THE FOUNDING OF THE University of Pennsylvania Museum of Archaeology and Anthropology was part of the great wave of institution-building that took place in the United States after the Civil War. It was an outgrowth of the rising prominence of the new country and its belief in the ideals of progress and manifest destiny. The 1876 Centennial Exposition, held in Philadelphia, introduced America as a new industrial world power and showcased the city as embodying the country’s strength.

The United States, however, still lagged behind Europe in universities and museums, as well as significant contributions to architecture and the arts. The new wealth created after the Civil War helped to overcome these deficiencies as philanthropy became a means of earning social recognition, and many wealthy and civic-minded Americans thus turned their attention to cultural life and institutions.

Philadelphia was at the center of the industrial and cultural ethos of the times. It was known for its manufacturing, railroads, and commerce, but also for its institutions of learning, such as the American Philosophical Society, the Academy of Natural Sciences, and the University of Pennsylvania.
Top, pictured is a postcard from the 1876 Centennial Exposition in which Philadelphia emerged onto the world stage. Bottom left, as founder of the University Museum, William Pepper, Jr., M.D., L.L.D. (1843–1898), served as University Provost from 1881 to 1894; he was President of the Board of Managers of the Museum from 1894 to 1896. Bottom right, these Museum objects displayed at the Centennial Exposition were part of the personal collection of Wilson Dickinson, collected during a 1837–1844 expedition to the Mississippi Valley and later donated to the Museum.
SECURING A LARGE AUDIENCE FOR THE MUSEUM’S FIRST EXHIBITION

The Babylonian Exploration Fund was established in 1887 to assure that an expedition to Nippur would be undertaken. The Board of the Fund agreed to an affiliation with the University of Pennsylvania. It was decided that a library, then under construction, would house finds from the expedition. The first exhibition was scheduled for December 13, 1889.

By late 1889, [Dr. William] Pepper’s library building was not yet ready for occupancy, but the work of setting up, organizing and staffing the museum, and building up its collection was well advanced. The old examination hall on the third floor of College Hall was temporarily converted to a museum. Skylights were set into the roof and the room was divided by partitions; the entire hall was painted and calsomined [whitewashed]. On Friday, December 13, 1889, a special exhibition of Maxwell Sommerville’s gem collection and the antiquities purchased by the Babylonian expedition opened. As it happened, Amelia B. Edwards and Miss Bradbury of the Egypt Exploration Society were scheduled to speak in Philadelphia the same day…and were expected to draw a crowd. Pepper, though interested in the work of the Egypt Exploration Society, was apparently anxious about the success of the opening of his museum. He wrote to [Francis C.] Macauley [a prominent Philadelphian], “We must make a great effort, and use personal influence, and if necessary physical violence to secure a large audience on Friday.” The exhibition was, apparently, successful. The museum in College Hall was formally opened to the public January 2, 1890.

— From “Excavations at Nippur, the University of Pennsylvania, and the University’s Museum” in Nippur at the Centennial (1992) by Richard L. Zettler, Ph.D., Associate Professor and Department Chair, Near Eastern Languages & Civilizations; Associate Curator-in-Charge, Near East Section, Penn Museum.
Above, this image depicts the 1899 excavation of Nippur, Iraq, from the top of a ziggurat or stepped temple. The success of this excavation served as the catalyst for the founding of the Museum. Photograph by John Henry Haynes. Left, a painted terracotta figurine from Nippur represents a Greek rider wearing a Macedonian flat hat or kausia, on a mount with saddle and reigns. Right, this letter, dated December 30, 1887, describes the founding of the Museum at a December 6, 1887 Board meeting. It reads: I have the honor to inform you of the passage by the Board of Trustees of the University of Pennsylvania, at its last stated meeting of the following conclusion in reference to your communication: “Resolved that the Board of Trustees accepts the proposal contained in the foregoing subscription paper, and pledge themselves to provide accommodations for the collection made by the expedition, provided, as therein contained, that all the finds that can be exported be brought to Philadelphia and delivered as its property to the University of Pennsylvania.”

