



# from the director

It's been another exciting and productive year! Four special exhibitions on dinosaurs, ancient Egypt, historic Knoxville, and the Gilded Age reflect our broad mission to advance an understanding of the earth and its peoples. Our strong education programs build on this, extending learning opportunities to over 11,000 K-12 and university students as well as attendees at monthly Family Days and Stroller Tours. Not to mention the almost 44,000 regular visitors to our exhibitions and special programs.



A highlight of the year was the acquisition of a Native American, female stone statue from the Sellars archaeological site in Wilson County, Tennessee. The 700-year-old statue is the apparent mate to the museum's iconic male statue, which was designated the Tennessee State Artifact in 2014. These national treasures join other important examples of prehistoric art and technology in the exhibition *Archaeology and the Native Peoples of Tennessee*. For those that made this acquisition possible, I thank you for your generosity.

After more than a quarter century of service that engaged more than 200,000 students, Debbie Woodiel retired in December. She was my first hire, and under her leadership as an educator and assistant director, the museum blossomed as an educational resource. Her legacy is being capably carried forward by Leslie Chang Jantz and Callie Bennett.

I hope you'll take a close look at this report. It is filled with stories about exciting and collaborative programs and research projects that utilize and expand our nationally significant research collections in archaeology and malacology. These efforts help the museum achieve its vision to become a nationally recognized museum, which in turn elevates the University of Tennessee's efforts to become a top-tier public institution focused on research, scholarship, and creative activity. Great universities have great museums.

Finally, I am deeply honored and moved by the creation this year of the Jefferson Chapman Directorship Endowment. Thank you for this recognition.

A handwritten signature in black ink, reading "Jeff Chapman".

Jefferson Chapman, Director



Chancellor Emeritus Jimmy Cheek and Director Jeff Chapman announce the reuniting of the Sellars female statue with her male counterpart.

On the cover:

**Statuette of a Cat**

332-30 BC. Bronze, Brooklyn Museum, Charles Edwin Wilbour Fund, 37.427E.  
*Divine Felines: Cats of Ancient Egypt*.

**Painted Chinese porcelain teapot thought to belong to Colonel David Henley**

19th century. Knoxville *Unearthed: Archaeology in the Heart of the Valley*.

**Model of a Protoceratops**

*Dinosaur Discoveries: Ancient Fossils, New Ideas*.





## MUSEUM BOARD OF ADVISORS

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 Gerald Schroedl  
 Clarence Williams

## MUSEUM STAFF

Jefferson Chapman  
*Director*  
*Research Associate Professor*

Deborah Woodiel  
 (retired December 2016)  
*Assistant Director*  
*Museum Educator*

Timothy Baumann  
*Curator of Archaeology*  
*Research Associate Professor*

Callie Bennett  
*Assistant Educator*  
 (since January 2017)

Lecy Campbell  
*Museum Store Manager*  
 (since April 2017)

Leslie Chang-Jantz  
*Family Programs Coordinator*  
*Curator of Education*  
 (since January 2017)

Gary Crites  
*Curator of Paleoethnobotany*  
*Research Assistant Professor*

Gerald Dinkins  
*Curator of Natural History*

Matthew Esselburn  
*Security*

Lindsay Kromer  
*Media Productions*  
*Coordinator*

Joan Markel  
*Civil War Curator*

Kimberly Pack  
 (until April 2017)  
*Museum Store Manager*

Stacy Palado  
*Associate Director of*  
*External Relations*

Shannon Perry  
*Registrar*  
 (until June 2017)



## vision

The McClung Museum of Natural History and Culture will be one of the top university museums in the country.

## mission

The McClung Museum of Natural History and Culture complements and embraces the mission of the University of Tennessee, Knoxville.

The McClung Museum of Natural History and Culture seeks to advance understanding and appreciation of the earth and its natural wonders, its peoples and societies, their cultural and scientific achievements, and the boundless diversity of the human experience. The museum is committed to excellence in teaching, scholarship, community service, and professional practice.

## attendance

The museum continues to serve visitors from Knoxville and nearby communities, tourists, and the university community of students and faculty. During fiscal year 2017, there were 3,871 students enrolled in classes that met at the museum. This translates to a high per capita student building usage—roughly 125,000 visits. These students are exposed to exhibits while waiting for classes and most look around the museum several times a semester. K–12 and university students engaged in museum programs detailed in the education section of this annual report.

The visitor count at the museum, including nonuniversity school groups, and excluding students attending classes in the museum, totaled 55,262. Based on the guest register (signed by less than 4 percent of the visitors), museum visitors came from 44 states; Washington, DC; Puerto Rico; Guam; and 14 foreign countries. As expected, the majority are from Knoxville and surrounding counties.



Catherine Shteynberg  
Curator/Head of Web  
and Media  
Assistant Director  
(since January 2017)

Adriane Tafoya  
(since June 2017)  
Registrar

Tiffany Vaughn  
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Lindsey Wainwright  
Coordinator of  
Academic Programs

Chris Weddig  
Exhibits Coordinator

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Alex Craib, Archaeology  
Oscar James Early, Collections  
Mark Babin, Education  
Christian Allen, Education  
Erika Lyle, Archaeology  
Robert W. Rennie, Academic Programs  
Stephanie Teague, Academic Programs  
Maggie Yancey, Collections

## INTERNS

Baily Avent  
Christine Dano Johnson  
Riley Kliethermes  
Melinda Narro  
Paris Whalon

## POST DOCTORAL RESEARCHER

Donna McCarthy

## MUSEUM STORE

Bailey Avent  
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Melinda Narro  
Aryanne Robbins

