

(left to right) PhD students Mari Isa, Elena Watson, and Alex Goots in the MSU Forensic Anthropology Lab working on the NIH-funded research project focused on blunt force trauma to adult crania.



MSU Forensic Anthropology Lab

The MSU Forensic Anthropology Laboratory, directed by Dr. Todd Fenton, provides some of the best forensic anthropology PhD training in the country thanks to the program's incredible research, teaching, and service opportunities. Under the supervision of Dr. Todd Fenton and Dr. Joseph Hefner, graduate students gain experience conducting public service forensic work and teaching undergraduate courses. The laboratory's unparalleled research, primarily funded through the National Institute of Justice (NIJ), contributes to forensic sciences, biomechanical sciences and law enforcement worldwide.

Over the past decade, Dr. Todd Fenton, has received three large grants totaling over \$1.7 million dollars from the NIJ. These grants have funded several research projects that are interdisciplinary, cross-college collaborations with co-PIs Dr. Roger Haut, University Distinguished Professor Emeritus of the Department of Mechanical Engineering,

and Dr. Feng Wei of the Department of Radiology through the Orthopaedic Biomechanics Laboratory. The work has also provided excellent opportunities for our own forensic anthropology PhD students (Mari Isa, Alex Goots, and Elena Watson) who are actively involved in the current project. Over the past decade, several past and present MSU Anthropology graduate students have worked on the preceding interdisciplinary skeletal trauma research endeavors including Caitlin Vogelsberg, Emily Streetman, Carolyn (Hurst) Isaac (PhD 2013), and Nick Passalacqua (PhD 2012). These projects address significant gaps in forensic science by providing experimental data and analytical recommendations for interpreting blunt cranial trauma.

The collaboration between the two laboratories grew from a natural intersection between the Forensic Anthropology Lab's role as a consulting laboratory for law enforcement agencies and medical

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Message from the Chair: Dr. Jodie O’Gorman



Fall Semester 2017 has come and gone, final grades are in, and MSU is under a blanket of snow. It was a busy and exciting semester. As I reported in the last newsletter, Dr. Fredy Rodriguez-Mejia joined the faculty in August as an undergraduate teaching-focused Assistant Professor. This fall he organized the First Annual Anthropology Undergraduate Symposium and Showcase, and it was a fantastic success. On December 7th, twenty undergraduate students with posters or PowerPoint presentations talked with faculty, graduate students, fellow undergraduates, family and friends about their research. They filled the Erickson Kiva and the excitement in the room about doing anthropology was palpable. We are definitely making this an annual

event and I hope it will draw even more students and supporters in the future. Other changes are in the air as well. We are thrilled to welcome Dr. Stacey Camp to the faculty (see story on page 5). Dr. Camp will be taking over the Campus Archaeology Program as Dr. Lynne Goldstein, founder of that program, retires in 2018. We have also started the search process for an environmental archaeologist to round out the archaeology program as Dr. William Lovis retires in August 2018. The department has also hired Dr. Marcy Hessling-O’Neil (2012 PhD), who teaches in anthropology and advises in the Peace and Justice Studies Program, to provide grant support for our faculty and graduate students. Grants are critical for the success of our faculty and graduate students, and there are some exceptional examples of this kind of work in this newsletter. Also important for enriching the research and learning opportunities in the department is the generous support provided by our alumni and others through your generosity. We now have several targeted giving funds, please see the descriptions of these on page 6 and consider how you could help our students realize their passion in anthropology.

Congratulations Graduates!

Congratulations to all of our December 2017 graduates. Pictured below, our PhD grads, from left to right: Fayana Richards, Kelly Colas, Dr. O’Gorman, Ryan Klataske, Adam Haviland, Dr. Tetreault, Sharmin Sadeque, Dr. Louie, and Dr. Morgan



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Success stories in anthropology come via many different paths. However anthropology informs your career, whether you are a practicing anthropologist inside or outside the academy, we want to hear from you.

