



from the director

As I write this, the museum is preparing for the arrival of the new director, Claudio Gómez, the first to serve as the Jefferson Chapman Executive Director. As announced in our newsletter, Claudio has been the director of the National Museum of Natural History in Santiago, Chile. A highlight of this transition for me was a retirement fund-raising dinner at Cherokee Country Club in June. I have been truly honored and moved by wonderful letters, poems, and pictures that have been generated by my retirement.

Exhibitions this year—a history of mind-altering drugs, visual culture of the Civil Rights movement, art from indigenous communities in India, and recent acquisitions—reflect both our broad educational mission and the talents of our staff. Concomitant with our exhibits, both temporary and long term, were strong education programs comprising experiences for PreK-12, families, the community, and university classes. The introduction of a formalized student intern program has strengthened our programs and afforded training for seven undergraduates.

Strong research continued in the fields of archaeology, paleoethnobotany, and malacology. Renovation began for the installation of the Laboratory for Environmental Archaeology, a multi-disciplinary research lab within the UT Office of Research and Engagement's Core Facility Program. This should be fully functional by FY2020. Dominating the archaeology staff at the museum were activities in compliance with the federal Native American Graves Protection and Repatriation Act (NAGPRA), a process that will continue for a number of years.

I have thoroughly enjoyed this past and last year as director. I will miss the diversity of activities and experiences. I am confident the new director will continue the museum in its trajectory of enhanced educational and research involvement and impact on the university, the community, and the state. To ensure that this happens, I implore our members and sponsors to continue their support. Thank you.

Jeff Chapman
Director Emeritus



On the front cover: Spring 2019 Undergraduate Interns [front, l-r] Olivia Poston, Alexandra Watkins, Emma Vieser, Colby Sain; [back, l-r] Mallory Donoghue, Emily Fastenau, Caitlin Chitwood.

On the back cover: Local musicians play at the *Many Visions, Many Versions: Art from Indigenous Communities in India* exhibition opening.

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 university students, and faculty. During each semester, UT students attend classes in the museum auditorium two or three times each week. During Fiscal Year 2019, there were 2,998 students enrolled in classes that met either two or three times a week at the museum. This translates to a high per capita student building usage – roughly 235,000 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 are detailed in the Education section of the annual report.

The visitor count at the museum, including non-university school groups, and excluding students attending classes in the museum, totaled 45,221. Based on the guest register (signed by less than 4 percent of the visitors), museum visitors came from 42 states, DC, and 15 foreign countries. As expected, the majority are from Knoxville and surrounding counties.

MUSEUM BOARD OF ADVISORS

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Callie Bennett

Assistant Educator

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Gary Crites

Curator of Paleoethnobotany, Research Assistant Professor (Retired 1/1/2019)

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Director, Laboratory of Environmental Archaeology

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MUSEUM
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ASSISTANTS

Sadie Counts
Academic Programs

Matthew Hensley
Education

Jodie Chae Howard
Collections

Peggy Humes
Paleoethnobotany

Heather Woods
Archaeology

INTERNS

Caitlin Chitwood

Mallory Donoghue

Emily Fastenau

Olivia Poston

Colby Sain

Emma Vieser

Alexandra Watkins

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Jeffrey Norris

Rebekkah Orbach

Sara Peglow

Aryanne Robbins

Erin Scott

Kaylee Sheppard

Samuel Sporsen

Scarlett Wilson

Madeline Wood

STUDENT ASSISTANTS

Josh Duncan

Christopher Lassen

Evelyn Pieper

Garrett Womack

Financial Summary

INCOME

University of Tennessee	\$1,373,712	(71.1%)
Gift support	264,121	(13.7%)
Endowments	168,608	(8.7%)
TVA	29,237	(1.5%)
Store	25,831	(1.3%)
Lab of Environmental Arch.	22,381	(1.2%)
Knox County	21,845	(1.1%)
Kress Foundation	15,000	(0.8%)
Donation Box	5,895	(0.3%)
City of Knoxville	5,500	(0.3%)

Total	\$1,932,130
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EXPENSES

Salaries	\$939,644	(51.3%)
Benefits	299,101	(16.3%)
Utilities	131,536	(7.3%)
Lab of Environmental Arch.	47,997	(2.6%)
Insurance	47,673	(2.6%)
Maintenance	45,962	(2.5%)
Acquisitions	44,285	(2.4%)
Collections	38,818	(2.1%)
Guard Service	37,855	(2.1%)
Exhibits	34,966	(1.9%)
Custodial	28,800	(1.6%)
TVA/NAGPRA	26,602	(1.5%)
Stores for resale	20,502	(1.1%)
Media/Print	16,079	(0.9%)
Travel	13,873	(0.8%)
Supplies	12,021	(0.7%)
Equipment	9,285	(0.5%)
Memberships	9,045	(0.5%)
Education	8,590	(0.5%)
Telephone	6,498	(0.4%)
Security/Central Alarm	6,349	(0.3%)
Computer Services	5,870	(0.3%)
Food Services	5,852	(0.3%)
Postage	3,119	(0.1%)

Total	\$1,8831,225
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Note: Percentage totals will vary from 100 percent due to rounding.