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Samuel Gleason  
Kristin Irwin  
Chris Lassen  
Ashley McKinney  
Sarah McPhaul  
Rebekkah Orbach  
Anna Patchen  
Erin Scott  
Stephanie Teague  
Kirby Trovillo  
Thomas Vigliotta  
Rachel Vykukal  
Paris Whalon  
Madeline Wood

## WORK-STUDY

William Doster  
Alyssa Garcia  
Daniel Ogletree  
Anthony Parrott  
Joakim Schmidt  
Kassidy Wallace  
Heather Woods

## Special Exhibitions

*Dinosaur Discoveries: Ancient Fossils, New Ideas.* June 4–August 28, 2016. Organized by The American Museum of Natural History, in collaboration with California Academy of Sciences, San Francisco; The Field Museum, Chicago; Houston Museum of Natural Science; and the North Carolina Museum of Natural Sciences, Raleigh. Presented by Raoul and Marie L. Verhagen Museum Fund, Nick and Fran Newell Museum Fund, First Tennessee Foundation, the Keller Group, and Bacon & Company. Additional support provided by Knox County, City of Knoxville, and the Arts and Culture Alliance.



**Model of a Protoceratops**  
Exhibition *Dinosaur Discoveries: Ancient Fossils, New Ideas.*

*Knoxville Unearthed: Archaeology in the Heart of the Valley.* September 17, 2016–January 8, 2017. Presented by Visit Knoxville, City of Knoxville, Ready for the World, and McCarty Holsaple McCarty. Additional support provided by Knox County and the Arts and Culture Alliance. Curated by Timothy Baumann and Charles Faulkner.

*Divine Felines: Cats of Ancient Egypt.* February 4–May 7, 2017. Organized by the Brooklyn Museum. Presented by the Elaine A. Evans Museum Fund, Aletha and Clayton Brodine Museum Fund, First Tennessee Foundation, Ready for the World, Archaeological Institute of America—East Tennessee Society, Audrey Duncan, Drs. Wahid and Samia Hanna, UT College of Veterinary Medicine, and the Arab American Club of Knoxville. Additional support provided by Knox County, City of Knoxville, and the Arts and Heritage Fund. Curated by Yekaterina Barbash.



Young visitors at the *Divine Felines* exhibition.

*Fish Forks and Fine Furnishings: Consumer Culture in the Gilded Age.* May 26–August 27, 2017. Presented by Home Federal Bank, the Henley and Peggy Tate Museum Fund, Clarence Brown Theatre, City of Knoxville, Knox County, Arts and Heritage Fund. Curated by Catherine Shteynberg and curatorial assistant, Melina Narro.

*Echinoderms and the Tree of Life.* Ongoing. Graduate research exhibit by Jen Bauer, Ryan Roney, and Sarah Sheffield, Department of Earth and Planetary Sciences.

*Ancient Dogs of West Tennessee.* Ongoing. Graduate research exhibit by Meagan E. Dennison, Department of Anthropology.

*Botanical Illustrations of Besler, Catesby, Blackwell, and Redouté.* Ongoing. Print exhibition case.

*The First World War and Knoxville: Through the Eyes of Harry Moreland.* March 30–July 7, 2016. Case exhibit curated by Robert W. Rennie, graduate fellow in Academic Programs at McClung Museum.

*Land, Sea, and Spirit: Alaska Native Art from the 19th and 20th Centuries.* July 12–February 14, 2017. Case exhibit curated by Christine Dano Johnson, curatorial intern.

*Selling Egypt: Imagery in Victorian Advertising.* February 14–July 6, 2017. Exhibit case curated by Melinda Narro, curatorial intern.

*Life on the Roman Frontier.* Ongoing case exhibit. Curated by Robert Darby, Department of Art History.

## Long-Term Exhibitions

*Ancient Egypt: The Eternal Voice*

*Archaeology and the Native Peoples of Tennessee*

*Geology and the Fossil History of Tennessee*

*The Decorative Experience*

*Human Origins: Searching for Our Fossil Ancestors*

*The Battle of Fort Sanders, November 29, 1863*

*Treasures Past and Present: Freshwater Mussels*

## Exhibition-Related Lectures and Special Events

“Dinosaurs and Fossils.” Family Fun Day, July 9, 2016.

Archaeokids Camp, July 11–15, 2016.

Little Artists Camp, July 13–14, 2016.

“A Trip to Ancient Rome.” Stroller Tour, July 18, 2016.

“Stories from the Cave.” Stroller Tour, August 15, 2016.



McClung After Dark. Welcome UT students, August 18, 2016.

New Faculty Reception, August 26, 2016.

"Sailing Along the Nile." Family Fun Day, August 27, 2016.

"History and Rhythm." Family Fun Day, September 10, 2016.

"Trading in the New World." Stroller Tour, September 12, 2016.

"Knoxville Unearthed: Archaeology in the Heart of the Valley." Lecture by Timothy Baumann and Charles Faulkner, September 20, 2016.

Historic Archaeology Symposium, October 1, 2016.

Scribathon. Transcription of the 1st US Colored Troops Heavy Artillery Regimental Records by UT Chancellor's Honor Students, October 2 and November 13, 2016; January 15, February 5, March 5, and April 9, 2017.

"Down and Around Knoxville." Stroller Tour, October 3, 2016.

"Unexpected Treasures: An Evening with Lark Mason." Fundraising Event, October 9, 2016.

"Can You Dig It?" International Archaeology and National Fossil Day, October 16, 2016.

