From the Chair

By Lisa Sattenspiel, Professor and Chair

Welcome to the 2019 edition of Wa-jée-pa-na (The Missouri Crier), the University of Missouri Department of Anthropology newsletter. The anthropology department had a good year in 2018. Faculty and graduate students published a number of scholarly articles and gave many lectures or posters at meetings all over the world. The most exciting piece of news this year is that we have been given approval to hire a new faculty member in cultural anthropology with a focus on health-related issues. This is the first hire we have made since we hired Karthik Panchanathan, and he received tenure in 2018, so we are very excited. It will be wonderful to have someone new to bring stimulating ideas to our classes and collegial interactions.

This excitement has been tempered by two very sad notes: long-time faculty member, Mark Flinn officially retired from MU at the end of the spring 2018 semester and has taken a new position at Baylor University. He is really missed around here. Cynthia Irsik our administrative assistant retired at the beginning of April and will be moving to Florida.

As is always the case, we have a very active group of graduate students. During 2018 six (!!!) students received their doctorates (Mark Beary, Heather Gibb, Erin Miller, Rachel Munds, Candace Sall, and Amy Warren) and master’s degrees were awarded to three students (Heather Habecker, Andrew Krug, and Colleen Young). We were also able to continue to support our graduate students by providing funds for both pilot research and travel to professional meetings. Read more below.

Around the Department

Karthik Panchanathan received tenure and promotion to associate professor.

Travel Grants for Students
Elizabeth Cho, Tom Jaskowiec, Robyn Johnston, Megan Murray, Taylor Paskoff, and Dana Schmidt received travel grants to attend the annual AAPA/HBA meeting in Austin, Texas.

Research Grants for Students
Gelvin Award to Taylor Paskoff—to study sex and socioeconomic differences in mortality from flu, pneumonia, tuberculosis, and bronchitis in early 20th century Newfoundland and Labrador.

Raymond Wood Award to Jessica Bernstetter—to conduct field research on sanitation and water use in Pompeii.

Clyde Wilson Award to Heather Habecker—to study how social networks impact life histories.

Inside This Issue:
From the Chair ........................................ 1
Around the Department ................................ 1
Faculty & Staff Activities .............................. 2
Alumni News ........................................... 5
News, Events, & Announcements .............. 6
Giving ................................................... 6
Faculty & Staff Activities

Faculty

Karthik Panchanathan’s past year has been successful and eventful. In January 2018, he spent a week in the Bahamas for the third annual Post-Simian Seminar, where a select group of researchers argued about the state of their discipline. In February, he was in Santa Fe, California, at a workshop with leading researchers to discuss evolution and the current environment may predispose us to non-communicable diseases such as Alzheimer’s or coronary artery disease. He also participated in the Evolution and Social Science Colloquium Series organized by Karthik Panchanathan, and gave a second talk titled “Why and How We Grow Old: Cooperation and Conflict in Human Families.”

Our next Gavan Lecture will be given in October by Professor Daniel Hruschka, Arizona State University. Hruschka works in rural Bangladesh and studies how we stay healthy in diverse social environments and how humans cooperate. Professor Lisa Sattenspiel’s research continues to go well for her and her students. Her projects include ongoing studies of health in early 20th century Newfoundland and Labrador with students Dana Schmidt and Taylor Paskoff, and an analysis of the impact of the 1918–19 influenza pandemic in Alaska (with master’s student Megan Murray and Norwegian colleague Svenn-Erik Mameland). Sattenspiel also continues work on the inclusion of migration between Long House Valley and Black Mesa in the Artificial Long House Valley project (with Amy Warren and Alan Swedlund). She also is implementing in Netlogo Carolyn Orbann’s dissertation model on the spread of an early 1800s measles epidemic at Mission San Diego.

Sattenspiel and Paskoff published Paskoff’s master’s work in the American Journal of Human Biology. Sattenspiel, Paskoff, and Murray presented papers at The Social Impact of Epidemics: A Workshop Marking 100 Years of the Great Flu Pandemic of 1918, in Oslo in September, and Sattenspiel was a keynote speaker at Contagion and Networks: Progress and Issues with Models and Data, a satellite symposium associated with NetSci 2018 in Paris in June.

