** Most of the instrument is covered with a thick coating(s) of varnish or shellac over areas wound with string, possibly as crack repair attempts. Most of the instrument has been seriously altered. The portion above the embouchure hole has been cut off at least 2 centimeters or more. The embouchure hole has been enlarged to 11.4 x 10.2 millimeters. The 6 principal rank toneholes have also been enlarged, four of them utilizing rectangular wooden inlays, perhaps to accomplish that end. Two thumbholes have been added, the upper of which shows possibly evidence of having been operated by a (now missing) key. **Provenance:** Thomas M. Fagan, Portland, Maine, 10 Jan. 1935. DCM ledger: "Said by Mr. Fagan to have been used in the Revolutionary War; highly prized by him." Digital image available
1246	**Instrument Type:** Fife in A-flat (B-flat) **Maker Name:** George Cloos **Maker Place:** New York **Maker Date:** ca. 1862 **Materials:** Rosewood(?), nickel silver end ferrules. **Keys Holes System:** 1/6 holes. This instrument has an added left thumbhole, apparently for C natural, roughly half-way between the embouchure hole and maker mark. There is evidence of a metal crack-prevention ferrule, now missing. **Measurement:** 43.3 cm. **Provenance:** Thomas M. Fagan, Portland, Maine, 10 Jan. 1935. Formerly in the collection of John T. Fagan, Portland, Maine. Digital image available
1247	**Instrument Type:** Flute in C **Maker Name:** Klemm **Maker Place:** Philadelphia **Maker Date:** second quarter 19c **Materials:** Boxwood, ivory cap and ferrules, nickel silver key. **Keys Holes System:** 1 key, saltspoon, pin in block. **Physical Description:** 4 sections **Measurement:** 60.8 cm. **Condition:** Head joint warped and cracked. Lower body joint cracked. Three ferrules are missing, 2 have been replaced, likely by DCM. **Provenance:** Mrs. Jessie Poole Austin, Smith's Cove, Digby Co., Nova Scotia, 23 Feb. 1935. Digital image available

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1248	**Instrument Type:** Flute in C **Maker Name:** Alfred G. Badger **Maker Place:** New York **Maker Date:** 1860-1868 **Materials:** Rosewood, engraved silver lip plate ferrule, and silver ferrules. Silver ring keys with raised silver-lined holes. Metal-lined head and sockets. **Keys Holes System:** Boehm system, Dorus-G#, DCM ledger: "single thumb key hole with Briccialdi lever." **Physical Description:** 3 sections, tuning slide in head, conical. **Measurement:** 67 cm. **Provenance:** Baxter-Northup Co., Los Angeles, 2 Apr. 1935. Digital image available
1249	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous **Materials:** Unidentified wood, carved as if to resemble bamboo. **Keys Holes System:** 0/6 holes. **Physical Description:** One piece. **Measurement:** 38.1 cm. **Provenance:** Albert Riemenschneider, Cleveland, Ohio, 3 Apr. 1935. DCM ledger: "…obtained from a native boy in the market at Quibocolo, Congo, and sent to Prof. Albert Riemenschneider by August Klebsattel, of Evangelical Mission, at Angola, Port Africa." DCM correspondence includes picture of the market at Quibocolo. Digital image available
1250	**Instrument Type:** Flute in C(?) **Maker Name:** Anonymous **Materials:** Wood, likely maple. **Keys Holes System:** 0/6 holes. **Physical Description:** 2 sections, cylindrical. **Measurement:** 64.1 cm. **Notes:** DCM ledger: "Replica of Transverse Flute, from measurements of the figure in Praetorius Syntagma II, plate IX, g." This instrument is rather crudely made and its dimensions may be suspect. **Provenance:** Maurice Duxbury, Case School of Applied Science, Cleveland, Ohio, 4 Apr. 1935. Digital image available

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1251	**Instrument Type:** Flute in C **Maker Name:** Firth Pond & Co. **Maker Place:** New York **Maker Date:** ca. 1863 **Materials:** Rosewood(?), nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, round modern style key cups, with pewter plugs over round metal plates for C#, C. **Physical Description:** 4 sections. **Measurement:** 66.1 cm. **Condition:** Head joint, both sections, cracked. Head filled. Embouchure crudely reshaped. **Provenance:** Clayton Lindsay, Washington, D.C., 25 Apr. 1935. Digital image available
1252	**Instrument Type:** End-Blown Flute **Maker Name:** Frank Logan, North American Indian (Yuki) **Maker Date:** 1929 **Materials:** Elderwood, slightly burned all over. **Keys Holes System:** 0/4 holes. **Physical Description:** Vertical, end-blown flute, both end edges sharpened. **Measurement:** 25.6 cm. **Notes:** DCM ledger: "Yuki Indian Flute...Round Valley, California. Made by Frank Logan. Summer, 1929." **Provenance:** Helen H. Roberts, New Haven, Connecticut, 9 May 1935. Digital image available
1253	**Instrument Type:** Soprano Recorder in A **Maker Name:** Bärenreiter Verlag **Maker Place:** Kassel **Maker Date:** a1935 **Materials:** Cocus, nickel silver ferrule. **Keys Holes System:** 1/7 holes **Physical Description:** 2 sections. **Measurement:** 39 cm. **Provenance:** Helmuth G. Arendt, Quantico, Virginia, 13 May 1935. Digital image available
1254	**Instrument Type:** Alto Recorder in E **Maker Name:** Bärenreiter Verlag **Maker Place:** Kassel **Maker Date:** a1935 **Materials:** Cocus, nickel silver ferrules. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 53.4 cm **Provenance:** Helmuth G. Arendt, Quantico, Virginia, 13 May 1935. Digital image available

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1255	**Instrument Type:** Tenor Recorder in A **Maker Name:** Bärenreiter Verlag **Maker Place:** Kassel **Maker Date:** a1935 **Materials:** Maple, nickel silver key and ferrules. **Keys Holes System:** 1/7 holes, with key. **Physical Description:** 3 sections. **Measurement:** 75.7 cm. **Provenance:** Helmuth G. Arendt, Quantico, Virginia, 13 May 1935. Digital image available
1256	**Instrument Type:** Flute or Fife in A-flat (B-flat) **Maker Name:** William Hollings **Maker Place:** London **Maker Date:** 1874-1890 **Materials:** Boxwood, brass key and ferrules. **Keys Holes System:** 1 key, round flap, pin in block. **Physical Description:** 2 sections. **Measurement:** 39.9 cm. **Notes:** This 2-piece band flute in A-flat with slight conical bore may have been used or sold as a "Fife in B-flat." Musically not dissimilar to band flutes of more traditional 3 or 4-part construction, this instrument is fife-like regarding its exterior, with the wide sheet metal ferrules. See "Fife vs. Band Flute." **Condition:** Head, small crack. Body, slightly warped. **Provenance:** Charles Foye, Roxbury, Massachusetts, 10 June 1935. Digital image available
1257	**Instrument Type:** Recorder in High D (Sixth Flute) **Maker Name:** Beukers **Maker Place:** Amsterdam **Materials:** 3 joints, the head and foot joints are elaborately decorated with fluting and ornamental lathe turning décor. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 30.7 cm. **Notes:** Foot joint lower end of bore has a pair of channels carved about 180 degrees apart and to a depth of about 8 millimeters (along inside bore), purpose uncertain. However, this may have been a means of mounting the joint between lathe centers, one of which may have had shallow wings to ensure motion to withstand the forces exerted by the ornamental turning attachments. **Condition:** The head joint appears to be an unstable piece of ivory having numerous cracks at both ends with a portion of the beak directly above the window broken off but mostly present. Ivory loss inside head joint socket. Body joint lower tenon appears to have been broken and/or slightly shortened. Foot joint ivory loss inside socket. **Provenance:** Walter J. Ford, Upper Darby, Pennsylvania, 22 June 1935. Digital image available

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1258	**Instrument Type:** Bass Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** 1933 **Materials:** Silver-plated, silver embouchure plate. **Keys Holes System:** Boehm system, open G#. **Physical Description:** 2 pieces, the main body including coil, double U-bend, and the head joint, which itself is in 2 parts, allowing 2 planes of swivel adjustability. The head joint consists of curved element and tuning slide. **Measurement:** 99.4 cm. **Provenance:** Rudall, Carte & Co., London, 29 Aug. 1935. Digital image available
1259	**Instrument Type:** Sopranino Recorder in F [Stolen] **Maker Name:** Anonymous **Maker Date:** 18c **Materials:** Ivory. **Keys Holes System:** 1/7 holes. **Physical Description:** Engraved throughout, black filled with animals, birds, in a spiral effect around the center joint. **Measurement:** 24.9 cm. **Notes:** Two flutes were stolen from the Library of Congress a number of years ago and are likely in Europe. They are DCM 329 and DCM 1259. This is a photograph of DCM 1259. The digital image shown here was taken from an original photographic print made by Miller. You are encouraged to be watchful for this instrument and to report any relevant information to the Library of Congress. Contact the Music Division at cwar@loc.gov. The instrument is unique and can be easily identified by photographs in the files of the Library and the FBI. **Condition:** DCM ledger: "A beautiful unique specimen in perfect condition, except lip is slightly nicked." **Provenance:** Rudall, Carte & Co., London, 29 Aug. 1935. Digital image available

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1260	**Instrument Type:** Flute in C **Maker Name:** Cornelius Ward **Maker Place:** London **Maker Date:** 1836-ca. 1870 **Materials:** Silver, including all key work, tonehole elevations, crutch socket and elevated finger rest flanges. **Keys Holes System:** Ward's patent system, conical bore, see DCM 572. Elevated (3) finger support flanges mounted on wide, curved ribs. **Physical Description:** 2 sections, tuning slide and Ward patented terminator. The instrument terminates in a miniature bell, with standard rolled-back bead. Elaborately engraved on the head joint cap, upper ferrule, embouchure plate, upper and lower ends of head joint. **Measurement:** 66 cm. **Notes:** The "barrel" or lower head joint section is unusually long, incorporating the socket at the lower end and the outer leg of the head joint tuning slide at the upper end. The head joint proper has Ward's patented T&I (see DCM 572). Address not noted in Langwill. **Condition:** Crutch missing. Although originally received by DCM, it and the mount may not be original. The bottom of the head joint appears to have had a decorative ferrule. **Provenance:** Rudall, Carte & Co., London, 29 Aug. 1935. Digital image available
1261	**Instrument Type:** Flute in C **Maker Name:** Whitaker **Maker Place:** London **Maker Date:** 1819 **Materials:** Ivory, ivory cap and cork-setting mechanism, silver keys. **Keys Holes System:** 7 keys, octagonal, pin in block. Foot to C. Patent roller on F key. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.4 cm. **Notes:** Head joint upper portion either a replacement or discolored on embouchure side due to crack repair attempt which may have obliterated original maker mark. It is also unusual in profile, having an integral extra wide (in length 4.1 centimeter) ferrule aroung the embouchure possibly to enlarge it for player comfort or convenience. **Condition:** Head joint, both sections, cracked. Low C# finger spatula missing. **Provenance:** Rudall, Carte & Co., London, 29 Aug. 1935. Digital image available

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1262	**Instrument Type:** Tenor Recorder **Maker Name:** Cahusac **Maker Place:** London **Maker Date:** second half 18c **Materials:** Stained boxwood, ivory ferrules, beak. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 62 cm. **Notes:** This instrument is a composite of original, altered, and unoriginal parts. The head joint may be in original condition, unless its socket was cut deeper to take an abnormally long tenon, resulting at the upper end of the body joint when it was drastically shortened. The lower end of the body joint may also have been shortened, and all or some toneholes enlarged. The foot joint is a replacement and not typical although turned by a competent craftsman. **Condition:** Head joint cracked full length, apparently having been filled with an unknown adhesive. Crack in foot joint socket, not including ferrule. **Provenance:** Rudall, Carte & Co., London, 29 Aug. 1935. Digital image available
1263	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Boxwood(?), ivory(?) cap, ferrules of ivory(?), 1 bone ferrule, 1 animal horn ferrule, ivory finger guides, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 59.7 cm. **Notes:** DCM ledger: "Reddish wood (stained?)….Carved whole length of body with longitudinal grooves or 'flutings,' with circles around the holes and embouchure; ivory studs for finger-guides at holes (a la flageolet). Unique!" The original form of this instrument is unclear. It is either completely a work of folk craftsmanship, or, a professionally-made inexpensive grade flute which was later decorated as above. The wood removed during that process may have contributed to its warpage problems. **Condition:** Warped. Three ivory finger guides apparently recent replacements (DCM). **Provenance:** W. E. Hill & Sons, London, 2 Sept. 1935. Digital image available

Unit Id	*Contents*
1264	**Instrument Type:** Flute in C **Maker Name:** Thomas Saxton; Hartley **Maker Place:** Nottingham; Nottingham? **Maker Date:** a1793-p1799; late 18c? **Materials:** Ivory, silver key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.8 cm. **Notes:** The head joint and upper body boldly stamped, with Saxton, including on the head the city name Nottingham, the Saxton stamp on the upper body joint has only the maker name, Saxton, with a trefoil above and a sun beneath, which is given in Langwill as an alternative stamp (Saxton), the lower body joint has the trefoil and sun lightly, as on the upper body joint, with the name Hartley stamped in between. The two body joints appear to be well-matched. The foot joint appears to be well-matched, but may be from another instrument. The original turnings on the foot are not present due to having been cut back to a shoulder to receive an ivory ferrule, intended to repair a crack in the foot socket. The repair was neatly and ornately executed, but not likely the original profile. **Condition:** Foot joint cracked, see Notes. **Provenance:** W. E. Hill & Son, London, 2 Sept. 1935. Digital image available

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1265	**Instrument Type:** Flute in C **Maker Name:** Thomas Prowse **Maker Place:** London **Maker Date:** 1832-1858 **Materials:** Rosewood, silver keys. See Condition. **Keys Holes System:** 7 keys, saltspoon, pin in block, with pewter plugs over square metal plates for C#, C. Nicholson holes. DCM ledger: "Keys in wood lugs lined with silver 'cheeks' with slotted extensions for spring-slides….2 lower keys plugs in square silver plates." **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.05 cm. **Notes:** DCM ledger: "Silver ferrules with gold inlaid central ring engraved with floral designs. Ivory ring bushing at embouchure. Dots for alignments. Square silver plate for lower lip at embouchure, engraved." **Case:** Original case. **Condition:** In addition to both sections of the head joint having the expected cracks (now filled), the exact original state of this instrument is hard to determine. The inlaid square silver lip plate obviously pertains to the presentation from Prowse. However, the decorative silver and gold ferrules are over original ivory ferrules and may also have been added for presentation purposes. The inlaid ivory embouchure bushing may also pertain in the same way, or, may pertain to a repair attempt, as the upper head crack passes nearly dead center through the embouchure hole. Furthermore, from the left of the presentation plate to the upper ferrule there is an entirely new section of the head joint, purpose unknown, most likely repair work to replace that element which may have been damaged beyond repair. In addition to the upper joint concave portion for LH 1st finger upper phalynx comfort, which appears to be original, a similar adaptation for the RH thumb is questionable. It takes the form of a chiseled flat surface apparently intended to receive a soft or friction-worthy material such as buff leather. **Provenance:** F. G. Bridges, London, 10 Sept. 1935. DCM ledger: "Mr. Bridges claims this is Nicholson's own flute. It seems reasonable." Digital image available
1266	**Instrument Type:** Tabor Pipe **Maker Name:** Thomas Cahusac, junior **Maker Place:** London **Maker Date:** 1802-1805 **Materials:** Ivory. **Keys Holes System:** 1/2 holes. **Physical Description:** 2 sections. Standard 2-piece tabor pipe. **Measurement:** 30.5 cm. **Condition:** Head joint cracked at socket and randomly checked at labium (small cracks, probably not full depth). Body joint has 2 small holes about 1 millimeter apart from each other, drilled in to the bore approximately 2 millimeters from the thumbhole, purpose unknown. **Provenance:** William Hayes, London, 11 Sept. 1935.

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1267	**Instrument Type:** Flute in A(?), Flute d'amore **Maker Name:** Mathäus Hirschstein **Maker Place:** Leipzig **Maker Date:** 1744-1769 **Materials:** Ivory, silver key and cork-setting mechanism. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 69.2 cm. **Condition:** Ivory cap and cork-setting mechanism do not appear to be original. The middle joint tenon is affixed to the joint with machine threads, possibly a replacement. Currently the tenon has shrunk so much that the threads make no mechanical contact and the tenon is currently stuck in the foot joint socket. **Provenance:** William Hayes, London, 11 Sept. 1935. Digital image available
1268	**Instrument Type:** Flute in C **Maker Name:** John Mason **Maker Place:** London **Maker Date:** a1754-p1756 **Materials:** Unidentified tropical dark wood, ivory cap and ferrules. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.2 cm. **Condition:** Head joint ferrules, 3 cracks, lower body joint socket and ferrule cracked. The ferrule has been repaired with a filling agent. Foot joint lower ferrule cracked and repaired with same filling agent. **Provenance:** William Hayes, London, 11 Sept. 1935. Digital image available
1269	**Instrument Type:** Flute in C **Maker Name:** Brown **Maker Place:** London? **Maker Date:** early 18c? **Materials:** Ivory, silver key. **Keys Holes System:** 1 key, square flap, pin in block. See Notes. **Physical Description:** 4 sections. English style with tenon on head joint. **Measurement:** 62 cm. **Condition:** Foot joint key, only a fragment remains, it having been broken off at both ends near the pin. **Provenance:** William Hayes, London, 11 Sept. 1935. Digital image available

Unit Id	*Contents*
1270	**Instrument Type:** Flute in C **Maker Name:** Button & Co. **Maker Place:** London **Maker Date:** 1814-1819 **Materials:** Boxwood, silver keys, ivory ferrules and cork-setting mechanism. **Keys Holes System:** 4 keys, pewter plug, the original F key has been replaced with a later nickel silver post and rod key, and very neatly done. **Physical Description:** 4 sections, tuning slide in metal-lined head. **Measurement:** 60.5 cm. **Notes:** According to Langwill, Button & Co. were musical instrument dealers. **Condition:** Foot joint bottom ferrule appears to be a replacement. **Provenance:** William Hayes, London, 11 Sept. 1935. Digital image available
1271	**Instrument Type:** Piccolo in D(?) **Maker Name:** Thomas Edward Purday **Maker Place:** London **Maker Date:** 1835-1862 **Materials:** Boxwood, brass key, bone head joint cap and ferrules. **Keys Holes System:** 1 key, square flat flap, now missing, likely brass, positioned perpendicular to bore. **Physical Description:** 2 sections. **Measurement:** 29.1 cm. **Notes:** The key indication "E" is unusual. From an English-speaking factory, an instrument in E-flat would have been stamped F or E with a modifying letter. In this case, "E" may indicate a piccolo actually in the key of "D" (see "Flute Misnomers"). Compared to other known E-flat and D-flat piccolos in the Miller Collection, this instrument appears to be in D-natural regarding relative length. **Condition:** E-flat key missing, including key block broken off at the pin line on both sides. **Provenance:** William Hayes, London, 11 Sept. 1935. Digital image available
1272	**Instrument Type:** Flute in C **Maker Name:** Longman & Broderip **Maker Place:** London **Maker Date:** 1776-1798 **Materials:** Ivory, silver key and ferrules. DCM ledger: "Ivory cap & stud." Ivory cap now missing. **Keys Holes System:** 1 key, square flat flap. Key engraved with a scalloped motif defining the outer edge of the finger spatula and continuing down the center to the key flap where it assumes a spade or shield image. The key may or may not be original. **Physical Description:** 4 sections. **Measurement:** 59.4 cm. (missing cap) **Condition:** Two original ferrules appear to be present (foot joint and lower body joint socket ferrules). Three more have been replaced with plain metal rings, possiby made by DCM. **Provenance:** William Powell, Birmingham, England, July-Sept., 1935. Digital image available

Unit Id	*Contents*
1273	**Instrument Type:** Flute in C **Maker Name:** Willis & Goodlad **Maker Place:** London **Maker Date:** 1825-1834 **Materials:** Cocus, silver keys and ferrules, ivory cork-setting mechanism. **Keys Holes System:** 8 keys, square flap, with pewter plugs over metal-lined holes for low C#, C (pre-cross pinned). Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.9 cm. **Case:** Brass escutcheon on case, scratched with: WINTER 1840. **Condition:** Head, both sections, cracked and filled. **Provenance:** W. Askew Gent, Peterborough, England, 25 Nov. 1935. Digital image available
1274	**Instrument Type:** Flute in C **Maker Name:** Graves & Co. **Maker Place:** Winchester **Maker Date:** 1830-1850 **Materials:** Unidentified wood, brass key, ivory ferrules. **Keys Holes System:** 1 key, round flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 61.3 cm. **Condition:** Head cracked, filled. **Provenance:** C. A. Tagliere, Los Angeles, 30 Nov. 1935. Digital image available
1275	**Instrument Type:** Flute in C **Maker Name:** Paine & Hopkins **Maker Place:** London **Maker Date:** 1821-1837 **Materials:** Cocus, silver cap, lip plate, keys, and ferrules (over ivory). **Keys Holes System:** 9 keys, to low B. Saltspoon, with pewter plugs over square metal plates for low D#-B. Pin in block. **Physical Description:** 4 sections. **Measurement:** 69.3 cm. **Notes:** Lip plate apparently not original, applied with silver tacks. **Case:** Brass escutcheon inlaid on top of case: NON CRUX SED LUX / (lion rampant). **Condition:** Head joint, both sections, cracked and filled. Middle and lower joint cracked. Foot joint socket cracked inside, missing C# and B-flat key dividing portions of pin block. Portion of G# key block missing. This instrument at some point received an additional block for RH 1st finger alternate B-flat (now missing) which opened the principal B-flat key with an integral prong extending into a hole bored in to the B-flat key cup. **Provenance:** Janet A. Bums, Rochester, New York, 2 Dec. 1935. Digital image available

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1276	**Instrument Type:** Flute in C **Maker Name:** Andreas Greve **Maker Place:** Mannheim **Maker Date:** a1803-mid 19c **Materials:** Ebony, ivory cap, cork-setting mechanism and ferrules, silver keys. **Keys Holes System:** 5 keys, round flat flaps (square for E-flat) in saddle mounts. **Physical Description:** 4 sections, conical, originally with 4 or more corps de rechange, the shortest, 1, is missing. **Measurement:** 61.4 cm., 61.6 cm., 62 cm. **Notes:** DCM indicates each corps de rechange is "provided with one interchangeable B-flat key." It is also possible that each such joint had a separate B-flat key, now missing. **Condition:** G# key and mount missing. Possibly missing 2 B-flat keys, see above. No cracks! **Provenance:** William Hayes, London, Jan. 1936. Digital image available
1277	**Instrument Type:** Flute in C **Maker Name:** Bacon & Hart **Maker Place:** Philadelphia **Maker Date:** ca. 1813-1833 **Materials:** Boxwood, silver keys, ivory cap, cork-setting mechanism, and ferrules, silver keys. **Keys Holes System:** 4 keys, saltspoon, pin in block. The lower end of the upper body joint is pre-cross pinned (brass) at the G# tonehole. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 60.2 cm. **Notes:** Register slide in foot. **Condition:** Head joint, lower section, cracked. Foot joint cracked beneath E-flat tonehole. **Provenance:** W. A. Butterfield, Boston, 30 Jan. 1936. Digital image available
1278	**Instrument Type:** Flute in C **Maker Name:** Christensen & Co. **Maker Place:** Boston **Maker Date:** 1916-1934 **Materials:** Silver-plated brass. **Keys Holes System:** Boehm system, closed G#, roller C. **Measurement:** 66.5 cm. **Condition:** Silver plate wearing in unusual pattern. DCM ledger: "Reconditioned by Wm. S. Haynes Dec. 1935." **Provenance:** William S. Haynes, Boston, 31 Jan. 1936. Digital image available

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1279	**Instrument Type:** Flute in C **Maker Name:** William Sherman Haynes **Maker Place:** Boston **Maker Date:** 1935 **Materials:** Silver. **Keys Holes System:** Boehm system, French model, closed G#. **Physical Description:** 3 sections. **Measurement:** 67.05 cm. **Notes:** DCM ledger: "Made especially for this Collection." **Provenance:** William S. Haynes, Boston, 31 Jan. 1936. Digital image available
1280	**Instrument Type:** Piccolo in C **Maker Name:** William Sherman Haynes **Maker Place:** Boston **Maker Date:** 1935 **Materials:** Silver. **Keys Holes System:** Boehm system, closed G#. **Physical Description:** 2 sections, conical. **Measurement:** 31.4 cm. **Notes:** DCM ledger: "Made especially for this Collection." **Provenance:** William S. Haynes, Boston, 31 Jan. 1936. Digital image available
1281	**Instrument Type:** Flute in F **Maker Name:** Christopher Gerock **Maker Place:** London **Maker Date:** 1804-1837 **Materials:** Boxwood, ivory cap and ferrules, brass key. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 47.15 cm. **Notes:** DCM: "'Dainty' instrument of simple type." Cited by DCM as a flute in E, this band flute is more likely in F and possibly sold originally as a flute in G. See "Flute Misnomers." **Condition:** Foot joint socket cracked in several places and missing about 60% of its circumference. DCM described its ivory ferrule as cracked although the present ferrule is a fairly clumsy replacement, also made of ivory. **Provenance:** Mrs. Marion Holt, Lexington, Massachusetts, 10 Mar. 1936. Digital image available

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1282	**Instrument Type:** Flute in C **Maker Name:** Pond & Co. **Maker Place:** Albany **Maker Date:** a1825-1832 **Materials:** Maple(?), brass key, brass ferrules, and nickel-plated brass ferrule. See Condition. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.1 cm. **Condition:** Head joint cracked from upper end to embouchure and cracked at socket in 2 places resulting in an entire wedge of wood separating from the main body. It was repaired at some unknown time by regluing the separated piece and then by hand-carving away material to be replaced with a brass ferrule which has been nickel plated. Embouchure hole has been crudely enlarged. Foot joint cracked at socket, and has a similar metal ferrule repair. **Provenance:** Mrs. Emily R. Plummer, Point Loma, California, 11 Mar. 1936. Formerly owned by William Garretson, 1801-1872. Digital image available
1283	**Instrument Type:** Flute in C **Maker Name:** Proser **Maker Place:** London **Maker Date:** a1777-p1795 **Materials:** Boxwood, brass key, 2 silver ferrules. See Condition. **Keys Holes System:** 1 key, square flat flap, **Physical Description:** 4 sections. **Measurement:** 59.25 cm. (without cap) **Notes:** Inexpensive-grade instrument of the period. **Condition:** A large, nearly full-length crack in head joint, and one in foot joint socket have been addressed with a silver ferrule each, that repair attempt being possibly quite old. DCM ledger: "Wood cap." **Provenance:** Whitlock's Book Store, New Haven, Connecticut, 6 May 1936. Digital image available

Unit Id	*Contents*
1284	**Instrument Type:** Flute in C **Maker Name:** Clinton & Co. **Maker Place:** London **Maker Date:** ca. 1855-1871 **Materials:** Silver. **Keys Holes System:** Cylindrical bore, Clinton's Equisonant system. See DCM 109. **Physical Description:** 3 sections. **Measurement:** 66.4 cm. **Notes:** DCM ledger: "Compare this flute with No. 109; the two are identical in keys and adjustments, even in the shapes of straps, levers, etc., except this has closed G# action carried to the inner side of the tube with the hole on the inner side instead of outer side. No. 109 has a silver 'wart' and socket for thumb crutch. Rings, embouchure plate dimensions are identical…. Mr. William Clinton was an actor using the stage name 'William Herbert.' While playing at the Boston Hollis Street Theater, in the '90s, he called for the flutist in the orchestra, William R. Gibbs. He asked Mr. Gibbs if he had heard of the Clinton Flute. Gibbs replied: 'Yes, it is a household name.' Mr. Herbert revealed himself as the son of John Clinton and as a flute player…. Mr. Clinton gave this flute to Mr. Gibbs. Mr. Clinton died about 1915." **Provenance:** William R. Gibbs, Boston, 5 May 1936. Digital image available
1285	**Instrument Type:** Flute in C **Maker Name:** Dale, Cockerill & Co. **Maker Place:** London **Maker Date:** ca. 1832-1837 **Materials:** Grenadilla, silver keys and ferrules. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs over square metal plates for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.95 cm. **Condition:** Head joint lowest ferrule a replacement. Head joint, both sections, cracked. Upper joint missing G# key, replaced with folk craftsman attempt. Lower tenon broken, missing small portion. Center (middle) joint cracked and missing finger lever, F key block missing portion, upper side. Foot cracked at socket, missing C# and C key finger levers and blocks for same. Also missing C# pewter plug. **Provenance:** Mary N. Warburton, Providence, Rhode Island, 22 May 1936.