"Forgotten Memorials." Civil War Bus Tour with Joan Markel, October 23, 2016.

"Subterranean Knoxville: The Buried Narrative of a Distracted City." Lecture by Jack Neely, October 30, 2016.

"Historic Preservation in Knoxville." Lecture by Kim Trent, November 6, 2016.

"Hooray for Elections." Stroller Tour, November 11, 2016.

"Civil War: A Soldier's Day." Family Fun Day, November 13, 2016.

"Birds and Prints." Family Fun Day, December 10, 2016.

"Tweeting Away!" Stroller Tour, December 12, 2016.

"Celebrate the Chinese New Year." Family Fun Day, January 21, 2017.

"Year of the Rooster." Stroller Tour, January 23, 2017.

"Longstreet in East Tennessee." Civil War Lecture by Joan Markel, January 29, 2017.

"Mummification in Ancient Egypt." Lecture by Robert Brier, February 21, 2017.

"Purrs from the Past." Family Fun Day, February 25, 2017.

"Sherman, Poe, and Barnard." Civil War Lecture by Joan Markel, February 26, 2017.

"Kitties and Toddlers." Stroller Tour, February 27, 2017.

Fort Dickerson Civil War Hike with Joan Markel, March 18, 2017.

"Cat Behavior." Lecture by Julie Albright, March 19, 2017.

"To Kitties' Health." Family Fun Day, March 25, 2017.

"Old Roads—Civil War History." Lecture by Joan Markel, March 26, 2017.

"Art and Materials." Stroller Tour, March 27, 2017.

"Mummies 101." Stroller Tour, April 10, 2017.

"The Common Man in the Civil War." Lecture by Joan Markel, April 23, 2017.

"Treasures from the Vault." Family Fun Day, August 29, 2017.

"Around the Union Line." Civil War Bus Tour with Joan Markel, April 30, 2017.

First Friday Open House, May 5, 2017.

"Day of Clay." Family Fun Day, May 6, 2017.

"Mask Makers." Stroller Tour, May 15, 2017.

"Tea Time with Toddlers." Stroller Tour, June 12, 2017.

Jurassic Kids Camp, June 13–15, 2017.

Dino Explorers Camp, June 20–22, 2017.

"Mind Your Manners." Family Fun Day, June 24, 2017.

Archaeokids: Exploring Ancient Art and Archaeology Camp, June 26–30, 2017.



A Family Fun Day celebrating the Chinese new year.



## CONTRIBUTIONS TO THE McCLUNG MUSEUM

July 1, 2015–June 30, 2016

*The museum has made every effort to check the accuracy of this report. We sincerely regret any errors or omissions that may have escaped our scrutiny. Every contribution to the McClung Museum makes a difference and is greatly appreciated.*

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## Lectures Co-Sponsored by the Museum and the East Tennessee Society of the Archaeological Institute of America

“Etruscan Human Sacrifice in Myth and Ritual.” Lecture by Nancy de Grummond, Florida State University, October 13, 2016.

“Early Human Settlement in the Americas.” Lecture by David Anderson, University of Tennessee, November 10, 2016.

“The Lion Gate Relief and Treasury of Atreus at Mycenae: New Evidence for Shared Technology in Bronze Age Stone Working.” Lecture by Nick Blackwell, North Carolina State University, January 19, 2017.

“The Ancient Athenian Naval Bases in the Piraeus—The Backbone of the World’s First Democracy.” Lecture by Bjørn Lovén, Saxo Institute, University of Copenhagen, February 7, 2017.

“The Ark Before Noah.” Lecture by Irving Finkel, British Museum, London, March 21, 2017.

“Going West: the 2016 Pilot Season of the Project ‘Gardens of the Hesperides: The Rural Archaeology of the Loukkos Valley’ in Northern Morocco.” Lecture by Stephen Collins-Elliott, University of Tennessee, April 11, 2017.

## Additions to the Collections

Twenty antique maps of Asia. Gift of Don Sheff, 2016.6.

Eleven antique prints by Leonard Fuchs, Johann Leonhard Frisch, Elizabeth Blackwell, Maria Sibylla Merian, Albertus Seba, Marcus Elieser Bloch, and Georges-Frédéric Cuvier. Gift of John Glynn, 2016.7.

Antique map of Belgium. Gift of Louis O’Neill, 2016.8.

Forty-one antique prints by Mark Catesby, Daniel Giraud Elliot, and Thomas L. McKenney and James Hall. Gift of Jeffery Leving, 2016.10.



**Spring Frog, A Cherokee Chief**  
Hand-colored lithograph by John T. Bowen, 1842. Gift of Jeffery Leving, 2016.10.35.

Pierre-Joseph Redouté. Gift of Don Stevens, 2016.11.

Excavation photographs from the Fudd-Campbell site (40CR3). Museum purchase. 2016.12.

“To Marry.” Color lithograph by Elizabeth Catlett. Museum purchase 2017.1.

Nine antique prints by Elizabeth Blackwell and Basil Besler. Gift of Jeffery Leving, 2017.2.

Ceramic Nayarit Chinesco female figure and two reproduction ceramic figures. Gift of Jeff Pecor, 2017.3.



**Ceramic Nayarit Chinesco figure**  
300 BC-AD 300. Gift of Jeff Pecor, 2017.3.1.

“Animal Locomotion.” Photograph by Eadweard Muybridge. Museum purchase, 2017.5.

Two hand-colored engravings by Basil Besler. Museum purchase, 2017.6.

Female statue from the Sellars Site, Wilson County, Tennessee. Museum purchase, 2017.7.