Very Respectfully Yours, Jesse T. Burk, Secretary.
decades, while continually struggling to pay its bills, the Museum brought in more objects than it could properly catalog. The continuous collecting forced the Museum to think about a permanent building. In 1889 it occupied space in the University’s new library building, now the Fisher Fine Arts Library. The Museum soon took over much of the building, but space was still lacking and some collections were stored and displayed in other buildings on campus. Plans for a museum building began soon after, in 1892, at the behest of Sara Yorke Stevenson, the curator of the Egyptian and Mediterranean Sections and the first woman to receive an honorary doctorate from Penn (in 1894), she would later serve the Museum as Secretary, and finally, as its fifth and only female President from 1904–1905. Even after she resigned, her career continued, beginning with her appointment as Curator at the Pennsylvania Museum, now the Philadelphia Museum of Art, and later as columnist and literary editor of Philadelphia’s Public Ledger.

In 1894 Pepper obtained land from the City of Philadelphia to erect the “Free Museum of Science and Art.” The new name of the Museum reflected that it would be open to the

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collaborated in sending Boyd on her next expedition to Greece, where she excavated at Gournia, a site which would yield a wealth of information on the daily lives of Cretans in the Bronze Age. Her remarkable success and unlikely status as a woman supervising men in the field contributed to a favorable reception from the press. The French newspaper *Journal des Savants* praised “la libre et hardie Américaine” for “le féminisme intelligent.” Another journalist described her “strictly feminine” charm of manner unaltered by the nature of “the masculine work.” She was invited to lecture on Gournia to ten regional branches of the AIA, becoming the first woman to speak before the Institute in this capacity.

Harriet Boyd Hawes’s prominence as an acclaimed archaeologist was exceptional—not all contemporary archaeologists accepted a female presence in the field. Concerns about women traveling for and working on expeditions were not uncommon through several following decades. In 1926, Museum Director George Byron Gordon questioned the appropriateness of women working in the field in written correspondence with Sir Leonard Woolley, who was excavating at Ur. Gordon had received reports that were primarily concerned with the presence at Ur of Mrs. Katharine Keeling, a widow in her 30s, and he worried about the potential for bad press. He wrote, “I have very grave doubts which amount to a conviction about the wisdom of having any volunteer assistants on the expedition.” Woolley dismissed Gordon’s concern, responding that he appreciated any free contribution of useful work, and that her influence kept the site workers “up to standard.” Whether or not the reports were founded is impossible to know—Mrs. Keeling remarried and became Mrs. Woolley.

— Alexandra Fleischman
Above, the blueprint of the original plan illustrates a vision of a complex of buildings situated on a nine-acre landscape. Three central rotundas would be devoted to the ancient civilizations of Greece and Rome, Egypt, and Mesopotamia, flanked by courtyard buildings dedicated to the traditional cultures of America, Asia, Africa, and Oceania. Parks containing fountains and pools, with gardens featuring trees and plants from around the world, would complete the eclectic Victorian extravaganza. Only part of the original plan was built (see shaded area). Subsequent additions included the interior courtyards, the Academic Wing, and the Mainwaring Wing. Middle right, the façade of the Museum building was designed by Wilson Eyre, Jr. Photograph by Charles R. Sheeler, ca. 1916. Bottom right, the mosaics were designed by Louis Tiffany, Jr., son of the founder of Tiffany Jewelry. Prominent artists were commissioned to work on the mosaics in 1899.
public at no charge (it did not charge admission until 1987), and was also meant to appeal to the politicians and citizens of Philadelphia. This name never caught on, however, and the institution was soon called informally “The University Museum,” a name it adopted officially in 1913. The name was changed twice again, in the 1980s and 1990s, and finally came to be called the University of Pennsylvania Museum of Archaeology and Anthropology, or the Penn Museum.