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1286	**Instrument Type:** Flute in C **Maker Name:** E. G. Williams **Maker Place:** London **Maker Date:** first half 19c **Materials:** Boxwood, stained dark brown, possibly restained at a later period. **Keys Holes System:** [1 key] **Physical Description:** 4 sections. **Measurement:** 59.25 cm. (without cap) **Condition:** DCM ledger: "In bad order; cap and top ring missing; bottom ring missing; key lugs broken; key missing; both body joints cracked." **Provenance:** David Ussher, Cleveland, Ohio, 26 May 1936. Formerly owned by Robert McMahon, Cleveland, Ohio. Digital image available
1287	**Instrument Type:** Flute **Maker Name:** William Sherman Haynes **Maker Place:** Boston **Maker Date:** 1936 **Materials:** Silver. **Keys Holes System:** 2 keys, foot C and C# with D# touch piece. **Physical Description:** 2 sections, body and foot one are one piece. Cylindrical, with regular flute head joint. **Measurement:** 67.7 cm. **Notes:** DCM ledger: "Designed for lecture demonstrations, on harmonic tones, and complex quality due to overtones…. Only tones: C, C#, D." **Provenance:** William S. Haynes, Boston, 16 June 1936. Digital image available
1288a	**Instrument Type:** Saxette (Vertical Whistle Flute) **Maker Name:** Elver Joseph Fitchhorn **Maker Place:** Delaware, Ohio **Maker Date:** 1929-1936 **Materials:** Nickel-plated brass. **Keys Holes System:** 0/6 holes. Six fingerholes plus vent hole. Fingerholes applied in either unusual or incorrect locations. DCM ledger indicates holes spaced for "special 'scale' [and] Designed for young children, beginning music." **Physical Description:** 1 piece. Sheet metal cylindrical tube, extruded, to which is silver-soldered a spun bell with roll-back bead. Music lyre attached. **Measurement:** 40.1 cm. **Provenance:** E. J. Fitchhorn, of "Saxette Company," Delaware, Ohio, 30 June 1936. Digital image available

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1288b	**Instrument Type:** Saxette (Vertical Whistle Flute) **Maker Name:** Elver Joseph Fitchhorn **Maker Place:** Delaware, Ohio **Maker Date:** ca. 1937 **Materials:** Nickel-plated brass, bakelite mouthpiece. **Keys Holes System:** 0/6 holes. Holes outline a scale as starting with all 6 fingerholes closed. **Physical Description:** 1 piece, cylindrical. See DCM 1288a. The fipple end is modified with a plastic mouthpiece. The Langwill index refers to this instrument or the patent for it as a "Song Flute." Compared to DCM 1288a, holes are drilled in the normal manner. **Measurement:** 37.8 cm. **Notes:** In letter from Fitchhorn to DCM, 26 March 1937, he states: "You will note that this mouthpiece has resonance chamber of fixed capacity located under to [sic] air inlet which not only gives it more of the true flute quality, but permits the octaves to over blow in tune. It has take[n] not a little time and experimental work to get the right capacity and by test you will note that the 'D' (all six holes closed) will octave in very good tune and the same is true with all other tones up to 'B' which only comes in true with the first and last hole closed. I am still keeping the tempered 'G' scale with 'C' natural played by closing the second hole with the second finger. I am told that Saxette is the first end blown flute tuned to play the G scale; all other[s] tuned for the 'D' scale." **Provenance:** E. J. Fitchhorn, of "Saxette Company," Delaware, Ohio, 26 March 1937. Digital image available
1289	**Instrument Type:** Flute in C **Maker Name:** George Rudall **Maker Place:** London **Maker Date:** ca. 1820 **Materials:** Boxwood (DCM ledger: "Satinwood?"), ivory cap with ivory cork-setting mechanism and silver shaft, silver keys and ferrules. Embouchure bushed with ivory. **Keys Holes System:** 7 keys, saltspoon, with pewter plugs over square plates for foot. Pin in block, 4 of 6 mounts lined with silver. Foot to C. Six fingerholes bushed with animal horn. F key roller. Upper C key applied with both a silver saddle and key guide, may have been added near time of manufacture. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.3 cm. **Condition:** Head joint upper section cracked full length and filled. **Provenance:** Objet's d'Art, Brighton, England, 15 July 1936. Digital image available

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1290	**Instrument Type:** Flute in C **Maker Name:** James Wood **Maker Place:** London **Maker Date:** ca. 1799-1832 **Materials:** Boxwood, ivory cap, cork-setting mechanism and ferrules, silver keys. **Keys Holes System:** 5 keys, to low C#, square flat flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 63.2 cm. **Condition:** Upper body joint missing original B-flat key. When received by DCM, the original (?) G# key was in the B-flat key mount and vice versa. However, the B-flat key is from another instrument, and will not actually work properly on this flute. It is stamped underneath WM (likely William Milhouse, a contemporary). Lower body joint missing F key and mount. **Provenance:** William Hayes, London, 12 Aug. 1936. Digital image available
1291	**Instrument Type:** Flute in C **Maker Name:** Norman **Maker Place:** London **Maker Date:** -1790- **Materials:** Boxwood, stained dark, bone cork-setting mechanism (original?) and ferrules, silver keys. **Keys Holes System:** 7 keys, round flaps, foot to C, pin in block. **Physical Description:** 4 sections. **Measurement:** 68 cm. (not original cap) **Condition:** Original cap missing. Lower joint socket ferrule cracked in 4 pieces and held together with string binding (old repair). **Provenance:** William Hayes, London, 12 Aug. 1936. Digital image available
1292a	**Instrument Type:** Tabor Pipe **Maker Name:** Anonymous **Materials:** Boxwood, ivory ferrules. **Keys Holes System:** 1/2 holes. Holes drilled in a manner to favor the right-handed player. **Physical Description:** 3 pieces. A small-dimensioned instrument, cylindrical or nearly cylindrical bore with oval fingerholes. The head and lower joint being the same length (11.8 cm.), and joined together by an unusual short middle section (3.7 cm.) with tenons at each end. **Measurement:** 27.25 cm. **Condition:** Fipple edge slightly cracked. **Provenance:** W. Howard Head, London, 18 August 1936. Digital image available

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1292b	**Instrument Type:** Tabor and 2 Sticks **Maker Name:** Anonymous **Materials:** Oak shell, unidentified wood counterhoops and rims. Drumsticks, of slender, very springy blackwood, with wooden heads, one covered with rawhide. **Physical Description:** Painted red, lashed together with light gut rope. **Measurement:** 27 cm. (outer diameter). **Notes:** Appears to be a professionally made instrument. **Condition:** One head slightly damaged, pierced. Both rims warped. **Provenance:** W. Howard Head, London, 18 August 1936. Digital image available
1293	**Instrument Type:** Flute in C **Maker Name:** H. Faveryear **Maker Place:** London **Maker Date:** ca. 1812 **Materials:** Figured boxwood, ivory cork-setting mechanism and ferrules, silver keys, brass-lined head. **Keys Holes System:** 6 keys, pewter plug over metal-lined holes, foot to C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.3 cm. **Notes:** Instrument may have had several corps de rechange. **Condition:** Head joint, both sections, severely cracked, including both ferrules. Both body joints slightly warped. Foot joint block cracked on both sides of the C and C# keys, nearly all the way through, but not yet detached. **Provenance:** A. Pearl Cross, London, 24 Aug. 1936. Digital image available
1294	**Instrument Type:** Flute in C **Maker Name:** J. Tietjen **Maker Place:** London **Maker Date:** turn of 19c **Materials:** Stained boxwood, brass key. **Keys Holes System:** 1 key, square flat flap. **Physical Description:** 4 sections. **Measurement:** 60.3 cm. **Condition:** Key may be original or from a contemporary instrument, however, it is joined to a replacement finger spatula and fulcrum crudely made of 2 layers of brass soldered and riveted together and containing a modern tempered steel flat spring. **Provenance:** J. Cheetham, Prestatyn, North Wales, 23 Sept. 1936. Digital image available

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1295	**Instrument Type:** Transverse Flute in A-flat (B-flat) **Maker Name:** Walter D. Lanahan **Maker Place:** Laurel, Maryland **Maker Date:** ca. 1935-1947 **Materials:** Nickel plate over brass. **Keys Holes System:** 0/6 holes. **Physical Description:** Cylindrical tube, with lateral mouthpiece attached (soldered into position), directing the airstream at a straight edge. See DCM 1474, 1551. **Measurement:** 35.55 cm. **Notes:** DCM ledger: "A simple instrument designed for players in juvenile bands and orchestras." **Provenance:** Walter D. Lanahan, Laurel, Maryland, 3 Oct. 1936. Digital image available
1296	**Instrument Type:** Flute in C **Maker Name:** Piering **Maker Place:** Berlin **Maker Date:** 1808-ca. 1848/50 **Materials:** Boxwood, ivory cap, cork-setting mechanism, and ferrules, brass keys. **Keys Holes System:** 6 keys, square flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 61.7 cm. **Provenance:** Mrs. Edward W. Habermaas, Cincinnati, Ohio, 30 Oct. 1936. Digital image available
1297	**Instrument Type:** Ohe Hano Ihu (Nose Flute) **Maker Name:** Anonymous **Maker Place:** Hawaiian Islands **Maker Date:** ca. 1936 **Materials:** Bamboo. **Keys Holes System:** 0/2 holes. **Measurement:** 28.75 cm. **Condition:** Crack at lower end. **Provenance:** Marideen Visscher, Cleveland, Ohio, 14 Nov. 1936. Digital image available
1298	**Instrument Type:** End-Blown Flute (Reed Pipe?) **Maker Name:** Anonymous **Maker Place:** Romania? **Materials:** Wood, (type identifed in DCM ledger as: "Bzynā"). **Keys Holes System:** 0/6 holes. **Physical Description:** 1 piece. **Measurement:** 32.4 cm. **Provenance:** G. Meriggioli, Seattle, Washington, 1 Dec. 1936. Formerly owned by W. Nezdropa, Vancouver, B.C. Digital image available

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1299	**Instrument Type:** End-Blown Flute (Reed Pipe?) **Maker Name:** Anonymous **Maker Place:** Romania? **Materials:** Wood. **Keys Holes System:** 0/6 holes. **Physical Description:** 1 piece. **Measurement:** 69.3 cm. **Provenance:** G. Meriggioli, Seattle, Washington, 1 Dec. 1936. Digital image available
1300	**Instrument Type:** Flute in C **Maker Name:** Peter Joseph Tonger **Maker Place:** Cologne **Maker Date:** p1889 **Materials:** Boxwood, darkly stained, with brass head joint, thumb rest, ferrules, and keys. **Keys Holes System:** 6 keys, saltspoon, post and rod. **Physical Description:** 4 sections, with Wünnenberg patent head for vertical holding (British Patent No. 11, 171, 1889). **Measurement:** 49.1 cm. **Notes:** The head joint tubing is brass with a U-bend followed by a right angle turn leading to the upper joint. The head has a boxwood embouchure barrel and very rectangular embouchure hole. The body is in 2 sections. **Provenance:** Franklin L. Tavenier, Cleveland, Ohio, 21 Dec. 1936. Digital image available
1301	**Instrument Type:** Whistles **Maker Name:** Anonymous, North American Indian (Chippewa) **Materials:** Birch. **Physical Description:** Whistle at both ends, no fingerholes. DCM ledger: "The whistle ends are both plugs with tenons. On the back side of the main body is one hole which has been plugged and 'finished' on the surface as though originally there." Decorated with bird and native figure, lightly carved. **Measurement:** 48.3 cm. **Notes:** DCM ledger: "American Indian, Chippewa." **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 5 Jan. 1937. Digital image available

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1302	**Instrument Type:** English Flageolet **Maker Name:** Wright **Maker Place:** London **Maker Date:** 19c **Materials:** Boxwood, brass key, ivory ferrules and finger studs. **Keys Holes System:** 1/7 holes, octagonal flat flap, pin in block. Upper front hole plugged for half-hole vent. **Physical Description:** 2 sections, upper section consists of fipple joint, mouthpiece (missing), and 1-piece sponge chamber. **Measurement:** 37.5 cm. **Condition:** Mouthpiece and 4 ivory finger studs missing. **Provenance:** William Powell, Birmingham, England, 25 Jan. 1937. Digital image available
1303	**Instrument Type:** Flute in C **Maker Name:** Henderson N. White **Maker Place:** Cleveland **Maker Date:** 1936 **Materials:** Silver-plated. **Keys Holes System:** Boehm system, closed G#. **Physical Description:** 3 sections. **Measurement:** 67.3 cm. **Provenance:** H. N. White Co., Cleveland, Ohio, 1 Mar. 1937. Digital image available
1304	**Instrument Type:** Flute in C **Maker Name:** Allen R. Jollie **Maker Place:** New York **Maker Date:** ca. 1837 **Materials:** Ivory, silver keys, ferrules, and socket linings. DCM ledger: "Pearl cap." **Keys Holes System:** 9 keys, saltspoon, with pewter plugs over square metal plates for C#, C, B. Foot to B. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 69.4 cm (without cap) **Condition:** Head joint, both sections, cracked and filled. Head joint cap missing. Foot joint socket cracked. **Provenance:** W. Howard Head, London, 1 Mar. 1937. Digital image available
1305	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** DCM ledger: "Staffordshire pottery, light-brownish color." **Keys Holes System:** 0/1 hole. **Measurement:** 11.4 cm. (height) **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 3 Apr. 1937. Digital image available

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1306	**Instrument Type:** Flute in C **Maker Name:** Richard Weekes **Maker Place:** Plymouth, England **Maker Date:** -1844- **Materials:** Rosewood(?), wide nickel silver ferrule at embouchure, nickel silver keys. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs over square metal plates for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.2 cm. **Case:** DCM ledger: "Special case. Mahogany veneer…. Old style...shape is that of a prism with square ends." **Condition:** Head joint, both sections, cracked. Upper joint upper C key missing one side of guide block. The pivot block is a separately attached structure, possibly a replacement, currently detached and one side chipped away. Middle joint cracked at socket, previously cross-pinned. One side long F key guide block replaced with separate portion, now missing. **Provenance:** N. Gabriel, New York, 3 Apr. 1937.
1307	**Instrument Type:** Flute in C **Maker Name:** Christiani **Maker Place:** Amsterdam **Maker Date:** 1786-a1858 **Materials:** Boxwood, ivory cap and ferrules, nickel silver keys. **Keys Holes System:** 4 keys, saltspoon. Pin in block, blind pin design in which the pin does not fully perforate both lobes of the block except for the F key block. Blind pin design is unwise although this instrument is very well made. G# key, although it is on lower body joint, is situated fairly low, near fingerhole 4. **Physical Description:** 4 sections, tuning slide in metal-lined head. **Measurement:** 60.4 cm. **Notes:** DCM ledger: "In perfect condition, not used. In original paper box." **Condition:** Head joint severely cracked, both sections, including middle ferrule, repaired with a filling compound. **Provenance:** Max Pinette, Brussels, 2 July 1937. Digital image available
1308	**Instrument Type:** Flute in C **Maker Name:** Bacon & Weygandt **Maker Place:** Philadelphia **Maker Date:** -1833- **Materials:** Cocus, silver keys and ferrules. **Keys Holes System:** 8 keys, saltspoon, pewter plugs for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in metal-lined head. **Measurement:** 67.3 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** Herman C. Rakemann, Washington, D.C., 5 July 1937. Digital image available

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1309	**Instrument Type:** Flute in C **Maker Name:** G. (?Gottfried) Schuster **Maker Place:** Neukirchen **Maker Date:** early 19c **Materials:** Boxwood, ivory cap and ferrules, brass keys. **Keys Holes System:** 8 keys, round flap, pin in block. Rollers for C#, C. **Physical Description:** 4 sections, tuning slide in metal-lined head. **Measurement:** 66.4 cm. **Condition:** Head joint, both sections and both ferrules, cracked. Long F key spring broken off. **Provenance:** Hugh Mellor, London, 16 July 1937. Digital image available
1310	**Instrument Type:** Flute in C **Maker Name:** Louis Drouet **Maker Place:** London **Maker Date:** 1818-p1819 **Materials:** Ivory, covered with varnish, ivory cap with silver stud, silver ferrules (embossed), silver-lined blocks. **Keys Holes System:** 8 keys, saltspoon. Pin in block except for C#, C finger lever mount (silver). Silver-lined blocks with reverse upward-pressure dual springs. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.5 cm. **Notes:** Plaque on barrel: "No Flute is genuine that / is not bought at Mr L Drouet's / Manufactory (surrounded by a wreath of engraved leaves) / No 358, Oxford St London / & Accompanied by a certificate / under his hand." **Condition:** Head joint, both sections, cracked. G# key missing (was missing when obtained by DCM). **Provenance:** Puttick & Simpson, London, 21 July 1937. Digital image available
1311	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1811 **Materials:** Glass, frosted inside, fluted exterior except at the fingerholes and keywork. **Keys Holes System:** 6 keys, round flat flaps, foot joint to D and C. Upper C, B-flat and short F key post and rod attached to oval flange bolted to body of instrument. Long F key, low C and C# key levers mounted in bassoon-like (parallel vertical metal plates) metal saddle, applied to body of instrument with 2 bolts. G# and D keys have post and rod affixed to similar oval flanges but soft-soldered to their respective silver ferrules. D#, low C# and C pad flaps are articulated with a pivot screw arrangment to ensure proper alignment with pad seat. See DCM 850. **Physical Description:** 4 sections, with extra foot joint. **Measurement:** 61.7 cm. (D foot), 67.4 cm. (C foot) **Case:** Long square mahogany case lined with green velvet. **Provenance:** Rudall, Carte & Co., London, 7 Aug. 1937. Digital image available

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1312	**Instrument Type:** Piccolo in C **Maker Name:** Rudall Rose Carte & Co. **Maker Place:** London **Maker Date:** 1854-1871 **Materials:** Cocus, silver keys and ferrules, metal-lined head. **Keys Holes System:** Simple system as follows: this is essentially a 6-keyed instrument with a revised principal rank key and finger ring arrangement situated on 3 post and rod groupings, 2 of which are for the LH. Finger 1 operates a C# hole position quite high on the tube with a ring key that closes a vent key below finger 2 at the approximate position of the tonehole. In between principal rank toneholes 1 and 2 there was a tonehole at approximately the C hole location. It has been plugged either due to an error in drilling or it may have been closed by another vent key, the rod showing a solder stain where it may be been attached. Finger 2 operates a key for the B-natural hole which is placed high on the tube. Finger 3 operates the usual tonehole (for G) which has a ring key closing the same vent hole mentioned above. Fingerhole 4 operates a key plate for F# which then sounds from the next 3 rather than 2 principal rank toneholes standing open, thereby bringing up the pitch of the traditionally flat first finger F#. Finger 5 then closes with a key plate the next 2 toneholes plus a finger ring around tonehole 6 which makes possible a forked F. **Physical Description:** 2 sections. **Measurement:** 31.5 cm. **Notes:** Body tenon functions as a short tuning slide arrangement. **Condition:** Head joint crack at socket. **Provenance:** H. V. Scott, London, 13 Aug. 1937. Digital image available
1313	**Instrument Type:** Flute in C **Maker Name:** Monzani **Maker Place:** London **Maker Date:** ca. 1835-1936 **Materials:** Cocus, silver keys and ferrules. Horn bushing within a secondary bushing one bone (?), possibly not original, at embouchure. **Keys Holes System:** 12 keys, to B-flat, round flat flaps, with pewter plugs for C# to low B-flat. Pin in block, all foot joint key blocks are pre-cross pinned with brass. E-flat key block lined with silver shims, likely not original. High D trill. **Physical Description:** 4 sections, tuning slide in head, conical. **Measurement:** 74.7 cm. **Condition:** Head joint, both sections, cracked. Foot joint cracked at E-flat key pin block which has received a not-original silver lining in the key slot. The C# key touch piece has soldered to it a silver sheet metal lug shaped like the letter "L" in cross section, the lower leg of which nearly meets the level of a surface intentionally carved from the top of the E-flat key block, purpose unknown. **Provenance:** H. V. Scott, London, 18 Aug. 1937.

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1314	**Instrument Type:** Flute in E-flat **Maker Name:** Metzler **Maker Place:** London **Maker Date:** turn of 18c **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 50.6 cm. **Condition:** Lower body joint slightly warped. **Provenance:** H. V. Scott, London, 18 Aug. 1937. Digital image available
1315	**Instrument Type:** Fife in C or D-flat **Maker Name:** H. Meunier & Cie **Maker Place:** Paris **Maker Date:** ca. 1930 **Materials:** Cocus(?), with dark stain and finish, nickel silver key and ferrules. **Keys Holes System:** 1/6 holes plus 1 key (D#), plus 3 vent holes. **Physical Description:** 1 section. **Measurement:** 35.55 cm. **Notes:** Although this instrument has a key which would imply its being a flute, so-called, it is probably best to term it a fife based on the catalog information cited above. See "Fife vs. Band Flute." An 1890 catalog from Martin Thibouville aîné pictures what is essentially the same instrument as a "Fifre (…pour bataillon scolaire)." **Provenance:** Au Diapason, Paris, 31 Aug. 1937. Digital image available
1316	**Instrument Type:** Vertical Whistle Flute **Maker Name:** L'Instrument de Musique pour Tous **Maker Place:** Paris **Maker Date:** 20c **Materials:** Metal, with plastic fipple section. **Keys Holes System:** 0/6 holes. **Physical Description:** This instrument utilizes a knurled threaded ring just beneath the mouthpiece as a tuning device. **Measurement:** 31.85 cm. **Provenance:** Pierre Schneider, Paris, 31 Aug. 1937. Digital image available

Unit Id	*Contents*
1317	**Instrument Type:** Soprano Recorder in C **Maker Name:** R. L. & Co. **Maker Place:** France **Maker Date:** 20c **Materials:** Cocus, nickel silver ferrule. **Keys Holes System:** 1/7 holes. German fingering. **Physical Description:** 2 sections. **Measurement:** 32.7 cm. **Notes:** Modern German make. **Provenance:** Pierre Schneider, Paris, 31 Aug. 1937. Digital image available
1318	**Instrument Type:** Flute in C **Maker Name:** Wafford **Maker Place:** London **Maker Date:** turn of the 19c **Materials:** Boxwood, ivory cap and ferrules, silver keys. **Keys Holes System:** 4 keys, square flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.1 cm. **Condition:** Head cracked. Ferrule cracked and chipped. **Provenance:** F. Taylor, London, 10 Sept. 1937. Digital image available
1319	**Instrument Type:** Flute in C **Maker Name:** D'Almaine & Co. **Maker Place:** London **Maker Date:** 1834-1858 **Materials:** Cocus, nickel silver bushing inset at embouchure hole, nickel silver ferrules. Metal-lined head. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs over round plates for C#, C. Pin in block. Relatively large toneholes, not quite Nicholson. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.1 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** Mrs. H. H. Turner, Oxford, England, 15 Sept. 1937.

Unit Id	*Contents*
1320	**Instrument Type:** Flute in A-flat (B-flat) **Maker Name:** Anonymous **Maker Place:** London **Maker Date:** 19c **Materials:** Cocus, nickel silver key and ferrules. **Keys Holes System:** 1 key, saltspoon, pin in block. **Physical Description:** 2 sections, conical. **Measurement:** 37.7 cm. (without cap). When obtained by DCM, measured at 375 mm. **Notes:** This band flute may have been sold as a Fife in B-flat. See "Fife vs. Band Flute." **Condition:** Missing original cap. Head joint, crack in socket. **Provenance:** Mrs. H. H. Turner, Oxford, England, 15 Sept. 1937. Digital image available
1321	**Instrument Type:** Tenor Recorder in C **Maker Name:** Carlo Palanca **Maker Place:** Torino **Maker Date:** 1719-1783 **Materials:** Boxwood, stained. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 61.1 cm. **Notes:** See DCM 834. **Condition:** Beak slightly chipped. Foot joint cracked at both ends. Upper end poorly repaired with brass ferrule, partially set in approximately 1 mm. **Provenance:** Alec Hodsdon, Lavenham, Surrey, England, 15 Sept. 1937. Digital image available
1322	**Instrument Type:** Whistle **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Terracotta, reddish brown color. **Physical Description:** Figure of girl, standing. **Measurement:** 5.8 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 30 Sept. 1937. Digital image available
1323	**Instrument Type:** Whistle **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** White china, with red, blue, and black markings. **Physical Description:** Chinese boy, with head raised upward. Plays through feet. **Measurement:** 7 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 16 Nov. 1937. Digital image available

Unit Id	*Contents*
1324	**Instrument Type:** Whistle (Cup with Whistle attached) **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** White china. **Physical Description:** Mug, decorated with scene and verse from "The Babes in the Wood." Bird perched on handle. **Measurement:** 8.1 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 7 Oct. 1937. Digital image available
1325	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** 19c? **Materials:** Boxwood, ivory cap and ferrules, silver key. **Keys Holes System:** 1 key, square (trapezoid)-like flap. The finger spatula is highly ornate, taking the form of a pineapple top. **Physical Description:** 4 sections. **Measurement:** 63.1 cm. **Condition:** Cap and bottom ferrule chipped. **Provenance:** Antiqua, Amsterdam, 13 Oct. 1937. Digital image available
1326	**Instrument Type:** Fife in B-flat (Fife in C) **Maker Name:** Anonymous, English or American **Maker Date:** 19c **Materials:** Unidentified wood, dark stain with dark pigment varnish, brass end ferrules. **Keys Holes System:** 0/6 holes. **Measurement:** 36.9 cm. **Provenance:** R. S. Burington, Cleveland, Ohio, 16 Oct. 1937. DCM ledger: "This fife was given, in 1915, to Professor Burington by an old man, in Columbus, Ohio. This man himself played the fife in the Civil War. The owner was so attached to the fife that he broke down with tears on parting with it." Digital image available
1327	**Instrument Type:** Whistle or Container Bottle **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** China, black and white, with green and red paint, glazed. **Physical Description:** Glazed China cat's head, with chimney-like element at crown. Cork fragments within suggest this was a container for a substance, although it may be a whistle if blown across the aperture. **Measurement:** 6.1 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 4 Nov. 1937. Digital image available

Unit Id	*Contents*
1328	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Lora Rose **Maker Place:** Cleveland **Maker Date:** ca. 1937 **Materials:** Bamboo, clear varnish, with cork block. **Keys Holes System:** 1/6 holes. **Measurement:** 23.85 cm. **Condition:** Cracked through toneholes. **Provenance:** Lora Rose, Cleveland, Ohio, 7 Nov. 1937. Digital image available
1329	**Instrument Type:** Whistle **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Earthenware, dark brown, glazed. **Physical Description:** Squirrel shape, cracking a nut. Mouthpiece at bottom of ears. **Measurement:** 8.9 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 16 Nov. 1937. Digital image available
1330	**Instrument Type:** Whistle **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Unglazed earthenware, whistle with brown stain, red and green. **Physical Description:** Monkey, with whistle incorporated in monkey's cap. **Measurement:** 9.0 cm. **Condition:** Hat broken on both sides. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 16 Nov. 1937. Digital image available
1331	**Instrument Type:** Whistle **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** White, unglazed Parian porcelain. **Physical Description:** Swan, with whistle in tail. **Measurement:** 5.3 x 3.3 x 4.3 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 16 Nov. 1937. Digital image available

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1332	**Instrument Type:** Flute in C **Maker Name:** Benjamin & Munger **Maker Place:** New Haven, Connecticut **Maker Date:** ca. 1840-1843 **Materials:** Rosewood, ivory head, silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.9 cm. (without cap). **Condition:** DCM ledger: "Cap and ferrules missing." Head joint, both sections, cracked. **Provenance:** Boston Antique Shop, Boston, 29 Nov. 1937.
1333	**Instrument Type:** Flute in C **Maker Name:** Rampone **Maker Place:** Milan **Maker Date:** ca. 1850-1912 **Materials:** Unidentified hard wood, nickel silver keys and ferrules. **Keys Holes System:** 12 keys, foot to B, modern style key cups, with pewter plugs over metal-lined holes for low C to B. Post and rod. **Physical Description:** 3 sections, tuning slide in head. No separate foot joint. **Measurement:** 71.2 cm. **Provenance:** G. Meriggioli, Milan, 4 Dec. 1937. Digital image available
1334	**Instrument Type:** Flute in C **Maker Name:** Pietro De Azzi **Maker Place:** Padua **Maker Date:** 19c **Materials:** Grenadilla, silver keys and ferrules. **Keys Holes System:** 15 keys (including left thumb D#), foot to B-flat. Round flap, with pewter plug in metal-lined toneholes for low C# to B-flat. Pre-cross pinned near the blocks for B-flat, B, low C, C#. All 6 principal fingerholes with metal bushings. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 75.1 cm. **Condition:** Head joint, both sections, cracked and filled. Part of F key broken, small crack in lower body. **Provenance:** G. Meriggioli, Milan, 4 Dec. 1937.
1335	**Instrument Type:** Flute in C **Maker Name:** Brizzi & Nicolai (dealers); made by Emilio Piana **Maker Place:** Florence; Florence **Maker Date:** 1850-1914; -1899- **Materials:** Ebonite, nickel silver keys and ferrules. **Keys Holes System:** Briccialdi system of keys, to low B. Old system, with added feature for forked F and left little finger alternate D#. First finger LH key is open-holed. See DCM 778. **Physical Description:** 2 sections, cylindrical. See DCM 1336. **Measurement:** 70.9 cm. **Provenance:** G. Meriggioli, Milan, 4 Dec. 1937. Digital image available

Unit Id	*Contents*
1336	**Instrument Type:** Piccolo in C **Maker Name:** Brizzi & Nicolai (dealers); made by Emilio Piana **Maker Place:** Florence; Florence **Maker Date:** 1850-1914; -1899- **Materials:** Ebonite, silver keys and ferrules. **Keys Holes System:** 7 keys (5 standing closed plus 2 finger ring units) as follows: The G# / short F / D# keys are modern post and rod each mounted on a rib, the B-flat key is the same, except mounted on an oval flange. The upper C key is mounted in a metal saddle. Finger 1 operates a perforated key closing the C# hole and finger 2 operates a ring key which also closes the finger 1 hole as an alternate C, both mounted on a rib. Fingers 5 and 6 have a similar rib mounted pair of ring keys which close an F# vent hole similar to the B-F# vent on simple system clarinets. **Physical Description:** 2 sections. Mate to DCM 1335. **Measurement:** 32.7 cm. **Provenance:** G. Meriggioli, Milan, 4 Dec. 1937. Digital image available
1337	**Instrument Type:** English Flageolet in C **Maker Name:** Anonymous **Maker Date:** first half 19c **Materials:** Boxwood, dark stain, ivory mouthpiece and finger studs. Nickel silver key. Body section socket ferrule of brass, possibly not original. **Keys Holes System:** 0/7 holes, with 1 key (D#), round flat flap. Pin in block. **Physical Description:** 2 sections, upper section with fipple and one-piece wind cap/sponge chamber. **Measurement:** 39.8 cm. **Provenance:** Wendell P. Tarbell, Milford, New Hampshire, 7 Jan. 1938. Digital image available
1338	**Instrument Type:** Flute in A-flat (B-flat) **Maker Name:** Metzler **Maker Place:** London **Maker Date:** 19c **Materials:** Boxwood, ivory cap and ferrules, brass key. **Keys Holes System:** 1 key, square flap, foot to D. Pin in block. **Physical Description:** 3 sections. This is the standard band flute in A-flat which was frequently marked or sold as a flute in B-flat. See "Flute Misnomers." **Measurement:** 38.6 cm. **Condition:** Head slightly warped near socket. **Provenance:** W. Howard Head, London, 8 Jan. 1938. Digital image available

Unit Id	*Contents*
1339	**Instrument Type:** Tabor Pipe **Maker Name:** Potter **Maker Place:** London **Maker Date:** 18c **Materials:** Ivory. **Keys Holes System:** 1/2 holes. **Physical Description:** Standard 2-piece tabor pipe. **Measurement:** 31.35 cm. **Provenance:** W. Howard Head, London, 8 Jan. 1938. Digital image available
1340	**Instrument Type:** Flute Mouthpiece **Maker Name:** William Wheatstone **Maker Place:** London **Maker Date:** 1816-1821 **Materials:** Silver-plated copper, with ivory or bone. **Physical Description:** See DCM 1043b, and 1043a for description. **Measurement:** 5.2 cm. **Notes:** Letter, from W. Howard Head to DCM, 1 Nov. 1937: "This outfit I purchased from Madam Giulia Pelzer, guitariste, aged 99. She is a sister of the late Madame Pratten…wife of Pratten the…flautist. He it was who owned this mouthpiece, case, and printed notice." **Case:** With case, possibly original. DCM ledger: "In original cylindrical paper box with original card announcing the 'Newly-Invented Embouchre.' Reverse side of card describes 'Improved Flutes.'" **Provenance:** W. Howard Head, London, 8 Jan. 1938. Digital image available
1341	**Instrument Type:** Flute in C **Maker Name:** Chabrier Peloubet **Maker Place:** New York and Bloomfield **Maker Date:** 1829-1836; 1836-ca. 1881 **Materials:** Boxwood, ivory cap, cork-setting mechanism and ferrules, silver keys. Metal-lined head joint. **Keys Holes System:** 4 keys, round flat flap, pin in wood. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 60.1 cm. **Notes:** Mark on foot; C. PELOUBET / NEW-YORK / FACTORY AT / BLOOMFIELD **Condition:** Head joint, upper section, cracked. Foot joint bottom ferrule cracked. **Provenance:** Sadie Sharron, Pittsfield, Massachusetts, 31 Jan. 1938. Digital image available