Three hundred freshwater mussel specimens. Gift of Tim Broadbent.

Three thousand five hundred mussels and aquatic snails. Gift of Gerald Dinkins.

Several hundred mussels and aquatic snails. Gift of the Alabama Aquatic Biodiversity Center.



**Chili Pepper**  
Hand-colored woodcut on paper by Leonard Fuchs, Basel, 1547. Gift of John Glynn, 2016.7.1.

## Financial Summary

### INCOME

University	\$1,103,106	(56.4%)
Unrestricted	196,276	(10.0%)
Restricted	256,707	(13.1%)
Endowment	167,509	(8.6%)
TVA	80,448	(4.1%)
Knox County	21,845	(1.1%)
City of Knoxville	5,500	(0.3%)
Arts & Culture Alliance	6,401	(0.3%)
Museum Store	32,346	(1.6%)
Donation Box	7,060	(0.4%)
Fund Transfer	78,635	(4.0%)

**Total** **\$1,955,833**

### What Does Private, Non-University Money Support?

- 90 percent of all exhibits
- K-12 and community programs (lectures, Family Fun Days, Stroller Tours, events)
- Acquisitions
- 5 staff members
- 12 student assistants
- 7-day-per-week guard service
- 75 percent of all operating expenses (except utilities, janitorial, and insurance)

### EXPENSES

Salaries	\$888,462	(45.4%)
Benefits	274,741	(14.0%)
Student fees	41,153	(2.1%)
Guard services	39,505	(2.0%)
Catering	8,658	(0.4%)
Equipment	15,527	(0.8%)
Exhibits	113,381	(5.8%)
Collections care	9,938	(0.5%)
Memberships	5,324	(0.3%)
Postage	4,049	(0.2%)
Telephone	6,216	(0.3%)
Travel	8,413	(0.4%)
Computer services	5,163	(0.3%)
Media Processing	21,556	(1.1%)
Store for resale	17,164	(0.9%)
Utilities	119,359	(6.1%)
Custodial/maint.	59,178	(3.0%)
Insurance	42,110	(2.6%)
Admin. costs (TVA)	15,445	(0.8%)
Other operating	3,784	(0.2%)
Acquisitions	256,707	(13.1%)

**Total** **\$1,955,833**

*Note: Percentage totals will vary from 100 percent due to rounding.*

## Endowments

The market value of the museum's 13 endowments as of June 30, 2017, was \$3,674,125—an increase of 3 percent over last year. This includes \$104,777 in Jefferson Chapman Museum Director endowment contributions.

## Digital Stats

- 75,140 Unique visitors to the McClung Museum website (-13%) [New website launched October 24, 2016]
- 3,855 Facebook likes (+18%)
- 2,121 Twitter followers (+7%)
- 2,836 Monthly e-newsletter subscribers (+3%)
- 992 Instagram followers (+31%)

## Awards Received

Award of Excellence from the Tennessee Association of Museums awarded to Museum Educator Leslie Chang Jantz in recognition of superlative achievement for an Emerging Museum Professional.

Award of Excellence from the Tennessee Association of Museums in recognition of superlative achievement for Educational Programming of the Maya Festival.

American Automobile Association Gem Attraction.

Trip Advisor Certificate of Excellence; No. 13 of top things to do in Knoxville.



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# research



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Dr. Arthur and Cynthia Bogan

## ARTS AND CULTURE COLLECTIONS

Registrar Shannon Perry was helped by graduate assistants Maggie Yancey (fall 2016) and Rachel Vykukal (spring 2017). Projects included preparing objects for use by a steady stream of university classes and K–12 educational programs, completing detailed cataloguing and photography of new and recent acquisitions, and conducting a focused inventory and condition assessment of the museum's furniture collection. Perry and curator Catherine Shteynberg worked together to continue to launch new online collections throughout the year.

Students, staff, and faculty used our Arts and Culture collections extensively in the past year as part of academic research. Shteynberg oversaw student research including the creation of two mini-exhibitions. Christine Dano Johnson, summer/fall 2016 curatorial intern, drew upon the museum's Alaska Native collections to curate her own mini exhibition—*Land, Sea, and Spirit: Alaska Native Art from the 19th and 20th Centuries*. Fall/winter 2017 curatorial intern Melinda Narro investigated the convergence of the Victorian public's fascination with Egypt and the growth of Western marketing in her mini-exhibition *Selling Egypt: Imagery in Victorian Advertising*. Both exhibitions provided an invaluable professional development opportunity for students as well as collections information for our Arts and Culture database.

Narro also assisted Shteynberg with research and label writing for special exhibition, *Fish Forks and Fine Furnishings: Consumer Culture in the Gilded Age*. The exhibition almost exclusively featured objects from the permanent collections, resulting in much new and more accurate information in the museum's database on both objects and on donors who gave Victorian-era objects to the museum. Shteynberg also collaborated with Kyle Schellinger and Melissa Caldwell-Weddig of the Clarence Brown Theatre on the exhibition, drawing upon their expertise to properly drape, conserve, and display a three-piece afternoon dress and a woman's hat from the late 1800s. Schellinger also helped date several other 19th-century American dresses in the collections.

Spring/summer 2017 curatorial intern Riley Kliethermes completed extensive research on the museum's 2D art collections, providing new information on many previously unresearched

prints and paintings. She also assisted with research for the possible development of an upcoming exhibition on clothing and accessories from around the world in the museum's permanent collections. Shteynberg continues work on developing possible future exhibitions on textiles from the permanent collections, the history of illicit substances in America, 19th-century photography of Biblical lands, 19th-century Knoxville studio photography, and the human experience of death.