Associate Professor Christine VanPool has been active with public outreach this year. In January, she spent a week in Arizona and gave an invited presentation at the Amerind Foundation in Dragoon as part of the museum’s speaker series that accompanied a new exhibit on Paquimé. It was an honor to be invited to the Amerind, because it is the center of the Casas Grandes world during the 13th and 14th centuries. While VanPool was in Arizona, she was able to photograph Casas Grandes ceramics, use the foundation’s library, and go through the Casas Grandes fieldnotes and archives. She will soon publish some of those results. The Amerind also arranged for her to give an evening lecture to Friends of Western Arts in Tucson. Both presentations were well attended.

In April, VanPool gave a presentation on Southwestern kachinas at MU’s Museum of Anthropology as part of its exhibit on kachinas. She and Associate Professor Todd VanPool also demonstrated atlatl use on campus to students as part of back-to-school activities, and they have been conducting “show and tell” archaeological discussions at different Boy Scout events in Columbia, including leading the archaeology class for MU’s Merit Badge College (a weekend sponsored by the College of Engineering to let scouts earn a merit badge).
Todd VanPool congratulates his doctoral students Mark Beary and Heather Gibb, and master’s student Andrew Krug for completing their degrees in 2018. He wishes them the best of luck with their future endeavors and looks forward to watching their careers flourish!

The majority of Associate Professor VanPool’s research this past year focused on exploring the political and economic importance of religion and periodic pilgrimages to Paquimé, the ceremonial center of the Casas Grandes world of northern Chihuahua and southern New Mexico. This includes continued research at 76 Draw, the archaeological site near Deming, New Mexico, that he has been excavating with Associate Professor Christine VanPool and Professor Gordon Rakita of University of North Florida. Articles derived from the project have recently been published in the Journal of Social Archaeology and Latin American Antiquity. Paquimé had rich caches of marine shells, nonlocal ceramic vessels from Arizona, large agave roast pits for feasting, Mesoamerican ritual architecture such as ballcourts where the Mesoamerican ballgame could be played, and large ground stone metates made by specialist producers. In contrast, Ramos Polychrome, a locally produced pottery type made by specialists near Paquimé, has a large distribution outside of the core Casas Grandes region of northern Chihuahua. VanPool’s research suggests that the exotic goods, including two-plus metric tons of ocean shell, were deposited as part of pilgrimage offerings, whereas the broad distribution of the Ramos Polychrome, which is loaded with religious symbolism, reflects the distribution of religious tokens being given to pilgrims by Paquimé’s elites. VanPool’s goal for the coming year is to submit several follow-up articles discussing the importance of pilgrimages in creating a unified culture in the Casas Grandes region and the borderland area of southern New Mexico where the Casas Grandes culture overlaps with other Southwestern cultures.

Associate Professor Rob Walker is continuing his remote-sensing work to document locations of uncontacted indigenous villages in Amazonia (isolatedtribes.missouri.edu). Lowland South America harbors some 50 uncontacted indigenous societies that have limited contact with the outside world. Accurate knowledge of the geographic distribution of uncontacted populations is needed to assist in their immediate protection needs against an onslaught of external pressures.

Recent advances in machine learning applied to remote-sensing data have located three previously unknown villages. Walker is expanding on these efforts to develop a more predictive model that can be augmented with focused satellite imagery searches to further identify additional villages and track them through time. This research can improve policies toward uncontacted indigenous populations by providing near real-time knowledge of their locations and movements in relation to encroaching loggers, settlers, and other external threats to their survival.

Professor Emeritus Bob Benfer has been busy, even if a little set back by open-heart surgery in December 2017. He is fine now. Last year, with the help of the Brennan Foundation, he excavated a site in Peru that is notable for being the only one in the world in the shape of a volcanic cinder cone and whose last use corresponded to an incredibly rare cluster of four total eclipses of the sun in 27 years. It is published in Archaeology Gallery 91(357) and a video of the work has been playing on What on Earth on the Discovery Channel. (Another video of his 2016 work is also available there.) Benfer also published a summary of his findings of giant animal effigy mounds along the coast of Peru. A paper was published in 2018 in Mediterranean Archaeology and Archaeometry 16:481-485 on light beams and architecture marked by celestial events in Colonial churches and missions in New Spain. An invited chapter for a book and one for the journal Skyscapes were submitted in October. Another grant from the Brennan Foundation will take Benfer back to Peru for fieldwork in February and March 2019.