Unit Id	*Contents*
1342	**Instrument Type:** Albisiphon in F **Maker Name:** Abelardo Albisi **Maker Place:** Milan **Maker Date:** 1910-? **Materials:** Silver plate over brass. **Keys Holes System:** Boehm system, closed G#, foot to B (sounding E below middle C). Post and rod. **Physical Description:** 3 sections. **Measurement:** 81.5 cm. (bore 29.6 cm.) **Notes:** Head joint in "T" configuration for vertical playing position and incorporating one coil to shorten overall length of instrument. See correspondence, 13 Nov. 1937, with G. Meriggioli. **Case:** Original case, lined with plush blue fabric. **Provenance:** G. Meriggioli, Milan, 14 Feb. 1938. Formerly in the collection of Abelardo Albisi, Milan. Digital image available
1343	**Instrument Type:** Flute in E-flat **Maker Name:** Johann Wilhelm Oberlender II **Maker Place:** Nürnberg **Maker Date:** 1735-1779 **Materials:** Ivory, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 53 cm. **Notes:** DCM ledger: "The foot-joint is certainly not part of the Oberlender flute. The head-joint is doubtful; it seems to be too large diameter and too long….However the ivory of head seems to match that of the body." **Condition:** Brass key (and present spring) likely not original. **Provenance:** W. Howard Head, London, 16 Feb. 1938. Digital image available
1344	**Instrument Type:** Flute in F **Maker Name:** Abelardo Albisi **Maker Place:** Milan **Maker Date:** 1910-? **Materials:** Silver plate over nickel silver. **Keys Holes System:** Boehm system, closed G# (C#), foot to low B (E) for left little finger. Post and rod. Low B (E) key also functions for LH C# and for C#/D# (G#/F#) trill. **Physical Description:** 2 sections, cylindrical. Body and foot are one piece. **Measurement:** 54.3 cm. **Provenance:** G. Meriggioli, Milan, 3 Mar. 1938. Formerly in the collection of Abelardo Albisi, Milan. Digital image available

Unit Id	*Contents*
1345	**Instrument Type:** Flute in G ("usignuolo") (See Notes.) **Maker Name:** Abelardo Albisi **Maker Place:** Milan **Maker Date:** 1910-? **Materials:** Silver plate over nickel silver. **Keys Holes System:** Boehm system, closed G#, foot to G. Post and rod. **Physical Description:** 2 sections, cylindrical. Body and foot are one piece. **Measurement:** 45.9 cm. **Notes:** According to correspondence from Meriggioli to DCM dated 13 Nov. 1937, "This flute was expressly built by Mr. Albisi for his opera, 'La Parisina' (Milan, 15 Dec. 1913). Mascagni calls this instrument a 'flauto usignuolo' [the nightingale]. In this opera this flute has a special part written for it and represents a nightingale. In the score of this opera Mascagni used also the Tenor flute in F (DCM 1342) and the Baritone (Bass) flute in C (DCM 232.)" DCM also received the music from " La Parisina." **Provenance:** G. Meriggioli, Milan, 3 Mar. 1938. Formerly in the collection of Abelardo Albisi, Milan. Digital image available
1346	**Instrument Type:** Half Flute in C **Maker Name:** Abelardo Albisi **Maker Place:** Milan **Maker Date:** 1910-? **Materials:** Silver plate, with wooden handle for holding the flute with the right hand. **Keys Holes System:** Boehm system. **Physical Description:** DCM ledger: "This special instrument consists of that part of a regular flute played by the left-hand only." Apparently a demonstration device for proper control of high harmonics, being capable of playing a chromatic scale from its lowest pitch, G. **Measurement:** 45.9 cm. **Notes:** DCM ledger: "Half-Flute…. Prof. Albisi wrote music especially for this flute, to be played with left hand only…. On under side of flute at mid-length is a socket for a handle, for right hand, for holding flute to embouchure." The handle, which may partly have been for RH usage, is missing an element at the bottom, implying that it may have had a table stand or other fixed device underneath. **Condition:** See Notes. **Provenance:** G. Meriggioli, Milan, 3 Mar. 1938. Formerly in the collection of Abelardo Albisi, Milan. Digital image available

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1347	**Instrument Type:** Flute in C **Maker Name:** I. Ziegler **Maker Place:** Vienna **Maker Date:** 1821-1850/51 **Materials:** Boxwood, ivory cap and ferrules, brass keys. **Keys Holes System:** 17 keys, to low G. All keys pewter plugs over brass-lined holes. Pin in brass-lined blocks. Low G, A-flat, and alternate D# key for left thumb. **Physical Description:** 3 sections, tuning slide in head. No separate foot joint. **Measurement:** 48 cm. **Condition:** B-flat key missing; plug assembly for high D trill a replacement. DCM ledger: "… plug for high E missing." **Provenance:** G. Meriggioli, Milan, 3 Mar. 1938. Formerly in the collection of Abelardo Albisi, Milan.
1348	**Instrument Type:** Flute in C **Maker Name:** Maker not identified, possibly Germanic **Materials:** Ebony, ivory cap and ferrules, silver keys. **Keys Holes System:** 4 keys, square flat flaps, silver key saddles. **Physical Description:** 4 sections. Had at least 3 corps de rechange. **Measurement:** 60.5 cm. **Condition:** Crack in head. F key finger spatula broken off and missing, B-flat key missing. **Provenance:** G. Meriggioli, Milan, 3 Mar. 1938. Purchased by Meriggioli in Schaffhausen, Switzerland, June 1937. Digital image available
1349	**Instrument Type:** Fife in A-flat (B-flat) **Maker Name:** Walter Crosby **Maker Place:** Boston **Maker Date:** 1830-1872 **Materials:** Rosewood(?), silver end ferrules. **Keys Holes System:** 0/6 holes. **Measurement:** 44.15 cm. **Notes:** In addition to the expected tapered end ferrules, there are 6 more silver ferrules, approximately 5.5 millimeters wide, which were applied to prevent or reduce cracking and they are also positioned in a manner helping to define tonehole placement. **Provenance:** Florence M. Prest, Detroit, Michigan, 7 Mar. 1938. Digital image available

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1350	**Instrument Type:** Flute in C **Maker Name:** Goodlad **Maker Place:** London **Maker Date:** 1826-1838 **Materials:** Boxwood, ivory cork-setting mechanism and ferrules, silver keys. **Keys Holes System:** 7 keys, saltspoon, pewter plugs for C# and C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.8 cm. **Notes:** Foot: PATENT / (lyre) / GOODLAND / 25 VILLIERS ST. / LONDON. Head joint lower ferrule, lower body and foot ferrules: 2169. Keys hallmarked, "IDG". **Condition:** C key missing. Slightly enlarged fingerholes similar to Nicholson. Toneholes for low C# and C keys were likely metal-lined (plug seats), now missing. **Provenance:** William Powell, Cardiff, Wales, 1 Apr. 1938. Digital image available
1351	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Anonymous **Maker Date:** 18c **Materials:** Ivory. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections, plus foot joint constructed in 2 parts joined with machine threads. **Measurement:** 50.5 cm. **Condition:** Two surface cracks in head joint. Random chips missing from decorative turning. **Provenance:** W. Howard Head, London, 5 May 1938. Digital image available
1352	**Instrument Type:** Flute in C **Maker Name:** Johannes Josef Rödel, junior **Maker Place:** Bremen **Maker Date:** 1832-1840 **Materials:** Boxwood, ivory cap and ferrules, brass keys. **Keys Holes System:** 10 keys, saltspoon, foot to B. Pin in block. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 70.4 cm. **Condition:** Low C roller missing. **Provenance:** John W. Sheriff, Glen Cove, New York, 21 May 1938. Digital image available

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1353	**Instrument Type:** Flute in C **Maker Name:** C. G. Conn **Maker Place:** Elkhart **Maker Date:** 1896 **Materials:** Brass (possibly nickel silver), ebonite head with silver lip plate, gold-plated head joint tips, key cups and rods silver and gold-plated. DCM ledger: "Ebonite knob left knuckle-joint." See Notes. **Keys Holes System:** Boehm system, closed G#. **Physical Description:** 3 sections. **Measurement:** 66.3 cm. **Notes:** Head joint ebonite or similar hard rubber composition over metal tube, with engraved silver lip plate adhered to surface. Tubing silver-plated with gold-plated keys, head joint cap, and decorative ferrules. **Case:** DCM ledger: "Case (bad condition)….Case has name J. L. Blair on aluminum plate." **Condition:** Crutch missing. **Provenance:** A. J. Blencoe, Geneva, Illinois, 7 June 1938. Digital image available
1354	**Instrument Type:** Flute in C **Maker Name:** Gebrüder Mönnig **Maker Place:** Markneukirchen **Maker Date:** 1937 **Materials:** Plexiglas, chromium-plated fittings. **Keys Holes System:** Boehm system, closed G#. Roller for D#, C#, C. **Physical Description:** 2 sections, foot and body are one piece. **Measurement:** 67.3 cm. **Notes:** Wing-tip embouchure. The head joint cork is a plexiglas plug cemented in place, with plexiglas cover for joints. DCM ledger: "I saw Gebrüder Mönnig's Exhibit of Musical Instruments in Paris Exhibition 1937 including 'Plexiglas' Flute, Oboe, Clarinet and Bassoon. Baxter [from whom DCM obtained the flute] reports: They made only two flutes, this one and the one exhibited at Paris. Received 'Grand International Prize' for Exhibit. Now half of bassoons they make for German artists are of plexiglas." This is an excellent playing instrument. **Provenance:** Baxter-Northup Co., Los Angeles, 17 June 1938. Digital image available
1355	**Instrument Type:** Flute in C **Maker Name:** Johann Friedrich Boie **Maker Place:** Göttingen **Maker Date:** 1789-1809 **Materials:** Ebony, ivory cap, cork-setting mechanism and ferrules, silver keys. **Keys Holes System:** 4 keys, square flat flaps, pin in block. **Physical Description:** 4 sections, with 3 corps de rechange. **Measurement:** 60.8 cm., 61.6 cm., 62.6 cm. **Condition:** Crack in lower body joint socket. **Provenance:** Herbert G. Laatz, Forest Park, Illinois, 27 June 1938. Digital image available

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1356	**Instrument Type:** Flute in C **Maker Name:** Whitaker & Co. **Maker Place:** London **Maker Date:** 1820 **Materials:** Boxwood, brass keys and ferrules. **Keys Holes System:** 4 keys, square flaps, pin in block. **Physical Description:** 4 sections. **Measurement:** 59.45 cm. (without cap) **Condition:** Head joint cap, missing, was likely boxwood. Upper body joint cracked at upper end in 2 places (but the socket into which it fits is not). E-flat and F key springs missing. **Provenance:** Caledonian Market, London, 29 July 1938. Digital image available
1357	**Instrument Type:** Combination Flageolet / Merliton ("Eunuch") **Maker Name:** [Matthias Barr] (See Notes.) **Maker Place:** [London] **Materials:** Rosewood, nickel silver socket liner, onion skin membrane. **Keys Holes System:** 0/6 holes. **Physical Description:** 3 sections. DCM ledger indicates this to be a "Eunuch Whistle Flute." The instrument is in the form of a gavel, the handle of which is a cylindrically-bored 6-holed flageolet, having fingerholes of varying diameters. The head piece is the gavel (hammerhead). **Measurement:** 30.4 cm. **Notes:** DCM ledger: "[M. Barr / London]." The gavel has a nickel silver lined socket for the flageolet section, a blowhole roughly 160 degrees opposite it, and at one end a removable hammer face element actually being a hollowed-out cap perforated laterally with 3 sound-emitting holes and the inner (invisible) face covered with a membrane of onion skin or other vibrant material for its merliton portion. Similar to Chinese transverse flutes with a buzzing membrane covered hole, this instrument appears to be intended to achieve the same effect. **Provenance:** W. Howard Head, London, 30 July 1938. Digital image available
1358	**Instrument Type:** Pipe (Merliton?) **Maker Name:** Matthias Barr **Maker Place:** London **Maker Date:** 1875-1918 **Materials:** Rosewood(?). **Keys Holes System:** Body section has 4 lateral holes, 3 of the same size (fingerholes?) plus a fourth of nearly double size, terminating in a steeply tapered tenon which fits into a capped bell section perforated at the end with 5 not symetrically placed holes, one center, and 4 around the circumference. If this is meant to be a eunuch flute, meaning a Merliton requiring a membrane-covered hole, it is not clear which hole that would be. **Physical Description:** 2 sections. **Measurement:** 13.1 cm. **Notes:** DCM ledger: "Eunuch Flute." **Provenance:** W. Howard Head, London, 30 July 1938. Digital image available

Unit Id	*Contents*
1359	**Instrument Type:** Treble (Alto) Recorder in F **Maker Name:** Carlo Palanca; Castel **Maker Place:** Torino; Italy **Maker Date:** 1719-1783; ?second quarter 18c-late 18c **Materials:** Boxwood, stained brown, ivory beak, ferrules, thumbhole bushing, and turned silver ferrules. **Keys Holes System:** 1/7 holes. **Physical Description:** 3 sections. **Measurement:** 50.3 cm. **Notes:** There are aspects of this instrument which are not typical. First, from the markings it would seem to be a combination of two instruments. The actual make-up and craftsmen in the two shops is not well known. Although the wood appears to be boxwood uniformly stained brown, the head joint seems to be from a different wood supply than that of the body and foot joints. The head and foot joint socket and ferrule construction is most unusual. It is a well-executed, but poor design and likely an alteration. The original appears to have included the normal practice of turning (cutting away) material (boxwood) back to a shoulder to receive a fairly long ornate ferrule (ivory) glued in place. However, both have been turned a second time removing (in length) nearly a third of the ivory ferrule and replacing it with a fragile wooden ferrule (see Condition) as a spacer which is then covered with a well-made, turned silver ferrule. The silver ferrules are pronged on the interior for better retention similar to more modern woodwind instrument ferrules. The addition of the silver ferrules is not without good logic, but cutting away seemingly stable material (ivory) to apply them is a mystery. Neither socket is cracked and the apparent ferrule revisions seem not to have concerned any necessary repairs. The foot joint socket does have a knot which appears not to have needed an altered ferrule design. Perhaps the most unusual aspect is the foot joint exterior design. In place of the typical flared, false bell bottom, the foot tapers down similar to the traverso foot joint design(s) of the period, and the bottom ivory ferrule appears to be original, or period, or at least very skillfully applied if later. **Condition:** Head joint socket wooden spacer ferrule (see Notes) broken and missing about 90 degrees. **Provenance:** W. Howard Head, London, 30 July 1938. Digital image available
1360	**Instrument Type:** Soprano Recorder in C **Maker Name:** Rudolf Otto **Maker Place:** Markneukirchen **Maker Date:** -1933- **Materials:** Pear, nickel silver ferrule. **Keys Holes System:** 1/7 holes. **Physical Description:** 2 sections. **Measurement:** 29.85 cm. **Provenance:** A. V. Ebblewhite, London, 5 Aug. 1938. Digital image available

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1361	**Instrument Type:** Furulya (Vertical Whistle Flute) **Maker Name:** Armin Sternberg **Maker Place:** Budapest **Maker Date:** 1884-1938 **Materials:** Unidentified light wood. **Keys Holes System:** 0/6 holes. **Physical Description:** Fipple is on the reverse of the instrument. **Measurement:** 41.4 cm. **Provenance:** A. V. Ebblewhite, London, 5 Aug. 1938. Digital image available
1362	**Instrument Type:** Panpipe Toy **Maker Name:** Anonymous **Materials:** White celluloid with orange, black, and white images of Mickey, Minnie, and other Walt Disney characters. **Keys Holes System:** 8 fipple pipes, 8 note scale. **Physical Description:** 1 piece. **Measurement:** 3.7 x 6.8 x 10.4 cm. **Provenance:** A. V. Ebblewhite, London, 5 Aug. 1938. Digital image available
1363	**Instrument Type:** Piccolo in C, High Pitch, Left-Handed **Maker Name:** George Howarth **Maker Place:** London **Maker Date:** 1894-1933 **Materials:** Ebonite, silver keys and ferrules, and socket liner. **Keys Holes System:** Keywork is essentially Boehm system with open G#, including standard trill keys for the right hand with Briccialdi variation. However, the RH is a variation of the old system, similar to the Carte 1867 patent models. This includes 1st finger F# or F-natural, plus 3rd finger F-natural old system or F# Boehm system. **Physical Description:** 2 sections, conical. **Measurement:** 30.2 cm. **Case:** Name plate on case marked: S. Watmough. **Provenance:** A. V. Ebblewhite, London, 5 Aug. 1938. Digital image available
1364	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous **Materials:** Bamboo, decorated with 5 bands of incised lines. **Keys Holes System:** 0/6 holes. **Measurement:** 32.2 cm. **Condition:** Cracked. **Provenance:** Curio shop, South Kensington, London, 5 Sept. 1938. Digital image available

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1365	**Instrument Type:** Khlui (Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Thailand **Materials:** Bamboo, with stained decoration. **Keys Holes System:** 1/7 holes, plus membrane hole, plus 4 vent holes plus a 5th drilled through a natural septum or node common to such instruments near the bottom. **Physical Description:** Decorated with 4 vertical rows of overlapping repeated patterns. **Measurement:** 45.45 cm. **Condition:** Long crack from base of instrument, plus cracks between each pair of adjacent fingerholes. **Provenance:** Curio shop, South Kensington, London, 5 Sept. 1938. Digital image available
1366	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Materials:** Cane, with brown painted rings. **Keys Holes System:** 0/6 holes plus membrane hole plus 2 tassel holes plus 2 vent holes. **Physical Description:** Burned fingerholes decorated with painted bands and Chinese characters. **Measurement:** 51.1 cm. **Condition:** Without end ferrules. Several cracks at lower end. **Provenance:** Curio shop, South Kensington, London, 5 Sept. 1938. Digital image available
1367	**Instrument Type:** Flute in C **Maker Name:** Harris **Maker Place:** London **Maker Date:** late 18c **Materials:** Boxwood, lightly stained, brass key, ivory ferrules. **Keys Holes System:** 1 key, square flat flap. **Physical Description:** 4 sections. **Measurement:** 59.65 cm. (without cap). DCM ledger: 60 cm. (with cap) **Condition:** Head joint cap now missing. **Provenance:** J. G. Morley, South Kensington, London, 5 Sept. 1938.
1368	**Instrument Type:** Tonette **Maker Name:** Ziegner Swanson, inventor; Chicago Musical Instrument Co. **Maker Place:** DeKalb; Chicago **Maker Date:** ca. 1938; ca. 1938 **Materials:** Black tenite. **Keys Holes System:** 1/7 holes. **Physical Description:** 2 sections. See DCM 1003 and 1371. **Measurement:** 18.9 cm. **Provenance:** Lyon & Healy, Cleveland, Ohio, 27 Oct. 1938. Digital image available

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1369	**Instrument Type:** Notched Flute **Maker Name:** Anonymous **Materials:** Bamboo, decorated at each end with string plus woven fabric at upper end. **Keys Holes System:** 0/7 holes (more likely 0/6 holes plus lower vent hole). **Measurement:** 27.25 cm. **Condition:** Cracks (bark only) through fingerhole rank. **Provenance:** Weston A. Price, Cleveland, Ohio, 17 Nov. 1938. Digital image available
1370	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Pottery. **Physical Description:** Staffordshire pottery boy (with red cap and pants and a green jacket) on a white velocipede. **Measurement:** 8.4 x 6.5 x 3 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 19 Nov. 1938. Digital image available
1371	**Instrument Type:** Tonette **Maker Name:** Ziegner Swanson, inventor; Chicago Musical Instrument Co. **Maker Place:** DeKalb; Chicago **Maker Date:** ca. 1938; ca. 1938 **Materials:** Clear tenite. **Keys Holes System:** 1/7 holes. **Physical Description:** 2 sections. See DCM 1368. Body with fipple joint, inserted to incorporate tuning slide. **Measurement:** 18.7 cm. **Condition:** Upper section warped. **Provenance:** Chicago Musical Instrument Co., Chicago, 28 Nov. 1938. Digital image available
1372	**Instrument Type:** Flute in C **Maker Name:** Andrew Kauffmann **Maker Place:** London **Maker Date:** a1807-1827 **Materials:** Ivory, silver keys. **Keys Holes System:** 8 keys, round flaps, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.7 cm. **Condition:** Head joint, both sections, cracked. Some cracks in foot joint key mounting ring. **Provenance:** Henry S. Saunders, Toronto, Ontario, 19 Oct. 1938.

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1373	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1818 **Materials:** Clear glass, frosted, fluted exterior. Silver keys and flanges. **Keys Holes System:** 6 keys, foot to C, round curved flaps with articulated (pivot) for D#. Post and rod on silver flanges bolted to body except for D#, C#, C, which are soldered to foot socket ferrule. C#, C finger levers mounted on flange containing, for each key, a post to the right and a vertical silver plate to the left and transferring motion at a right angle to the key flaps. **Physical Description:** 4 sections. **Measurement:** 67.4 cm. **Notes:** All three sockets have safety hooks. **Provenance:** Estate of John T. Shiel, Walkden, near Manchester, England, 31 Dec. 1938. Digital image available
1374	**Instrument Type:** Flute in C **Maker Name:** John Parker; Barnett Samuel **Maker Place:** London; London **Maker Date:** a1770-p1815; 1832-p1920 **Materials:** Boxwood, nickel silver key. **Keys Holes System:** 1 key, round flat flap, pin in block. Fingerholes 2 and 5 have been absurdly enlarged. Forked B-flat or F would be nearly impossible on this instrument. **Physical Description:** 3 sections, the third of which combines the lower body joint and foot joint. **Measurement:** 57.9 cm. (without cap) **Condition:** The embouchure hole and nickel silver ferrules may not be original. Head joint cap missing. Bottom joint cracked at socket. Foot joint chip of wood missing near bottom ferrule. **Provenance:** Boston Antique Shop, Boston, 2 Feb. 1939. Digital image available
1375	**Instrument Type:** Flute in E-flat **Maker Name:** Anonymous **Maker Date:** early 19c **Materials:** Unidentified wood, possibly boxwood, stained nearly black, with bone cap and ferrules. **Keys Holes System:** 1 key, shallow saltspoon, pin in block. **Physical Description:** 4 sections. **Measurement:** 50.6 cm. **Case:** Trapezoidal cardboard box case with separate top, covered with marbled paper. Illegible label (in German) on top. **Condition:** Head joint cracked at socket, head joint ferrule cracked. Lower body joint ferrule cracked. **Provenance:** N. C. Godsoe, of Dickinson's Old Curiosity Shop, Boston, 16 Apr. 1939. Digital image available

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1376	**Instrument Type:** Flute in C **Maker Name:** Johann Andreas Mollenhauer **Maker Place:** Fulda **Maker Date:** 1822-1870 **Materials:** Cocus, silver keys, ferrules, and plaque. **Keys Holes System:** 10 keys, round flat flap, post and rod. **Physical Description:** 3 sections, tuning slide in head. No separate foot joint. **Measurement:** 65.4 cm. **Condition:** Head joint, upper section, cracked. **Provenance:** Source not known. Digital image available
1377	**Instrument Type:** Flute in C **Maker Name:** C. Mahillon & Co. **Maker Place:** Brussels **Maker Date:** 1836-1935 **Materials:** Silver plated. **Keys Holes System:** Boehm system, closed G#, alternate key for low C#. **Physical Description:** 3 sections. **Measurement:** 66.5 cm. **Notes:** DCM ledger: "This flute corresponds to Mahillon's Catalogue of 1899 illustration, 'Model Anthoni' (Professor in Conservatory)." **Provenance:** Estate of John T. Shiel, Walkden, near Manchester, England, 10 Mar. 1939.
1378	**Instrument Type:** Flute in C **Maker Name:** Heinrich Grenser **Maker Place:** Dresden **Maker Date:** 1807-1817 **Materials:** Boxwood, lightly stained, animal horn cap and ferrules, brass key. **Keys Holes System:** 1 key, square flat flap. **Physical Description:** 4 sections. **Measurement:** 71.4 cm. **Notes:** Possibly an inexpensive-grade instrument from this highly esteemed maker. **Condition:** Several of the horn elements are chipped. **Provenance:** Rex Elton Fair, Chicago, 23 Apr. 1939.
1379	**Instrument Type:** Transverse --? **Maker Name:** Anonymous **Maker Place:** Batavia, Java **Maker Date:** ca. 1939 **Materials:** Bamboo, unusually straight, with glossy bark, elegantly decorated with black ink-filled carving. Balsam(?) cork plug. **Keys Holes System:** 0/6 holes. **Physical Description:** 1 piece. 9 wood burned ferrule decorations. **Measurement:** 41.3 cm. **Provenance:** Mrs. John G. Spenzer, Cleveland, Ohio, 8 June 1939. Digital image available

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1380	**Instrument Type:** Flute **Maker Name:** Anonymous **Materials:** Bamboo, stained red with continuous black spiral band design over the entire length. One end with thinned natural septum, which is also perforated. **Keys Holes System:** 1/3 holes. **Physical Description:** 1 piece. **Measurement:** 70.9 cm. **Notes:** Septum perforated off center with a 4 x 5 millimeter aperture or hole. The other end is open and has a large lateral aperture with a maximum width of 2 x 5 cm. The nature of this opening is unknown and one or more elements may be missing. **Provenance:** C. H. Schroeder, Pasadena, California, 28 July 1939. Digital image available
1381	**Instrument Type:** Cuckoo Whistle **Maker Name:** Anonymous **Maker Place:** Bellagio, Italy **Maker Date:** [1899?] **Materials:** Carved wood. **Keys Holes System:** 1 hole. **Physical Description:** Bird shape. **Measurement:** 14.6 cm. **Condition:** Tip of beak broken off. **Provenance:** C. H. Schroeder, Pasadena, California, 28 July 1939. Digital image available
1382	**Instrument Type:** Whistle **Maker Name:** H & T ? **Materials:** Silver or silver plate, fashioned from what appears to be an ornate ceiling lamp fixture. **Measurement:** 7.6 cm. **Provenance:** C. H. Schroeder, Pasadena, California, 28 July 1939. Digital image available
1383	**Instrument Type:** Vertical Duct Flute **Maker Name:** Anonymous, North American Indian (Haida) **Materials:** Black slate stone, animal figures decorated with lead circular inlays. **Keys Holes System:** 0/6 holes. **Physical Description:** Elaborately carved stone in very high relief, including 3 frogs, a bird of prey, leaf and bark and other stylized carving. **Measurement:** 46.95 cm. (as is) **Notes:** DCM ledger: "American Indian, Haida, Alaska." **Condition:** With pieces broken off and missing at both ends, the upper end appears to have been a standard Native American courting flute mechanism, including flue cover, a portion of the foot of which is still present. Unlike standard courting flutes, the fingerholes are in two groups of 3, and positioned unusually far apart. **Provenance:** Braun's Indian Trading Post, Hollywood, California, 28 July 1939. Digital image available

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1384	**Instrument Type:** Flute in C **Maker Name:** Clementi & Co. **Maker Place:** London **Maker Date:** 1802-1831 **Materials:** Boxwood, ivory end cap and ferrules, silver keys. Metal-lined head and foot. **Keys Holes System:** 4 keys, pewter plug pads, pin in wood. The keys appear to have had a type of gold plating, now mostly worn away. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 59.2 cm. **Notes:** The foot joint has a boxwood register slide indicating that the instrument probably had 3 corps de rechange. **Case:** The carrying case present with the instrument when DCM received it is obviously period, but will only accommodate one body joint. **Condition:** Head joint, upper section, cracked in 2 places, and its lower ivory ferrule has been replaced with a nickel silver ferrule. Foot joint has a wide crack full length straight through the tonehole and including the register slide. **Provenance:** Sadie Huntington, Pittsfield, Massachusetts, 22 Aug. 1939. Digital image available
1385	**Instrument Type:** Flute in C **Maker Name:** Louis Lot **Maker Place:** Paris **Maker Date:** ca. 1879-1880 **Materials:** Cocus, silver keys, and silver ferrules with nickel silver posts. Head joint partially metal-lined. **Keys Holes System:** Boehm system, closed G#, with 4 ring keys, foot to C. Briccialdi B-flat thumb. **Physical Description:** Boehm system, post 1832, conical. **Measurement:** 65.4 cm. **Condition:** Cracked at head joint socket. **Provenance:** A. Whitehead, New York, 5 June 1939. Digital image available
1386	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Lewis & Scott Mfg. Co. **Maker Place:** Plantsville, Connecticut **Maker Date:** ca. 1939 **Materials:** Black plastic (DCM ledger: "tenite"), and metal ferrule. **Keys Holes System:** 0/7 holes. **Physical Description:** 2 pieces. **Measurement:** 32.25 cm. **Notes:** DCM ledger: "Lewis & Scott Mfg. Co. Inc., Name on Instruction Sheet only." [and DCM refers to this as a] "Scotty Piccolo Recorder." **Condition:** Shrinkage and warping. **Provenance:** G. Schirmer, New York, 16 Sept. 1939. Digital image available

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1387	**Instrument Type:** Soprano Recorder in C **Maker Name:** Johannes Adler **Maker Place:** Markneukirchen **Maker Date:** ca. 1939 **Materials:** Pear, silver key. **Keys Holes System:** 1/7 holes, post and rod. German fingering. **Physical Description:** 2 sections. **Measurement:** 32 cm. **Notes:** No. 1721. **Provenance:** G. Schirmer, New York, 16 Sept. 1939. Digital image available
1388	**Instrument Type:** Alto Recorder in F **Maker Name:** Johannes Adler **Maker Place:** Markneukirchen **Maker Date:** ca. 1939 **Materials:** Pear, silver keys. **Keys Holes System:** 1/7 holes plus 2 keys, post and rod. German fingering. **Physical Description:** 3 sections. **Measurement:** 48.25 cm. **Notes:** No. 1722. **Provenance:** G. Schirmer, New York, 16 Sept. 1939. Digital image available
1389	**Instrument Type:** Tenor Recorder in C **Maker Name:** Johannes Adler **Maker Place:** Markneukirchen **Maker Date:** ca. 1939 **Materials:** Pear, nickel silver key. **Keys Holes System:** 1/7 holes, plus 1 key, post and rod. German fingering. **Physical Description:** 3 sections. **Measurement:** 64.3 cm. **Provenance:** G. Schirmer, New York, 16 Sept. 1939. Digital image available
1390	**Instrument Type:** Bass Recorder in F **Maker Name:** Johannes Adler **Maker Place:** Markneukirchen **Maker Date:** ca. 1939 **Materials:** Pear, plastic mouthpiece. Nickel silver (or plated metal) keys and crook. **Keys Holes System:** 1/4 holes plus 3 keys. **Physical Description:** 3 sections. **Measurement:** 96.3 cm. **Provenance:** G. Schirmer, New York, 16 Sept. 1939. Digital image available

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1391	**Instrument Type:** Walking Stick Flute in C **Maker Name:** Paul Walch **Maker Place:** Berchtesgaden **Maker Date:** a1862-1873 **Materials:** Unidentified light hard wood, wooden pommel, brass key and ferrules, metal tip. **Keys Holes System:** 1 key, round flat flap set into body of instrument with raised touch piece. 2 vent holes below E-flat key. **Physical Description:** 1 piece. **Measurement:** 90.4 cm. **Notes:** The upper end is trimmed back to shoulder to receive a ferrule. The present brass ferrule may be original, but now is much too large. The upper end of the instrument appears to have been shortened, purpose unknown. **Condition:** See Notes. **Provenance:** Sadie Huntington, Pittsfield, Massachusetts, 2 Nov. 1939. Digital image available
1392	**Instrument Type:** Piccolo in C **Maker Name:** George Cloos **Maker Place:** New York **Maker Date:** 1862-ca. 1950 **Materials:** Grenadilla, ivory upper head sections, silver end cap, ferrules, and keys. Metal-lined head. **Keys Holes System:** 6 keys, round, post and rod. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 30.25 cm. **Condition:** Head, cracked through embouchure. **Provenance:** Grace E. Smell, Wellesley, Massachusetts, 9 Nov. 1939. Digital image available
1393	**Instrument Type:** Bird Whistle (Transverse) **Maker Name:** Anonymous, South American Indian **Materials:** Bamboo. **Physical Description:** Tube with 2 pieces of wood inserted for warbling effect. Square embouchure hole, roughly cut, about equidistant from each end. **Measurement:** 12.5 cm. **Notes:** DCM ledger: "Amazon Jungle Indians, South America." One end closed by natural septum, the other end stopped with a "plug" of grass. **Provenance:** Weston A. Price, Cleveland, Ohio, 14 Nov. 1939. Digital image available
1394	**Instrument Type:** Whistle **Maker Name:** Anonymous **Maker Date:** 20c **Materials:** White china, glazed. **Physical Description:** Chef or cook. **Measurement:** 7.2 cm. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 16 Nov. 1939. Digital image available

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1395	**Instrument Type:** Whistle **Maker Name:** Anonymous **Maker Date:** 20c **Materials:** Green chinaware. **Physical Description:** Frog, with black spots, underside is white. Played by blowing across hole on back. **Measurement:** 7 x 3.2 cm. **Condition:** Frog's jaw broken and missing. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 16 Nov. 1939.
1396	**Instrument Type:** Toy Whistle Flute, "Bugle Boy" **Maker Name:** The Tonette Company **Maker Place:** Chicago, Illinois **Maker Date:** 20c **Materials:** Styrene plastic. **Keys Holes System:** 0/3 holes. **Physical Description:** 1 piece. **Measurement:** 13.2 cm. **Notes:** Small four-note whistle, in bugle/trumpet form, composed of a black plastic body with yellow plastic bell and mouthpiece fused into position. The 4 available notes outline 4 of the standard 5 bugle call notes. **Condition:** Playable. **Provenance:** Music store?, Columbus, Ohio, 28 Dec. 1939. Digital image available
1397	**Instrument Type:** Primer Clarinet **Maker Name:** O'Brien **Maker Place:** Indianapolis **Maker Date:** 1929-p1950 **Materials:** Bakelite, metal fittings. **Keys Holes System:** Boehm system, 1/6 holes plus octave key behind. **Physical Description:** 2 sections. **Measurement:** 38.8 cm. **Notes:** DCM ledger: "Small size, for beginning school children. Body of one piece of Bakelite tube, with very small 'bell'. Mouthpiece of Bakelite, full size clarinet reed holder, and cap. Simplified fingering. Boehm fingering for one key only. Six finger holes in front, one open hole behind. Octave key behind. Three lower holes, with one-piece ring-key closing hole above the third. Thumb support." **Provenance:** Harry E. O'Brien, Indianapolis, Indiana, 24 Jan. 1940.