Narro, Vyukukal, and Kliethermes also helped maintain the Object of the Week feature on the museum's website and social media platforms.

Other universities had students conducting research in the collections on Knoxville during the Civil War and Knoxville areas that were part of the 1917 Private Acts annex.

The vast majority of research conducted by curatorial and museum staff, as well as by faculty, in the Arts and Culture collections was related to academic programs, and use of the collections for teaching and learning.





## ARCHAEOLOGY AND PALEOTHNOBOTANY

The year began with graduate assistant Alex Craib completing his thesis on late Paleoindian and Early Archaic populations in the middle to lower Tennessee River Valley. He specifically studied Dalton-type stone spear points looking for patterns in manufacturing, size, and chert types that may reflect the movement and relationships between populations at this time. Replacing him as the graduate assistant was Mark Babin, a master's student from Memphis with a research interest in Cherokee heritage in East Tennessee. He plans on studying glass trade beads from Cherokee sites that are curated at the McClung Museum for his thesis.

**Dalton-type stone spear points**  
ca. 8000 BC.



An ongoing project in the archaeology lab has been to rehabilitate the Tennessee Valley Authority's archaeological collections curated at UT. This was the third year we received TVA funding, which was used to hire graduate assistant Erika Lyle and undergraduate students to organize, digitize, and rehouse the associated archeological records (e.g., photos, maps) from TVA reservoir projects. The focus for the past year was to complete the digitization of all photographic records, particularly from the Tellico project, which has nearly 20,000 color slides.

A highlight of the year was the fall 2016 exhibition *Knoxville Unearthed: Archaeology in the Heart of the Valley* that celebrated Knoxville's 225th anniversary by exploring the city's heritage as seen through archaeological discoveries. The exhibition was curated by Professor

Emeritus Charles Faulkner and the museum's Curator of Archaeology Timothy Baumann and told the story of Knoxville's development from a frontier settlement to an industrialized city with a display of historic artifacts unearthed in and around Knoxville, along with historical images, maps, documents, and oral histories. Several historic house museums in Knox County collaborated on this exhibit and provided artifacts uncovered from excavations by Faulkner and his students.

Archaeological research in Knoxville was also done as a result of federal highway or building construction as well as downtown development projects (e.g., 1982 World's Fair, Charles Krutch Park). Some highlights included artifacts from the Weaver Pottery factory that were used to explain the history of Knoxville's stoneware industry and a British tea pot that once belonged to Colonel David Henley and was found at the site of his office in Knoxville where the Tennessee constitution was written and signed.

Educational and public programming with the Knoxville exhibit consisted of a teacher workshop, the 2016 Southeastern Conference on Historic Sites Archaeology, and special lectures. The teacher workshop was conducted in collaboration between the McClung Museum and the East Tennessee Historical Society and focused on the enslaved African Americans at the Blount Mansion. Teachers were introduced to the different types of research data that can be used to study slavery and how they could incorporate this into their classroom curriculum.



**Blue Transfer Print Whiteware**  
19th century.



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# research



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The biggest challenge for the museum's archaeological collection has been and will continue to be with the Native America Graves Protection and Repatriation Act of 1990 (NAGPRA). This law was passed to protect Native American burials from future desecration as well as providing a legal method for the repatriation or disposition of Native American remains, funerary objects, sacred objects, and objects of cultural patrimony that were collected prior to 1990 to federally recognized tribes. Overall, UT has the second largest collection of prehistoric human remains and associated/unassociated funerary objects in the United States that are subject to NAGPRA. In order to meet our legal and ethical obligations, UT created a new NAGPRA committee in May 2017 to oversee consultation with tribes and to develop procedures and timetables for this repatriation or disposition process. Consultation is ongoing with the Eastern Band of Cherokee Indians, the Cherokee Nation, the Keetoowah Band of Cherokee Indians, and the Chickasaw Nation of Oklahoma.

Research and scientific inquiries on the archaeology collections are nonstop, as are identification requests from the public. The museum has been contacted by scholars and students from academic institutions and government agencies in Georgia, Illinois, Kentucky, Massachusetts, Mississippi, Missouri, New York, Pennsylvania, and Tennessee. Overall, research has resulted in more than 25 publications or presentations, one completed thesis, one exhibit, and more than 10 ongoing graduate dissertation/thesis projects. The study of the museum's prehistoric skeletal collections continues to be the most common area of research. This includes work by Maria Smith at Illinois State University, who presented a paper on deliberate intergroup violence (e.g., inflicted projectile points, blunt force cranial trauma, scalping) after examining more than 1,300 prehistoric skeletons from 20 late prehistoric sites in East Tennessee and Tessa Somogyi and Elizabeth Digangi at Binghamton University, who analyzed 472 prehistoric skeletons reevaluating the relationship between cribra orbitalia and porotic hyperostosis lesions as biomarkers of stress.

Curator of Paleoethnobotany Gary Crites has collaborated with Baumann in the study and dating of archaeological beans in the Southeast (the earliest dating to AD 1309). To facilitate this research, research assistant Christopher Lassen has located and consolidated the archaeological beans in the museum's collections.

Anticipating future research into absorbed residues on prehistoric ceramics, a modern "heirloom" comparative bean collection has been established which hopefully will yield chemical signatures to identify the presence of beans in food processing.