A grand structure was envisioned, to be built in sections as money became available, consisting of three domed rotundas and a series of courtyards in front and back. The first section opened in 1899. Built mainly of imported brick, the architecture of the building is nominally Northern Italian Renaissance, blended with eclectic elements to create a unique style. It is embellished with decorative motifs, including glass mosaics under the eaves designed by Louis Comfort Tiffany (son of the founder of Tiffany’s) and statues designed by A. Stirling Calder (father of the renowned sculptor Alexander Calder). Additions to the building were erected in 1915, 1926, and 1929, and included the Harrison Rotunda and Auditorium, which boasts the largest unsupported masonry floor-dome in the world.

**WORLD RESEARCH**

Under George Byron Gordon, the Museum’s first full-time director (1910–1927), research was conducted all over the globe, from Siberia to the Amazon, at major sites in Egypt and Guatemala. But the most acclaimed Museum project of the time was the excavation at Ur, in Iraq. This was a joint expedition with the British Museum (1922–1934), led by the great English archaeologist C. Leonard Woolley, and it produced spectacular jewelry and other objects from the “Royal Tombs” (2650–2550 BC). Only the discovery of the tomb of Tutankhamun received more acclaim at the time.
Above, this bronze sculpture of an Oba (hereditary chief or king) from the ancient kingdom of Benin in Nigeria was purchased for the Museum by W.O. Oldman in 1912. Dating to the 15th to 16th century, this head was cast to commemorate a past ruler and was placed on a royal altar. Below, “Ram Caught in a Thicket” is one of the iconic objects recovered from the Royal Tombs of Ur. Top right, the British and American excavation at Ur began in 1922. The project took 12 years, with an average of 200 to 300 workers. Bottom right, Emperor Tang Taizong (599–649) commissioned reliefs of his six favorite horses on which he rode into battle. These reliefs were originally featured in the Emperor’s mausoleum. Two were later purchased from the Chinese art dealer C. T. Loo, then donated to the Museum.
Items not obtained through excavation were purchased from dealers and collectors. When few museums were collecting Chinese art, Gordon cultivated relationships with individuals such as C. T. Loo, a prominent dealer of Chinese art and artifacts in the first half of the 20th century. Gordon’s coup was the acquisition of two of the six reliefs of horses commissioned by Emperor Tang Taizong, founder of the Tang dynasty, for his mausoleum. Eldridge Johnson, the founder of the Victor Talking Machine Company, paid $125,000 for the reliefs in 1920 and presented them to the Museum. Gordon also obtained masterpieces of Benin art from W. O. Oldman of London and collections of pre-Columbian gold from South America.

Recognizing that expeditions required trained academics, Gordon also began a program of instruction in anthropology and archaeology. Previously, in 1893, Sara Yorke Stevenson had tried to lure Franz Boas, the founder of academic anthropology in the United States, to the Museum, but his salary demands could not be met. Boas became the dominating influence on American anthropology, introducing empiricism into the discipline, and the concept of cultural relativism.

With its emphasis on fieldwork, the discipline of anthropology as practiced by Boas was no longer the sphere of museums and artifact collections. The University Museum’s object-based approach to archaeology came to be seen as limited and old-fashioned; though good for educating the public in a general way, it could not produce future specialists (continued on page 16).
Top left, this general view of the site of Beth Shean, Israel, shows the state of the excavation in 1928. Middle left, the great challenge at the site of Piedras Negras in Guatemala was moving heavy monuments through the jungle. In 1931, local workers moved Altar 1. Photograph by Linton Satterthwaite. Bottom left, George McFadden excavated at Kourion, Cyprus, until his death in 1953. Here, he reconstructs a sculpture. Bottom right, in 1931, in cooperation with Italy’s International Society for Mediterranean Research, the Penn Museum excavated the ancient site of Minturnae. This is where Rome established a colony ca. 295 BC. Remains of the Republican Forum and Augustan theater were cleared. Here, local villagers play a bagpipe and a flute for the archaeologists.
THE EVERYDAY LIFE OF AN ARCHAEOLOGIST