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1398	**Instrument Type:** Flute in C **Maker Name:** Theobald Boehm **Maker Place:** Munich **Maker Date:** 1849 **Materials:** Silver, gold embouchure plate and chimney, wood crutch. **Keys Holes System:** Boehm system, open G#. Adjustment screws. **Physical Description:** 3 sections, cylindrical. **Measurement:** 62.6 cm. **Notes:** According to Boehm's record book, this is flute no. 38, for Jonathan Gray. **Case:** Original case. **Condition:** Missing shield cap for lower joint tenon. **Provenance:** Rudall, Carte & Co., London, 24 Jan. 1940. Digital image available
1399	**Instrument Type:** Picco Pipe **Maker Name:** Robert Hack **Maker Place:** London **Maker Date:** 1840-1859 **Materials:** Boxwood. **Keys Holes System:** 1/2 holes, lettered and numbered: D/0, A/1, G/2. **Physical Description:** 1 piece. Fipple flute resembling a recorder. **Measurement:** 8.7 cm. **Provenance:** Rudall, Carte & Co., London, 14 Feb. 1940. Digital image available
1400	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1815 **Materials:** Clear glass frosted, pearl cap, silver keys and ferrules. **Keys Holes System:** 7 keys, curved flat round flaps, including articulated (pivot) flaps on foot joint keys for proper seat alignment. Post and rod on silver flanges bolted to flute body except for G# and D# which are soldered to middle and lower joint socket ferrules. **Physical Description:** 4 sections. Fluted exterior. **Measurement:** 67.65 cm. **Notes:** DCM ledger: "Cap and Cork unusual. Head lined with thin silver tube 1/2 inch long where cork rests; real cork on ivory screw and tip; ivory screw cap has flat sheet of pearl on outside, and silver edge." Appears not to be original and was probably devised from an existing English instrument, Miller having obtained the flute from Rudall, Carte. **Provenance:** Rudall, Carte & Co., London, 14 Feb. 1940. Digital image available

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1401	**Instrument Type:** Flute in C **Maker Name:** Brickel **Maker Place:** London **Maker Date:** early 19c **Materials:** Boxwood, stained light and with a finish, possibly not original. Bone cap and ferrules, brass key. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 59.15 cm. **Condition:** Head joint and upper body joint are warped. Foot joint ferrule cracked. **Provenance:** Rudall, Carte & Co., London, 14 Feb. 1940. Digital image available
1402	**Instrument Type:** Flute in C **Maker Name:** Metzler & Co. **Maker Place:** London **Maker Date:** ca. 1837-1840 **Materials:** Stained boxwood, ivory cap, shaft, and ferrules. Silver key with pewter plug. **Keys Holes System:** 1 key, pewter plug over metal-lined hole. **Physical Description:** 4 sections, with tuning slide in head and register slide in foot. **Measurement:** 59.7 cm. **Condition:** Head joint upper section cracked full length through embouchure and ivory ferrule. **Provenance:** Rudall, Carte & Co., London, 14 Feb. 1940.
1403	**Instrument Type:** Flute in E-flat **Maker Name:** Wood & Ivy **Maker Place:** London **Maker Date:** 1837-1847 **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 49.7 cm. **Condition:** Warped. Lower body joint cracked at socket. **Provenance:** Rudall, Carte & Co., London, 14 Feb. 1940. Digital image available

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1404	**Instrument Type:** Flute in C **Maker Name:** Claude Laurent **Maker Place:** Paris **Maker Date:** 1817 **Materials:** Clear glass frosted, silver keys. DCM ledger: "Labradorite" cap. **Keys Holes System:** 6 keys, flat pad, post and rod attached to oval silver flanges except for C# and C finger levers. G# and D# flanges soft-soldered to silver ferrules. All other attached with Laurent's system utilizing small nuts and bolts. Foot joint keys curved to conform with outer circumference. **Physical Description:** 4 sections. **Measurement:** 67.4 cm. **Notes:** All sockets have Laurent's safety hook which engages a flange on each corresponding tenon. **Condition:** Safety lock missing on head and may have been removed intentionally. Glass slightly chipped at fingerhole 3. **Provenance:** G. Scarth Ltd., London, 28 Feb. 1940. Digital image available
1405	**Instrument Type:** Flute in C **Maker Name:** Metzler & Co. **Maker Place:** London **Maker Date:** ca. 1837-1840 **Materials:** Rosewood, nickel silver keys and rings, metal-lined head. **Keys Holes System:** 8 keys, modern style key cups, with pewter plugs over round plates for C#, C. Pin in block. **Physical Description:** 4 sections, with tuning slide in head. **Measurement:** 64.4 cm. (without cap) **Condition:** Head joint, both sections, cracked. Missing cap. **Provenance:** Paul Rosen, San Francisco, 27 Mar. 1940. Digital image available
1406	**Instrument Type:** Flute in C **Maker Name:** Clementi & Co. **Maker Place:** London **Maker Date:** 1802-1831 **Materials:** Ivory, including cork-setting mechanism with silver shaft, silver keys. English style head joint with tenon. **Keys Holes System:** 6 keys, square flap, foot to C. **Physical Description:** 3 joints, foot and lower joint combined as one. **Measurement:** 66.4 cm. **Provenance:** Rudall, Carte & Co., London, 8 Apr. 1940. Digital image available

Unit Id	*Contents*
1407	**Instrument Type:** Flute in C **Maker Name:** Key **Maker Place:** London **Maker Date:** a1808-1858 **Materials:** Boxwood, ivory cap, head joint cork-setting mechanism, and ferrules, brass keys. **Keys Holes System:** 6 keys, round flap, foot to C#. **Physical Description:** 4 sections, with tuning slide in head. **Measurement:** 64.5 cm. **Notes:** Upper joint and foot joint pre-pinned at each key. **Condition:** Head joint barrel cracked. **Provenance:** Rudall, Carte & Co., London, 8 Apr. 1940. Digital image available
1408	**Instrument Type:** Flute in C **Maker Name:** George Rudall **Maker Place:** London **Maker Date:** ca. 1820-1821 **Materials:** Boxwood, silver cap, keys, and ferrules. Metal-lined head and mounts (not all). Ivory bushing at embouchure hole. **Keys Holes System:** 8 keys, all pewter plugs. Metal-lined holes over metal plates for D#, C#, and C. Metal-lined pin in block. **Physical Description:** 4 sections, with tuning slide in head. **Measurement:** 66 cm. **Notes:** This instrument has 9 nickel-silver(?) pins (pre-cross pinned for crack prevention) located at upper C key guide block, B-flat block, upper C key block, G# key block, long F key block and guide block, D#, C3, and C key blocks. **Condition:** Head joint, upper section, cracked. Upper C key block possibly a replacement. **Provenance:** Rudall, Carte & Co., London, 8 Apr. 1940. Digital image available
1409	**Instrument Type:** Flute in C **Maker Name:** W. Sprague **Maker Place:** London **Maker Date:** 1840-1883 **Materials:** Boxwood, ivory cap and ferrules, nickel silver keys. **Keys Holes System:** 7 keys, square flaps, foot to C. **Physical Description:** 4 sections. **Measurement:** 66.35 cm. **Condition:** Low C key upper portion a replacment, wood section between C# and C key upper portions broken off, still with specimen. **Provenance:** Rudall, Carte & Co., London, 8 Apr. 1940. Digital image available

Unit Id	*Contents*
1410	**Instrument Type:** Flute in A (A-flat?) **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** ca. 1824 **Materials:** Cocus, silver keys and ferrules. **Keys Holes System:** 4 keys, round flat flaps, pin in block. **Physical Description:** 4 sections, conical. **Measurement:** 75 cm. **Notes:** Although possibly a flute in A (flute d'amore?), this instrument may have been intended to be a so-called B-flat flute (actually in A-flat, high pitch) for flute band usage. **Condition:** If the head joint cap is original, it is missing the cork-setting mechanism screw. **Provenance:** Rudall, Carte & Co., London, 8 Apr. 1940. Digital image available
1411	**Instrument Type:** Flute in C **Maker Name:** James Wood **Maker Place:** London **Maker Date:** ca. 1814-1821 **Materials:** Ebony, ebony cap with ivory cork-setting mechanism, silver keys and ferrules. **Keys Holes System:** 7 keys, square flap, foot to C. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.6 cm. **Notes:** Mark on low C key connecting rod: WOOD FECIT. DCM ledger: "Unique…. Each silver slide with beaded ferrules on each edge." Flute has short tuning slide for each joint (Wood patent No. 3797, in 1814). **Condition:** Cracked and filled. **Provenance:** Rudall, Carte & Co., London, 8 Apr. 1940. Digital image available
1412	**Instrument Type:** Flute in C **Maker Name:** William Hall & Son **Maker Place:** New York **Maker Date:** 1848-1858 **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 61.3 cm. (head joint cap a replacement) **Provenance:** R. A. Smith, Memphis, Tennessee, 15 Apr. 1940. Digital image available

Unit Id	*Contents*
1413	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Glazed earthenware, white, with brown, red and green. Inside of mouth painted red. Originally likely painted green over the glaze. **Physical Description:** Frog, sitting on a stylized brown mount. **Measurement:** 5.8 x 3.3 x 5.15 cm. **Condition:** Green paint almost entirely missing now. Crack at bottom of fipple stem. **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 12 June 1940. Digital image available
1414	**Instrument Type:** Flute in C **Maker Name:** Alfred G. Badger **Maker Place:** New York **Maker Date:** 1887 **Materials:** Ebonite, silver keys, ferrules. (With extra ebonite head joint, not marked, fully thinned). See "Transverse Flute Elements Named in This Catalog." **Keys Holes System:** Boehm system, open G#. **Physical Description:** 2 sections, cylindrical. Thinned head joint with integral embouchure plate. **Measurement:** 64 cm. **Notes:** DCM ledger: "Extra trill levers--Lax's special 'method.'" **Condition:** Lax model lever broken off for B/C trill. Ebonite tube slightly warped. **Provenance:** George Samuel Tucker, Hingham, Massachusetts, 11 July 1940. Digital image available
1415	**Instrument Type:** Flute in C **Maker Name:** Raymond Howard Willoughby **Maker Place:** Connecticut **Maker Date:** ca. 1900 **Materials:** Unidentified wood. **Keys Holes System:** See Physical Description. D# key [missing], with nickel silver post. **Physical Description:** 1 piece. DCM ledger: "Experimental flute, of original design: Cylinder, 'keyless' pattern, has one key for D# and 9 open fingerholes properly spaced [for chromatic scale], graduated diameters, variously placed around the body to fit the finger-reaches." (See DCM 1501). **Measurement:** 63.1 cm. **Condition:** Crack at top of flute head. **Provenance:** Raymond R. Willoughby, Riverside, Rhode Island, 13 Aug. 1940. Digital image available

Unit Id	*Contents*
1416	**Instrument Type:** Ocarina **Maker Name:** Fred Gretsch Mfg. Co. **Maker Place:** Brooklyn, New York **Maker Date:** 20c **Materials:** Plastic, coral-colored. **Keys Holes System:** 0/7 holes. **Measurement:** 14 cm. **Provenance:** Music store?, Boston, 19 Sept. 1940. Digital image available
1417	**Instrument Type:** Flute in C **Maker Name:** Adolf Hüttl **Maker Place:** Boston **Maker Date:** 1860-1870 **Materials:** Cocus(?), ivory and cocus cap, ivory head, silver-plated keys and ferrules. **Keys Holes System:** 9 keys, foot to B. Modern style key cups implies it is from a time when all key styles were in use. Post and rod. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 69.8 cm. **Condition:** Head joint, both sections, cracked and filled. **Provenance:** Boston Antique Shop, Boston, 18 Oct. 1940. Digital image available
1418	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Materials:** Rosewood(?), silver cap, keys, and ferrules. **Keys Holes System:** 11 keys, to low B-flat, including F# vent key for RH 2nd finger. Pewter plugs over square plates for low D# to B-flat. Pin in block. Longer keys have pairs of counter-direction springs, one riveted to key, the other screwed to instrument. **Physical Description:** 5 sections, tuning slide in head. **Measurement:** 73.95 cm. **Notes:** Ferrules decoration includes 2 center beads with smaller knurled outer beads. All keys above D# relatively modern key cup design with knurled decoration. **Condition:** Head joint, both sections, cracked and filled. **Provenance:** Boston Antique Shop, Boston, 18 Oct. 1940. Obtained by the Boston shop from Mrs. Adelbert L. Huntington. DCM ledger: "From a Chaplin family of Albany. In family 108 years." See DCM 1475. Digital image available

Unit Id	*Contents*
1419	**Instrument Type:** Flute in C **Maker Name:** George Nicholas Munger **Maker Place:** New Haven **Maker Date:** ca. 1840-1843 **Materials:** Cocus, ivory head joint and cap, cocus barrel, nickel silver keys and ferrules. **Keys Holes System:** 5 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 61.1 cm. **Notes:** Barrel has turned beads closely spaced, full length, similar to Scottish bagpipe décor. **Condition:** Head joint, both sections, cracked, middle joint socket cracked, E-flat key block cracked on one side, previously repaired with pins. Ivory cap possibly a replacement from another instrument. **Provenance:** Whitlock's Book Store, New Haven, Connecticut, 4 Nov. 1940. Digital image available
1420	**Instrument Type:** Whistle **Maker Name:** Anonymous **Materials:** Brown Staffordshire pottery. **Keys Holes System:** 1 fingerhole in back of owl. Whistle edge in back of head. Instrument sounds approximately a semitone apart. **Physical Description:** Owl-shaped. **Measurement:** 10.4 cm. (height) **Provenance:** N. E. Carter, Elkhorn, Wisconsin, 17 Apr. 1939. Digital image available
1421	**Instrument Type:** Piccolo in E-flat **Maker Name:** Alfred Binyon **Maker Place:** London **Maker Date:** 1842-1852 **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, saltspoon, pin in block. **Physical Description:** 2 sections. **Measurement:** 29 cm. **Condition:** Cap possibly not original. **Provenance:** Boston Antique Shop, Boston, 4 Dec. 1940. Digital image available
1422	**Instrument Type:** Clarinet in C **Maker Name:** Astor & Horwood **Maker Place:** London **Maker Date:** 1815-1819 **Materials:** Boxwood, ebony mouthpiece, brass keys, ivory ferrules. **Keys Holes System:** 5 keys, square flat flaps, pin in block. **Physical Description:** 5 sections, and mouthpiece. **Measurement:** 59.3 cm. **Condition:** Ivory ferrule on barrel, cracked, as is bell ferrule (a replacement). **Provenance:** Boston Antique Shop, Boston, 4 Dec. 1940. Digital image available

Unit Id	*Contents*
1423	**Instrument Type:** Pitch Pipe **Maker Name:** Anonymous **Maker Date:** early 19c **Materials:** Mahogany with satinwood or other light-colored wood. **Physical Description:** 2 sections. Pitch pipe, meant to appear as a Chorister's book. At the lower right hand corner there is a fipple flute element, and the inside of the instrument contains a rectangular (pitch slide) having the gasket at the lower end, and pulled upward (if held as a book). One side contains scribed lines with note names printed on a separate rectangular paper, possibly parchment, indicating notes F to G(?). **Measurement:** 15.1 (length) x 7.6 (width) x 2.5 (depth) cm. **Condition:** One dovetailed outer case member is missing at the fipple end of the instrument. **Provenance:** Boston Antique Shop, Boston, 4 Dec. 1940. Digital image available
1424	**Instrument Type:** Flute in C **Maker Name:** Firth Hall & Pond **Maker Place:** Litchfield **Maker Date:** 1839-1867 **Materials:** Boxwood, ivory cap and ferrules, brass keys. **Keys Holes System:** 4 keys, round flat flaps, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 59.4 cm. **Notes:** The head joint has a tuning slide consisting of the barrel with an integral wooden inner slide tube, which has to be lapped with thread similar to any of the tenons. The tuning slide socket in the upper portion may have had a now missing brass inner liner. This is essentially the construction of the Quantz model flute head joint, DCM 916, but without a threaded cork-setting mechanism. **Condition:** Missing brass liner, see Notes. The head joint inner tuning slide tube is cracked, both parallel and cross grain, and broken off its unit, but is amazingly intact. Head joint socket material under the ivory ferrule is unusually thin, it apparently having been reduced by hand. It is missing a chip of material as a result. Lower body joint has three cracks in the wood, and 2 in the ferrule. Foot joint cracked at socket. **Provenance:** Whitlock's Book Store, New Haven, Connecticut, 16 Dec. 1940. Digital image available
1425	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Symphonet **Maker Place:** United States **Maker Date:** 20c **Materials:** Black plastic. **Keys Holes System:** 1/7 holes. Small vent hole 18 millimeters from bottom. **Physical Description:** 2 sections. Tapered bore with molded integral thumb rest, finger guide studs, and music rack attachment device. **Measurement:** 29.85 cm. **Condition:** Extremely warped. **Provenance:** Handy-Folio Music Co., Milwaukee, Wisconsin, 31 Dec. 1940, at the Cleveland MTNA Convention. Digital image available

Unit Id	*Contents*
1426	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Materials:** Grenadilla, ivory head joint, nickel silver cap, keys, and ferrules. **Keys Holes System:** 13 keys, modern style key cups, foot to B. Left thumb G#. **Physical Description:** 3 sections, tuning slide in head. No separate foot joint. **Measurement:** 70.3 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** Mildred Miller, Oakland, California, 6 Jan. 1941. Formerly owned by Jessie E. Watson, Berkeley, California. Digital image available
1427	**Instrument Type:** Flute in C **Maker Name:** Abel Siccama **Maker Place:** London **Maker Date:** 1848-1862 **Materials:** Cocus, silver plate over brass keys and ferrules. Metal-lined head. **Keys Holes System:** 10 keys, one of several models termed Siccama, this instrument is the standard conical bore 8-keyed instrument with large toneholes and a 9th and 10th key placing enlarged principal rank toneholes 3 and 6 further down the tube. Modern style key cups, post and rod. Attached with stud screws. Standard English-style pewter plugs over round plates. **Physical Description:** 3 sections, with tuning slide in head. See DCM 133. **Measurement:** 64.25 cm. **Condition:** Head joint, both sections, cracked. B-flat key thumb lever broken off. **Provenance:** Source not known. Digital image available
1428	**Instrument Type:** Flute in C **Maker Name:** Prosper Colas **Maker Place:** Paris **Maker Date:** 1857-p1883 **Materials:** Nickel silver. **Keys Holes System:** 6 keys, to low D, modern post and rod keywork attached to ribs. The six principal rank toneholes are also drilled through thick ribs (12 millimeters in width for left hand, 12.5 millimeters for right hand). **Physical Description:** 2 sections, cylindrical bore. With modern parabolic head joint, including embouchure plate. **Measurement:** 59.6 cm. **Condition:** Tenon of head joint slightly out of round. Nickel silver cap apparently missing a threaded element. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1429	**Instrument Type:** Flute in C **Maker Name:** Barlassina & Billoro **Maker Place:** Milan **Maker Date:** first quarter 20c **Materials:** Nickel silver. **Keys Holes System:** 15 keys, simple system (9 keys plus key plates for the 6 principal rank toneholes). **Physical Description:** 3 sections, cylindrical bore. **Measurement:** 68 cm. **Case:** Case. **Provenance:** Jeanine Dowdle, Ballston Spa, New York, 1996. Digital image available
1430	**Instrument Type:** Clarinet in B-flat **Maker Name:** Jul. Heinr. Zimmermann **Maker Place:** St. Petersburg **Maker Date:** 1875-1929 **Materials:** Grenadilla, nickel silver keys and ferrules. Hard (red) rubber rollers for little finger keys. **Keys Holes System:** Simple system, 16 keys, plus 5 finger rings operating 3 vent holes. **Physical Description:** 4 sections, with 2 barrels (high pitch, low pitch). **Measurement:** 57.8 cm. (short barrel); 58.3 cm. (long barrel). **Notes:** With reeds, reed cases, and mouthpieces. Two of the reed cases are colorful Russian candy boxes. All of the cardboard reed caps have Cyrillic writing. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1431a	**Instrument Type:** Clarinet in A **Maker Name:** William Sherman Haynes **Maker Place:** Boston **Maker Date:** p1926-1927 **Materials:** Sterling silver, hard rubber mouthpiece (one mouthpiece is silver-lined). **Keys Holes System:** Boehm system, 6 rings. **Physical Description:** Body, in one piece, with bell, barrel, and mouthpiece. Double tube construction. See DCM 1431b. **Measurement:** 69 cm. **Notes:** Haynes patent, 1926: thermoclarinet. Double tube construction incorporating Haynes patented thermal design. Description from Baxter-Northup music catalog: "This new clarinet, made of two hard-drawn tubes, tightly sealed at the extremities, is an air chamber. A small tube with removable cap is applied immediately below the barrel joint of the instrument. By means of a hidden opening, near the bell end of the instrument, the player breathes gently into the tube near the barrel end. Ten to fifteen exhalations will serve to expel the cold dead air, replacing it with warm, live breath. By quickly closing both apertures, the instrument is rendered thermal and will stay warm throughout an entire performance. With the new Wm. S. Haynes sterling silver clarinet, the unending annoyance of trying to play in tune a clarinet warm near the mouthpiece, less warm in the center and quite cold at the bell end is completely overcome." The "hidden opening" near the bell is simply a hole which is covered or uncovered by a close-fitting ferrule containing an aligning hole, similar to vacuum cleaner hose nozzle devices. The Haynes clarinets are excellent instruments, but were successfully used for an unfortunately short period. Especially well-known in the Boston area, they were used by a few major players, for example, Georges Barrère, in his Barrère Little Symphony and Ensemble of Woodwind Instruments. At one point, the entire Paul LaValle Concert Band in B-flat Section was equipped with Haynes instruments. **Case:** Original double case for this instrument and DCM 1431b. **Provenance:** Louis W. Lewis, Oakland, California, 1995. Digital image available
1431b	**Instrument Type:** Clarinet in B-flat **Maker Name:** William Sherman Haynes **Maker Place:** Boston **Maker Date:** p1926-1927 **Materials:** Sterling silver, hard rubber mouthpiece (one mouthpiece is silver-lined). **Keys Holes System:** Boehm system, 6 rings. **Physical Description:** Body in one piece, with bell, barrel, and mouthpiece. Double tube construction. See DCM 1431a. **Measurement:** 66.1 cm. **Notes:** See DCM 1431a, Notes. Haynes patent, 1926: thermoclarinet. Double tube construction incorporating Haynes patented thermal design. **Case:** Original double case for this instrument and DCM 1431a. **Provenance:** Louis W. Lewis, Oakland, California, 1995. Digital image available

Unit Id	*Contents*
1432	**Instrument Type:** Flute in C **Maker Name:** William R. Meinell **Maker Place:** New York **Maker Date:** 1874-ca. 1907 **Materials:** Silver. **Keys Holes System:** Boehm system, closed G#, Briccialdi B-flat. **Physical Description:** Seamed tube. **Measurement:** 65.8 cm. **Provenance:** Peter J. Sheldon, Mequon, Wisconsin, 1992. Digital image available
1433	**Instrument Type:** Flute in C **Maker Name:** Felix Ravdonikas **Maker Place:** St. Petersburg **Maker Date:** 1979 **Materials:** Grenadilla, mammoth tusk cap and ferrules, silver key. **Keys Holes System:** 1 key, round flap. **Physical Description:** 3 sections. **Measurement:** 70.6 cm. **Notes:** Reproduction of an original Hotteterre baroque flute in the Museum of the State Institute of Music, St. Petersburg. Displayed in "An Exhibition of Flutes in Honor of Dayton C. Miller and in Honor of the Centenary of Case Institute of Technology," Cleveland, Ohio, Oct. 1980. Mr. Ravdonikas also donated a group of wax toneholes and embouchures of flutes in the Museum of Musical Instruments, St. Petersburg. **Provenance:** Felix Ravdonikas, St. Petersburg, 1979. Digital image available
1434	**Instrument Type:** Flute in C **Maker Name:** G. L. Penzel & Bro. **Maker Place:** New York **Maker Date:** mid 1890s **Materials:** Grenadilla, nickel silver keys. **Keys Holes System:** 11 keys, to low B. Modern style key cups, post and rod. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 71.8 cm. **Notes:** DCM Penzel catalog shows this flute as model no. 54. **Condition:** Head joint, cracked and filled. Small crack in lower joint at socket. **Provenance:** Peter Adams, Silver Spring, Maryland, 1996. Digital image available
1435	**Instrument Type:** Cornet Mute **Maker Name:** Anonymous **Maker Date:** late 19c **Materials:** Brass. **Notes:** See DCM 36, Notes and Condition. This mute was attached to a boxwood flute (DCM 36) which DCM acquired in 1913. **Provenance:** Estate of Joseph Fischer, Cleveland, Ohio, 9 Mar. 1913. Digital image available

Unit Id	*Contents*
1436	**Instrument Type:** Clarinet in B-flat **Maker Name:** J. W. Pepper **Maker Place:** Philadelphia **Maker Date:** 1876-1919 **Materials:** Grenadilla, nickel silver. **Keys Holes System:** Simple system, 2 right hand finger rings, sometimes called Albert System. See "Meyer-Albert Systematic Misnomers." **Physical Description:** 4 sections. **Measurement:** 56 cm. (without mouthpiece) **Case:** In case with DCM 1437. Both instruments (DCM 1436 and 1437) are 2 of a set of 3 carried in the present homemade case lined inside with green felt. The case also contains an unsigned wooden E-flat clarinet mouthpiece and barrel from another instrument, with ligature; plus one ebonite B-flat mouthpiece marked: G. L. PENZEL / & MÜLLER(?) / NEW YORK, and a 2nd ebonite B-flat mouthpiece stamped (in white): STUDENT // 1167 // M, a cocuswood B-flat mouthpiece, unsigned, and a crystal B-flat mouthpiece, fluted, marked: H. CHEDEVILLE (cursive). The case contains 3 B-flat and/or A ligatures, plus 7 more B-flat and/or A clarinet barrels. **Condition:** Missing mouthpiece. Bell cracked and repaired with 3 nickel silver cross pins. Lower body joint cracked at socket to fingerhole 4. Tip is broken off and missing on crystal B-flat mouthpiece. Digital image available
1437	**Instrument Type:** Clarinet in E-flat **Maker Name:** Henry Pourcelle, tradename for Bruno, importer in New York **Maker Place:** Paris **Maker Date:** mid 19c-20c **Materials:** Grenadilla, nickel silver. **Keys Holes System:** Simple system, right hand finger rings, sometimes called Albert System. See "Meyer-Albert Systematic Misnomers." All fingerholes bushed with nickel silver. **Physical Description:** 4 sections. **Measurement:** 41.6 cm. **Case:** In case with DCM 1436. See DCM 1436, Notes. **Condition:** Bell joint lower ferrule (threaded) missing. Barrel joint cracked and poorly repaired. Digital image available
1438	**Instrument Type:** Notched Flute **Maker Name:** Anonymous **Materials:** Bamboo. **Keys Holes System:** 2 holes. **Physical Description:** Light-colored bamboo, closed with natural septum, with overall diamond pattern design. **Measurement:** 80 cm. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1439	**Instrument Type:** Piccolo in D-flat **Maker Name:** V. Kohlert's Söhne **Maker Place:** Graslitz **Maker Date:** p1880-1945 **Materials:** Grenadilla(?), nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 6 keys, modern style key cups, post and rod. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 30.25 cm. **Condition:** Barrel cracked and filled. **Provenance:** Source not known. Digital image available
1440	**Instrument Type:** Fife in B-flat(?) **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Black-finished brown wood, silver ferrules, 2 nickel silver rings. **Keys Holes System:** 0/6 holes. **Measurement:** 37.8 cm. **Condition:** Crack, repaired with 2 nickel silver rings. Scratch marks where embouchure device was removed. **Provenance:** Source not known. Digital image available
1441	**Instrument Type:** Flute in C **Maker Name:** William Sherman Haynes **Maker Place:** Boston **Maker Date:** 1920 **Materials:** 14k gold tube and mechanism, ivory roller for C#, C. **Keys Holes System:** Boehm system, closed hole to low C. C# trill. **Measurement:** 66.65 cm. **Notes:** Embossed keys, ferrules, and embouchure plate edge. This flute was made for the Spanish flutist Manuel Berenguer (see photo 34 in Haynes group, Miller Photograph Collection), first flute of the Chicago Opera and flute soloist for the soprano, Galli-Curci (see photo 129 in A-Z group, Miller Photograph Collection). According to Leonardo de Lorenzo, Mme Galli-Curci presented Berenguer with a gold flute in appreciation of his work. (Biographical information and life dates for Berenguer per Leonardo de Lorenzo, My Complete Story of the Flute, Lubbock, Texas: Texas Tech University Press, 1992, p. 219.) **Case:** Original case with gold-plated cleaning rod. **Provenance:** Robert I. Weil, Villanova, Pennsylvania, 7 June 1983. Digital image available