## MALACOLOGY

In fiscal year 2017, the Paul W. Parmalee Malacological Collection added 800 lots and 3,246 specimens to its cataloged database, bringing the total number of cataloged specimens to 141,990 and the number of lots to 11,498. Specimens were received from individuals as well as agencies. Over the course of one month in late 2016, the mollusk lab received several collections of dead mussels from the upper Clinch River near the Tennessee-Virginia border. These shells were discovered during annual biological monitoring of the river by biologists with TWRA, US Geological Survey, US Fish and Wildlife Service, and the Office of Surface Mining. The exact cause of the mussel die off could not be determined, but it appeared to be associated with poor water quality and drought conditions. In all, 3,585 specimens representing 33 species from nine locations were brought to the mollusk lab from the upper Clinch River for identification and processing as part of the state and federal investigation. These specimens included 2,663 specimens of 15 federally endangered species.

Dinkins and collections manager Kristin Irwin gave a number of presentations about the status of Tennessee's mussel fauna and activities in the mollusk collection to a number of local and national audiences. In February, they organized and led a workshop on freshwater mussel identification and ecology at the annual meeting of the Tennessee Chapter of the American Fisheries Society. Later that same month, Dinkins participated in a two-day workshop at the Tennessee Aquarium to develop data-driven hydrologic unit maps of the southeastern United States featuring freshwater mussel occurrence. Dinkins and Irwin also organized and led a two-day laboratory and field sampling exercise on the Nolichucky River. The participants were 38 upper-level undergraduates in the 2016 fall Camp for the Wildlife and Fisheries Science Department.

In April, the mollusk lab was toured by three researchers from the Institute of Freshwater Biology in Osaka, Japan. The researchers are writing a book on the Mississippi River to



be published in Japan and were interested in learning about freshwater mussels not just in the western part of Tennessee, but in middle and East Tennessee rivers as well. The mollusk lab and staff was also featured in an article on freshwater mussels appearing in the summer 2017 edition of *Oxford American*.

Ashley Slater, a graduate student in the environmental science department, is nearing completion of her research on the age structure of freshwater mussels in the lower Holston River. Slater is a frequent volunteer in the mollusk lab, and earlier this year she began cataloging and databasing the late Paul Parmalee's zooarcheological material stored in the mollusk lab. To date, she has databased several hundred entries consisting of several thousand items. Irwin is also a graduate student in the Department of Wildlife and Fisheries Science. Working with Dinkins, she is completing her thesis on the freshwater mussels of the Harpeth River and its tributaries as well as the Upper Duck River tributaries in Middle Tennessee.



Gerry Dinkins instructs undergraduates from the UT Wildlife and Fisheries Science department.



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### Baumann, Timothy and Charles Faulkner

*Knoxville Unearthed: Archaeology in the Heart of the Valley.* Exhibition at the McClung Museum of Natural History and Culture, University of Tennessee, September 17, 2016–January 8, 2017.

“Knoxville Unearthed: Archaeology in the Heart of the Valley.” Presentation given for the 44th annual lecture series of the Archaeological Institute of America’s East Tennessee Society in Knoxville, Tennessee, September 20, 2016.

“Knoxville Unearthed: Archaeology in the Heart of the Valley.” Paper given at the 5th annual Southeastern Conference on Historic Sites Archaeology in Knoxville, Tennessee, September 30 – October 2, 2016.

“Knoxville Unearthed: Archaeology in the Heart of the Valley.” Paper given at the 73rd annual Southeastern Archaeological Conference in Athens, Georgia, October 26–29, 2016.

### Craib, Alexander

“Dalton Mobility in the Tennessee River Valley: An Assessment of Raw Material Use and Tool Curation.” Master’s thesis, Department of Anthropology, University of Tennessee, Knoxville, 2016.

### Crites, Gary D.

“Pre-Columbian Food Plant Production and Domestication in the Cherokee Country.” Paper presented at the annual Cherokee Archaeological Symposium, Cherokee, North Carolina, September 21–22, 2016.

### Dinkins, Gerald R.

“Survey for freshwater mussels in the vicinity of streams in the vicinity of streams along the path of the B-System project, Franklin and Fairfield Counties, Ohio.” Report to CH2M Hill Engineers, Inc. and Columbia Gas Transmission, LLC. October 2016.

“Assessment of the mussel translocation area on the Licking River in the vicinity of the Columbia Gas Transmission E-Systems Project, Nicholas and Robertson Counties, Kentucky.” Report to CH2M Hill Engineers, Inc. and Columbia Gas Transmission, LLC. October 2016. September 2016.

“Bioassessment of the Nolichucky River in the vicinity of the US Nitrogen discharge/intake, Greene/Cocke County, Tennessee.” Report to EnSafe Inc. November 2016.

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“Survey for freshwater mussels in tailrace below Wallace Dam, Georgia.” Report to Georgia Power. October 2016.

“Survey for freshwater mussels in the Tennessee River in the vicinity of Rail Bridge 331.2-CNO, Piers 8, 9, 10, 11 and 12, Hamilton County, Tennessee.” Report to Hanson Professional Services Inc. June 2017.

“Assessment of native mussels in horse trail crossings in Big South Fork Cumberland River at Station Camp Creek and Big Island, and in North White Oak Creek at Groom Branch and Zenith.” Report to National Park Service. January 2017.

“Survey for the Snail Darter (*Percina tanasi*) in the vicinity of the East Brainerd Pumpstation project, Hamilton County, Tennessee.” Report to RTD Construction. July 2016.

“Aquatic protected species report: survey for Cherokee Darter (*Etheostoma scotti*) in streams along the path of the Atlanta Gas Light corridor, Paulding County, Georgia.” Report to Woodward and Curran Inc. September 2016.