Email: anthropology@ssc.msu.edu

Grad Student Andy Upton receives Wenner-Gren

Andy J. Upton has been awarded three prestigious grants to assist in the completion of his dissertation research. In 2017, he was awarded the American Anthropological Association Archaeology Division Student Membership Award; a Wenner-Gren dissertation fieldwork grant for “Modeling Networks of Interaction, Identification, and Exchange through Mississippian Period Pottery in the US Midwest,” and a National Science Foundation Archaeology Program Doctoral Dissertation Improvement Grant for “Doctoral Dissertation Research: The Role of Network Relationships in Intercultural Contact.” In 2016, he was awarded the Ruth Landes Memorial Research Fund Individual Grant for “Factionalism, Migration, and Conflict in the Late Prehistoric Central Illinois River Valley” and in 2015 he won the Chicago Field Museum Elemental Analysis Facility National Science Foundation Subsidy Grant for “Factionalism, Migration, and Conflict in the Late Prehistoric Central IL River Valley: A Pilot Study using LA-ICP-MS.”

Andy’s dissertation research looks at how network relationships among complex and smaller-scale societies are restructured by migration. Mr. Upton feels that archaeology is well suited to explore the complex sociocultural formations resulting from intercultural contact because it captures transformations in relationships between communities following contact. His work contributes to the broader social and intellectual theory by enhancing the understanding of the impact of migration on social structure, which is an important analytical issue due to the prevalence of migration induced by war, climatic instability, economic insecurity, and social unrest in both contemporary and prehistoric settings.

His dissertation project, under the direction of Dr. Jodie O’Gorman, examines the role network interrelationships play as indicators of how both local societies and non-local migrant peoples approach intercultural social and economic relations. In particular, Andy’s research addresses the role of the ceramic industry, circa A.D. 1300, and how the immigration of an Oneota tribal group restructured social relationships in a mostly Mississippian chiefly society across the Middle to Late Mississippian transition in the Late Prehistoric central Illinois River valley (ca. A.D. 1200-1450). This research is an outgrowth of the ongoing collaborative research of Dr.



PhD Candidate Andy J. Upton

O’Gorman and Dr. Michael Conner, Dickson Mounds Museum of the Illinois State Museum.

How these communities negotiated multicultural regional cohabitation is another important and relevant aspect of his work. Through his work, Andy hopes to model social networks through clay resource acquisition and the exchange of cooking and serving pottery. Networks of communication are identified based upon the stylistic decorations on pots as well as their form, exhibiting shared relationships of learning and the transmission of culture through time. By providing a dynamic and multi-faceted view on social structure, Andy’s dissertation research contributes to a more nuanced understanding of social and economic transformations resulting from cultural contact.

Currently, Andy works as the Program Coordinator for the Graduate School at the University of Cincinnati where he lives with his wife Sarah and their dog Avey. Andy hopes to defend his dissertation in 2018.

Forensic Lab (continued)

examiner's offices across the state of Michigan, and the Orthopaedic Biomechanics Labs' research on joint trauma. As anthropologists and engineers collaborated to determine the most likely causes of injuries in forensic cases involving complicated skeletal trauma, the need for research specifically addressing this issue became clear.



Mari Isa and Dr. Todd Fenton work in the forensic lab

Their current project combines data from biomechanical experiments, computer modeling, and fracture pattern analysis to predict and document how variables like the location of an impact, the shape of an implement, or the energy of a blow affect patterns of cranial fracture. The goal of the project is to provide forensic practitioners with better tools to make scientific assessments about the circumstances of an injury based on cranial fracture patterns.

Dr. Joe Hefner, who joined the department in

2014, has also recently been awarded NIJ and other funding for his research on craniomorph forensic standards. With the help of his graduate students, Kelly Kamnikar and Amber Plemons, and recent innovations in our laboratory, standard definitions and illustrations of traits that can be seen by the eye and observed without measurements (macromorphoscopic) have been created. These standards are intended to reduce subjectivity and inter- and intra-observer error within databases used for forensic sciences. Creating this standard database necessitates large scale data collection so our researchers have traveled around the country and as far away as Khon Kaen, Thailand for this project.