Unit Id	*Contents*
1442	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo. **Keys Holes System:** 0/6 holes. **Physical Description:** Fipple flute, with fipple on back. Bamboo decorated with stencil of dragon in black ink or dye paint. **Measurement:** 29.9 cm. **Provenance:** Source not known. Digital image available
1443	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo. **Keys Holes System:** 0/6 holes. **Physical Description:** Fipple flute, fipple on right side. Bamboo decorated with stencil of dragon in black ink or dye paint. **Measurement:** 26.9 cm. **Provenance:** Source not known. Digital image available
1444	**Instrument Type:** Dvoynice **Maker Name:** Anonymous **Maker Place:** Yugoslavia **Maker Date:** 20c **Materials:** Unidentified hard wood with low relief carving, geometric forms, stained reddish brown with stained green areas. **Keys Holes System:** Right pipe: 0/4 holes; left: 0/3 holes. **Physical Description:** Double pipe. **Measurement:** 27.65 cm. **Provenance:** Source not known. Digital image available
1445	**Instrument Type:** Dvoynice **Maker Name:** Anonymous **Maker Place:** Yugoslavia **Maker Date:** 20c **Materials:** Unidentified hard wood with low relief carving, geometric forms, stained light brown with finish. **Keys Holes System:** Right pipe: 0/4 holes; left: 0/3 holes. Relatively small fingerholes. **Physical Description:** Double pipe. **Measurement:** 31.75 cm. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1446	**Instrument Type:** Dvoynice **Maker Name:** Anonymous **Maker Place:** Yugoslavia **Maker Date:** 20c **Materials:** Unidentified hard wood with low relief carving, geometric forms, stained light brown. **Keys Holes System:** Right pipe: 0/4 holes; left: 0/3 holes. **Physical Description:** Double pipe. **Measurement:** 30.8 cm. **Provenance:** Source not known. Digital image available
1447	**Instrument Type:** Dvoynice **Maker Name:** Anonymous **Maker Place:** Yugoslavia **Maker Date:** 20c **Materials:** Unidentified hard wood with low relief carving, geometric forms, stained light brown. **Keys Holes System:** Right pipe: 0/4 holes; left: 0/3 holes. **Physical Description:** Double pipe. **Measurement:** 32.1 cm. **Provenance:** Source not known. Digital image available
1448	**Instrument Type:** Vertical Whistle Flute, Triple Pipe **Maker Name:** Anonymous **Maker Place:** Yugoslavia **Maker Date:** 20c **Materials:** Unidentified hard wood with low relief carving, geometric forms, and intersecting lines and dots, stained green. **Keys Holes System:** Right pipe: 0/4 holes; center: 0/3 holes; left: 0 holes. **Measurement:** 30.2 cm. **Provenance:** Source not known. Digital image available
1449	**Instrument Type:** Svirala (Vertical Flute) **Maker Name:** Anonymous **Maker Place:** Yugoslavia **Materials:** Light wood. **Keys Holes System:** 0/6 holes. **Physical Description:** Single pipe. Ornamental carvings. **Measurement:** 31.9 cm. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1450	**Instrument Type:** Svirala (Vertical Flute) **Maker Name:** Anonymous **Maker Place:** Yugoslavia **Materials:** Light wood. **Keys Holes System:** 0/6 holes. **Physical Description:** Ornamental carvings. **Measurement:** 31.8 cm. **Provenance:** Source not known. Digital image available
1451	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Arabia **Maker Date:** 20c? **Materials:** Bamboo. **Keys Holes System:** 1/7 holes. **Physical Description:** Closed septum at bottom. Red incised lines and edge. **Measurement:** 26.6 cm. **Provenance:** Source not known. Digital image available
1452	**Instrument Type:** Pingullo (Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Ecuador **Maker Date:** 20c **Materials:** Bamboo. **Keys Holes System:** 1/2 holes. **Measurement:** 35.35 cm. **Provenance:** Source not known. Digital image available
1453	**Instrument Type:** Whistle Flute (Transverse) **Maker Name:** Anonymous **Maker Place:** India(?) **Materials:** Steel, brass-plated. **Keys Holes System:** 0/6 holes. **Physical Description:** Steel pipe approximately 13 millimeters inner diameter, bored with 6 approximately equidistant toneholes but not equal diameter and a fipple consisting of a rectangular window the lowest edge of which has been bent inward. See Notes. **Measurement:** 32.85 cm. **Notes:** Block of unknown material above which is mounted a crudely made and applied lateral tube allowing horizontal or transverse playing position and the upper end closed with a soldered in metal (cast) nonferrous decorative plug, possibly a lamp part. The steel tube has been plated with the metal commonly used for steel objects which are meant to appear as brass. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1454	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Hungary(?) **Materials:** Unidentified wood. **Keys Holes System:** 0/6 holes. **Physical Description:** Carved with beaded, floral and leaf décor. **Measurement:** 30.5 cm. **Provenance:** Source not known. Digital image available
1455	**Instrument Type:** Whistle Flute (Transverse) **Maker Name:** Anonymous **Maker Place:** Pakistan(?) **Materials:** Unidentified hard wood, brass ferrule, glass beads and steel-plate. **Keys Holes System:** 0/6 holes. **Physical Description:** Wooden tube, cylindrically bored. Lateral wooden tube for mouthpiece above fipple. **Measurement:** 35.5. cm. **Provenance:** Source not known. Digital image available
1456	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Poland(?) **Materials:** Poplar(?), lacquered black, carved to reveal the natural wood in a flower leaf design and incised band design. **Keys Holes System:** 0/6 holes. **Physical Description:** Conical. **Measurement:** 27.7 cm. **Provenance:** Source not known. Digital image available
1457	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Western South America, possibly Peru **Materials:** Unidentified hard wood. **Keys Holes System:** 1/6 holes. **Measurement:** 40.3 cm. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1458	**Instrument Type:** Fife in A-flat (B-flat) **Maker Name:** Walter Crosby **Maker Place:** Boston **Maker Date:** 1830-1872 **Materials:** Rosewood, nickel silver ferrules. **Keys Holes System:** 0/6 holes. **Measurement:** 43.1 cm. **Condition:** Crack running through fingerholes 4, 5, 6. Embouchure is unusually large and may have been altered. **Provenance:** Source not known. Digital image available
1459	**Instrument Type:** Fife in A-flat (B-flat) **Maker Name:** Geoffrey & Co. **Maker Place:** Sialkot, Pakistan **Materials:** Rosewood, nickel silver ferrules. **Keys Holes System:** 0/6 holes. **Physical Description:** Doucet. **Measurement:** 43.2 cm. **Provenance:** Source not known. Digital image available
1460	**Instrument Type:** Sopilka **Maker Name:** Anonymous **Maker Place:** Ukraine **Materials:** Poplar(?), stained light brown with dark shellac or varnish. **Keys Holes System:** 0/6 holes bored at angle. **Physical Description:** Geometric line décor further decorated with leaf and vine carving and incised lines. **Measurement:** 39.2 cm. **Notes:** The upper 7.2 cm. of the instrument is wood without finish. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1461	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Poland **Materials:** Unidentified light wood, with brown stain. **Keys Holes System:** 1/6 holes. **Physical Description:** Bore mostly cylindrical, approximately 1.4 cm. near the 6th fingerhole terminating approximately 7.3 mm. The exterior reflects the tapering shape at the bottom although it expands back out to a bell-like shape. Decorated with bands of wood-stained areas. **Measurement:** 28.8 cm. **Notes:** The entire instrument is covered with a clear finish which seems to have worn off at the bell (it may have been standing upright in water or another liquid up to a little over 1 cm. in depth). Furthermore, using a wood-burning technique, the instrument is decorated with a repeating motif resembling a stylized heart. **Provenance:** Source not known. Digital image available
1462	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Mexico **Materials:** Dark charcoal, nearly black clay. **Keys Holes System:** 0/4 holes. **Physical Description:** Large bore terminated with a bell flare, and has 4 crudely perforated fingerholes, and is decorated above each fingerhole with a high relief design. **Measurement:** 26.6 cm. **Provenance:** Source not known. Digital image available
1463	**Instrument Type:** Fango-Fango (Nose Flute) **Maker Name:** Anonymous **Maker Place:** Tonga **Materials:** Bamboo. **Keys Holes System:** 1/5 holes, one of which is treated as an embouchure hole at either end. **Physical Description:** Tube closed at both ends by natural septum. Five wood-burned toneholes in one plane with one hole roughly equidistant from either end on the other side. **Measurement:** 45.5 cm. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1464	**Instrument Type:** Fango-Fango (Nose Flute) **Maker Name:** Anonymous **Maker Place:** Tonga **Materials:** Bamboo. **Keys Holes System:** 1/5 holes, one of which is treated as an embouchure hole at either end. **Physical Description:** Tube closed at both ends by natural septum. Five wood-burned toneholes in one plane with one hole roughly equidistant from either end on the other side. **Measurement:** 54.5 cm. **Provenance:** Source not known. Digital image available
1465	**Instrument Type:** Fango-Fango (Nose Flute) **Maker Name:** Anonymous **Maker Place:** Tonga **Materials:** Bamboo. **Keys Holes System:** 1/5 holes, one of which is treated as an embouchure hole at either end. **Physical Description:** Tube closed at both ends by natural septum. Five wood-burned toneholes in one plane with one hole roughly equidistant from either end on the other side. **Measurement:** 57.5 cm. **Provenance:** Source not known. Digital image available
1466	**Instrument Type:** Frula (Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Yugoslavia **Materials:** Unidentified wood, brass wire. **Keys Holes System:** 0/6 holes. **Physical Description:** The labium, or edge, which is at the rear, terminates in a flat or plane cut into the round exterior, about 4.7 cm. in length and contains the stamp. It terminates beneath in a decorative raised nub. **Measurement:** 35.2 cm. **Notes:** The instrument has an interesting decorative and possibly crack-preventative annealed brass wire binding. It consists of 1 long wire which is set into 8 grooves cut around the circumference and 1 long groove nearly the length of the instrument, the wire is multi-wrapped into each groove encircling the instrument and twisted between each such wrapping to track in the long groove parallel with the tube. At the lower end it finally terminates with a tight twist making a right angle turn where it is finally inserted into a lateral hole bored about 3 millimeters from the end. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1467	**Instrument Type:** Practice Chanter **Maker Name:** Anonymous **Maker Place:** Scotland **Materials:** Cocus, aluminum ferrules, plastic reed on copper staple. **Keys Holes System:** 1/7 holes. **Physical Description:** 2 sections. Standard practice chanter for Scottish Highland Pipes. **Measurement:** 48.3 cm. **Provenance:** Source not known. Digital image available
1468	**Instrument Type:** Whistle **Maker Name:** Anonymous **Maker Place:** United States **Materials:** Light wood, poplar(?). **Physical Description:** Closed at bottom. **Measurement:** 10.2 cm. **Provenance:** Source not known. Digital image available
1469	**Instrument Type:** Flute Head Joint **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** ca. 1872-1911 **Materials:** Cocus, silver disk in cap and ferrules. **Physical Description:** Cylindrical, tuning slide in head. **Measurement:** 23 cm. **Condition:** 2 cracks at socket. **Provenance:** Source not known. Digital image available
1470	**Instrument Type:** Piccolo in C or D-flat (Head Joint only) **Maker Name:** Anonymous **Maker Date:** late 19c **Materials:** Grenadilla, nickel silver ferrules. **Measurement:** 12.3 cm. **Provenance:** Source not known. Digital image available
1471	**Instrument Type:** Piccolo in C or D-flat (Upper Section only) **Maker Name:** Anonymous **Maker Date:** late 19c-early 20c **Materials:** Grenadilla, nickel silver rings, brass-lined. **Measurement:** 11.2 cm. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1472	**Instrument Type:** Bassoon (Single Reed Mouthpiece) **Maker Name:** Harry Bettoney **Maker Place:** Boston **Maker Date:** 1901-1907 **Materials:** Ebonite with silver-plated single screw ligature and mouthpiece cap. **Physical Description:** Standard single reed, bassoon mouthpiece. **Measurement:** 6.4 cm. in length, 6.5 cm. with cap. **Provenance:** Source not known. Digital image available
1473	**Instrument Type:** Bassoon **Maker Name:** Anonymous, possibly Saxon **Maker Date:** late 19c **Materials:** Maple, nickel silver keys and ferrules, ivory bell joint top ferrule, metal-lined boot joint sockets. **Keys Holes System:** 17 keys, post and rod. **Physical Description:** 4 sections (missing boot joint bottom cap), tuning slide in wing joint, plus a silver-plated brass music lyre holder on a wide oval flange added to the upper end of the wing joint. **Measurement:** 124.6 cm. **Case:** Case, of a slightly later date, marked Cundy-Bettoney, Co. **Condition:** Boot joint bottom cap missing. Boot joint bottom bow dented (flattened at bottom). Two cracks, boot joint socket bass side, and in bell socket. **Provenance:** Robert E. Sheldon, Washington, D.C., 1998.
1474	**Instrument Type:** Transverse Flute in A-flat (B-flat) **Maker Name:** Melody Flute Co. **Maker Place:** Laurel, Maryland **Maker Date:** ca. 1935-1947 **Materials:** Nickel plate over brass. **Keys Holes System:** 0/6 holes. **Physical Description:** See DCM 1295 and 1549-51. This instrument is basically an enlarged bore 6-holed fife with an embouchure barrel. It was offered in 2 keys, B-flat and C, so designated, but is actually in A-flat and B-flat. **Measurement:** 39.3 cm. **Notes:** Marketed as the Melody flute for amateur and young student usage. **Provenance:** Walter D. Lanahan, Laurel, Maryland, 1947. Digital image available

Unit Id	*Contents*
1475	**Instrument Type:** Flute in C **Maker Name:** Anonymous, English or American **Maker Date:** first half 19c **Materials:** Boxwood, stained dark brown, silver keys, ivory ferrules. Wood cap not original. **Keys Holes System:** 4 keys, saltspoon, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.62 cm. **Notes:** DCM ledger: "In the same case [with 1418], an Anonymous Boxwood (stained) flute, ivory rings, 4 silver cup keys in lugs." **Provenance:** Boston Antique Shop, Boston, 18 Oct. 1940. Obtained by the Boston shop from Mrs. Adelbert L. Huntington. DCM ledger: "From a Chaplin family of Albany. In family 108 years." See DCM 1418. Digital image available
1476	**Instrument Type:** Whistle Flute Toy **Maker Name:** Kenner Products Co. **Maker Place:** Cincinnati **Maker Date:** 1956 **Materials:** Styrine plastic, in red, yellow, and blue. **Physical Description:** 10 pipes, closed at bottom. See Notes. **Measurement:** 55.6 x 29.1 x 3.7 cm. **Notes:** A styrine plastic set of panpipes, closed bottom, over which is attached a blow-pipe unit joined with a gasket which admits air into one or more pipes, depending on the rotation of a perforated cardboard disk, "Music Disk" with brass bushing in center, which is set into motion between the 2 parts with a hand crank worm gear device. The instrument is supplied with instructions, 10 disks, and a color box. The box also contains a second such unit, marked "Blow a Tune," along with one "Blow a Tune" disk. **Condition:** Gear mechansim is stripped, and the bottom of "Blow a Tune" pipes appear to have been sawn off at an angle, purpose unknown. **Provenance:** Source not known.
1477	**Instrument Type:** Bassoon **Maker Name:** Wilhelm Heckel **Maker Place:** Biebrich **Maker Date:** late 19c **Materials:** Maple, nickel silver keys, ivory ferrule. **Keys Holes System:** Heckel System (modified). This instrument, having essentially all of the extra keywork of the average modern Heckel bassoon, was recently in service and it has had keywork both removed and added. **Physical Description:** 4 sections (missing boot joint bottom cap). **Measurement:** 132.4 cm. **Case:** With modern case. **Condition:** Missing boot joint bottom cap. **Provenance:** C. Lee Lachman, College Park, Maryland, 1996.

Unit Id	*Contents*
1478	**Instrument Type:** Flute in C **Maker Name:** Potter **Maker Place:** London **Maker Date:** ca. 1745-1823 **Materials:** Boxwood, silver keys, ivory ferrules, metal-lined head. **Keys Holes System:** 6 keys, pewter plugs over metal-lined holes, pin in block. Foot to C. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.8 cm. (without cap). **Notes:** Head joint cap and cork mechanism missing (original likely ivory). This flute may have had extra corps de rechange. **Condition:** Head joint, both sections, cracked, including bottom ferrule, but not center ferrule. The upper narrow gauge wooden sleeve of the barrel section is cracked and separated from its lower portion. The upper joint B-flat and G# key springs are missing. Lower body joint missing F key and block. Foot joint upper ferrule cracked and foot joint bottom ferrule missing 55 degrees of material. **Provenance:** Source not known. Digital image available
1479	**Instrument Type:** Soprano Sarrusophone in B-flat **Maker Name:** Buffet-Crampon **Maker Place:** Paris **Maker Date:** ca. 1920 **Materials:** Silver-plated. **Physical Description:** 1 section (missing bocal and lyre). **Measurement:** 61.9 cm. **Case:** Original case. **Condition:** Missing bocal and music lyre. **Provenance:** Mr. and Mrs. Ned Flesher, Gaylesburg, Illinois. Digital image available
1480	**Instrument Type:** Flute in C **Maker Name:** Potter **Maker Place:** London **Materials:** Boxwood, silver keys, ivory ferrules. **Keys Holes System:** 6 keys, foot to C, pewter plugs over metal-lined holes. Brass-lined pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.4 cm. (as is) **Condition:** Head joint, both sections, with severe cracks, full length. Cap and cork-setting mechanism missing. B-flat key thumb lever missing. F key missing brass linings for C# key. C# and C key finger levers missing. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1481	**Instrument Type:** Flute in C **Maker Name:** Potter **Maker Place:** London **Materials:** Boxwood, silver keys, ivory ferrules. **Keys Holes System:** 6 keys, foot to C, pewter plugs over metal-lined holes. Pin in block. **Physical Description:** 4 sections. **Measurement:** 46.6 cm. (as is) **Condition:** Head joint missing. Upper joint missing B-flat key and mounting block from a previous repair attempt. Right hand joint key missing although pin still in mount. Lower joint socket ivory ferrule missing, replaced with brass ferrule from an old repair. (See DCM 1633). **Provenance:** Source not known. Digital image available
1482	**Instrument Type:** Flute in C **Maker Name:** Andrew Kauffmann **Maker Place:** London **Maker Date:** a1807-1827 **Materials:** Ivory, with ivory cap and cork-setting mechanism, silver keys and ferrules. Head joint, tuning slide, partially lined with ivory. **Keys Holes System:** 8 keys, with very low profile modern style pad cups (round, flat), to low C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.6 cm. **Notes:** Each ferrule was originally secured with one or two silver pin(s) or dowel(s) finished flush with the materials on both ends. **Condition:** Head joint, upper sections, slightly cracked at its metal-lined (lower) end. Head joint barrel cracked full length, ferrule missing. Foot joint missing lower ferrule. **Provenance:** Source not known. Digital image available
1483	**Instrument Type:** Flute Body Tube **Maker Name:** The Armstrong Co. **Maker Place:** Elkhart, Indiana **Materials:** Silver-plate over brass. **Physical Description:** Tube showing drawn toneholes for museum display purpose. See DCM 1484. **Measurement:** 45.6 cm. **Provenance:** The Armstrong Co., Elkhart, Indiana, 1977. DCM 1483-1486 were gifts from The Armstrong Company and included a collection of brochures regarding the Murray System instruments. Digital image available

Unit Id	*Contents*
1484	**Instrument Type:** Flute Body Tube **Maker Name:** The Armstrong Co. **Maker Place:** Elkhart, Indiana **Materials:** Silver-plate over brass. **Physical Description:** Tube showing drawn toneholes for museum display purpose. See DCM 1483. **Measurement:** 45.6 cm. **Notes:** This instrument demonstrates further stages in the manufacturing process, including the application of 2 ribs with their posts, plus the D, low C#, and low C pilot holes drilled as the beginning of the tonehole drawing operation. **Provenance:** The Armstrong Co., Elkhart, Indiana, 1977. DCM 1483-1486 were gifts from The Armstrong Company and included a collection of brochures regarding the Murray System instruments. Digital image available
1485	**Instrument Type:** Flute in C **Maker Name:** The Armstrong Co. **Maker Place:** Elkhart, Indiana **Maker Date:** 1971 **Materials:** Silver-plate. **Keys Holes System:** All open standing keys, to low B, with three trill keys near head joint. Murray System prototype. **Physical Description:** 3 sections, cylindrical bore, metal flute having advanced Boehm principles. **Measurement:** 71.4 cm. **Provenance:** The Armstrong Co., Elkhart, Indiana, 1977. DCM 1483-1486 were gifts from The Armstrong Company and included a collection of brochures regarding the Murray System instruments. Digital image available
1486	**Instrument Type:** Flute in C **Maker Name:** Jack Moore, The Armstrong Co. **Maker Place:** Elkhart, Indiana **Maker Date:** 1972 **Materials:** Silver-plate. **Keys Holes System:** Murray system (mechanism of this instrument has been simplified over DCM 1485). **Physical Description:** 2 sections. Murray Flute, production model. **Measurement:** 67 cm. **Notes:** Built by Jack Moore. **Provenance:** The Armstrong Co., Elkhart, Indiana, 1977. DCM 1483-1486 were gifts from The Armstrong Company and included a collection of brochures regarding the Murray System instruments. Digital image available

Unit Id	*Contents*
1487	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Materials:** Bamboo. **Physical Description:** 16 pipes. **Measurement:** 24.9 x 16.2 x 8 cm. **Notes:** From a museum shop. Best image available. Some pipes stuck or glued in place. **Provenance:** David Shorey. Digital image available
1488	**Instrument Type:** Flute in ? **Maker Name:** Anonymous **Maker Date:** mid to late 19c **Materials:** Grenadilla, ivory upper head joint section. Nickel silver keys, ferrules, and end caps. **Keys Holes System:** 11 keys, modern style key cups, post and rod. **Physical Description:** 3 sections, tuning slide in head (no separate foot joint). **Measurement:** 70.6 cm. **Condition:** Head joint, both sections, cracked. Missing narrow ferrule on upper joint just below tenon. **Provenance:** Source not known. Digital image available
1489	**Instrument Type:** Xun (Vessel Flute) **Maker Name:** Anonymous **Maker Date:** date unknown (See Notes.) **Materials:** Unidentified stone. **Keys Holes System:** 5 lateral holes around circumference. **Physical Description:** Embouchure hole at top. Lemon-shaped with flat end. **Measurement:** 8 x 4.6 cm. **Notes:** With circular wooden stand, possibly rosewood, consisting of lower hollow round base on 4 short legs supporting a second and wider diameter retaining ring mounted on 4 legs. The stand appears to be a relatively recent addition. State ritual vessel flutes of this sort can date well before 1700 B.C., but they also have been produced quite recently. **Provenance:** Estate of Walter Piston, Belmont, Massachusetts, 1978. Digital image available
1490	**Instrument Type:** Double Ocarina **Maker Name:** Pamela Chamberlin; glaze by Dudley Smith **Maker Date:** ca. 1979 **Materials:** Clay. **Keys Holes System:** 4 holes on each side. **Physical Description:** Double fipple flute in shape of a potato knish. Divided chamber, duo fipples with 4 fingerholes on each side. One side decorated with bird, other with glaze. Two holes for carrying cord or neck strap. **Measurement:** 8.2 x 6.6 cm. **Provenance:** Pamela Chamberlin, 1979. Digital image available

Unit Id	*Contents*
1491	**Instrument Type:** Ocarina **Maker Name:** Pamela Chamberlin; glaze by Dudley Smith **Maker Date:** ca. 1979 **Materials:** Clay. **Keys Holes System:** 2 holes on each side. **Physical Description:** Double fipple flute, as DCM 1490, but with 2 fingerholes on each circle. Described by donor/maker as a "screamer." One side decorated with bird image. Other side decorated with design under glaze. Two holes for carrying cord or neckstrap. **Measurement:** 4.05 x 4.2 cm. **Provenance:** Pamela Chamberlin, 1979. Digital image available
1492	**Instrument Type:** Ocarina **Maker Name:** Pamela Chamberlin; glaze by Dudley Smith **Maker Date:** ca. 1979 **Materials:** Clay. **Keys Holes System:** 4 fingerholes, 2 on each side. **Physical Description:** Fipple flute, as DCM 1490. 4 fingerholes, 2 on each side. Two holes for carrying cord or neck strap. Decorated with bird image. **Measurement:** 4.6 x 5.25 cm. **Provenance:** Pamela Chamberlin, 1979. Digital image available
1493	**Instrument Type:** Flute Head Joint **Maker Name:** Raoul Fajardo **Maker Place:** San Marino, California **Maker Date:** ca. 1971 **Materials:** Fabric, with synthetic laminate, possibly a phenol derivative, terminating at the lower end with a sheet metal, nickel silver tenon. See Notes. **Physical Description:** Cylindrical tube. The rectangular embouchure barrel with rectangular embouchure hole appears to be formed from plastic tubing of unknown substance and is affixed to a curved plastic spacer, also rectangular, which forms a sandwich of manmade materials thick enough to make a proper embouchure undercutting. See DCM 1494. See Notes. **Measurement:** 21.75 cm. **Notes:** The combination head joint cap and cork element appears to be formed from plastic tubing not unlike the embouchure plate and maintains a seal at the lower end by means of a standard rubber O-ring. Affixed to it and formed from a pine dowel is a tapered wooden wedge or baffle wall which has the effect of altering the cylindrical bore to one incorporating the tapered or parabolic nature of the standard modern flute head joint. This is an experimental device opposite the embouchure hole and can be rotated approximately 40 degrees for the purpose of altering the instrument's playing characteristics. The amount of rotation is stopped by a lateral metal pin moving in a groove cut in the end of the head joint tubing. See DCM 1494 Notes. **Provenance:** Raoul Fajardo, San Marino, California, ca. 1971. Digital image available

Unit Id	*Contents*
1494	**Instrument Type:** Flute Head Joint **Maker Name:** Raoul Fajardo **Maker Place:** San Marino, California **Maker Date:** ca. 1971 **Materials:** See DCM 1493. **Physical Description:** The basic elements of this head joint are like DCM 1493 except that the embouchure barrel is circular and the spacer element under the rectangular plate is made from an entire plastic tube which encircles the inner tube. See Notes. **Measurement:** 20.7 cm. **Notes:** Like DCM 1493, the head has a tapered pine wooden wedge or baffle but which is glued into a predetermined position. The head cap/cork unit does not utilize a rubber O-ring, but instead terminates with a piece of actual cork slightly oversize in diameter to maintain a seal. When in place, the cap-cork unit is positioned about 3.4 millimeters beyond the upper or thicker end of the pine baffle, and a portion of the cork face is cut away to allow an airtight fit. Like DCM 1493, a pin and groove arrangement ensures a correct, but not adjustable, fit of those elements on this instrument. **Provenance:** Raoul Fajardo, San Marino, California, ca. 1971. Digital image available
1495	**Instrument Type:** Flute Head Joint **Maker Name:** Catherine Folkers **Maker Place:** Alexandria, Virginia **Maker Date:** 1985 **Materials:** Boxwood, light-colored, stained reddish brown. **Physical Description:** To accompany DCM 507. **Measurement:** 22.1 cm. (without cap) **Notes:** This head joint is meant to be a performance device to help preserve the original (DCM 507). It also attempts to approximate the original embouchure hole to an oval shape. Scanned with DCM 507; DCM 1495 on left, DCM 507 on right. **Provenance:** Catherine Folkers, Virginia, 1985, former Curator of the Dayton C. Miller Collection. Digital image available
1496	**Instrument Type:** Piccolo **Maker Name:** Anonymous **Maker Date:** late 19c-early 20c **Materials:** Cocus, nickel silver keys and ferrules. **Keys Holes System:** 6 keys, post and rod. **Physical Description:** 2 sections, tuning slide in head. **Measurement:** 30 cm. (as is) **Condition:** Missing the head joint cap and cork-setting mechanism. **Provenance:** Kevin LaVine, Washington, D.C., 1999, Music Specialist, Library of Congress. Digital image available

Unit Id	*Contents*
1497	**Instrument Type:** French Flageolet **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Boxwood, nickel silver ferrules, bone mouthpiece. **Keys Holes System:** 2/4 holes. **Physical Description:** 5 pieces, including body (fingerhole section), fipple, sponge chamber in 2 parts, mouthpiece. **Measurement:** 38.1 cm. **Condition:** Missing bottom ferrule. **Provenance:** Source not known.
1498	**Instrument Type:** Whistle **Maker Name:** Anonymous **Maker Date:** 20c **Materials:** Plastic. **Physical Description:** Red and white molded plastic in form of police whistle. **Measurement:** 11.05 cm. **Condition:** Missing ball. **Provenance:** Source not known.
1499	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** India **Maker Date:** 20c **Materials:** Bamboo, painted black, with pine block. **Keys Holes System:** 0/6 holes. **Measurement:** 37.3 cm. **Provenance:** Source not known. Digital image available
1500	**Instrument Type:** Combination Piccolo-Flageolet in C **Maker Name:** Anonymous, German? **Materials:** Grenadilla, bone flageolet mouthpiece, nickel silver keys and ferrules. **Keys Holes System:** 5 keys, modern style key cups, post and rod. **Physical Description:** 2 piece, the interchangeable flageolet head joint is in 2 sections, including sponge chamber. **Measurement:** 36.3 cm. (flageolet), 29.55 cm. (piccolo) **Condition:** The edge is quite crudely cut or it has been altered. The flageolet, upper section, cracked full length. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1501	**Instrument Type:** Flute in C **Maker Name:** Raymond Howard Willoughby **Maker Place:** Connecticut **Maker Date:** ca. 1900 **Materials:** Unidentified wood. **Keys Holes System:** See Physical Description. D# key [missing]. **Physical Description:** 1 piece. DCM ledger: "Experimental flute, of original design: Cylinder, 'keyless' pattern, has one key for D# and 9 open fingerholes properly spaced [for chromatic scale], graduated diameters, variously placed around the body to fit the finger-reaches." (See DCM 1415). **Measurement:** 63.1 cm. **Condition:** Crack at top of flute head. **Provenance:** Raymond R. Willoughby, Riverside, Rhode Island, 13 Aug. 1940. Digital image available
1502	**Instrument Type:** Flute in C **Maker Name:** Anonymous, possibly French **Maker Date:** late 19c **Materials:** Cocus, nickel silver keys and ferrules. **Keys Holes System:** 4 keys, modern style key cups, post and rod. **Physical Description:** 4 sections, tuning slide in partially lined head. **Measurement:** 59.7 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** Beste, place unknown, June 1933. Digital image available
1503	**Instrument Type:** Flute in C **Maker Name:** Alfred G. Badger **Maker Place:** New York **Maker Date:** 1845-1857 **Materials:** Cocus, silver keys and ferrules, metal-lined head. **Keys Holes System:** Boehm system, conical, nearly 1832 system, with Dorus G#. Pewter plugs over square metal plates for C#, C. Roller for low C. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 66.9 cm. **Condition:** Head joint, both sections, cracked. Crutch missing. **Provenance:** Source not known. Digital image available