What Does Private, Non-University
Money Support?

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

Endowments

The addition this year of the Jefferson Chapman Directorship Endowment brought the number of endowments to 14 with a market value as of June 30, 2019 of \$3,939,680 for all endowments. The value of the previous 13 endowments dropped 2.9% from 2018.

Digital Stats

Web: Total Sessions: 86,964 (+3.8%)
Total Users: 70,452 (+6.2%)
New Users: 61,689 (+1.1%)
Pageviews: 167,739 (-6.5%)

Social: Facebook Followers: 4,908 (+17.4%)
Twitter Followers: 2,392 (+9.2%)
Instagram Followers: 1,477 (+30.3%)
Email List Subscribers: 3,927 (+10.8%)

Awards Received

Award of Excellence from the Tennessee Association of Museums in recognition of superlative achievement for the educational programming associated with the exhibition *For All The World to See: Visual Culture and the Struggle for Civil Rights*.

American Automobile Association Gem Attraction
Knoxville News Sentinel “Best of Knoxville” for Best Museum

Certificate of Excellence from Trip Advisor. Inducted into “Hall of Fame” for five years of consecutive excellent reviews

National Science Foundation (NSF)—Smithsonian Affiliate Lineage Project Grant

Volunteers

Volunteers are essential to the programs and success of the McClung Museum. This year, 126 dedicated volunteers provided a total of 1,981 hours of education, collections, exhibitions, publicity, and board service.

exhibitions



Installation view: *For All the World to See: Visual Culture and the Struggle for Civil Rights*.

Special Exhibitions

Pick Your Poison: Intoxicating Pleasures and Medical Prescriptions. March 23–August 19, 2018. Sponsored by Roswitha Haas and the late Arthur Haas, Professors Helen Baghdoyan and Ralph Lydic, City of Knoxville, Knox County, Arts and Heritage Fund. Co-curated by Catherine Shteynberg with content provided by the US National Library of Medicine and Manon Perry, University of Amsterdam.

For All the World to See: Visual Culture and the Struggle for Civil Rights. August 31–October 20, 2018. Exhibition made possible through NEH on the Road, a special initiative of the National Endowment for the Humanities. Sponsored by Ready for the World, City of Knoxville, Knox County, Arts and Heritage Fund. Adapted and toured by Mid-America Arts Alliance. Organized by The Center for Art, Design, and Visual Culture, University of Maryland, Baltimore County, in partnership with the National Museum of African American History and Culture, Smithsonian Institution.



Top: Curator-led tour at the member's preview of *Many Visions, Many Versions: Art from Indigenous Communities in India*.

Bottom: Installation view: *Debut: Recent Acquisitions*

Many Visions, Many Versions: Art from Indigenous Communities in India. February 1–May 19, 2019. Sponsored by Aletha and Clayton Brodine Museum Fund, First Horizon Foundation, Ready for the World, Merchant and Gould, India Trunk Sale, Vora Medical Services, City of Knoxville, Knox County, Arts and Culture Alliance. Organized by BINDU Modern Gallery and toured by International Arts and Artists, Washington, DC. Curated by Drs. Aurogeeta Das and David Szanton with assistance from consulting curator Jeffrey Wechsler.

Debut: Recent Acquisitions. June 14–September 1, 2019. Sponsored by the Elaine Altman Evans Museum Fund and Elizabeth and David Etnier, Jupiter Films, Gene and Lana Branson. Curated by Catherine Shteynberg, McClung Museum Curator of Art and Culture.

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.

Prints That Kill: Selections from the Museum's Natural History Prints Collection. Ongoing. Curated by Catherine Shteynberg. Print exhibition case.

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

Feminae Princeps: A First Lady of the Roman Empire. Ongoing. Case exhibit curated by PhD candidate Rachel Vykukal.

exhibitions

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

“Puppy Pals,” Stroller Tour, July 16.

“Art in the Galleries,” Family Fun Day, July 21.