Professor Emerita Louanna Furbee summed up the past two years in brief terms: “interesting times, especially on the home front.” Her husband, Bob Benfer, had what the doctors called a “big surgery” on his aorta and heart in December 2017, and the three months before the event and the six after presented all-consuming challenges. He did everything the medical people asked of him, including gaining 10 pounds before surgery, plus all the rehab and behavioral changes and continued exercise. His cardiologist pronounced him fit to “live life as he cared to” as of last July, which meant that Furbee and Benfer could return to their field research programs. Such a joy to have him healthy.

Part of the Codex Tro-Cortesianus: a pre-Columbian Mayan codex that forms a prophetic calendar predicting good days and bad.

Continues on next page
Faculty & Staff Activities  (continued)

Professionally, Furbee and Benfer managed to attend professional meetings before and after his surgery, perhaps the most memorable being the meetings of the European Society for Astronomy in Culture (SEAC), in Rome in 201; in Santiago de Campostela, Spain, in 2017; and in Grazt, Austria, in 2018. Furbee is working with a Tojol-ab'al co-author on a book, World’s Water: Tojol-ab'al Mayan Festivals and Calendric Cosmology, and the cultural astronomers have contributed a great deal to her thinking about Mayan concepts of time, space, and the cosmos. That, in turn, has helped her puzzle through questions about Tojol-ab’al understandings of the physical and spiritual world that have baffled her for the past 45 years.

Peter Gardner, professor emeritus, states that people other than anthropologists are at last becoming interested in both ethnographic accounts and overviews of anarchic systems that have been written over time in our field (for example, chronologically: K. Birker-Smith 1929; E. A. Hoebel 1954; P. M. Gardner 1966, 1985; B. Morris 1982, 1996; H. Barclay 1982; and D. Greger 2004). Our work stands to carry discussion substantially beyond the imaginative reconstructions and hopeful fantasies that are common. At the invitation of an editor, K. Tucker, Gardner has submitted a very brief paper on the subject that will appear in the next issue of the anarchists’ journal, Black and Green Review. Of particular interest to them is the fact that the extreme anarchies we have studied can be surprisingly peaceful.

R. Lee Lyman, professor emeritus, was an invited participant at a two-day workshop in late August at the University of Cincinnati. The workshop was devoted to constructing a worldwide taphonomy database and involved a gathering of two dozen taphonomists and forensic scientists from all over the world. Lyman had the opportunity to meet and visit with some of his long-admired heroes in the fields. Lyman’s new book Paleozoology and Paleoenvironments: Methods, Techniques, and Approaches, cowritten with J. Tyler Faith (University of Utah), was published in early 2019 by the University of Cambridge Press.

During 2018, Lyman had articles accepted for publication by Palaios and Association of Oregon Archaeologists Occasional Papers. He also published articles in Geobios, Journal of Archaeological Science: Reports, Journal of Archaeological Method and Theory, and Archaeological and Anthropological Sciences, the last with Joseph DeAngelis, MA ’15. Lyman is working on several projects, including a review of the late-Quaternary biogeographic history of the water vole (Microtus richardsoni), a history of Stephen Jay Gould’s (failed) efforts to integrate paleobiological clad diversity analysis and archaeological frequency seriation, and an examination of how paleozoologists identify the taxon represented by a bone, tooth, or shell. He is also collaborating on a study of the taxonomic identification of ungulate stylo-hyoids with Professor Patrick Lubinski of Eastern Washington University, and a review of the status of Australian paleozoology with Jillian Garvey of La Trobe University.

Professor Emeritus Mike Robbins’ year has been similar to the last. His online course teaching continues, as does his research on ethnographic methods and linguistic relativity. Robbins has three papers with Justin Nolan, PhD ’00, being published or under review: “Free-list Measures of Cognitive Sharing and Organization: Ethnobotany in Rural Missouri” is in press. “A Matrix Reduction Approach to Optimal Free-list Saturation” has been submitted for publication, as has “Categorization of Russian and English Nouns: A Test of the Linguistic Relativity Hypothesis (also with A. Zaresheva). Postscript: Robbins is also walked daily by his handler Ruby, a cairn terrier “Toto” dog.

Professor Emeritus Ralph Rowlett continues to research Iron Age archaeology in Eurasia. His main focus for the past 10 years has been on the Dacian and Thracian Iron Age in Romania and the southern Balkans. The Thrakia have been cited in ancient writings as long as have been the Greeks and Romans, but this evidence has largely been ignored because the Thrakia remained tribal people without city states and masonry architecture.

In September 2017, while doing some rescue archaeology on a small aceramic lithic site on his farm in Callaway County, Missouri, Rowlett dug up a paleo-indian fluted point with an intriguing dark stain on an impact fracture near the tip end. The first step in its study is to determine if there is any DNA remaining from the target causing the impact fracture.