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1504	**Instrument Type:** Flute in C **Maker Name:** Thomas Stanesby, junior **Maker Place:** London **Maker Date:** p1713-ca. 1754 **Materials:** Ivory, silver ferrules. **Keys Holes System:** 1 key (now missing), pin in block. **Physical Description:** 4 sections. See DCM 269. **Measurement:** 60.7 cm. (as is) **Condition:** One silver key missing, and silver disk end cap, very likely a combination in wood and silver, also missing. Also, missing ferrule (upper end), although the ferrule on DCM 269 (head joint) may pertain to this instrument. Foot joint missing both original ferrules. The upper ferrule has been replaced with another less decorative silver band. The pin block area has cracked away and is missing at the pin line. An old repair attempt involved cutting a fairly deep channel all around the baluster for the purpose of securing a wire which would pass through the key hole and serve as the fulcrum. **Provenance:** Source not known. Digital image available
1505	**Instrument Type:** Flute in C **Maker Name:** Firth Pond & Co. **Maker Place:** New York **Maker Date:** 1847/48-1863 **Materials:** Cocus(?), silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, to low C, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.7 cm. (as is) **Condition:** Head joint cap and cork-setting mechanism missing. Head joint, both sections, cracked. Lower body joint socket cracked to fingerhole 4. **Provenance:** Whitlock's Book Store, New Haven, Connecticut, June 1937. Digital image available
1506	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Rosewood, nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, modern style key cups, with pewter plugs over round metal plates for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.4 cm. **Condition:** Head joint, both sections, cracked. Long F key finger spatula broken off (approximately 2 centimeters from end). **Provenance:** W. S. Thomas, New York, 3 July 1935. Digital image available

Unit Id	*Contents*
1507	**Instrument Type:** Flute in C **Maker Name:** Metzler **Maker Place:** London **Maker Date:** turn of the 19c **Materials:** Boxwood, stained, silver key, ivory cap and ferrules. **Keys Holes System:** 1 key, original key square flat flap now missing. In its place is a folk-crafted replacement key made of unidentified metal, likely pewter. **Physical Description:** 4 sections. **Measurement:** 59.6 cm. **Condition:** The cap and foot joint upper ferrule appear original, the other 2 ferrules (head joint and lower body sockets) appear to be replacements, although possibly from the working period of the instrument. See Keys, Holes, etc. The socket is cracked in the lower body joint and one side of the key mount is cracked away at the pin point, and was likely replaced when the replacement key was made. Foot joint lower ferrule missing. **Provenance:** William Powell, Birmingham, England, 1 Apr. 1938. Digital image available
1508	**Instrument Type:** English Double Flageolet **Maker Name:** William Bainbridge **Maker Place:** London **Maker Date:** 1808-1831 **Materials:** Boxwood, silver keys, ivory ferrules and finger studs. **Keys Holes System:** Left tube: 1/7 holes plus 2 keys and a cutoff key on the fipple stock. Right tube: 0/5 holes plus 3 keys and a cutoff key on the fipple stock. Pin in block. **Physical Description:** 5 sections, with 2 tubes, fipple, and 2-part sponge chamber. **Measurement:** 37 cm. **Notes:** This instrument is slightly unusual in that the 2 tubes share a common wide ivory ferrule at the bottom, and, the fipple stock is on 2 sides, pre-cross pinned similar to English flutes and clarinets by the period. **Condition:** Missing original mouthpiece, lower sponge chamber section partially cracked and repaired with replacement ivory ring, possibly made by DCM. Fipple stock cracked near maker's mark. Left pipe missing little finger key, bottom duplex ferrule cracked between its 2 holes. One finger stud missing from right tube. Left pipe thumbhole plugged with cork, as was sometimes recommended by period tutors. **Provenance:** Source not known. Digital image available
1509	**Instrument Type:** Piccolo in C **Maker Name:** Anonymous **Maker Date:** 3rd quarter 19c **Materials:** Rosewood(?), wood cork-setting mechanism, nickel silver keys and ferrules. **Keys Holes System:** 6 keys, shallow saltspoon, pin in block. **Physical Description:** 2 sections, tuning slide in metal-lined head. **Measurement:** 30.5 cm. **Condition:** Bottom ferrule missing. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1510	**Instrument Type:** Piccolo in C **Maker Name:** Anonymous, likely American **Maker Date:** mid 19c **Materials:** Boxwood, stained dark brown, brass key. **Keys Holes System:** 1 key, round flap, pin in block. **Physical Description:** 2 sections. **Measurement:** 31.15 cm. **Condition:** Head cracked at socket. **Provenance:** Source not known. Digital image available
1511	**Instrument Type:** Xiao (Notched Flute) **Maker Name:** Anonymous, Chinese **Maker Date:** 20c **Materials:** Bamboo, stained black, top stopped with natural septum. **Keys Holes System:** 1/5 holes plus 2 tassel holes. **Measurement:** 60 cm. **Condition:** Crack at thumbhole and notch. **Provenance:** W. J. Reed, San Francisco, Sept. 1933. Digital image available
1512	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Maker Date:** 20c **Materials:** Bamboo, lacquered black, bone ferrules, and with green, white, and pink design. **Keys Holes System:** 0/6 holes, plus membrane hole, 2 tassel holes, plus 2 vent holes. **Physical Description:** See DCM 213a and 213b. **Measurement:** 59.4 cm. **Condition:** Cracked from top to upper vent hole. **Provenance:** Source not known. Digital image available
1513	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Maker Date:** 20c **Materials:** Bamboo, lacquered black, bone ferrules, and with green, white, and pink design. **Keys Holes System:** 0/6 holes, plus membrane hole, 2 tassel holes, plus 2 vent holes. **Physical Description:** See DCM 1512. **Measurement:** 59.2 cm. **Condition:** Cracks at upper fingerhole rank and at vent holes. Tip at foot cracked. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1514	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Maker Date:** 20c **Materials:** Bamboo, stained dark brown, bone ferrules at each end. **Keys Holes System:** 0/6 holes, plus membrane hole, 2 tassel holes, plus 2 vent holes. **Measurement:** 62.3 cm. **Condition:** Four cracks through fingerhole area plus 2 cracks opposite, on back. Upper ferrule missing. **Provenance:** Schmidt Brothers, Cleveland, Ohio, Nov. 1931. Digital image available
1515	**Instrument Type:** Fife in B-flat(?) **Maker Name:** Anonymous **Materials:** Grenadilla(?), nickel silver cap and ferrules. **Keys Holes System:** 0/7 holes. **Physical Description:** Conical. See DCM 649. **Measurement:** 37.7 cm. **Notes:** This instrument, although unstamped, is essentially the same as DCM 649. Although the source is unknown, it may also have been acquired from S. Koch. **Provenance:** Source not known. Digital image available
1516	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** late 19c **Materials:** Grenadilla, nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, modern style key cups, post and rod. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.6 cm. **Condition:** Head joint, barrel section, cracked. Lower joint tenon broken off entirely, currently stuck in foot joint socket. **Provenance:** R. W. Deering, Cleveland, Ohio.
1517	**Instrument Type:** Flute in C **Maker Name:** Rudall & Rose **Maker Place:** London **Maker Date:** 1824-1837 **Materials:** Rosewood(?), silver cap, keys, and ferrules, metal-lined head. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs over square plates for C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head, with Rudall & Rose patented automatic screw cap. **Measurement:** 66.4 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** Possibly Hugh Mellor, London, Sept. 1937. Digital image available

Unit Id	*Contents*
1518	**Instrument Type:** Flute in C **Maker Name:** I. Ziegler **Maker Place:** Vienna **Maker Date:** 1821-1850/51 **Materials:** Ebony, ivory head, nickel silver cork-setting mechanism, keys, and ferrules. **Keys Holes System:** 12 keys, foot to B, saltspoon, with pewter plugs over metal-lined holes for C#, C, and B. Pin in block. Metal-lined blocks and pinholes for E-flat, C#, C keys, and both B-flat levers. **Physical Description:** 3 sections, tuning slide in head. No separate foot joint. **Measurement:** 70.75 cm. **Notes:** Lower joint socket is encircled with a decorative animal horn ring underneath a nickel silver ring. All possibly original or an early repair attempt. **Condition:** Head joint, both sections, cracked entire length. Plaque detached. **Provenance:** Robert J. Shackleton, Louisville, Kentucky, 1933. Digital image available
1519	**Instrument Type:** Shakuhachi (Notched Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo, red lacquer inside, with horn uta-guchi. **Keys Holes System:** 1/4 holes. **Physical Description:** 1 piece, Kinko school, ni-shaku. **Measurement:** 60.5 cm. **Condition:** Crack on (back) thumbhole. **Provenance:** Source not known. Digital image available
1520	**Instrument Type:** Shakuhachi (Notched Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo, lacquered red inside with black lacquered string between fingerholes 1 and 2. Horn uta-guchi. **Keys Holes System:** 1/4 holes. **Physical Description:** 2 sections, Kinko style. **Measurement:** 54.5 cm.; Hassun 1.8 **Provenance:** Source not known. Digital image available
1521	**Instrument Type:** Feng Huang Xiao **Maker Name:** Anonymous, Chinese **Materials:** Bamboo, stained reddish brown, with bone tip at lower end. **Keys Holes System:** 1/5 holes plus 2 tassel holes. **Physical Description:** Top stopped with natural septum. **Measurement:** 54.1 cm. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1522	**Instrument Type:** Feng Huang Xiao **Maker Name:** Anonymous, Chinese **Materials:** Bamboo, stained brown, lacquered, with incised décor in red, white and green, depicting leaves and bird. Bone tip at lower end. **Keys Holes System:** 1/5 holes plus 2 tassel holes. **Physical Description:** Top stopped with natural septum. **Measurement:** 54.5 cm. **Condition:** Six cracks nearly full length. **Provenance:** Source not known. Digital image available
1523	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Materials:** Bamboo, stained brown, lacquered, with incised décor in red, green, and white, depicting leaves, flowers, and bird. **Keys Holes System:** 0/6 holes plus 2 tassel holes plus 2 vent holes. **Measurement:** 65.7 cm. **Condition:** Cracks at both ends. **Provenance:** Source not known. Digital image available
1524	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Materials:** Bamboo, stained brown, lacquered, with incised décor in red, green, and white, depicting leaves, flowers, and bird. **Keys Holes System:** 0/6 holes plus 2 tassel holes plus 2 vent holes. **Measurement:** 63.2 cm. **Provenance:** Source not known. Digital image available
1525	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Materials:** Bamboo, decorated in 24 places with string winding and black lacquer, with bone ferrules, and green tassel with pink and mauve beads. **Keys Holes System:** 0/6 holes plus membrane hole, 2 tassel holes, plus 2 vent holes. **Measurement:** 63.5 cm. **Condition:** Slight crack through part of principal rank toneholes. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1526	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Materials:** Bamboo, decorated in 24 places with string winding and black lacquer. Bone ferrules, and blue tassel. **Keys Holes System:** 0/6 holes plus membrane hole, 2 tassel holes, plus 2 vent holes. **Measurement:** 64.9 cm. **Condition:** Upper bone ferrule missing. **Provenance:** Source not known. Digital image available
1527	**Instrument Type:** Xiao (Vertical Whistle Flute) **Maker Name:** Anonymous, Chinese **Materials:** Bamboo, stained reddish brown, with lacquer, and incised decoration in red, green and white flowers. Bone mouthpiece and bottom ferrule. Red tassel. **Keys Holes System:** 0/6 holes plus membrane hole, 2 tassel holes, plus 2 vent holes. **Measurement:** 43.2 cm. **Provenance:** Source not known. Digital image available
1528	**Instrument Type:** Xiao (Vertical Whistle Flute) **Maker Name:** Anonymous, Chinese **Materials:** Bamboo, stained brown, with lacquer, and incised decoration in green and white floral and leaf pattern. Green tassel with gold bead. **Keys Holes System:** 0/6 holes plus membrane hole, 2 tassel holes, plus 2 vent holes. **Measurement:** 41.65 cm. **Provenance:** Source not known. Digital image available
1529	**Instrument Type:** Takebue (Transverse Flute) **Maker Name:** Anonymous, Japanese **Materials:** Bamboo, lacquered clay red inside, and decorated at the ends and in random places with windings of rattan over ferrules of black lacquer. **Keys Holes System:** 0/7 holes. **Measurement:** 40.45 cm. **Provenance:** Source not known. Digital image available
1530	**Instrument Type:** Seiteki or Minteki (Transverse Flute) **Maker Name:** Anonymous, Japanese **Materials:** Mottled bamboo, lacquered red inside, tapered wooden end pieces stained brown. Bone ferrules. **Keys Holes System:** 0/6 holes plus membrane hole plus 2 tassel holes. **Measurement:** 46.25 cm. **Provenance:** John T. Shiel, Walkden, near Manchester, England, 5 Dec. 1929. Digital image available

Unit Id	*Contents*
1531	**Instrument Type:** Flute in C **Maker Name:** J. A. & W. Geib **Maker Place:** New York **Maker Date:** 1818-1821 **Materials:** Boxwood(?), lightly stained, brass key, and ivory ferrules. **Keys Holes System:** 1 key, square flat flap. **Physical Description:** 4 sections. **Measurement:** 59.05 cm. **Condition:** Two cracks in lower body joint socket. The ivory ferrule also cracked in 2 places. **Provenance:** Norval Stewart, Binghamton, New York, 20 Jan. 1933. Digital image available
1532	**Instrument Type:** Flute in C **Maker Name:** William Hall & Son **Maker Place:** New York **Maker Date:** 1848-1858 **Materials:** Rosewood(?), nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 8 keys, modern keys cups, with pewter plugs over round metal plates for low C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.5 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** Source not known. Digital image available
1533	**Instrument Type:** Flute in C **Maker Name:** Edward Baack **Maker Place:** New York **Maker Date:** 1837-1872 **Materials:** Boxwood, stained dark brown, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 60.3 cm. **Condition:** Lower body joint cracked in 2 places. **Provenance:** Netter's Midwood Farm, Freehold, New Jersey, 24 Mar. 1930. Digital image available

Unit Id	*Contents*
1534	**Instrument Type:** Flute in C **Maker Name:** George Astor **Maker Place:** London **Maker Date:** ca. 1798 **Materials:** Boxwood, ivory cap, cork-setting mechanism, embouchure bushing (may not be original) and ferrules, silver keys, brass-lined head. **Keys Holes System:** 6 keys, pewter plugs over metal-lined holes, foot to C. Pin in brass-lined block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 67.3 cm. (without cap) **Notes:** The scribed lines along with stamped numbers 5 and 6 on the tuning slide indicate that this instrument may have had at least 3 corps de rechange, possibly 4, 5, and 6, the shorter, higher pitched sizes of six that may have been available at the time. **Condition:** Head joint, both sections, severely cracked. The upper section has a crack repair including 6 threaded brass cross pins which have not only failed, but the upper 3 pins have introduced a second crack. A third crack starts at the upper end and ends at the edge of the ivory embouchure bushing. The head joint upper section ferrule is missing and has been replaced by another very large donut-shaped ivory ferrule from another object, possibly a furniture object. Barrel ferrule missing. Upper body joint full length crack on one side, plus 2 other nearly full length cracks. The larger crack has a repair attempt using 6 threaded cross pins and one of the other cracks has 2 such pins. Lower body joint missing part of the F key block. Foot joint has 2 cracks, one of which has an attempted repair involving 4 threaded cross pins. E-flat key missing pewter plug rivet and the low C key bottom portion is broken off at the pin line. **Provenance:** George Fenno McDonaugh, New York, Nov. 1931. Digital image available
1535	**Instrument Type:** Flute in C **Maker Name:** Anonymous, English, possibly American **Maker Date:** early 19c **Materials:** Boxwood, bone end cap and ferrules, brass keys. **Keys Holes System:** 4 keys, square flat flaps. Fingerholes 2 and 5 are large, but not quite Nicholson size. **Physical Description:** 4 sections. **Measurement:** 59.8 cm. **Condition:** Lower body joint cracked at socket to fingerhole 4. F key is a replacement. **Provenance:** S. J. Sharron, Pittsfield, Massachusetts, 31 Jan. 1938. Digital image available

Unit Id	*Contents*
1536	**Instrument Type:** Flute in C **Maker Name:** Firth Hall & Pond **Maker Place:** New York **Maker Date:** 1833-1847 **Materials:** Wood, stained dark brown, silver keys, ivory ferrules. **Keys Holes System:** 4 keys, saltspoon, pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 62.7 cm. (as is) **Condition:** Head joint, both sections, cracked including ferrule. Missing cap and cork-setting mechanism (very likely ivory). **Provenance:** Source not known. Digital image available
1537	**Instrument Type:** Flute in C **Maker Name:** Firth, Son & Co. **Maker Place:** New York **Maker Date:** 1863-1867 **Materials:** Cocus(?), nickel silver cap cover, key, and ferrules. **Keys Holes System:** 1 key, round flat flap, modern style cup, pin in block. **Physical Description:** 4 sections. **Measurement:** 59 cm. **Notes:** The end cap is wooden covered with nickel silver, probably from the late 19th century, from a German or East European-made flute (Meyer, etc.). **Condition:** Head joint cracked at socket. Upper body joint fitted with nickel silver sheet metal ferrules or band, at upper shoulder, purpose not clear. Foot joint, one lug of the key mount apparently cracked away completely and was reattached. **Provenance:** Source not known. Digital image available
1538	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** late 19c-early 20c **Materials:** Cocus, nickel silver keys and ferrules. **Keys Holes System:** 6 keys, modern style key cups. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 59.7 cm. (without cap) **Condition:** Head cracked through embouchure. End cap missing. Barrel cracked. **Provenance:** A. Weaver, Cleveland, Ohio, Aug. 1936. Digital image available

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1539	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Cocus, nickel silver keys and ferrules. **Keys Holes System:** 8 keys, modern style key cups, with pewter plugs for low C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 64.4 cm. (without cap) **Condition:** Cap missing. Head joint, both sections, cracked. Short F block broken off on one side and replaced. **Provenance:** C. B. Gage, Wilkes-Barre, Pennsylvania, 3 Jan. 1928. Digital image available
1540	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Cocus, nickel silver keys. **Keys Holes System:** 6 keys, modern style key cups, post and rod mounts. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 59.3 cm. (as is) **Condition:** Head joint, both sections, cracked full length. Cap missing female thread portion for cork-setting mechanism. **Provenance:** Whitlock's Book Store, New Haven, Connecticut, July 1937. Digital image available
1541	**Instrument Type:** Flute in E-flat **Maker Name:** Astor **Maker Place:** London **Maker Date:** ca. 1778-ca. 1831 **Materials:** Boxwood, stained fairly dark, ivory or bone cap and ferrules, brass key. **Keys Holes System:** 1 key, square flat flap, pin in block. **Physical Description:** 4 sections, conical. **Measurement:** 49.65 cm. **Notes:** An inexpensive band flute from this maker. **Condition:** Head joint, six cracks in socket, ferrule missing. Lower body joint 2 cracks at upper end, ferrule cracked and missing approximately 15 degrees circumference. Foot joint missing bottom ferrule. **Provenance:** Halah, 4 Oct. 1938. Digital image available

Unit Id	*Contents*
1542	**Instrument Type:** Flute in C **Maker Name:** Firth Hall & Pond **Maker Place:** New York **Maker Date:** 1833-1847 **Materials:** Boxwood, stained brown, ivory cap and ferrules, brass key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 4 sections, conical. **Measurement:** 59.15 cm. **Condition:** Head joint, slight crack at socket. Upper body joint, upper tenon, shows a failed attempt at shortening the instrument, likely for a pitch change. Apparently a lower-positioned, hand-carved tenon was constructed and was broken either during or after the process, leaving the crude present tenon which is only 8.5 millimeters in length. **Provenance:** W. H. Wilkinson, Kansas City, Missouri, 28 Feb. 1934. Digital image available
1543	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Grenadilla, ivory head joint, silver cap, keys, ferrules, and sockets. **Keys Holes System:** 11 keys, modern style key cups, foot to B. **Physical Description:** 3 sections, tuning slide in head, no separate foot joint. **Measurement:** 70.8 cm. **Condition:** Major cracks in both portions of head joint. Upper joint upper tenon broken, missing 190 degrees of material. Upper joint, lower tenon, broken off and replaced with insert tenon that incorporates G# tonehole. Lower joint crack at socket. Head joint socket and lower joint socket both lined with nickel silver inside plus outer retaining decorative (one bead) ring. Usual style under which there is a tapered sheet metal nickel silver ferrule which fit well and appear professionally made, either original or a skillful repair attempt. **Provenance:** Source not known. Digital image available
1544	**Instrument Type:** Piccolo in C **Maker Name:** G. H. Hüller **Maker Place:** Schöneck **Maker Date:** 1883-p1950 **Materials:** Rosewood, ebonite upper head joint, nickel silver cap cover, keys, and ferrules, metal-lined head. **Keys Holes System:** 6 keys, round flaps, post and rod, direct mount. **Physical Description:** 2 sections, tuning slide in head with cork-setting mechanism. **Measurement:** 31.25 cm. **Provenance:** N. C. Godsoe, of Dickinson's Old Curiosity Shop, Boston, 21 May 1938. Digital image available

Unit Id	*Contents*
1545	**Instrument Type:** Piccolo in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Grenadilla, nickel silver end cap cover, keys, and ferrules. **Keys Holes System:** 6 keys, cone-shaped cups, post and rod (pin), direct mount. **Physical Description:** 2 sections, tuning slide in metal-lined head joint. **Measurement:** 30.7 cm. **Provenance:** Source not known, Jan. 1938. Digital image available
1546	**Instrument Type:** Flute in C **Maker Name:** Heinrich Friedrich Meyer **Maker Place:** Hannover **Maker Date:** likely turn of the 20c **Materials:** Cocus, ivory head joint, silver cap, keys, and ferrules. Metal-lined head joint, with wood cork-setting mechanism. **Keys Holes System:** 11 keys, modern style key cups, foot to B. Post and rod. **Physical Description:** 3 sections, tuning slide in head. No separate foot joint. **Measurement:** 70.95 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** J. A. Douglas, Anniston, Alabama, 30 June 1944. Digital image available
1547	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Cocus, ivory head joint, nickel silver keys and ferrules. **Keys Holes System:** 8 keys, modern style key cups, post and rod, direct mount. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 66.8 cm. **Condition:** Head joint, cracked on two sides. Bottom ferrule missing. **Provenance:** Source not known. Digital image available
1548	**Instrument Type:** Flute in C **Maker Name:** Nils Christensen **Maker Place:** Boston **Maker Date:** 1913-1934 **Materials:** Silver. **Keys Holes System:** Boehm system, open G#. Foot to C with roller. Soldered toneholes. All posts hard soldered directly to tube. **Measurement:** 67.35 cm. **Provenance:** Mrs. Donald Goodchild, Falls Church, Virginia, 26 Dec. 1951. Digital image available

Unit Id	*Contents*
1549	**Instrument Type:** Transverse Flute in A-flat (B-flat) **Maker Name:** Melody Flute Co. **Maker Place:** Laurel, Maryland **Maker Date:** ca. 1935-1947 **Materials:** Nickel plate over brass. **Keys Holes System:** 0/6 holes. **Physical Description:** 1 section. See DCM 1474. This instrument is basically an enlarged bore 6-holed fife with an embouchure barrel. It was offered in 2 keys, B-flat and C, so designated, but actually in A-flat and B-flat. **Measurement:** 39.3 cm. **Provenance:** Walter D. Lanahan, Laurel, Maryland, 4 Apr. 1947. Digital image available
1550	**Instrument Type:** Transverse Flute in A-flat (B-flat) **Maker Name:** Melody Flute Co. **Maker Place:** Laurel, Maryland **Maker Date:** ca. 1935-1947 **Materials:** Nickel plate over brass. **Keys Holes System:** 0/6 holes. **Physical Description:** 1 section. See DCM 1474. This instrument is basically an enlarged bore 6-holed fife with an embouchure barrel. It was offered in 2 keys, B-flat and C, so designated, but actually in A-flat and B-flat. **Measurement:** 39.3 cm. **Provenance:** Walter D. Lanahan, Laurel, Maryland, 4 Apr. 1947. Digital image available
1551	**Instrument Type:** Transverse Flute in B-flat **Maker Name:** Melody Flute Co. **Maker Place:** Laurel, Maryland **Maker Date:** ca. 1935-1947 **Materials:** Nickel plate over brass. **Keys Holes System:** 0/6 holes. **Physical Description:** See DCM 1295. This instrument has a lateral mouthpiece attached (soldered into position), directing the airstream at a straight edge. **Measurement:** 35.55 cm. **Provenance:** Walter D. Lanahan, Laurel, Maryland, 4 Apr. 1947. Digital image available

Unit Id	*Contents*
1552	**Instrument Type:** French Flageolet **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Unidentified wood, possibly boxwood, with animal horn ferrules (one of two is missing). **Keys Holes System:** 2/4 holes. **Physical Description:** 2 sections, head and body joints. **Measurement:** 19.1 cm. **Condition:** Head joint, cracked in 2 places, ferrule missing. Fipple edge damaged. Chips of horn broken off body joint ferrule. **Provenance:** Source not known. Digital image available
1553	**Instrument Type:** Piccolo in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Grenadilla, nickel silver keys and ferrules, metal-lined head. **Keys Holes System:** 6 keys, round, post and rod direct mount. **Physical Description:** 2 sections, tuning slide in metal-lined head. **Measurement:** 30.4 cm. (as is) **Condition:** Head joint cap and cork-setting mechanism missing. Head joint barrel cracked. Head joint upper ferrule missing. **Provenance:** Source not known. Digital image available
1554	**Instrument Type:** Shakuhachi (Notched Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** 20c **Materials:** Bamboo, lacquered black inside, horn ferrules and uta-guchi. **Keys Holes System:** 1/4 holes. **Physical Description:** 2 sections, Tozan style. **Measurement:** 55 cm.; Hassun 1.8 **Condition:** Both sections cracked. Insect damage. **Provenance:** W. Hans Moennig, Philadelphia, 3 July 1947. Digital image available
1555	**Instrument Type:** Shakuhachi (Notched Flute) **Maker Name:** Anonymous, Japanese **Maker Date:** 20c, or earlier **Materials:** Bamboo, red lacquer inside, horn uta-guchi. **Keys Holes System:** 1/4 holes. **Physical Description:** 1 piece, Meian style. **Measurement:** 53.2 cm.; Hassun 1.8 **Notes:** Probably the oldest shakuhachi in the Miller Collection. **Provenance:** Source not known. Digital image available

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1556	**Instrument Type:** Flute in C **Maker Name:** Chabrier de Peloubet **Maker Place:** Bloomfield, New Jersey **Maker Date:** 1836-ca. 1881 **Materials:** Cocus(?), or rosewood(?), with metal-lined ivory head. Silver keys and ferrules. Neither attribution, cocus or rosewood, may be correct. See "Conventions and Definitions," no. 7, Materials. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs over round metal plates for low C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.7 cm. **Condition:** Head joint, both sections, cracked. Ivory repaired with 2 silver ferrules. Middle joint missing long F key and part of block. Foot joint missing low C#, C, keys and portion of block for same, as well as bottom ferrule. **Provenance:** Source not known. Digital image available
1557	**Instrument Type:** Fife in A-flat **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Cocus, nickel silver end ferrules. **Keys Holes System:** 0/6 holes. **Measurement:** 41.5 cm. **Condition:** Embouchure hole damaged at both sides. Small gouges on tube. **Provenance:** Armand J. Barron, Los Angeles, 25 July 1947. Digital image available
1558	**Instrument Type:** Flute in C **Maker Name:** William Hall & Son **Maker Place:** New York **Maker Date:** 1848-1874 **Materials:** Boxwood, ivory cap with decorative dark wood center inlay, brass key, ivory ferrules. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 60.4 cm. **Condition:** Head joint, severely cracked at socket. Replacement brass ferrule at head joint socket. **Provenance:** Armand J. Barron, Los Angeles, 25 July 1947. Digital image available

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1559	**Instrument Type:** Vertical Whistle Flute in C **Maker Name:** Maker not identified **Maker Place:** Germany **Maker Date:** 20c **Materials:** Chrome plate over steel. **Keys Holes System:** 0/6 holes. **Physical Description:** Made of 2 thin sheet metal halves joined by interlocking folds on both sides. **Measurement:** 29.45 cm. **Provenance:** Source not known. Digital image available
1560	**Instrument Type:** Whistle Flute (Transverse) **Maker Name:** Anonymous **Materials:** Ceramic. **Keys Holes System:** No fingerholes. See Notes. **Physical Description:** Highly decorated under glaze with birds, floral motif, and multi-colored birds, flowers, and fruit. **Measurement:** 52.5 cm. **Notes:** May be only a decorative object. Tube is hollow, but without fingerholes. The open pipe sounds none of its partials with ease, although they are somewhat more playable with end stopped. **Provenance:** Source not known. Digital image available
1561	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous **Materials:** Bamboo. **Keys Holes System:** 0/6 holes, burned in. **Measurement:** 37.7 cm. **Provenance:** Rae Korson, Washington, 7 June 1946. Digital image available
1562	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Materials:** Bamboo. **Keys Holes System:** 0/4 holes, burned in, plus an extra hole the upper edge of which is situated about 6.2 centimeters beneath the labium edge, purpose unknown. Vent hole at lower end. **Measurement:** 37 cm. **Provenance:** Rae Korson, Washington, 7 June 1946. Digital image available