Geology Bus Tour, “Blue Ridge Foothills Geology,” August 4.

iVamos al Museo!, “Native American Art”, August 8.

“Healthy Mind, Healthy Body,” Family Fun Day, August 11.

“Kids on the Move,” Stroller Tour, August 13.

Sights of Power Lecture Series, “Black Southern Feminism in Philosophy.” Lecture by Lindsey Stewart, September 4.



Sights of Power Lecture Series, “Artist Lecture,” Lecture by Sheila Pree Bright, September 13 [left].

“Emotion Commotion,” Stroller Tour, September 17.

iVamos al Museo!, “Animal Bones”, September 27.

“Civil Rights: The Journey Continues,” Community Day, September 29.

“Can You Dig It? Archaeology and Fossil Day,” Family Fun Day, October 28.

Sights of Power Lecture Series, “Transparency, Opacity, and the Black (Subject)ion of 20th Century American Television,” Lecture by Herman Gray, October 18.

“Under the Sea,” Stroller Tour, October 22.

Veterans Day Bus Tour: “History in Brass and Stone—Remembering Knoxville’s Military Heritage,” November 11.



“Animals at Work,” Stroller Tour, November 12.

Sip and Shop Fundraiser at EST8TE, November 28.

“Caroling with Clarence Brown Theater and McClung,” Family Fun Day, December 1 [left].

“Queens of Egypt,” Stroller Tour, December 10.

“Legends from the Far East,” Family Fun Day, January 12.

“Ancient Menus,” Stroller Tour, January 14.

“Just Bead It,” Stroller Tour, February 11.

“Unity in Diversity,” College night presented by the UT student group Manthan, February 15.

“Darwin Day,” Family Fun Day, February 16.

iVamos al Museo!, “Art of India”, February 16.

Civil War Lecture Series: “The Lawyers,” Lecture by Joan Markel, February 17.

“From Powerful Goddesses to Modern Women: Mithla Artists Paint for the 21st Century,” Lecture by Susan Wadley in collaboration with the Department of Religious Studies, March 7.

iVamos al Museo!, “Ancient Rome”, March 9.

“Roman Soldiers,” Stroller Tour, March 11.

“Journey to India Festival,” Family Fun Day, March 30 [below].



Civil War Lecture Series: “The Financiers,” Lecture by Joan Markel, March 31.

“From Criminal to Citizen: Litigating for LGBTQ Rights in India,” Lecture by Arundhati Katju, April 4

“Expressions of Nature,” Stroller Tour, April 8.

“McClung Pop-Up Museum,” Collaboration with College of Architecture and Design, April 17.

Civil War Lecture Series: “The Common Man,” Lecture by Joan Markel, April 28.

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

“University of Tennessee Student Fieldwork Night,” September 6.

“Who Owns the Past? Competing Claims for Antiquities from the Holy Land,” AIA Joukowsky Lecture by Morag Kersel, DePauw University. September 20.

“The Experience of Ancient Greek Sacrifice,” Lecture by Jacob Morton, Carleton College. October 16.

“Colonial Encounters on the Chesapeake Frontier,” Lecture by Barbara Heath, University of Tennessee. January 22.

“The Specialized Roman City: The Rise and Fall of Urban Innovation,” Twelfth Annual Harry C. Rutledge Memorial Lecture in Archaeology by Steven Ellis, University of Cincinnati. February 5.

“Floods of the Tiber in Ancient Rome,” AIA Oliver Lecture by Gregory Aldrete, University of Wisconsin, Green Bay. February 28.

“The Neolithic Spread of Farming into Eurasia and Its Legacy in Modern Genes and Cultures,” Lecture by Alex Bentley, University of Tennessee. April 4.

Five hundred and thirty-four prehistoric artifacts from Louisiana, Found in collections, 2018.10.

Additions to the Collections



Study of *The Weeping Magdelene* by Lloyd Branson, oil on board [detail, left]. Museum purchase made possible by Gene and Lana Branson, Sally S. Branson, and John Z.C. Thomas, 2018.12.

Five hats, Gift of Philip White, 2018.13 [top right]

Thirty-four prehistoric stone tools from Marion County, Alabama, Gift of Giovanna M. Vidoli, 2018.15.

Prehistoric grooved ax from UT Ag Campus, Gift of Robert Guinn, 2018.16.

Two ceramic bowls by Frank Ettawageshik, Gift of Paul A. and Hazel R. Delcourt, 2018.17.

Field collected freshwater mussels from lower Buffalo and middle Duck rivers, 287 specimens, 2018.19.