Staff
Museum Director Alex Barker currently serves as president of the 11,000-member American Anthropological Association, which held its annual meeting in November in San Jose, California. He has also been named to the Lewis R. Binford Papers Advisory Board, overseeing Binford’s papers at Truman State University, and was credited as an expert member of the International Scientific Committee on Archaeology and Heritage Management of the International Council on Monuments and Sites. Barker has been invited to moderate the President’s Forum at the Society for American Archaeology meetings in Albuquerque in April.

Jessica Boldt, assistant curator, was awarded a grant from the Missouri State Historic Preservation Office to fund the digitization of the Archaeological Survey of Missouri site forms. Numbering close to 40,000 sites, these forms were previously available only in microfilm at the SHPO’s office or on paper at the MU Museum Support Center. The recording of archaeological sites, both prehistoric and historic, was led by Carl Chapman, Jesse Wrench, and Earl Lubensky, beginning in 1935. The original site forms, all recorded by archaeologists and Missouri Archaeological Society members, will be scanned with their hand-drawn maps. Because of the sensitive nature of site locations, they will be available to approved researchers only.

In September 2018, Candace Sall, associate curator, was awarded a second NAGPRA (Native American Graves Protection and Repatriation Act) grant from the National Park Service. This will be used to provide consultations and documentation of a Powers Phase collection from Missouri. Her 2017-19 NAGPRA grant covers work on reservoir collections in Missouri.

Anthropology Student Association
The Anthropology Student Association has been very active this year. President Amy Snow, Vice
President Tessa Valleroy, and Treasurer Mara Bono have been arranging activities and presentations for a host of new and familiar faces, including a rundown of spring semester classes, a presentation on Dia de los Muertos, and an ancient board games demo. The club has planned a slate of research presentations, professor talks, hands-on activities, and field trips during the year.

Museum of Anthropology
The Museum of Anthropology has been open for a year in its new location in Mizzou North at 115 Business Loop 70 West, Columbia, MO 65203! Newly on exhibit is the wooden atlatl from Montgomery Shelter in Barry County, Missouri. This Basketmaker-style atlatl has a narrow slit and drilled hole that may have held a bannerstone, and would have had leather or fiber finger loops. The atlatl is on exhibit through August 2019 courtesy of a loan from the University of Arkansas Museum Collection. The museum is also looking forward to a new exhibit exploring the use of poisons in archery that will open in early 2019 and will feature objects from the Grayson Archery Collection. Museum staff are working on a new iBook of Missouri archaeology that will teach students about the changes through time in Missouri prehistory. It will feature photos of artifacts and will give students background information before they visit the museum.

Alumni News
Jessica Dimka, PhD ’15, was recently awarded a prestigious EU Marie Curie postdoctoral fellowship for her project “Disability and Disease During the 1918 Influenza Pandemic: Implications for Preparedness Policies.” She will spend the next two years working with Svenn-Erik Mamelund at Arbeidsforskningsinstituttet at Oslo Metropolitan University in Norway.

Kate Trusler, PhD ’17, and her colleague Barry Hobson accompanied four MU students to Pompeii, Italy, as part of a department-sponsored study-abroad program. Students assisted with archaeological survey for drinking water and sanitation features. Drinkable water and the strategies used to get it are at the heart of every sustainable society, and Roman Pompeii is no exception. Pompeii’s remarkable water distribution system shapes the very character of the city from its network of water towers to its overflowing fountains. By the first century CE the Aqua Augusta, or Serino Aqueduct as it is known today, dramatically altered the urban development of Pompeii and served to provide water to many poorer citizens who, prior to this, would have had little to no access to potable water. The project collaborated with Wayne Lorenz (Wright Water Engineers) to investigate the House of Efebe, a large Roman villa with a complex construction history. Metal detection was used to establish the house’s connection to the aqueduct and to establish connection to the individual features within the house. A complete survey of the water and sanitation features was also produced. The publication of that project is forthcoming. Also in collaboration with Lorenz, the team investigated the fountain and water tower system found at Pompeii. Results include updated and more-accurate measurements pertaining to the overall volume and construction of the fountains, detailed accounts of the wear patterns found on the fountain surfaces and proposed explanations for their presence, and layouts of the...
2019 Events
Monday, Feb. 18—Erik Peterson, University of Alabama, presented “Darwin, Wallace, and Racist Birth of Anthropology.”