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1563	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous **Materials:** Plastic. **Keys Holes System:** 6 holes, randomly spaced, and extremely small (drill bit size 30, approximate diameter). **Physical Description:** Made of maroon plastic, with thin wall tubing, original purpose unknown, end closed with white plastic disk. Large and crudely carved embouchure hole. **Measurement:** 24 cm. **Provenance:** Source not known. Digital image available
1564	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Materials:** Bamboo, bark stripped off leaving partial flat surface. Bound with iron bailing wire which also attaches a wooden combination brace and name plaque. **Physical Description:** 4 pipes. See DCM 1565. **Measurement:** 9.35 cm. x 14 cm. x 4.55 cm. **Provenance:** Rae Korson, Washington, 7 June 1946. Digital image available
1565	**Instrument Type:** Panpipes **Maker Name:** Anonymous **Materials:** Bamboo, bark stripped off leaving partial flat surface. Bound with iron bailing wire which also attaches a wooden combination brace and name plaque. **Physical Description:** 10 pipes. See DCM 1564. **Measurement:** 15.3 cm. x 9.3 cm. x 7 cm. **Provenance:** Rae Korson, Washington, 7 June 1946. Digital image available
1566	**Instrument Type:** Clarinet in B-flat **Maker Name:** Theodore Berteling **Maker Place:** New York **Maker Date:** 1859-p1920 **Materials:** Cocus, nickel silver keys and ferrules. **Keys Holes System:** 13 keys, modern style key cups plus 2 rings for B-F# resonance hole. **Physical Description:** 3 sections plus barrel. **Measurement:** 60.5 cm. (as is) **Condition:** Without mouthpiece. Cap possibly original. Barrel upper ferrule missing. Upper joint cracked at top at register key post. Bell, bottom ferrule missing. **Provenance:** Possibly Gamaliel W. Beaman, Princeton, Massachusetts, 26 Sept. 1927. Digital image available

Unit Id	*Contents*
1567	**Instrument Type:** Clarinet in B-flat **Maker Name:** Eduard Adler **Maker Place:** Grünberg / Schlesien **Maker Date:** last quarter 19c **Materials:** Boxwood, cocus mouthpiece, brass keys and ferrules. **Keys Holes System:** 12 keys, simple system, modern style key cups, pin in block. **Physical Description:** 4 sections plus mouthpiece. **Measurement:** 66.8 cm. **Condition:** Barrel cracked. Ferrule missing from upper barrel section. Lower joint missing upper brass ferrule. Bell cracked. **Provenance:** Schmidt Bros., Cleveland, Ohio, 6 Nov. 1931. Digital image available
1568	**Instrument Type:** Clarinet in B-flat or A **Maker Name:** John Cramer **Maker Place:** London **Maker Date:** ca. 1790-a1805, 1816-1820, likely from the later working period **Materials:** Boxwood, brass keys, ivory ferrules. **Keys Holes System:** 8 keys, square flaps, pin in block. **Physical Description:** Originally 4 sections, now 3 sections: barrel, upper and lower sections. Middle and lower joint are one piece, allowing the unusual (but acoustically proper) placement of the G#/D# key. **Measurement:** 49.7 cm. (as is). **Condition:** Missing mouthpiece and bell. B/F# vent key missing finger spatula. **Provenance:** William Powell, Birmingham, England, Nov. 1927. Digital image available
1569	**Instrument Type:** Clarinet in A **Maker Name:** Possibly distributed or made by Merklein **Maker Place:** Vienna **Maker Date:** middle of first quarter 19c **Materials:** Boxwood, cocus mouthpiece, brass keys, animal horn ferrules. **Keys Holes System:** 12 keys, modern style key cups, in brass-lined wood blocks. **Physical Description:** 4 sections. **Measurement:** 66 cm. (with mouthpiece). **Notes:** Integral boxwood thumb rest. **Condition:** Mouthpiece appropriate, possibly not original. **Provenance:** Schmidt Bros., Cleveland, Ohio, 6 Nov. 1931. Digital image available

Unit Id	*Contents*
1570	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** late 19c **Materials:** Cocus(?), nickel silver keys and ferrules. **Keys Holes System:** 14 keys including F# vent key 4th finger right hand and left thumb alternate G#. Ebonite roller on low C. **Physical Description:** 3 sections, tuning slide in head. No separate foot joint. **Measurement:** 71.8 cm. **Condition:** Head joint, both sections, cracked. Missing oval plaque. Missing lower ferrule on lower joint. **Provenance:** Philip N. Jenner, 29 Sept. 1956. Digital image available
1571	**Instrument Type:** Haidi (Double Reed) **Maker Name:** Anonymous, Chinese **Maker Date:** 20c **Materials:** Redwood, double reed of cane, brass staple-pirouette. **Keys Holes System:** 1/7 holes. **Physical Description:** See DCM 17. **Measurement:** 27.1 cm. **Condition:** Missing bell. **Provenance:** Source not known. Digital image available
1572	**Instrument Type:** Flute **Maker Name:** Anonymous, Germanic in style, although it may be from an American maker **Maker Date:** 19c **Materials:** Boxwood, brass keys, black horn ferrules. **Keys Holes System:** 4 keys, modern style key cups, pin in block. **Physical Description:** 4 sections. **Measurement:** 58.95 cm. **Condition:** Head joint lower ferrule missing 2 chips of material. Lower body joint cracked at socket, the ferrule for it was cracked in 3 places, resulting now in a lost portion, approximately 60 degrees. Chip missing from foot joint upper ferrule. **Provenance:** Harold Gabrielsky, Hoboken, New Jersey, 30 June 1954. Digital image available

Unit Id	*Contents*
1573	**Instrument Type:** Zummāra (Double Pipe with Idioglottal Reeds) **Maker Name:** Anonymous **Maker Place:** Egypt **Maker Date:** 20c **Materials:** Bamboo pipes bound with string. **Keys Holes System:** 0/6 holes (both pipes). **Physical Description:** Standard Egyptian double pipe, each pipe made in one large section containing 6 roughly equidistant fingerholes. Topped by a short bamboo conduit pipe which in turn takes the bamboo idioglottal reeds. The 2 pipes and upper sections are lashed together. See DCM 1574. **Measurement:** 39.15 cm. **Notes:** String also attached to the removable reeds. **Provenance:** Source not known. Digital image available
1574	**Instrument Type:** Argul (Double Pipe with Idioglottal Reeds) **Maker Name:** Anonymous **Maker Place:** Egypt **Maker Date:** 20c **Materials:** Bamboo, string. **Keys Holes System:** 0/6 holes (left tube). **Physical Description:** See DCM 1573. This is an Egyptian double pipe containing fingerholes (right pipe), none for the left (serves as a drone). **Measurement:** 31.9 cm. (reeds missing). **Condition:** Top section likely missing from each pipe. **Provenance:** Source not known. Digital image available
1575	**Instrument Type:** Fife in B-flat **Maker Name:** Anonymous **Maker Date:** second half 19c **Materials:** Nickel silver. **Keys Holes System:** 0/6 holes (with chimneys). **Physical Description:** Despite a large embouchure barrel and 4 decorative beaded ferrules, soft-soldered over the tube, and implying it to be made in sections, it appears to be a one-piece instrument. **Measurement:** 37.8 cm. **Condition:** The instrument appears to have been bent just beneath the embouchure barrel, and then partially straightened, but this has opened a portion of the seam, which has been repaired with a nickel silver patch. **Provenance:** C. C. Vogenitz, Akron, Ohio, 13 Jan. 1955. Digital image available

Unit Id	*Contents*
1576	**Instrument Type:** Nay (End-Blown Flute) **Maker Name:** Anonymous **Maker Place:** Tunisia **Maker Date:** 20c **Materials:** Cane. **Keys Holes System:** 1/6 holes, burned in. **Measurement:** 61.5 cm. **Provenance:** M. El Mahdi, Tunisia, 27 Nov. 1959. Digital image available
1577	**Instrument Type:** Nay (End-blown Flute) **Maker Name:** Anonymous **Maker Place:** Tunisia **Maker Date:** 20c **Materials:** Plastic. **Keys Holes System:** 1/6 holes. **Physical Description:** Cylindrical tube. **Measurement:** 61.5 cm. **Provenance:** M. El Mahdi, Tunisia, 27 Nov. 1959. Digital image available
1578	**Instrument Type:** Flute in C **Maker Name:** George Nicholas Munger **Maker Place:** New Haven **Maker Date:** ca. 1840-1843 **Materials:** Cocus, ivory head, nickel silver cap, head joint socket lining, keys, and ferrules. **Keys Holes System:** 8 keys, to low C, saltspoon, with pewter plugs over square plates for D#, C#, and C. **Physical Description:** 4 sections, tuning slide in head. Two head joints. **Measurement:** 66.7 cm. (both head joints) **Notes:** One head joint (low pitch) not marked. Cocus barrel with turned beads, closely spaced, the full length, similar to Scottish bagpipe décor. **Condition:** Head joints, both sections, cracked. The unmarked head joint upper section metal lining has been rotated out of alignment. **Provenance:** W. S. Delford, Sept. 1943.
1579	**Instrument Type:** Svirala (Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Yugoslavia **Maker Date:** 20c **Materials:** Wood. **Keys Holes System:** 0/6 holes. **Physical Description:** See DCM 1580, 1581. Varnished blond wood pipe with square exterior. Fingerholes burned in, and carved with décor on fingerhole flat only. **Measurement:** 30.9 cm. **Provenance:** Spofford Whiting, New York, 5 Nov. 1954. Digital image available

Unit Id	*Contents*
1580	**Instrument Type:** Dvojnice (Double Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Yugoslavia **Maker Date:** 20c **Materials:** Wood. **Keys Holes System:** Right pipe: 0/4 holes; left pipe: 0/3 holes. **Physical Description:** See DCM 1579, 1581. Varnished blond wood pipe with square exterior. Fingerholes burned in, and carved with décor on fingerhole flat only. **Measurement:** 34.2 cm. **Provenance:** Spofford Whiting, New York, 5 Nov. 1954. Digital image available
1581	**Instrument Type:** Dvojnice (Double Vertical Whistle Flute) **Maker Name:** Anonymous **Maker Place:** Yugoslavia **Maker Date:** 20c **Materials:** Wood. **Keys Holes System:** Right pipe: 0/4 holes; left pipe: 0/3 holes. **Physical Description:** See DCM 1579, 1580. Varnished blond wood pipe with rounded exterior. Fingerholes burned in, and elaborately carved with décor on fingerhole area only. **Measurement:** 32.8 cm. **Provenance:** Spofford Whiting, New York, 5 Nov. 1954. Digital image available
1582	**Instrument Type:** Flute in C **Maker Name:** Potter **Maker Place:** London **Maker Date:** ca. 1785-1800 **Materials:** Ebony(?), silver keys, ivory cork-setting mechanism, ferrules, cap (missing). **Keys Holes System:** 6 keys, originally pewter plugs over metal-lined holes, foot to C. **Physical Description:** 4 sections. This instrument may have had 3 interchangable upper joints; nos. 4, 5, 6. The instrument has no. 6, likely the shortest. **Measurement:** 65.25 cm. (as is) **Notes:** The embouchure hole is unusually rectangular for this sort of head joint, likely not original. **Condition:** Head joint cap partially broken off and missing. Upper body joint keys missing pewter plugs, each key plug has been replaced with a flat metal disk intended to take a flat leather pad. F key is a replacement incorporating an early post and rod mechanism. The tenon is a stained boxwood replacement. Foot joint E-flat key pewter plug missing and replaced with a flat metal disk. C# key block broken off on one side. Low C key block and adjacent wood broken off, later reattached with glue. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1583	**Instrument Type:** Piccolo in C **Maker Name:** Felix Bour **Maker Place:** Chicago **Maker Date:** 1905-1910 **Materials:** Grenadilla, silver keys and ferrules. **Keys Holes System:** Boehm system, open G#. **Physical Description:** 2 sections, with partial metal lining in head. **Measurement:** 31.7 cm. **Condition:** Body joint tenon appears to have been replaced and secured with 4 screws, countersunk, filled in with stick shellac. A nickel silver inner tube has been introduced as part of the repair. **Provenance:** Ernest F. Wagner, Merrick, New York, 28 Nov. 1952. Played by the donor from 1890-1944 (in the New York Philharmonic Orchestra from 1910-1944). Digital image available
1584	**Instrument Type:** Flute in C **Maker Name:** Moritz-Max Mönnig **Maker Place:** Leipzig **Maker Date:** ca. 1930 **Materials:** Grenadilla, silver head, keys, and ferrules. Ebonite Schwedlermundloch. **Keys Holes System:** Schwedler reform system, later pattern. See DCM 62, for similar key design description. Double toneholes for first 5 fingers, automatic. In addition to DCM 62, this model also offers F for the first finger right hand roller mechanism, plus, the usual long and short F key, and low D-natural vent key. **Physical Description:** 3 sections, conical. See DCM 62 regarding embouchure plate description. **Measurement:** 70.6 cm. **Condition:** Small crack at foot joint socket. **Provenance:** Alois J. Schardt, Los Angeles, Aug. 1957. Digital image available
1585	**Instrument Type:** Flute in C, Left-Handed(?) **Maker Name:** Firth Pond & Co. **Maker Place:** New York **Maker Date:** 1847/48-1863 **Materials:** Cocus(?), nickel silver key, ivory ferrules, plus a pewter clamp-on embouchure mouthpiece. See Notes. **Keys Holes System:** 1 key, flat round flap, pin in block. **Physical Description:** 4 sections. See Notes. **Measurement:** 60 cm. (without cap). **Notes:** It is not known if this instrument was received with the mouthpiece affixed to it. If so, and if fixed in its current position, this instrument was used as such by a left-handed flutist. (The foot joint containing the E-flat key needs only to be rotated about 80 degrees to accommodate a left-handed player). The mouthpiece is more elaborate than the norm in that it includes a hinged design for more convenient application. **Condition:** Missing head joint cap. Lower body joint crack at socket, including the ivory ferrule. The 2 foot joint ferrules are cracked and a portion of the key block is missing. **Provenance:** C. W. Shaver, 24 Apr. 1947. Digital image available

Unit Id	*Contents*
1586	**Instrument Type:** Flute in C **Maker Name:** Heinrich Friedrich Meyer **Maker Place:** Hannover **Maker Date:** 1848-early 20c **Materials:** Grenadilla, ivory head joint, nickel silver end cap, keys, and ferrules. **Keys Holes System:** 11 keys, foot to B. Post and rod mounted on inlaid oval flanges. **Physical Description:** 3 sections, tuning slide in metal-lined head. **Measurement:** 70.3 cm. **Condition:** Head joint, both sections, cracked. **Provenance:** Carl L. Dietrich, Columbia, Maryland, 14 Jan. 1987. Digital image available
1587	**Instrument Type:** Flute in C **Maker Name:** Anonymous, English or American **Materials:** Cocus, nickel silver lip plate ferrule, keys, and ferrules. **Keys Holes System:** 5 keys, post and rod, direct mount. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 59 cm. **Condition:** Head joint, upper section, cracked. Head joint cap losses around entire circumference. Right hand joint cracked at socket leading into G# tonehole seat. Upper C key finger spatula broken off at hinge tube. **Provenance:** Source not known. Digital image available
1588	**Instrument Type:** Alto Flute in G **Maker Name:** Theobald Boehm, Carl Mendler, James S. Wilkins, Jr. **Maker Place:** Munich **Maker Date:** 1871-1873 **Materials:** Nickel silver. **Keys Holes System:** Boehm system, open G#, Schleif key, roller for C. Right hand thumb hook. **Physical Description:** 3 sections. **Measurement:** 86.5 cm. **Notes:** The rectangular name plaque on the barrel appears likely to have been added by Tucker, in 1925, and stating what he may have understood to be the correct maker attribution. See "Flute Misnomers" regarding Bass vs. Alto. **Condition:** Missing embouchure plate. **Provenance:** James A. Stewart, Wellsville, New York, 16 Apr. 1960. Digital image available

Unit Id	*Contents*
1589	**Instrument Type:** Fife **Maker Name:** Hérouard **Maker Place:** Paris **Maker Date:** second half 19c **Materials:** Boxwood, brass end ferrules. **Keys Holes System:** 0/6 holes. **Measurement:** 33.05 cm. **Notes:** Brass end ferrules not tapered. **Condition:** Warped. Crack between fingerholes 6 and 3. **Provenance:** Source not known. Digital image available
1590	**Instrument Type:** Kuan (Double Reed Pipe) **Maker Name:** Anonymous, Chinese **Materials:** Bamboo. **Keys Holes System:** 1/7 holes. **Measurement:** 19.7 cm. **Condition:** Cracked entire length. **Provenance:** Source not known. Digital image available
1591	**Instrument Type:** Piccolo in C **Maker Name:** William Camp **Maker Place:** London **Maker Date:** 1837-1879 **Materials:** Cocus, silver veneered wooden end cap, wooden cork-setting mechanism, silver keys and ferrules. **Keys Holes System:** 6 keys, saltspoon, pin in block. **Physical Description:** 2 sections, tuning slide in metal-lined head. **Measurement:** 31.3 cm. **Notes:** This instrument is unusual in that the E-flat key shifts the operating lever all the way up the tube for the left thumb, possibly made for a player missing the right hand little finger. **Condition:** Head joint, both sections, cracked. The long F key and block is broken off and missing. **Provenance:** A. J. Blencoe, Geneva, Illinois, 10 Jan. 1961. Digital image available
1592	**Instrument Type:** Flute in C **Maker Name:** Anonymous, English **Maker Date:** early 19c **Materials:** Boxwood, ivory(?) cap and ferrules, nickel silver key. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 59.8 cm. **Condition:** Lower body joint warped. Key is not original, but a replacement. **Provenance:** A. J. Blencoe, Geneva, Illinois, 10 Jan. 1961. Digital image available

Unit Id	*Contents*
1593	**Instrument Type:** Flute in C **Maker Name:** Alfred G. Badger **Maker Place:** Buffalo **Maker Date:** 1838-1842 **Materials:** Cocus(?), silver keys and ferrules, metal-lined head. **Keys Holes System:** 6 keys, saltspoon, foot to C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 65.6 cm. **Condition:** Head joint, both sections, cracked. Upper body cracked full length running through G# tonehole. Lower body crack in socket all the way to F key block. Foot joint crack in socket. The G# key along with its block, appears to be a replacement, there being a mortice where it had been applied with adhesive. Similarly, the B-flat key may be original but its present block is also a replacement glued with a mortice. The crack problem has been addressed with some interesting folk repair work, including 3 silver ferrules. Additionally, the lower tenon has an inner ferrule of nickel silver and the upper tenon, seen from the end, is a double layer. **Provenance:** A. J. Blencoe, Geneva, Illinois, 10 Jan. 1961. Digital image available
1594	**Instrument Type:** French Flageolet **Maker Name:** Riviere & Hawkes **Maker Place:** London **Maker Date:** 1876-1889 **Materials:** Cocus, nickel silver keys and ferrules. Beak of plastic or celluloid. **Keys Holes System:** 2/4 holes plus 5 keys, the upper thumbhole is bushed with nickel silver. Modern post and rod style keys, 2 on the fingerhole joint, 3 on the fipple section. The cast or machined key mount for the 2 long keys is a solid nickel silver block and serves as both fulcrum and alignment guide and is silver soldered to the lower fipple joint ferrule. **Physical Description:** 5 sections, including fingerhole sections, fipple sections with 3 keys, sponge chamber in 2 sections, and mouthpiece. **Measurement:** 36 cm. **Notes:** See DCM 430. **Condition:** Bottom ferrule missing. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1595	**Instrument Type:** Combination Piccolo-Flageolet in C **Maker Name:** Anonymous **Maker Place:** Germany **Maker Date:** 19c **Materials:** Grenadilla, ivory mouthpiece, nickel silver keys and ferrules. **Keys Holes System:** 6 keys, modern style key cups, post and rod. **Physical Description:** The 1-piece body contains an inner brass tube at the upper end which is the socket for either interchangeable head joint which attaches with a corresponding brass tube also functioning as the tuning slide. The flageolet head is in 2 parts, fipple and sponge chamber. **Measurement:** 31.3 cm. (piccolo) ; 40.05 cm. (flageolet). **Notes:** Detachable ivory mouthpiece on flageolet head joint. **Condition:** Body section missing upper ferrule. Piccolo head joint missing lower ferrule. Body section cracked at upper end. Flageolet head joint cracked, lower section. **Provenance:** Source not known. Digital image available
1596	**Instrument Type:** Flute in C **Maker Name:** Dayton C. Miller; (William Meinel, William R. Meinell, junior?) **Maker Place:** Cleveland, Ohio; New York **Maker Date:** 1904; 1874-ca. 1907 **Materials:** Silver. **Keys Holes System:** Boehm system, foot to C. **Measurement:** 64.35 cm. **Notes:** Original head joint is missing, and may have contained the maker's mark. Present head joint made by DCM. Original body and foot likely from the workshop of either William Meinel, or William R. Meinell, junior. **Provenance:** Source not known. Digital image available
1597	**Instrument Type:** Flute in C **Maker Name:** William Sherman Haynes **Maker Place:** Boston **Maker Date:** 1907 **Materials:** Grenadilla, silver-plated keys, nickel-silver tuning slide. **Keys Holes System:** Boehm system, closed G#, rollers for low C#, C. **Physical Description:** Cylindrical, with partially lined tuning slide. **Measurement:** 67.5 cm. **Notes:** Silver plate on head: CLEVELAND 1917 / LIVERPOOL ENG. 1918 / ST. MIHIEL / ARGONNE / VERDUN / THIACOURT / VIGNEULLES NOV. 11 . 1918 / BREST 1919 / CLEVELAND 1919 / PRESENT TO / DAYTON C. MILLER / COLLECTION / AT DEATH OF / JAMES H. DOLING. **Condition:** Head joint crack at socket, filled. **Provenance:** Source not known.

Unit Id	*Contents*
1598	**Instrument Type:** Band Flute in A-flat (B-flat) **Maker Name:** Anonymous **Maker Place:** London **Materials:** Cocus(?), nickel silver key and ferrules. **Keys Holes System:** 1 key, post and rod, direct mount. **Measurement:** 42 cm. **Condition:** Head joint, lower ferrule, missing. Body joint ferrule cracked. Key, missing, although the hinge tube (solder has failed) is missing. **Provenance:** Robert I. Weil, Villanova, Pennsylvania, May/June 1998. Digital image available
1599	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Place:** Ireland **Maker Date:** 1970s **Materials:** Grenadilla, brass lip plate ferrule, head joint liner and brass-lined head joint, and ferrules. **Keys Holes System:** 0/6 holes, of varying size, holes 4 and 5 are quite large. **Physical Description:** 3 sections, tuning slide in metal-lined head. Conical, but with large bore. **Measurement:** 58.5 cm. **Notes:** A typical Irish dance band instrument. **Case:** Wood case and swab. **Condition:** Head joint, upper section, cracked. **Provenance:** Robert I. Weil, Villanova, Pennsylvania, May/June 1998. Digital image available
1600	**Instrument Type:** Whistle **Maker Name:** Oscar Mayer, distributor **Maker Place:** United States **Maker Date:** 20c **Materials:** Red styrene plastic, with yellow band and distinctive Oscar Mayer logo. **Keys Holes System:** 0/1 hole. **Physical Description:** Wiener whistle. **Measurement:** 5.35 cm. **Notes:** This instrument sometimes specified in PDQ Bach works. **Condition:** Slight crack near edge. **Provenance:** Source not known.
1601	**Instrument Type:** Kazoo **Maker Name:** U.S.A. **Materials:** Blue styrene plastic with red membrane cover, marked in white. **Physical Description:** Standard American model kazoo. **Measurement:** 11.85 cm. **Notes:** Accompanies the book, "How to Kazoo," a comic parody tutor, by Barbara Stewart. **Provenance:** Barbara Stewart, Rochester, New York.

Unit Id	*Contents*
1602	**Instrument Type:** Piccolo in E-flat (Body Joints only) **Maker Name:** Anonymous **Materials:** Boxwood, brass key, ivory ferrules. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 3 sections only, missing head joint. **Measurement:** 16.65 cm. (as is). **Notes:** An unusual piccolo originally in 4 joints although the head joint is missing. The upper body joint is marked "3" indicating there may have been interchangeable upper joints. **Condition:** Head joint missing, other upper body joint possibly missing. **Provenance:** Source not known. Digital image available
1603	**Instrument Type:** Flute Swab, Double-Headed **Maker Name:** Anonymous **Materials:** Ebony(?) shaft, and silver mounting ferrules each secured with a silver pin. Small head made of green plush material. Larger in green, yellow, and red. **Physical Description:** Small tapered swab head, likely for a piccolo. The larger head, for concert flute. **Measurement:** 40.2 cm. **Provenance:** Source not known. Digital image available
1604	**Instrument Type:** Flute Swab **Maker Name:** Anonymous **Materials:** Steel. **Physical Description:** Steel, with twisted handle and purple yarn swab head. Originally the entire handle was wound with purple thread, two-thirds of which is now missing. **Measurement:** 61.1 cm. **Provenance:** Source not known. Digital image available
1605	**Instrument Type:** Suling (Vertical Whistle Flute) **Maker Name:** Anonymous **Materials:** Bamboo, fipple ferrule appears to be paper (unravelling now), but likely not original. **Keys Holes System:** 0/6 holes. **Measurement:** 59.4 cm. **Provenance:** Source not known. Digital image available
1606	**Instrument Type:** Nay (End-Blown Flute) **Maker Name:** Anonymous **Maker Date:** 20c **Materials:** Bamboo tube, iron binding wire in three places. **Keys Holes System:** 0/6 holes, relatively large diameter holes in 2 groups of 3. **Physical Description:** Incised diamond designs. See DCM 560, 561. **Measurement:** 32.45 cm. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1607	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** Taiwan **Maker Date:** 20c **Materials:** Bamboo tube, with edge and block whistle. **Keys Holes System:** 0/4 holes. **Physical Description:** Decorated with dragon stencil image, probably made for tourist sales. **Measurement:** 22.75 cm. **Provenance:** Source not known. Digital image available
1608	**Instrument Type:** Flute in A-flat **Maker Name:** Barnett Samuel **Maker Place:** London **Maker Date:** 1832-p1920 **Materials:** Cocus, nickel silver keys and ferrules. **Keys Holes System:** 6 keys, shallow saltspoon cups, post and rod, direct mount. **Physical Description:** 2 sections, conical. **Measurement:** 38 cm. **Condition:** Head joint upper ferrule seam is open. **Provenance:** Source not known. Digital image available
1609	**Instrument Type:** Flute Swab **Maker Name:** Anonymous **Materials:** Mahogony(?) handle, black yarn swab head. **Measurement:** 33.4 cm. **Provenance:** Source not known. Digital image available
1610	**Instrument Type:** Zummāra (Double Pipes, Single Reeds) **Maker Name:** Anonymous **Maker Place:** Near East **Materials:** Cane. **Keys Holes System:** 0/6 holes on each tube. **Physical Description:** Two parallel tubes, see DCM 100, 291, 1573. **Measurement:** 23.7 cm. **Condition:** Right pipe with multiple cracks. Missing upper shank and reed sections. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1611	**Instrument Type:** French Flageolet **Maker Name:** C. Albert, dealer? **Maker Place:** Paris **Materials:** Grenadilla, bone mouthpiece, nickel silver keys and ferrules. **Keys Holes System:** 7 keys, round flaps plus 2/4 holes. **Physical Description:** 4 sections plus mouthpiece. See DCM 430, 1594. **Measurement:** 37.95 cm. **Condition:** Mouthpiece cracked, ferrule missing from bottom. **Provenance:** Source not known. Digital image available
1612	**Instrument Type:** Flute in C **Maker Name:** William Sherman Haynes **Maker Place:** Boston **Maker Date:** ca. 1951 **Materials:** Sterling silver. **Keys Holes System:** Boehm system, open G, to low C. **Measurement:** 73 cm. **Notes:** Correspondence from Paul de Jong, 21 Jan. 1999, of the Otto Luening Trust, "Played by him [Otto Lueing] on countless occasions…used in the first experiments in electronic music, and they were Mr. Luening's faithful companions while composing a vast body of innovative flute music." **Case:** Black leather case with additional canvas cover containing rod, crutch, and tenon cover. **Condition:** Slight dent in head joint. **Provenance:** Catherine Luening, New York, 1999. Formerly owned by Otto Luening. Digital image available
1613	**Instrument Type:** Flute in C **Maker Name:** Firth Hall & Pond **Maker Place:** New York **Maker Date:** 1833-1847 **Materials:** Boxwood, darkly stained, ivory cap, cork-setting mechanism, and ferrules, silver keys, metal-lined head. **Keys Holes System:** 4 keys, saltspoon, pin in block. **Physical Description:** 4 sections, with tuning slide. **Measurement:** 60.9 cm. **Notes:** The head joint with this instrument has an insufficient socket diameter and very likely is from another flute of the same manufacturer. **Condition:** Head joint, both sections, cracked, not including ferrules. Lower body joint socket cracked. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1614	**Instrument Type:** Boatswain's Whistle **Maker Name:** Anonymous **Materials:** Silver. **Measurement:** 14.1 cm. **Provenance:** Source not known. Digital image available
1615	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous **Materials:** Bamboo, partially painted black and red, with painted area scratched or carved away for natural bamboo color. **Keys Holes System:** 0/5 holes plus 4 vent holes at bottom and 2 holes bored above natural septum cork partition, possibly for carrying cord. **Physical Description:** Bottom closed by natural septum. See DCM 1616-19. **Measurement:** 37.7 cm. **Condition:** Cracks at upper end above septum. **Provenance:** Source not known. Digital image available
1616	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous **Materials:** Bamboo, partially painted black and red, with painted area scratched or carved away for natural bamboo color. **Keys Holes System:** 0/5 holes plus 4 vent holes at bottom. **Physical Description:** Bottom closed by natural septum. See DCM 1615, 1617, 1618, 1619. **Measurement:** 35.5 cm. **Condition:** Cracks through fingerhole rank. **Provenance:** Source not known. Digital image available
1617	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous **Materials:** Bamboo, partially painted black and green, with painted area scratched or carved away for natural bamboo color. **Keys Holes System:** 0/5 holes plus 4 vent holes at bottom and 2 holes bored above natural septum cork partition, possibly for carrying cord. **Physical Description:** Bottom closed by natural septum. See DCM 1615, 1616, 1618, 1619. **Measurement:** 37.9 cm. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1618	**Instrument Type:** Transverse Flute **Maker Name:** Anonymous **Materials:** Bamboo, partially painted black and green, with painted area scratched or carved away for natural bamboo color. **Keys Holes System:** 0/6 holes plus 4 vent holes at bottom and 2 holes bored above natural septum cork partition, possibly for carrying cord. **Physical Description:** Bottom closed by natural septum. See DCM 1615, 1616, 1617, 1619. **Measurement:** 38.1 cm. **Condition:** Portion of bamboo missing between cord holes above septum. **Provenance:** Source not known. Digital image available
1619	**Instrument Type:** Transvserse Flute **Maker Name:** Anonymous **Materials:** Bamboo, partially painted black, with painted area scratched or carved away for natural bamboo color. **Keys Holes System:** 0/6 holes. **Physical Description:** Bottom closed by natural septum. See DCM 1615, 1616, 1617, 1618. **Measurement:** 25.3 cm. **Condition:** Three cracks nearly full length. **Provenance:** Source not known. Digital image available
1620	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Materials:** Bamboo, painted black, with decorative silver- and brass-colored wire and wire mesh and bands over blue silver and gold metal foil with silver cord. **Keys Holes System:** 0/6 holes. **Measurement:** 29.95 cm. **Condition:** Bamboo tube cracked at upper end. **Provenance:** Source not known. Digital image available
1621	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** India **Materials:** Cane, with picture of Krishna glued to instrument (formerly had gold metallic bands at each end of picture and at foot of instrument). **Keys Holes System:** 0/6 holes. **Physical Description:** Appears to have been made for tourist sales. **Measurement:** 25.85 cm. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1622	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Anonymous **Maker Place:** India **Materials:** Cane, with picture of Krishna glued to instrument (formerly had gold metallic bands at each end of picture and at foot of instrument). **Keys Holes System:** 0/6 holes. **Physical Description:** Appears to have been made for tourist sales. **Measurement:** 26.05 cm. **Provenance:** Source not known. Digital image available
1623	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** late 19c **Materials:** Boxwood, lightly stained, nickel silver key, nickel silver and brass ferrules. **Keys Holes System:** 1 key, foot to D, round flat flap, pin in block. **Physical Description:** 4 sections. **Measurement:** 59.1 cm. (as is). **Condition:** Missing head joint cap, likely boxwood. Upper head joint ferrule and lower body joint socket ferrule are brass replacements. Lower body joint crack in socket. **Provenance:** Source not known. Digital image available
1624	**Instrument Type:** Tabor Stick **Maker Name:** Anonymous **Materials:** Unidentified hard wood, turned (beaded) knob-like handle, tip of bone. **Measurement:** 34.05 cm. **Provenance:** Source not known. Digital image available
1625	**Instrument Type:** Flute Swab / Screwdriver **Maker Name:** Anonymous **Materials:** Cocus, with nickel silver threaded coupler, and purple yarn swab head. **Physical Description:** Combination swab and screwdriver. **Measurement:** 38.7 cm. (as is, not fully together). **Condition:** Screwdriver handle portion cracked at blade end and preventing nickel silver threaded connector from rotating clockwise all the way into position. **Provenance:** Source not known.
1626	**Instrument Type:** Flute Swab, Double-Headed **Maker Name:** Anonymous **Materials:** Hardwood, with animal (whale?) bone handle and small yarn swab heads. **Measurement:** 25.3 cm. **Condition:** Original color of swab head uncertain. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1627	**Instrument Type:** Fife in B-flat (Fife in C) **Maker Name:** Anonymous **Materials:** Unidentified wood, brass end ferrules. **Keys Holes System:** 0/6 holes. **Measurement:** 37.2 cm. **Condition:** Missing cork. **Provenance:** Source not known. Digital image available
1628	**Instrument Type:** Fife in B-flat (Fife in C) **Maker Name:** Anonymous **Materials:** Mahagony(?), brass end ferrules. **Keys Holes System:** 0/6 holes. **Measurement:** 37 cm. **Provenance:** Source not known. Digital image available
1629	**Instrument Type:** Piccolo in C **Maker Name:** Anonymous, possibly English **Maker Date:** early 19c **Materials:** Boxwood, ivory end cap and ferrules, silver key. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 3 sections: head joint, upper body, lower body and foot are one piece. **Measurement:** 31.4 cm. (as is) **Condition:** End cap missing. Lower joint socket cracked with a portion of it and the ferrule missing. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1630	**Instrument Type:** Flute in C **Maker Name:** C. G. Conn **Maker Place:** New York **Maker Date:** 1898 **Materials:** Brass body and foot, nickel silver keywork. All metal parts gold-plated over silver plate. Ebonite and brass heads. See Notes. **Keys Holes System:** Boehm system. **Physical Description:** Boehm flute with 2 head joints, high and low pitch. The adjustable head joint cork is faced with a compound curved (convex) gold-plated sheet metal surface similar to the partitions (or conduit tubes) found inside brasswind piston valves. The extra head joint has a tenon sleeve cover. **Measurement:** 65.65 cm.; 65.7 cm. (extra head) **Notes:** Mother-of-pearl key touch plates and embouchure plate attaching screw cover inlays (2, on each head). Body joint barrel elaborately engraved. The left hand 1st finger and the thumb rest, of ebonite, are supported with an ebonite rest applied with an attaching screw which, like the head joint, is disguised with a decorative round mother-of-pearl inlay. **Case:** Original case, re-lined on both the interior and exterior. **Condition:** Excellent and playable, with plating worn on frequently handled keys and other areas. **Provenance:** Robert I. Weil, Villanova, Pennsylvania, May/June 1998. Digital image available
1631	**Instrument Type:** Piccolo in D-flat **Maker Name:** Anonymous **Maker Date:** turn of 20c **Materials:** Cocus, ivory and cocus head, nickel silver keys and ferrules. **Keys Holes System:** 6 keys, modern style key cups, direct mount, post and rod. **Physical Description:** 2 sections, conical, tuning slide in metal-lined head. **Measurement:** 28.8 cm. (as is) **Case:** Period case, relined inside with blue cordouroy and new hinges. **Condition:** Head joint, both sections, cracked, ivory section with poor repair attempt. Head joint missing end cap although cork-setting mechanism is present. **Provenance:** Robert I. Weil, Villanova, Pennsylvania, May/June 1998. Digital image available
1632	**Instrument Type:** Flute in C **Maker Name:** Rudall Carte & Co. **Maker Place:** London **Maker Date:** ca. 1884 **Materials:** Ebonite, cocus cap with silver disk inlay, silver keys and ferrules. **Keys Holes System:** Boehm system, to low B, modern keys on ribs. **Physical Description:** 2 sections, cylindrical. Body and foot are one piece. **Measurement:** 69 cm. **Condition:** Crutch missing. Chip of material missing at crutch bracket screwhole. **Provenance:** Robert I. Weil, Villanova, Pennsylvania, May/June 1998. Digital image available