Land snails from Tennessee and surrounding states, 11,906 specimens, Gift of Gerry and Barbara Dinkins, 2018.20.

Freshwater mussel species endemic to the Cumberland and/or Tennessee river systems, Gift of Gerry Dinkins, 2018.21.

Calusa ceramic bowl from Florida Gulf coast and Cherokee ceramic wedding vase by Amanda Swimmer, Gift of Jefferson Chapman, 2018.22.

Chinese export enamel on copper cartouche-form Sconce, Qing Dynasty, Quianlong period, ca. 1740s, Gift of Susan Joy Gabrielson, 2018.23 [right].

Archaeological collection, 4,655 artifacts from Tennessee, Gift of Fred William Fischer, 2019.2.

Archaeological specimens and associated field notes by Fred William Fischer, Gift of Patricia Shaw, 2019.3.



Archaeological collection, eight hundred and fifty-five artifacts from Knox County, Tennessee, Gift of Matt K. Kelley, 2019.4.

Archaeological material recovered by Cultural Resource Analysts, Inc in Phases 1 and 2 from 40SV232, Gift of Marathon Realty, 2019.5.

Freshwater mussel specimens from the Richelieu, Yamaska, and Ottawa rivers, Canada, and the Apalachicola River, Florida, Gift of Philippe Blais, 2019.6.

Freshwater mussel specimens from streams and rivers in Alabama and Mississippi, Gift of Mary Jane Creel, 2019.7.

Excavated archaeological material from the Cane Notch Site, 40WG143, Gift of the George Swingle Family, 2019.8.

Cherokee bear mask by Adam Welch [right: Mask on display in *Debut: Recent Acquisitions*]; Coushatta basketry tray by Zeline Sylestine; Northwest Coast Button Blanket; Slate spatulate ax; five Asante brass gold weights; brass knife, Ghana; Heddle pulley, Ivory Coast; Bakuba cup, Democratic Republic of the Congo, Gift of Jane Breunig, 2019.9.

Original drawing of Native American family for the *Hiwassee Island* report by Madeline Kneberg, Gift of Jefferson Chapman, 2019.10.



Eleven ornithological water colors by John Abbot, Louis Agassiz Fuertes, Alan Brooks, and Roger Tory Peterson [detail, left]; one botanical water color by de Morgues, Gift of Michael and Kathy Mouron, 2019.11.

One specimen of *T. cylindrical* from the Hatchie River, Tennessee, Gift of U.S. Army Corps of Engineers, Memphis District, 2019.12.

Three specimens of *Epioblasma metastrinata* from Three Island Shoals, Alabama, Gift of Florida Museum of Natural History, 2019.13.

research

ARTS AND CULTURE COLLECTIONS

In the past year, Registrar Adriane Tafoya, and Curator of Arts & Culture Collections, Cat Shteynberg, have worked extensively on collections research, exhibition, and care projects.

Tafoya spearheaded efforts to initiate an environmental assessment of the museum’s building and collection areas. In February, the Image Permanence Institute at RIT conducted a mechanical systems assessment due to concerns arising from unstable temperatures and relative humidity throughout the building and its impact on the collections. Museum staff worked with UT Facilities and Design Services departments and the consultants to assess the three air handlers, collections spaces, air flows, and examined the climate data. The findings brought to light some immediate repairs as well as long-term replacements or enhancements that would aid in sustaining a preservation-level museum environment. The consultation cost was generously funded by longtime museum supporter, Roswitha Haas.

Tafoya continued various rehousing projects in on-site collections storage. New shelving units were purchased to accommodate additional storage of framed works that have been kept off-site for years. This makes more of the museum’s paintings and framed works on paper accessible for experiential learning opportunities for university students via Academic Programs.

One of the biggest challenges in the Arts & Culture collections is the unchecked acquisition of objects in earlier years of the museum’s history. In the past year, Tafoya and Shteynberg worked together with the Collections Committee to deaccession 566 objects deemed outside the museum’s collecting areas and/or of poor quality and condition. 253 of these objects were transferred to other UT departments, while 42 of these objects were transferred to local museums/libraries. Per the McClung’s policy, the remaining objects will be sold at public auction, with all proceeds supporting new museum acquisitions.



Detail from Guatemalan textile. 2016.2.17

Shteynberg completed extensive work on researching and cataloguing recent acquisitions, resulting in the exhibition, *Debut: Recent Acquisitions*, which opened in June 2019. The exhibition was an impetus to complete much-needed conservation work on the museum’s taxidermied passenger pigeon (2014.23.1), as well as several early 20th century Guatemalan textiles (2016.2.15 and .17).