“Status and history of freshwater mussel research in Tennessee.” Presentation given to the SERTOMA club of North Knoxville. January 2017.

“Freshwater mussels in Tennessee: Ecology, distribution, and conservation status.” Presentation given to annual meeting of the Tennessee Wildlife Resources Commission, Knoxville. October 2016.

“Ecology and conservation status of freshwater mussels in Tennessee.” Presentation given to upper level managers with the US Fish and Wildlife Service. July 2017.

“The Bishop Stephen Elliott Mollusk Collection: A private collection of historical significance.” Presentation to the Alabama Freshwater Mollusk and Crayfish Meeting, Eufala, Alabama. January 2017.

“Taxonomy, ecology and identification of freshwater mussels in the Great Smoky Mountains National Park, and efforts to monitor and reintroduce species into Abrams Creek.” Presentation and workshop given to Ecology and Evolutionary Biology

461, University of Tennessee. May 2017.

### Eldridge, Robert T. and Gerald R. Dinkins

“Habitat and benthic macroinvertebrate community assessment of streams on the University of Tennessee, Knoxville, campus.” Report to the University of Tennessee, Facilities Services. June 2017.

### Dinkins, Gerald R. and Kristin L. Irwin.

“Freshwater mussels of Tennessee: identity and ecology.” Lecture and workshop given to Tennessee Chapter of American Fisheries Society annual meeting, Knoxville, Tennessee. February 2017.

“Historical fauna of freshwater mussels in the Little Tennessee River system between Calderwood Dam and the confluence with the Tennessee River.” Presentation given to the National Park Service. April 2017.

“Update and status of research associated with the Paul W. Parmalee Malacological Collection, McClung Museum, University of Tennessee.” Presentation given to the Tennessee Endangered Mussel Committee annual meeting, Nashville, Tennessee. December 2017.

### Irwin, Kristin L.

“Mussel survey of the Barren River system in north-central Tennessee.” Presentation given to the University of Tennessee Chapter of the Wildlife Society, Knoxville, Tennessee. February 2017.

### Irwin, Kristin L. and Gerald R. Dinkins.

“The Bishop Stephen Elliott Mollusk Collection: a private collection of historical significance.” Presentation to the Freshwater Mollusk Conservation Society, Cleveland, Ohio. March 2017.

### McCarthy, Donna

“Inventory and Skeletal Analysis of the Gray Farm Site (40Sw1), Stewart County, Tennessee. NAGPRA Report #1,” McClung Museum of Natural History and Culture, University of Tennessee, Knoxville, 2017.

“40Pk1 Revisited: Inventory and Skeletal Analysis of the Ocoee Site, Polk County, Tennessee. NAGPRA Report #2,” McClung Museum of Natural History and Culture, University of Tennessee, Knoxville, 2017.





Outreach Educator Ellen Bebb assists a student during a visit to Powell Middle School.



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\*denotes deceased

# education programs

## FAMILY PROGRAMS

This year we welcomed a new assistant educator and family programs coordinator to the team. Callie Bennett is a UT alumna with degrees in anthropology and psychology. She has ample experience working with children and with the McClung's collection. She has previously served the museum as a graduate assistant for the education department and led camps at UT's Kids U.

Attendance to the museum's family programs, consisting of Family Fun Days and Stroller Tours, continues to increase. This year we welcomed 3,520 participants, a 32 percent increase over 2016.

Continuing our efforts to involve members of the local community, this year's programs emphasized the diversity of cultures featured in our collections. In January 2017, the museum partnered with UT's Confucius Institute to offer a family day highlighting Chinese culture and the new lunar year traditions. The event featured musicians, dancers, martial arts and calligraphy demonstrations, and tours of the museum's Chinese art in the Decorative Arts gallery. Over 300 visitors enjoyed an afternoon of fun and tradition.

In February, we highlighted our exhibition *Divine Felines: Cats in Ancient Egypt* with a dedicated family day celebrating Egyptian culture. In collaboration with the Arab American Club of Knoxville, the event offered demonstrations of Arab writing, traditional dances, baklava samples, and tours of the temporary exhibit. The program was a great success with 500 visitors.

Stroller tour participants take part in a craft activity.



Our summer camp programs this year saw an increase in numbers: 85 participants compared to 53 in 2016. The most popular programs were Jurassic Kids, for toddlers and their caregivers, and Dino Explorers, for PreK and kindergarten campers. Both camps were filled to capacity and enjoyed positive reviews from participants and their families. We credit this rise in numbers to our increased online presence in social media, online registration offerings, our use of radio and television features, and our involvement in education tabling events throughout town.

## ADULT PROGRAMS

The museum's Civil War Curator Joan Markel continues to offer adult programming. Civic, heritage, church, community, educational and historical groups, and organizations all requested lectures and discussion on East Tennessee's traumatic Civil War past. Of special note was the Symphony League-sponsored luncheon and tour at Statesview, an historic home in West Knoxville built in 1805 by Charles McClung, grandfather of museum namesake Frank H. McClung.

The McClung Museum Civil War Lecture Series ran one Sunday afternoon a month from January to April with excellent attendance from both the community and the university. The topics were: "Longstreet's Plunge into Independent Command," "General Sherman, Captain Poe, and Mr. Barnard," "Day Trips to Sites of East Tennessee's Civil War History," and "Retrieving the Legacy of Local Civil War Heroes."

Sold-out bus tours included a look at the military landscape of 1863 Knoxville, both Union and Confederate lines, and a visit to cemeteries, monuments, and memorials hiding in plain sight around our city.