The research being conducted addresses significant gaps in forensic science standards by: (1) correlating ancestry and the appearance of certain cranial traits in large and globally-diverse samples; (2) establishing a database (The Macromorphoscopic Databank, MaMD) of modern, forensically-significant populations; and, (3) developing appropriate statistical methods for the identification of ancestry in an easy-to-use computer program.

The MaMD will continue to grow and will require increased cooperation and data sharing among researchers in both forensic anthropology and more generally, among all biological anthropologists. Future efforts have great potential for producing more refined estimates of geographic origin, including among juveniles. The success of the MaMD and many of our projects across the department depend on research collaboration, data sharing, and standardized data collection strategies to make them successful.



Amber Plemons, Dr. Joe Hefner and Kelly Kamnikar collecting cranial data in Thailand

Featured Faculty: Dr. Stacey Camp

The Department of Anthropology is pleased to introduce our new Associate Professor in archaeology and Campus Archaeology Program (CAP) Director, Dr. Stacey Camp. Dr. Camp's research centers around an interest in how social inequality is manifested and expressed through material culture and the built environment. More specifically, she employs critical race theory to understand how marginalized groups respond to social isolation and discrimination through their consumption patterns. In her first book, *The Archaeology of Citizenship*, she examined how different marginalized groups, especially migrants, in the United States made claims to nationality and citizenship via material culture. Through this work, she hopes to diversify the stories we tell about the Western U.S., and bring to light elements of its neglected or forgotten past.

In Idaho, Dr. Camp directed a public archaeological repository, where she began to admire CAP's creative and unique approach to public outreach. Projects such as CAP's "MSU dinner", performed in partnership with Campus Culinary Services and MSU Bakers as well as CAP's partnership with the MSU Paranormal Society to offer historic haunted tours are just some of distinctive styles of public engagement she admired from afar. Dr. Camp appreciates how CAP facilitates interdisciplinary collaborations between archaeologists and the campus community at large while also demonstrating the continued relevance of archaeology to the modern world. In her opinion, one of the most important features about the Campus Archaeology program is that it gives students who can't attend field schools outside of the state or abroad an opportunity to gain vital archaeological field school experience at a minimal cost and provides students a very unique opportunity to connect with the history literally underneath their feet.

Her love for historical archaeology began after attending a field school in Ireland as an undergraduate with Dr. Charles Orser, Jr. of Illinois State University. Orser emphasized doing archaeology for the public good, which is what attracted her to historical



Dr. Stacey Camp

archaeology. Camp ended up returning to Ireland to study the representation of the past and archaeological data at government-run museums and heritage sites in 2001, allowing her passions for ethnography, cultural anthropology, and archaeology to merge.

Growing up in Southern California, Dr. Camp loved studying geology and identifying rocks, an interest that eventually morphed into a love of artifacts and history. Having the opportunity to volunteer at a museum in high school made her decision to pursue Anthropology

an easy one. When she's not at work, she loves hiking, reading and reviewing fiction, and spending time with her two children, husband, and their dog. Before MSU, Dr. Camp was at a small land grant institution in rural Idaho for 9 years so there has been a bit of a welcome adjustment being back around an urban center. She and her family are excited to be at a university with so many resources and events taking place and to be near water and ice rinks again.

Dr. Camp says that the best part of her job is she gets paid to continually learn new information as well as to adapt to the changing needs of students in the classroom. She has taught thirteen different courses



Dr. Camp excavating at Kooskia Internment Camp

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Researching Anti-Muslim Sentiment Effects on Women

Since the terrorist attacks on 9/11, Muslim Americans have been the focus of increased scrutiny and surveillance. More recently, however, the period since and leading up to the American presidential election shows that: 1) anti-Muslim hate crimes are on the rise, according to FBI data and 2) anti-Muslim public discourse and everyday aggression are coalescing against Muslim women, and especially hijabis or women wearing headscarves. Meanwhile, in France, a similar pattern has emerged in the public targeting of Muslims, and especially hijabi women. As a New York Times article notes, in recent years in France “80 percent of the anti-Muslim acts involving violence and assault were directed at women, most of them veiled.”