Installation view of taxidermied passenger pigeon, 2014.23.1 in *Debut: Recent Acquisitions*.

Curatorial intern Emma Vieser worked with Shteynberg on cataloguing various Arts & Culture objects, as well as writing draft labels for the 2019 exhibition, *Science in Motion: The Photographic Studies of Eadweard Muybridge, Berenice Abbott, and Harold Edgerton*.

Shteynberg started research for a proposed upcoming exhibition, *Shaping Identity*, which explores clothing and body decoration across the world. She also prepared lectures for a pilot museum studies course that she and Curator of Academic Programs, Katy Malone, are teaching in Fall—ARTH 479, Special Topics: Introduction to Museum Studies.



Arts & Culture Collections intern, Emily Fastenau, sews Tyvek curtains to help protect objects in Collections Storage.

ARCHAEOLOGY



[Left] Howard Cyr works with graduate student, Stephanie Beach and Ground Penetrating Radar equipment. [Right] Kandi Hollenbach measures an artifact spot with Vol Victoria Juarez at the UT Cherokee Farm field school site.



This year, the archaeology lab welcomed Dr. Kandace Hollenbach as the Associate Curator of Paleoethnobotany to replace Gary Crites, who retired in January, and geoarchaeologist Howard Cyr, manager of Laboratory of Environmental Archaeology (LEA).

LEA is a multidisciplinary lab that combines archaeology, chemistry, geology, and soil sciences to study the interaction between humans and their environment. This new lab is part of the Office of Research & Engagement’s (ORE) Core Facilities program that was previously housed in UT’s Department of Anthropology. LEA is managed by Cyr and directed by Curator Tim Baumann. The lab provides access to specialized laboratory equipment and services for use by the campus community, government agencies, and the private sector. The scientific equipment includes a Malvern Mastersizer 3000 Laser Diffraction Particle Size Analyzer (PSA) that is used to study sediments and other small particulate in either wet or dry samples; a GSSI SIR 4000 Ground Penetrating Radar (GPR) system that detects both natural and cultural subsurface features without excavation; and a Niton XL5 portable X-ray Fluorescence (pXRF) instrument that records the elemental composition of an object. The pXRF has been used to study the stone statuary from the Sellers site to determine the source of stone and the paint pigment used.



Jeff Chapman and graduate student Mark Babin in the museum’s archaeology lab.

With these new lab additions, a major focus this year has been on remodeling and reorganizing the main archaeology lab, which is shared by the curators of archaeology and paleoethnobotany. The paleoethnobotany research space was enlarged with a centralized research area surrounded by its primary collections. Within the primary lab space, new shelving units were added to store associated records and process incoming collections. In order to accommodate LEA in this same space, the ORE provided nearly \$90,000 to remodel part of the laboratory. This included resources to convert the old “darkroom” into the LEA manager’s office and analytical lab. ORE funds are also slated to buy lab equipment and upgrade the processing area with a new stainless steel sink, fume hood, and cabinetry.



University of Mississippi Associate Professor of Anthropology, Maureen Meyers examines channel coal in the museum’s archaeology department.

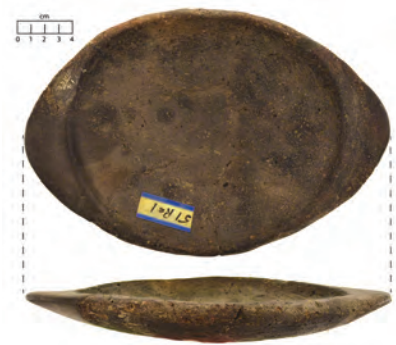
Research requests to access the archaeology collections have been numerous, as have artifact identification inquiries from the public. The museum has been contacted by nearly 30 scholars and students from academic institutions and government agencies in Alabama, Arizona, Illinois, Indiana, Kentucky, Mississippi, New York, North Carolina, Tennessee, Virginia, Wisconsin, and Canada. Overall, research has resulted in more than 30 publications or presentations, the completion of one thesis, and is ongoing for at least nine current graduate dissertation/thesis projects. Mark Babin, a former archaeology graduate assistant in the museum, completed his Masters degree from UT’s department of anthropology in 2018. His thesis examined European glass trade beads from the 18th century Cherokee villages of Chota (40MR2) and Tanasee (40MR62) in Monroe County, Tennessee. The color, size, and shape of beads and how they are worn can convey many cultural messages of identity (e.g., status, kinship, age). Babin focused his research on beads from mortuary contexts. He analyzed the distribution of bead types by age, sex, and burial location on each site to understand social networks and connectedness between people. His research concluded that infants and children had the most diverse bead types and in turn were the network brokers across the community, bringing people together.

research



[l-r] Corain Lowe-Zepeda and Turner Hunt (Muscogee Creek Nation of Oklahoma) and Brigita Leader (Seminole Nation of Oklahoma) screen for artifacts at the Bell site in Watts Bar Lake.