Monday, March 4—Charles Roseman, University of Illinois at Urbana-Champaign, presented “The Morphology of Mind: Reconciling Evolutionary Psychology and Evolutionary Genetics.”

Thursday, March 14—Tracy Prowse, McMaster University, presented “Life and Death of the Working Class in Roman Italy: Bioarchaeological Approaches.” Prowse also led a workshop on techniques in dental anthropology.

Monday, March 18—Clark Barrett, UCLA, presented “What’s Universal About Human Morality.”

Monday, April 1—Carsten Strathausen, University of Missouri, presented “Sociobiology—the Future of the Humanities?”

Monday, April 15—Kevin Zollman, Carnegie Mellon University, presented “Signals Without Teleology,” noon–1:30 p.m., 572 Bond Life Center.

Friday, May 10—Spring Awards Celebration. Made possible through the generous support of alumni and emeritus faculty, the department now has several funds that it can use to support student research. Each year in the spring, students apply for these funds, which are usually used to help them conduct research for their theses and dissertations. In return, they give short presentations on their research at a special celebration the following spring. Additional information will be sent by email closer to the event.

In addition to the opportunity for you to see more wonderful student work (which many of you are supporting), this event provides a venue for students to network with you, our alumni and friends. Please mark your calendars and make plans to attend this celebration, and help students learn more about the myriad ways you have put your own anthropology background to good use.

Mid-October 2019—The next Gavan Lecture will be given by Daniel Hruschka, Arizona State University. (More information regarding the lecture will be coming soon.)

Giving
Please consider making a donation to the Department of Anthropology so that we may continue to attract some of the best faculty and students to MU and provide excellent learning opportunities for students and the community. We have a number of established gift funds from which you may choose if you want to support the department directly.

Contribute online using your credit card or complete a gift form and mail it with a check payable to the University of Missouri to: Department of Anthropology, 112 Swallow Hall, Columbia, MO 65211.

Your assistance, no matter its magnitude, is greatly appreciated by everyone affiliated with the anthropology department.

THANK YOU!

Anthropology Development Gifts Fund
This is our general fund for all kinds of activities. It supports the department in a variety of ways, including occasional lectures, honoraria, special events, and student support not covered by endowments.

Anthropology Student Scholarship Fund
Established by alumni and friends of the Department of Anthropology including funds given in memory of Carl H. and Eleanor Chapman. The scholarship is awarded to entering master’s or doctoral students.

Dorothy (Dot) Tompkins Gelvin, PhD Memorial & Bruce R Gelvin, PhD Scholarship
Established by Bruce R. Gelvin, PhD ’75, to honor the memory of his wife, Dot. Dot received both her undergraduate and doctoral degrees from MU, specializing in physical/biological anthropology for the latter. The Gelvin Scholarship is awarded to a graduate student pursuing advanced training in biological/physical anthropology.

H. Clyde Wilson Opportunities for Excellence in Cultural Anthropology
Established by Betty Wilson and her friends and family in honor of her husband, H. Clyde Wilson.
He was an emeritus professor, former department chair, and past city mayor. The fund provides student support and promotes professional growth for graduate students studying cultural anthropology.

**W. Raymond Wood Opportunities for Excellence in Archaeology**
Established by students of Ray Wood with gratitude for his help and counsel and in recognition of his importance to archaeology in general. This fund promotes the professional growth of archaeology students in the Department of Anthropology.

**Jesse E. Wrench Memorial Scholarship Fund**
Established in 1959, this scholarship supports outstanding undergraduate students majoring in anthropology who demonstrate academic excellence.

**James A. & Margaret S. Gavan Lecture in Anthropology Fund**
This fund commemorates the intellectual influence of the Gavans on the first generation of anthropologists trained at MU. The Gavans attracted outstanding anthropologists to this campus for lectures and informal events that always involved students. Their daughter, Margaret Schoeninger (an eminent anthropologist herself), and Bruce and Dot Gelvin, students of Jim Gavan, established a special lecture to honor the Gavans’ memory.

The Department of Anthropology would love to hear from you. We are working hard on updating our list of alumni and friends.

If you have something to share with the department and/or know where we might find one of your classmates, we would love to hear from you. Please find the contact information for the department below:

Department of Anthropology
University of Missouri
112 Swallow Hall
Columbia, Mo., 65211

Email: muasanthropology@missouri.edu
Website: anthropology.missouri.edu