Unit Id	*Contents*
1633	**Instrument Type:** Head Joint (Upper Section only) **Maker Name:** Potter **Maker Place:** London **Materials:** Boxwood. **Physical Description:** Upper portion of a head joint equipped with metal tuning slide. This head joint portion was either partially or completely metal-lined. **Measurement:** 14.4 cm. **Condition:** While not a particularly important object in and of itself, the condition of this portion shows an unusual and extreme example of a wooden tube having gone out of round, literally egg-shaped at the lower end. Such a condition should have produced a crack with the grain, instead this object has 2 small cross-grain cracks. (See DCM 1481). **Provenance:** Source not known. Digital image available
1634	**Instrument Type:** Flute in C **Maker Name:** Moritz-Max Mönnig **Maker Place:** Leipzig **Maker Date:** 1904-a1926 **Materials:** Grenadilla, nickel silver keys, tenons, and lined sockets (with inner tube). **Keys Holes System:** Boehm system, with Schleiff key, and patent B-flat/C trill key. **Measurement:** 67.5 cm. **Case:** Original case, with tenon cap cover inside. **Condition:** Slight crack at head joint. Crutch missing. **Provenance:** Robert I. Weil, Villanova, Pennsylvania, May/June 1998. Digital image available
1635	**Instrument Type:** Flute in C **Maker Name:** J. Mollenhauer & Söhne **Maker Place:** Fulda **Maker Date:** ca. 1864-p1950 **Materials:** Grenadilla, nickel-plated keys and ferrules. Ebonite embouchure plate similar to reform system. **Physical Description:** 3 sections. **Measurement:** 66 cm. **Condition:** Crutch missing. **Provenance:** Robert I. Weil, Villanova, Pennsylvania, May/June 1998. Digital image available

Unit Id	*Contents*
1636	**Instrument Type:** Flute in C **Maker Name:** Michael Seyfrit **Maker Place:** Washington, D.C. **Maker Date:** 1980 **Materials:** Boxwood, brass key. **Keys Holes System:** 1 key, square flap. **Physical Description:** 4 sections. **Measurement:** 62.4 cm. **Notes:** Flute made after Stanesby, jr., DCM 1125, copy based on performance characteristics. **Case:** Case made by Michael W. McMullen, after 18th century originals. **Provenance:** Michael Seyfrit, former Curator of the Dayton C. Miller Collection, and Michael W. McMullen, Washington, D.C., 1980. Digital image available
1637	**Instrument Type:** Tabor Pipe (Fragment) **Maker Name:** Anonymous **Materials:** Wood, bone beak, animal horn ferrule. **Physical Description:** 2 sections. Head joint or part of head joint attached to unrelated extension tube of dissimilar wood. See DCM 421. **Measurement:** 15.05 cm. **Condition:** Detachable parts stuck together, possibly with adhesive. **Provenance:** Source not known. Digital image available
1638	**Instrument Type:** Flute Swab Handle **Maker Name:** Anonymous **Materials:** Ebony, silver ferrule. **Physical Description:** Ferrule near upper end slotted to receive swab cloth. **Measurement:** 47.55 cm. **Condition:** Slight warp. **Provenance:** Source not known. Digital image available
1639	**Instrument Type:** Flute Swab **Maker Name:** Anonymous **Materials:** Oak shaft, heavily varnished, with thread windings and black yarn swab head. **Measurement:** 68.3 cm. **Provenance:** Source not known. Digital image available
1640	**Instrument Type:** Swab Rod **Maker Name:** Anonymous **Materials:** Rosewood(?), threaded silver coupler. **Physical Description:** Combination handle and screwdriver. **Measurement:** 41.6 cm. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1641	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** late 18c **Materials:** Boxwood, stained dark brown with a varnish or shellac present on all joints except upper body joint. Brass key (with nickel plate), bone ferrules. **Keys Holes System:** 1 key, round flat flap. **Physical Description:** 4 sections. **Measurement:** 61.75 cm. **Notes:** Brass key from a later instrument, with about 50% of what may be original nickel plating. **Condition:** Head joint socket cracked and missing ferrule. Lower body joint socket cracked and missing ferrule. Foot joint ferrule cracked. **Provenance:** Source not known.
1642	**Instrument Type:** Flute Swab Handle **Maker Name:** Anonymous **Materials:** Rosewood(?). **Measurement:** 29.2 cm. **Provenance:** Source not known. Digital image available
1643	**Instrument Type:** Flute Swab **Maker Name:** Anonymous **Materials:** Ebony(?). **Physical Description:** Rod. **Measurement:** 24.45 cm. **Provenance:** Source not known. Digital image available
1644	**Instrument Type:** Fife in B-flat **Maker Name:** Harry Bettoney **Maker Place:** Boston **Maker Date:** 1901-1907 **Materials:** Brass with dull nickel plate. Ebonite mouthpiece. **Keys Holes System:** 0/6 holes. **Measurement:** 37 cm. **Notes:** This may have been marketed or sold as a fife in C. See "Fife vs. Band Flute." **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1645	**Instrument Type:** Flute in C (Parts only) **Maker Name:** Joseph Wallis **Maker Place:** London **Maker Date:** 1853-1858 **Materials:** Cocus, nickel silver fingerhole bushings. **Keys Holes System:** Originally a 6- or 8-keyed flute, possibly saltspoon cups, pin in block. If the foot carried low C#, C, they were likely pewter plugs, and the 6 principal rank toneholes (large, nearly Nicholson size) contained nickel silver bushings (only fingerhole 4 bushing remains). **Physical Description:** Upper and lower body only. **Measurement:** 20.4 cm. (upper body, as is); 13 cm. (lower body) **Condition:** All keys missing. **Provenance:** Source not known. Digital image available
1646	**Instrument Type:** Flute in C (Part only) **Maker Name:** Metzler **Maker Place:** London **Materials:** Cocus, silver embossed ferrule. **Keys Holes System:** Likely a 4-keyed instrument originally, pin in block. Probably nickel silver keys and ferrules originally. **Physical Description:** Lower body joint only. **Measurement:** 13.5 cm. (as is) **Condition:** The F key blocks were broken off on both sides, and have been crudely replaced with brass components from an electrical device applied with steel wood screws. **Provenance:** Source not known. Digital image available
1647	**Instrument Type:** Flute in C (Part only) **Maker Name:** Fentum **Maker Place:** London **Maker Date:** 1784-ca. 1821 **Materials:** Cocus(?). **Keys Holes System:** Likely from an 8-keyed flute, pin in block, key style unknown. **Physical Description:** Upper body only. **Measurement:** 20.2 cm. (as is) **Condition:** Missing keys. Cracks in lower tenon. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1648	**Instrument Type:** Flute in C (Part only) **Maker Name:** Fentum **Maker Place:** London **Maker Date:** 1784- ca. 1821 **Materials:** Cocus, nickel silver keys and tonehole bushings for low C#, C. **Keys Holes System:** Originally an 8- (possibly 7-) keyed flute, likely nickel silver ferrules and saltspoon keys, pin in block. **Physical Description:** Foot joint only. **Measurement:** 13.6 cm. (as is) **Condition:** All metal elements other than tonehole bushings are missing. Low C#, C key upper blocks broken off and missing. Bottom ferrule missing. Socket cracked and partially sawed off at top, reason unknown. **Provenance:** Source not known. Digital image available
1649	**Instrument Type:** Recorder or French Flageolet (Part only) **Maker Name:** Maker not identified **Maker Place:** Paris **Materials:** Boxwood. **Physical Description:** Top portion only. **Measurement:** 9.4 cm. (as is) **Condition:** Socket cracked in 3 places. **Provenance:** Source not known. Digital image available
1650	**Instrument Type:** Flute in C (Part only) **Maker Name:** Metzler **Maker Place:** London **Materials:** Cocus, ivory ferrules. **Keys Holes System:** Originally an 8-keyed flute with saltspoon cup keys, probably of nickel silver, pin in block. **Physical Description:** Foot joint only, to low C. **Measurement:** 15 cm. (as is) **Condition:** All metal elements missing. Socket and ferrule missing. Wood loss at socket, approximately 100 degrees. Low C#, C, key upper block partially broken and missing. **Provenance:** Source not known. Digital image available
1651	**Instrument Type:** Flute in C (Part only) **Maker Name:** Metzler **Maker Place:** London **Materials:** Cocus. **Keys Holes System:** Originally at least a 4-keyed flute, pin in block. **Physical Description:** Upper body section only. **Measurement:** 20.9 cm. (as is) **Condition:** G# key mount slightly broken off. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1652	**Instrument Type:** Flute in C (Part only) **Maker Name:** William Hall & Son **Maker Place:** New York **Maker Date:** 1847-1874 **Materials:** Cocus, stained dark brown, nickel silver keys and ferrules. **Keys Holes System:** 8 keys, modern style key cups. Low C#, C originally pewter plugs. **Physical Description:** 3 sections: upper and lower body, and foot. **Measurement:** 44.6 (as is). **Condition:** Missing head joint. B-flat key missing and key block broken off at pin line, both sides. Short F key missing with block broken off at pin line on one side. Low C#, C keys are replacements from another (likely German) instrument. Low C# key block broken off at pin line on one side. Lower body joint ferrule missing. **Provenance:** Source not known. Digital image available
1653	**Instrument Type:** Flute in C (Part only) **Maker Name:** Moon **Maker Place:** Plymouth, Great Britain **Maker Date:** early 20c **Materials:** Rosewood(?). **Keys Holes System:** At least a 4-keyed instrument originally, pin in block. **Physical Description:** Upper body joint only. **Measurement:** 20.7 cm. (as is) **Condition:** G# key mount block chipped and missing. Slightly warped, quite out of round, especially the upper tenon. Upper tenon cracked in 4 places. **Provenance:** Source not known. Digital image available
1654	**Instrument Type:** Flute in C (Part only) **Maker Name:** Thomas Pearson **Maker Place:** London **Maker Date:** 1859-1891 **Materials:** Cocus, nickel silver key and ferrules. **Keys Holes System:** Saltspooon, pin in block. **Physical Description:** This is the foot joint for a 1- or 4-keyed flute, or possibly one of 2 interchangeable foot joints, one to low D, and one to low C. **Measurement:** 9 cm. (as is) **Condition:** Upper ferrule missing and the upper end of the socket appears to have been shortened. Similarly, the key finger spatula appears to have been crudely shortened. **Provenance:** Source not known.

Unit Id	*Contents*
1655	**Instrument Type:** Flute in C (Part only) **Maker Name:** Wood & Ivy **Maker Place:** London **Maker Date:** 1837-1847 **Materials:** Rosewood(?), with brass liner, silver ferrule. **Physical Description:** Head joint barrel section only, very likely an 8-keyed flute originally, with head joint tuning slide. **Measurement:** 6.45 cm. (as is) **Condition:** Cracked, wood chip missing near ferrule. **Provenance:** Source not known. Digital image available
1656	**Instrument Type:** Flute in C (Part only) **Maker Name:** Anonymous **Maker Date:** mid 19c **Materials:** Ivory. **Physical Description:** Head joint, upper section only, with tuning slide, and with moderately rectangular embouchure hole. Likely from an 8- or 6-keyed flute. **Measurement:** 15.4 cm (as is) **Condition:** Large, long crack. Missing silver or nickel silver ferrules at both ends. **Provenance:** Source not known. Digital image available
1657	**Instrument Type:** Flute in C (Part only) **Maker Name:** Anonymous, possibly American or English **Maker Date:** mid 19c **Materials:** Boxwood, stained medium brown. **Physical Description:** Head joint, likely from a 1- or 4-keyed flute **Measurement:** 23 cm. **Condition:** Hemispherical head joint cap not typical and not likely original or period. **Provenance:** Source not known. Digital image available
1658	**Instrument Type:** Flute in C (Part only) **Maker Name:** Anonymous **Materials:** Boxwood, stained dark brown, nickel silver key, bone ferrules. **Keys Holes System:** 1 key, pin in block. **Physical Description:** Head, lower body, and foot joint only of a 1-keyed flute. **Measurement:** 27.2 cm. (head joint); 24 cm. (lower body and foot joint) **Condition:** Foot joint upper ferrule cracked. Body joint upper ferrule gone. Head joint ferrule cracked, socket has 3 cracks. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1659	**Instrument Type:** Bassett Clarinet in B-flat **Maker Name:** Buffet-Crampon & Cie; Buffet-Crampon (See Physical Description.) **Maker Place:** Paris; Paris **Maker Date:** mid 20c **Materials:** Grenadilla, nickel silver keywork and ferrules. **Keys Holes System:** 21 keys, 7 rings, with 4 added diapaison keys to low C. **Physical Description:** 4 sections. Converted to a bassett clarinet by Frank Kaspar of Cicero, Illinois. The conversion was executed just above the F-C tonehole. The thumb rest has been moved approximately one centimeter higher and has been revised to include a neck strap ring. **Measurement:** 72.6 cm. (without mouthpiece) **Notes:** The conversion was commissioned by Marilyn Lauriente-Bass, former principal clarinetist of the Chicago Lyric Opera Orchestra and the Grant Park Symphony. With the latter orchestra, Ms. Lauriente-Bass appeared as a soloist using the bassett clarinet. **Case:** Homemade case. **Condition:** No mouthpiece. Cracks in top joint have been pinned. Overall structurally good, nearly playable. Recently repadded. **Provenance:** Gift of Gail E. Kalver (clarinetist and friend of Ms. Lauriente-Bass), Chicago, 2000. Digital image available
1660	**Instrument Type:** Flute in C **Maker Name:** Alfred G. Badger **Maker Place:** New York **Maker Date:** 1838-1892 **Materials:** Silver, gold plaque surrounded with engraving. **Keys Holes System:** Boehm system, closed hole, foot to B. **Measurement:** 72.2 cm. **Notes:** Head joint cap decorated with beaded ferrule. Metal/wood/metal standard 3-part embouchure barrel with wood cork grease cylinder. With tenon cover. **Case:** Wooden case, lined in dark blue velvet. **Provenance:** Louise Faville Austin, Lake Mills, Wisconsin, Aug. 2000. Digital image available
1661	**Instrument Type:** Flute in C **Maker Name:** Jul. Heinr. Zimmermann **Maker Place:** St. Petersburg **Maker Date:** 1875-1929 **Materials:** Grenadilla, ivory upper head joint, silver keys. Enamelled head joint cap and foot joint end. **Keys Holes System:** 13 keys, modern style key cups, post and rod on ribs, foot to B. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 72.5 cm. **Case:** In original case, with maker's mark in Cyrillic. Case contains tenon cap cover. **Provenance:** Robert I. Weil, Villanova, Pennsylvania, 18 July 2000. Formerly owned by Mr. Ilya Ovrutsky, a former member of the State Symphony of the USSR. Digital image available

Unit Id	*Contents*
1662	**Instrument Type:** Clarinet in A **Maker Name:** Anthony **Maker Place:** Philadelphia **Maker Date:** turn of 19c **Materials:** Boxwood, brass keys, ivory ferrules. Ebony mouthpiece. **Keys Holes System:** 5 keys, square flaps, pin in block. **Physical Description:** 4 sections plus barrel and mouthpiece. **Measurement:** 60 cm. (without mouthpiece) **Notes:** See DCM 271 and 1231. This and another Anthony clarinet in Minnesota appear to be the oldest surviving North American-made clarinets. Two other Anthony instruments (a concert flute and a walking stick) are preserved in the Miller Collection. **Provenance:** Robert E. Sheldon, Washington, D.C., 1998. Digital image available
1663	**Instrument Type:** Flute in C **Maker Name:** M. Sutter **Maker Place:** Appenzell **Maker Date:** a1787-p1788 **Materials:** Boxwood, silver key, ivory and bone ferrules. **Keys Holes System:** 1 key, square flap, pin in block. **Physical Description:** 3 sections, with four corps de rechange. **Measurement:** 61 cm. (with joint no. 2); 22.8 cm., 20.5 cm., 19.6 cm. (now. 1, 3, 4). **Provenance:** Carol Lynn Ward-Bamford, Washington, D.C., 2003. Formerly owned by Robert E. Sheldon, Washington, D.C. Digital image available
1664	**Instrument Type:** Flute in C **Maker Name:** H & A Selmer **Maker Place:** Elkhart **Maker Date:** ca. 1927-p1950 **Materials:** Nickel-plated. **Keys Holes System:** Boehm system, closed hole, foot to C with roller. **Physical Description:** 3 sections. **Measurement:** 67 cm. **Case:** Case. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1665	**Instrument Type:** Flute in C **Maker Name:** Rampone **Maker Place:** Milan **Maker Date:** ca. 1850-1912 **Materials:** Ebonite, silver-plated keys and ferrules. Metal-lined head and sockets. **Keys Holes System:** Boehm system, with alternate D# for LH little finger, and alternate G# for RH 1st finger. Foot to B. **Physical Description:** 3 sections. **Measurement:** 71.5 cm. **Provenance:** Source not known. Digital image available
1666	**Instrument Type:** Fife in A-flat (B-flat) **Maker Name:** William Callender **Maker Place:** Boston **Maker Date:** 1803-1818 **Materials:** Boxwood, brass end ferrules. **Keys Holes System:** 0/6 holes. **Measurement:** 42.45 cm. **Provenance:** Source not known. Digital image available
1667	**Instrument Type:** Artindia Funai (Notched Flute) **Maker Name:** Anonymous, South American Indian, Amazon, Mexhryana Tribe **Materials:** Bone, with hole for cord and red feather attached at foot. **Keys Holes System:** 0/3 holes plus cord hole. **Measurement:** 13.3 cm. **Provenance:** Source not known. Digital image available
1668	**Instrument Type:** Vertical Whistle Flute **Maker Name:** Two's Company Music **Maker Place:** Kansas **Maker Date:** 20c **Materials:** Painted aluminum tube with plastic fipple mouthpiece. **Keys Holes System:** 0/6 holes. **Measurement:** 29.7 cm. **Notes:** Accompanied by instructions and finger chart. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1669	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Materials:** Bamboo, stained brown, bone tip at foot, covered with 24 windings of black lacquered string. Red and green tassel. **Keys Holes System:** 0/6 holes plus membrane hole plus 2 tassel holes plus 2 vent holes. **Measurement:** 62.9 cm. **Condition:** Missing upper bone ferrule. **Provenance:** Source not known. Digital image available
1670	**Instrument Type:** Di (Transverse Flute) **Maker Name:** Anonymous, Chinese **Materials:** Bamboo, bone end ferrules, with incised cranes (yin and yang) and leaf design painted in green and white. **Keys Holes System:** 0/6 holes plus 2 tassel holes plus 2 vent holes. **Measurement:** 61.55 cm. **Condition:** Missing both end ferrules, except for small fragment at bottom. **Provenance:** Source not known. Digital image available
1671	**Instrument Type:** Flute in C **Maker Name:** Edward Baack **Maker Place:** New York **Maker Date:** 1837-1872 **Materials:** Cocus, ivory head joint, nickel silver end cap shaft, keys, and ferrules. Metal tuning slide. **Keys Holes System:** 8 keys, saltspoon, with pewter plugs for low C#, C. Pin in block. **Physical Description:** 4 sections, tuning slide in head. **Measurement:** 66.4 cm. **Case:** Period wooden case. **Condition:** Head joint, both sections, cracked. Upper body joint cracked full length, although closed. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1672	**Instrument Type:** Flute in C **Maker Name:** Joseph Pöschl **Maker Place:** Munich **Maker Date:** 1894-1947 **Materials:** Grenadilla, silver keys and ferrules. Metal-lined tenons and sockets. **Keys Holes System:** Boehm system, conical bore, open G#, foot to B. Rollers for D#, C. G fingerhole silver bushed. **Physical Description:** 3 sections. **Measurement:** 71.5 cm. **Notes:** See DCM 1612. **Case:** Original case containing wood rod, tenon cap covers, crutch, and cork grease container. **Condition:** Head joint cracked and repaired. **Provenance:** Catherine Luening, New York, 1999. Formerly owned by Otto Luening. Digital image available
1673	**Instrument Type:** Flute Swab **Maker Name:** Anonymous **Physical Description:** Red, blue, and grey brush on wooden handle with metal spike in end. Digital image available
1674	**Instrument Type:** Piccolo **Maker Name:** Anonymous, possibly American **Maker Date:** late 19c **Materials:** Boxwood, stained dark brown, bone head joint ferrule, ivory(?) ferrule on body. Nickel silver keys. Metal head joint ferrule, brass at socket. **Keys Holes System:** 4 keys, saltspoon, pin in block. **Physical Description:** The 2 parts of this instrument may or may not be a composite of other instruments. **Measurement:** 30.3 cm. **Condition:** Head joint crack at socket. Socket ferrule replaced with brass ferrule. E-flat/D# key block broken off at one side, pin line. Body joint tenon cracked and partly missing. Crack at tenon. **Provenance:** Source not known. Digital image available
1675	**Instrument Type:** Flute Swab **Maker Name:** Anonymous **Physical Description:** Black brush on black wooden handle with end broken off at an angle. Digital image available

Unit Id	*Contents*
1676	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** 19c **Materials:** Cocus, nickel silver cap, keys, and ferrules. **Keys Holes System:** 12 keys, foot to B, modern style key cups. Rollers for low C, B. **Physical Description:** 3 sections, tuning slide in head. **Measurement:** 68.5 cm. **Case:** Elegant case, with decorative monogram on top. Brass key lock plate, handle, and key. Case will also carry a piccolo. **Condition:** Barrel cracked. Cracks in lower joint socket. **Provenance:** Louise Faville Austin, Lake Mills, Wisconsin, Aug. 2000.
1677	**Instrument Type:** Piccolo in E-flat **Maker Name:** Henry Potter **Maker Place:** London **Maker Date:** 1841-p1950 **Materials:** Cocus, nickel silver keys (bushed) and ferrules. **Keys Holes System:** 5 keys, modern style key cups, pin in block. **Physical Description:** 2 sections. **Measurement:** 25.6 cm. (as is) **Condition:** Head joint cap missing. G# key is a replacement. E-flat/D# key and block are missing, there being a mortice cut into the body to receive a new block. **Provenance:** Source not known. Digital image available
1678	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Materials:** Wood, stained, nickel silver keys and ferrules. **Keys Holes System:** 4 keys, modern style key cups, post and rod, foot to D. **Physical Description:** 4 sections, tuning slide in partially lined head. **Measurement:** 59.7 cm. **Condition:** Head joint, upper sections, widely cracked, with wood inlay repair attempt. Head joint upper section scratched nearly 270 degrees in circumference above embouchure hole. Head joint lower section cracked into 3 pieces. Upper body joint cracked at upper tenon shoulder. Lower body joint 2 socket cracks, one cracked to edge of F key tonehole seat. Foot joint crack in socket, bottom ferrule missing, and replaced with crude brass ferrule. **Provenance:** Source not known. Digital image available

Unit Id	*Contents*
1679	**Instrument Type:** Flute in C **Maker Name:** Anonymous **Maker Date:** turn of 20c **Materials:** Cocus, nickel silver keys and ferrules. **Keys Holes System:** 8 keys. **Measurement:** 65.5. cm. **Case:** Case contains tenon cap covers and pads. **Condition:** Head joint cracked. **Provenance:** Laura Moran, Notre Dame, Indiana, 1999. Digital image available
1680	**Instrument Type:** Clarinet in C **Maker Name:** Firth Hall & Pond **Maker Place:** New York **Maker Date:** 1833-1847 **Materials:** Boxwood, ivory ferrules. **Keys Holes System:** 5 keys, square flaps, with an extra block roughed-out for the addition of a sixth (a-b trill) key never applied. Pin in block. **Physical Description:** 5 sections plus barrel. Mouthpiece missing. **Measurement:** 53.7 cm. (as is) **Provenance:** William D. Crisp, Gainesville, Virginia, 1998.
1681	**Instrument Type:** Bass Recorder in F **Maker Name:** Rainer Weber **Maker Place:** Germany **Maker Date:** 20c **Materials:** Boxwood, brass ferrules and keys. **Physical Description:** Wood pieced in decorative circles. **Notes:** Replica of late 16th-early 17th century. A=440 **Provenance:** Carole Rogentine, Bethesda, Maryland, 2000
1682	**Instrument Type:** Great Bass Recorder in C **Maker Name:** Rainer Weber **Maker Place:** Germany **Maker Date:** 20c **Materials:** Boxwood, brass ferrules and keys. **Physical Description:** Wood pierced with decorative flower design. Ferrule engraved with angels, and boxwood is carved in decorative band beneath the top ferrule. **Notes:** Replica of late 16th-early 17th century. **Provenance:** Carole Rogentine, Bethesda, Maryland, 2000

Unit Id	*Contents*
1683	**Instrument Type:** Contrabass Recorder in FF **Maker Name:** Rainer Weber **Maker Place:** Germany **Maker Date:** 1963 **Materials:** Boxwood, brass ferrules and keys. **Physical Description:** Pierced flower design. Key decorated with piercings or engraving. Wide ferrule at top engraved with pastoral scenes and foliage. Decorative carving in boxwood at top. **Notes:** Replica of late 16th-early 17th century. **Provenance:** Carole Rogentine, Bethesda, Maryland, 2000
1684	**Instrument Type:** Clarinet in B-flat **Maker Name:** Buescher **Maker Place:** Elkhart, Indiana **Maker Date:** 20c **Materials:** Grenadilla, nickel silver keys and ferrules. **Keys Holes System:** Simple system, 4 finger rings. **Physical Description:** 2 sections. **Measurement:** 58 cm. (without mouthpiece) **Provenance:** Source not known.