McClung Museum is continuing its long-term relationship with the Tennessee Valley Authority (TVA) to preserve and support research of archaeological collections and records from TVA reservoir projects in Tennessee. Starting in 2014, the museum has assisted in a TVA project with New South Associates, Inc. (NSA), a private archaeology firm, to conduct geophysical testing of river island sites in East Tennessee to determine what cultural deposits still remain since the 1930s WPA-era investigations led by UT. In 2014, the Bell site (40Re1), a large Mississippian town on an island in Watts Bar Lake, was selected for study because previous work has never been fully reported. The geophysical survey identified numerous intact cultural features and created many new questions. In 2018, excavations were conducted to investigate the 2014 results in the village and midden areas of the site with more than 50 volunteers including the museum's archaeology staff and a tribal training program with representatives from five tribal nations. Research efforts attempted to combine the new data with the old collections stored at the McClung Museum. This research discovered a complex and unique site for East Tennessee with five large platform mounds village that was occupied from 1150 and 1300 A.D. The number and size of the platform mounds and rediscovery of three oval/round palettes from the 1930s work, which may have been used for processing pigments, are more typical of the Etowah mounds in Georgia and Moundville in Alabama.



One of three oval palettes from the Bell site which have not been excavated anywhere else in East Tennessee.

The McClung Museum continues to work with TVA on compliance with the Native American Graves Protection and Repatriation Act of 1990 (NAGPRA). TVA contracted with the museum to complete a final inventory of funerary objects from the 1930s/40s Kentucky Lake project and to host tribal visitations in May to view these objects. The tribes are requesting that these materials, which total nearly 4,000 artifacts, be returned to them with the human remains for reburial. Some of these objects were removed from the Archaeology and the Native Peoples of Tennessee exhibition, which will require the museum to find replacement artifacts and to work with the tribes to update and revise this gallery.

PALEOETHNOBOTANY

The Paleoethnobotany Laboratory has undergone significant change with the retirement of the late Gary Crites in January 2019. In recognition of his many years of dedicated research and work at the museum, and his significant efforts in establishing the comparative and archaeological plant collections, the lab has been renamed in his honor. He also generously donated his personal library, totaling over 360 books and manuscripts, to the lab.

Dr. Kandace Hollenbach, Assistant Professor in the Department of Anthropology, joined the museum as Associate Curator of Paleoethnobotany in January. She is aided by a Paleoethnobotany Graduate Research Assistant, Peggy Humes, who is a graduate student in the Department of Anthropology; an undergraduate student intern; and an undergraduate volunteer. Much of their efforts in the spring semester were directed toward learning the ins and outs of the lab and incorporating Crites' materials into the library.



Graduate Research Assistant, Peggy Humes, represents the museum and demonstrates corn grinding to a visitor at Gray Fossil Site for National Fossil Day.

Scholars from other universities and research venues, as well as UT faculty and students, have drawn upon the collections, particularly the paleoethnobotany and modern comparative collections. Examples of research include: UT faculty and graduate student research on an early colonial site in the Chesapeake region; UNC-Chapel Hill doctoral dissertation research on plant remains from historic Cherokee sites, including scanning electron microscopy for the identification of tubers; and efforts to identify early maize in eastern North America by researchers in Illinois and Michigan.



Maygrass (*Phalaris caroliniana* Walter) growing in UT Gardens.

The Gary D. Crites Paleoethnobotany Lab continues to research the route(s) and timing of the arrival of domesticated beans in the Southeast with archaeology curator, Tim Baumann. We have also continued to develop the Native American interpretive garden at UT Gardens, with the assistance of Anthropology students. This year the garden featured wild chenopodium and maygrass in late spring, and maize, beans, and squash in the summer. Efforts to grow little barley and domesticated chenopodium were not as successful. The department started a second garden venture, featuring plants associated with the African diaspora, in the UT Grow Lab space off Lake Avenue, with the planting of okra, black-eyed peas, and jelly melon.

Hollenbach also taught an archaeological field school through the Department of Anthropology during the May mini-term. The excavations were located on the UT Cherokee Farm campus in Knoxville, focusing on a Woodland midden deposit on the lower terrace of the site. The students learned excavation techniques, assisted with the Native American interpretive garden, and collected flotation samples that will hopefully contain evidence of early farming activities at Cherokee Farm.