## PREK-12

After 25 years of service, Debbie Woodiel retired from her position as head educator at the McClung. Leslie Chang Jantz, former assistant educator, assumed the role of curator of education in January. Woodiel will remain involved in the museum through docent work in the galleries and outreach programming.

Attendance to museum programs for PreK-12 students, both in the museums and outreach to schools, totaled 6,976 students, a modest increase of 0.57 percent. Most of these groups were public schools (71 percent), private (17 percent), and homeschool (4 percent), with summer daycare, afterschool, Scout groups, and other special groups attending primarily in the summer.

Children at the "Dino Explorers" summer camp at the museum.





Public schools from 15 Tennessee counties came to the museum plus one from North Carolina and one from Virginia. Of the Tennessee counties, 63.7 percent of students lived in Knox County, followed by Sevier (6.5 percent), and Blount (6 percent).

The *Archaeology of Native Peoples of Tennessee*, *Ancient Egypt*, and *Geology & Fossil History of Tennessee* exhibitions were the most visited (50 percent, 29 percent, and 30 percent, respectively). *Art of World Peoples in the Decorative Experience* gallery saw 27 percent of students visiting, and *The Civil War in Knoxville* had 16.7 percent, *Human Origins* saw 3.6 percent. In the temporary exhibitions, *Knoxville Unearthed: Archaeology in the Heart of the Valley* had 31.65 percent of the four-month school total, and the *Divine Felines: Cats of Ancient Egypt* saw 27.23 percent of the four-month total.

The outreach program included 15 visits to elementary and middle schools with a total of 1,531 students participating, an increase of 0.13 percent from last year. This program charges \$2 per student, with low-income students served for free. Ancient Egypt, Archaeology of Native Peoples of Tennessee, and The Civil War in Knoxville are the three presentations offered to fourth grade and above. As in previous years, more students participated in the Ancient Egypt program. Markel conducted the Civil War outreach, volunteer Ellen Bebb taught the Ancient Egypt program, and Woodiel presented the archaeology programs.

The Enhanced Homeschool Program continued this year and included nine exhibition-related programs of 90-minutes duration, which allowed for hands-on activities in each. Students ranged in age from kindergarten to high school, with most being elementary age; total registration for the year was 180 students. Because these programs involved materials for activities, there was a \$5 cost per student. The same cost as last year. A development in the program was the implementation of online registration via Eventbrite. Caregivers' remarked on the convenience of this service in their program evaluations.

## ACADEMIC PROGRAMS



In the third year of academic programs, more than 2,000 students from over 40 departments across campus have been engaged in object-based learning at the museum under the leadership of Lindsey Jo Wainwright. This year the Alliance of Women Philanthropists awarded \$4,000 toward our budding collaboration with the School of Nursing, modeled on existing models such as that at Yale University. We also have seen exciting collaboration with the Department of Philosophy. Professor Nora Berenstein had

this to say about her visit: "Lindsey provided a fantastic hands-on tour through a series of objects that embodied the major themes we discussed in our class unit on the history of scientific racism. These included measurements and assumptions about anatomical 'normality,' racial typologies and taxonomies, eugenics and forced sterilization, and pseudoscientific justifications for segregation. The visit to McClung brought these historical realities to life for my students and enriched their learning experience enormously."

## SCRIBE-A-THON

As part of the Civil War Sesquicentennial Commemoration in 2014, the East Tennessee Civil War Alliance photographed more than 2,800 pages of the handwritten regimental records of the 1st United States Colored Troops Heavy Artillery Regiment. Through the partnership of the ETCWA, the Odd Fellows Cemetery Project, the McClung Museum, and the Chancellor's Honors Program, the transcription of these records to create a research database has made steady progress.

This academic year, on eight Sunday afternoons, 40 to 50 Chancellor's Honors students encountered 150-year-old handwritten military records full of abbreviations, misspellings, blurry ink, illegible penmanship, specialized terminology, and antiquated language usage. From that flawed raw material, the students are producing typed, legible, searchable historic records which have not been studied since they were archived more than a century ago.



**Tartaria**  
Hand-colored copperplate engraving on paper by Jodocus Hondius, France, 1606, Gift of Donald and Tina Sheff, 2016.6.4.

**McClung Museum of  
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## McCLUNG MUSEUM ON THE WEB

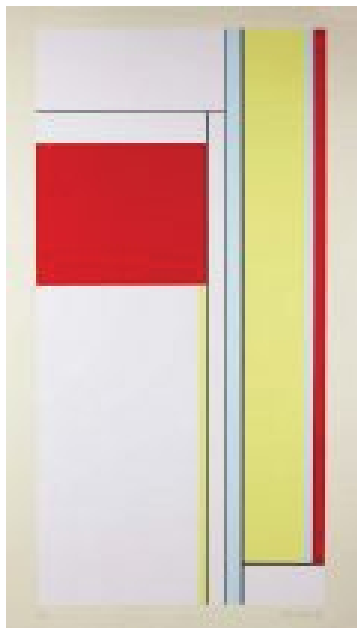
A portion of our Art & Culture collection is now available online at [mcclungmuseum.pastperfectonline.com](http://mcclungmuseum.pastperfectonline.com).



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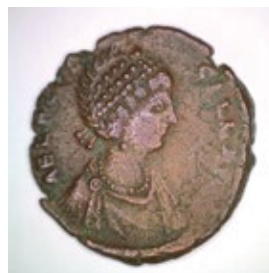
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Prints and Drawings



Antique Maps



Ancient Roman Objects



Photographs