In a 1951 letter to Ken McDonald, Carleton S. Coon described the life of an archaeologist as he knew it. Ken, a high school senior at the time, had read about Coon in a Life magazine article. He had written to the famous archaeologist inquiring about the profession. Sixty years later, McDonald contacted the Penn Museum and offered to send us Coon’s original letter, which now resides in the Museum Archives. Perhaps it was the reference to dysentery, but Ken McDonald did not study archaeology. He became a commercial mortgage and real estate broker.

…the everyday life of an archaeologist depends on who he is and what he happens to be doing. If he is in the field he probably gets up around 5 AM, kicks a number of colleagues out of bed, shouts to the cook to get breakfast, does about 50 errands and things that should have been done the night before by someone who forgot, goes to his site, tells the men to get moving, gives pills to some workman who is sick, chases off a few rude visitors with a stick, tries valiantly to keep the sherds from level B separate from those in level A, eats a hurried lunch, breaks up a fight in the trench, carries bags of specimens down the hill to his storage place, goes home, washes, eats supper, and falls asleep about 8 PM, if he is lucky.

If he is at home he goes to his office or laboratory and works, just like anyone else. At night, he comes home and works some more. He always works, he rarely goes to the movies, he does not need to read detective stories because what he is doing is more interesting anyhow. He either (a) lives to a ripe old age because of his outdoor life, or (b) is buried in an early grave because (b-i) a rock falls on his head, or (b-ii) he gets a bad case of chronic dysentery which ruins his digestive system.

— Carleton S. Coon
in the discipline. A schism arose between the Museum and the Anthropology Department which lasted until the 1950s.

Gordon died in 1927, and the Stock Market crash of 1929 and the ensuing Great Depression left the institution reeling. Horace H. F. Jayne, appointed as Director in 1929, soon found himself cutting staff and trying to keep the Museum afloat. The University of Pennsylvania was forced to intervene and become financially responsible for the institution. Another casualty of the Depression was the original plan for the building, which was never completed.

In spite of the retrenchment, money from endowments continued to be available for expeditions. Highlights include the first American excavations in Persia (Iran), the excavations at the Maya site of Piedras Negras (Guatemala), Kourion (Cyprus), Tepe Gawra (Iraq), Minturnae (Italy), Meydum (Egypt), and the excavations of Edgar B. Howard in the American Southwest, which uncovered evidence of some of the earliest humans on the continent.

One of Jayne’s lasting contributions was the founding of the Women’s Committee, a volunteer group that continues to this day to help raise funds, plan grand events, and stimulate interest in the Museum’s research and educational programs.

After World War II, the Museum blossomed once again with the appointment of one of its greatest directors, Froelich G. Rainey, known as “Fro.” Rainey had distinguished himself in the archaeology of Alaska, and in his almost 30 years as Director (1947–1976) he presided over great changes. The shift to academic anthropology, against which Gordon had tried to fight, was embraced by Rainey. Curators were given teaching appointments in the University, and original field research became the mission of the institution. Field projects included Gordion, Turkey; Hasanlu, Iran; and Tikal, Guatemala, among many others. Excavations were carried out in lesser-known areas of the globe, such as at the site of Ban Chiang, Thailand, where the discovery of early metallurgy revolutionized our conception of the origins of civilization in this part of the world.

**CHANGING TIMES**

The world was changing as well. In the decades following World War II, most countries established cultural patrimony laws forbidding the export of antiquities. This made the continued acquisition of artifacts difficult, but Rainey simply decided that collecting objects was no longer a priority. In fact, he observed that collecting was often at odds with archaeology, especially if it encouraged the looting of archaeological sites. Rainey took a decisive step to help curb the illicit trade by presenting the “Pennsylvania Declaration” at the 1970 UNESCO Convention on the Means of Prohibiting and Preventing the Illicit Import, Export, and Transfer of Ownership of Cultural Property. The declaration, the first by a museum, discouraged acquisition of objects with no known collection history.