[l-r] UT students, Rebecca Webster (grad student), Christopher Griffith, and Haley Reynolds, excavating at the UT Cherokee Farm field school site.



A small sample of specimens awaiting cataloging in the museum's Malacology lab.

MALACOLOGY

Curator Gerald Dinkins welcomed Evelyn Pieper as the new collections assistant. Evelyn is an undergraduate student and previously volunteered in the collection while collecting georeferenced data as part of her degree in Ecology and Evolutionary Biology. The Tennessee Valley Authority donated two Lance Scientific cabinets to the collection, bringing the number of large cabinets housing malacological specimens to 35. A number of smaller cabinets were also added to hold the growing collection of aquatic and terrestrial gastropod specimens. Over the last year, mollusk specimens were donated to the McClung Museum from a number of state and federal agencies and academic researchers, growing the collection to 155,246 catalogued specimens, with just as many in backlog waiting to be processed.



Malacology collections assistant, undergraduate Evelyn Pieper works on cataloging mollusk specimens.



Curator Gerald Dinkins and support crew prepare to conduct an underwater survey for freshwater mussels in the Duck River, Tennessee.

Dinkins conducted field surveys for aquatic and terrestrial mollusks in a number of eastern states, including Tennessee, Georgia, Alabama, West Virginia, Kentucky, and Michigan. In the fall 2018 semester, he taught an upper level undergraduate/graduate level course on the ecology and identification of freshwater mussels in the Forestry, Wildlife, and Fisheries Department, and he gave presentations at the University of Tennessee Science Forum, Tennessee Chapter of the Wildlife Society, Tennessee Mussel meeting, Alabama Mussel meeting, Tennessee Chapter of the American Fisheries Society, and the Freshwater Mollusk Conservation Society. At the latter meeting, held in San Antonio, Texas, Dinkins was elected as co-chairperson of the Status and Conservation of North American Freshwater Mussels committee. Dinkins also engaged in lectures for various UTK classes including a class taught on Natural History Collections at the University of Tennessee.

Curator Dinkins and Brian Alford from the Forestry, Wildlife and Fisheries Department were awarded a research grant from the Tallassee Fund to survey for freshwater mussels in the Tellico River, a large tributary to the Little Tennessee River in eastern Tennessee, and a research grant from the Louisiana Department of Wildlife and Fisheries to determine the conservation status and distribution of freshwater mussels in the lower reach of Bayou Bartholomew drainage. Dinkins was given a contract from the U.S. Fish and Wildlife Service to prepare the five-year review for four federally endangered mussel species, and along with Barbara Dinkins, was awarded a grant to develop a monitoring plan for the federally threatened land snail, *Anguispira picta*.



Anguispira picta, a federally threatened land snail endemic to Crow Creek valley, Tennessee.

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education programs



PREK–12

The education team served a total of 5,083 students in the Knoxville metro area through our onsite and outreach lessons, while also developing new initiatives to revamp the museum's PreK-12 offerings.

In July 2018, Knox County Schools rolled out new standards for their science curriculum and the museum's educators have been hard at work to integrate those changes into existing programs. In February, the museum hosted a teacher workshop on plate tectonics and rock formation for 8th grade teachers. Additionally, the McClung organized a workshop on ancient Egypt in preparation for changes to the social studies curriculum standards, which took effect in the fall of 2019. These professional development opportunities are possible thanks to the continued support of Covenant Health. Their sponsorship has not only allowed the museum to provide free opportunities for teachers, but it has also subsidized outreach programs to local schools.

In August 2018, the museum inaugurated the Student Docent Program for student volunteers from the Department of Earth and Planetary Sciences (EPS). While student volunteers have long been a part of PreK-12 tours of the Geology gallery, the program now formalizes their engagement with the museum by requiring attendance to annual training sessions, setting a minimum number of service hours, and by delineating pedagogical approaches to group and content management. Over 20 students signed up for the orientation and volunteered a combined 173 hours to the museum.

In December 2018, the McClung Museum's Education Advisory Board held its first official meeting. This group is currently comprised of content supervisors for the areas of science, social studies, and fine arts in Knox County. In quarterly meetings, the group explores ways in which the museum can better address the needs of preK-12 teachers in the county. The goal is to develop a collaborative model with educators in the county and to gradually expand the involvement of stakeholders from surrounding areas.