Rainey also pioneered the new fields of underwater archaeology and the application of natural sciences to archaeology. He appointed George F. Bass to head an underwater excavation at Cape Gelidonya, Turkey. This was the first excavation to adapt the standards of land archaeology to underwater remains. In 1961 Rainey established MASCA, the Museum Applied Science Center for Archaeology. MASCA ran a radiocarbon laboratory and was involved in developing and testing remote sensing equipment such as magnetometers, and engaged specialists in physics, chemistry, archaeobotany, and other sciences.

Rainey helped popularize archaeology with an early television program called *What in the World?*, soon imitated by the BBC’s *Animal, Vegetable and Mineral*. Featuring a panel of three expert contestants and a moderator, the aim was to identify interesting and obscure objects from the Museum’s collection in an entertaining yet learned fashion.

In his zeal to transform the Museum into a research institution, however, Rainey neglected aspects of the buildings and

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Top left, the Women’s Committee has supported the Museum for 75 years. This 1985 photo shows a gala dance hosted by the Women’s Committee at which a wooden floor was laid over the koi pond in the Upper Courtyard garden and attendees danced in the garden.

Middle left, Froelich Rainey searched for new areas for the Museum to research and excavate. Here, he is shown on camelback, surveying sites in Afghanistan ca. 1952. Bottom left, Chester Gorman (left) headed the Ban Chiang, Thailand, excavations from 1973 to 1975. He is shown here examining ceramic sherds with colleagues.

Top right, as Curator of the Near East Section, Robert H. Dyson, Jr., continued the Museum’s pioneering work in Iran. In 1958, he discovered the gold bowl shown in this photograph that was published in *Life* Magazine. He became Museum Director in 1981.

Middle right, William Robertson Coe II was a skilled surveyor and meticulous draftsman, shown here with a plane-table alidade at Tikal, Guatemala, in 1957. Photograph by George Holton. Bottom right, Rodney Young directed the Gordion excavations from 1950 until his death in 1974.
Top left, Fro Rainey wrote the Philadelphia Zoo in 1968 for advice on “liberating” snakes in what is now the koi pond at the Main Entrance. Here is the response he received. Right, from top to bottom: Cape Gelidonya, Turkey, 1960–1961. Underwater archaeologists are shown taking notes and tagging objects during the excavation of an ancient shipwreck. This was the first excavation to adapt the standards of land archaeology to underwater remains, including the use of a grid system to record finds. The submarine “Asherah” was displayed at the Museum’s main entrance in 1967. This two-person submersible craft was built by the Electric Boat Company, a Division of General Electric, and outfitted with a camera to document the sea floor. Its crew employed arms or hooks to hoist objects from the bottom. This was the first sub made for scientific purposes in this country. Elizabeth Ralph and Alfred Kidder check samples from Venezuela in the Penn Museum, ca. 1958. Ralph was a pioneer in the use of radiocarbon dating in archaeology.

In the process of taking stock of its collections, the Museum has also rediscovered them. The 1980s saw the revitalization of the Museum’s exhibition program and the creation of its first traveling exhibitions. More recently, with the implementation of the North American Grave Protection and Repatriation Act in 1990, the Museum has reconnected with Native American communities, establishing ties with the groups whose ancestors created the artifacts in the Museum’s collection.

Now in its 13th decade, the Museum continues to grapple with its past and its future. Restoring the building, publishing its excavation results, cataloging its collections, digitizing its records, and making them accessible online are the goals. In addition, issues of cultural patrimony and repatriation are of worldwide concern. Who says object collections are a thing of the past?

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