FAMILY PROGRAMS

Family programs at the McClung have continued to strengthen the museum's relationship with the general public in exciting and promising ways. A total of 3,253 visitors engaged in programs through stroller tours, family days, tours for Spanish-speaking families called *iVamos al Museo!* (Let's go to the museum!), and summer camps.

Family day in September 2018 featured the special exhibition *For all the World to See: Visual Culture and the Struggle for Civil Rights*. The day was a celebration of African American culture, identity and history through partnerships with local churches, youth groups, artists, students, and community organizers. The event was a great success, as it welcomed more than 500 visitors and received the award for Best Educational Programming from the Tennessee Association of Museums.

Continuing its efforts to reach out to more communities in Knoxville, the museum hosted a large-scale cultural festival in March 2019. *Journey to India*, a family event and collaboration with the local Indian community to highlight the temporary exhibition *Many Visions, Many Versions*, welcomed over 600 visitors to the museum. The festival featured artists who delighted the public with traditional dances, music, and painting demonstrations.

In its second year, *iVamos al Museo!* has begun to welcome families from Norwood Elementary in addition to maintaining its engagement with Lonsdale Elementary. The education team has also worked with *Centro Hispano de East Tennessee* to increase the program's exposure within the Hispanic community in Knoxville. Not only does *iVamos al Museo!* enjoy a high percentage of return participants, but it has also led many of them to engage in other family events at the McClung.



Top left: Curator of Education Leslie Chang Jantz leads a tour for art summer camp students.
Above left: Families participate in activities during the *Journey to India Festival* at the museum.
Above right: A young visitor shows her project from the Civil Rights Community and Family Day.



Top: Graduate student Tim Paton leads an excavation activity during Fossil Camp.
Above left: Future Vol visits during monthly family program.
Above right: Members of UT's NAACP Chapter gather for a photo during the Civil Rights Community and Family Day.

academic programs

By the Numbers

In Fiscal Year 2018-19, the number of UT faculty, staff, and especially students that utilized the museum as a place for learning and enjoyment more than doubled. Attendance through Academic Programs (AP) increased from 3,105 to 6,349 total. This growth is the result of an increase in the number of courses served, from 96 in FY2018 to 172 in FY2019. Academic programs also drew an audience by collaborating on, organizing, and participating in several public programs that had high visibility both in the museum and out in the community.

Campus collaborators and units served include: 1794 Scholars Program, Alpha Kappa Alpha, Africana Studies, Arts and Science Advising, Anthropology, Architecture, Art History, Biology, Business Administration, Center for Career Development, Center for Student Engagement, College of Law, Division of Student Life, English, First Year Studies, Gender Studies, Graphic Design, Freiburg Lab Group, History, Journalism and Electronic Media, Lambda Thea Alpha, Library, Manthan Indian Student Association, Modern and Foreign Languages, Nursing, Painting, Philosophy, Political Science, Psychology, Religious Studies, Residence Life- Reese Hall, Sexual Empowerment and Awareness at Tennessee, Sociology, Spanish, and University Honors.



A UT student speaking with guests during the Indian Student Association's "Unity in Diversity" for *Many Visions, Many Versions: Art from Indigenous Communities in India*.

New Programs For Students

This year AP worked with the museum staff to re-envision the undergraduate internship program. For its inaugural run in spring 2019, the program welcomed seven students from six majors. Each student was selected by a primary supervisor to work in a specialty area and received credit hours that applied directly to their majors. Interns were placed in development, marketing and public relations, graphic design, exhibition curatorial, Arts and Culture collections management, malacology, and archaeology. Interns also participated in Friday break-out sessions designed to provide a holistic look at museum operations.



Top: PR & Marketing intern, Caitlin Chitwood, at the McClung's Spring Pop-up Museum.

Bottom: Students examine historic objects in the museum's Object Study Room.

In the Spring of 2019, AP also launched the McClung Museum Student Advisory Board exclusively to allow for direct representation from UT's student body. Having a student board will allow the museum to have a closer relationship with the campus community, one of the McClung's most valued constituent groups. The board will be charged with outreach, organizing student focused programming and serving as advisors for museum staff. In its short tenure, the Board was able to elect officers, develop a constitution, and start making progress toward becoming a UT-sanctioned student organization. Currently the board has eight active members and will recruit additional representatives in the fall. In FY2020, the Student Advisory Board's president will serve as a student liaison for the McClung's Advisory Board.



Top: Students gather for an Object Study session in the Decorative Experience gallery.

Bottom: Curator of Academic Programs, Katy Malone, leading a class in the exhibition, *For All the World to See*.

CONTRIBUTIONS TO THE MCCLUNG MUSEUM

2018-19 Annual Report Donor Roll

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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