Dr. Tetreault is partnering with Dr. Farha Abbasi (Psychiatry, MSU) and Sara Tahir (2nd year graduate



Dr. Tetreault and Sara Tahir attending the AAA after their paper presentation, November 2017

student in Anthropology) to investigate how Muslim women in the United States and France are responding comparatively to an apparent rise in gendered Islamophobia in each context. This research is urgent because women’s responses to anti-Muslim sentiment in a post-election moment constitute ephemeral data. Among other outcomes, they document that women’s self-conscious but fraught choices remain true to oneself and one’s religion, despite becoming a target for racist or Islamophobic violence. They also seek to understand how intersecting identities such as ethnicity/race, immigrant status, age, and other factors play a role

in how individual Muslim women are experiencing these shifts in French and U.S. political climates.

Thus far, their team has collected 40 surveys from Muslim women respondents from a variety of

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Guide to Giving in Anthropology

Your gifts can be directed to (<https://www.givingto.msu.edu/gift/index.cfm?sid=701>):

Department of Anthropology – This is a general fund used to support undergraduate and graduate student travel and research, bring in visiting scholars for lectures and workshops, and support other learning events across the sub-disciplines

Alumni and Friends Expendable Fund in Archaeology – This fund supports a competitive archaeology student research enhancement award and visiting archaeology scholars that provide public lectures, visit classes, and provide student workshops.

Forensic Anthropology Lab Fund – Special equipment needed for the lab as well as forensic student research and learning support is provided with this fund.

Department of Anthropology Memorial Fund – Used occasionally to collect donations in honor of a recently deceased member or friend of the department. Families of the deceased typically help decide how the memorial funds are used, usually a scholarship related to the individual’s work.

Archaeology – This is a general archaeology fund that can be used to cover lab and field equipment, student support for conferences, research, or teaching needs.

Lynne Goldstein Fellowship Fund – Provides fellowships to graduate students in any of the sub-disciplines who have worked with the Campus Archaeology Program.

Alumnae Dr. Jane Wankmiller, Director of FROST

We are very proud to announce that our recent alumna, Dr. Jane Wankmiller, is the new Director of the Forensic Research Outdoor Station (FROST), and Assistant Professor of Anthropology at Northern Michigan University (NMU). FROST, is currently under construction, and will function as an outdoor forensic anthropology research and training facility located in Marquette, MI, near the NMU campus. Her position is part of a new major in anthropology started Fall Semester 2017. Currently, NMU offers concentrations in either cultural anthropology or archaeology, and Dr. Wankmiller will be bringing a third concentration in physical anthropology to the program. She will develop course work over the next few years to serve as the basis for that concentration and as prerequisites for students who wish to work on projects associated with the forensic anthropology lab or the FROST.

Dr. Wankmiller's general research interests stemmed from working for the Michigan State Police (MSP) throughout her graduate career in anthropology here at Michigan State University. During that time, she assisted on several cases and was called on for advice in several others. Her work generated specific research questions about estimation of time since death, search and recovery, and positive identification of decomposed remains, but due to the nature of her position within MSP, opportunities to explore those questions never surfaced. While at NMU, Dr. Wankmiller will consult as a forensic anthropologist on medical examiner cases involving decomposed human remains and remains requiring positive identification and skeletal trauma analysis. She will also be developing a workshop program to provide training for law enforcement, educators, and students in the Upper Peninsula. These various research opportunities will allow her to finally examine some of the questions her work with the MSP provided.

Originally, Dr. Wankmiller was a biology major with an interest in scientific illustration. It was in art school when she enrolled in her first anthropology class. It changed her life and in her own words, "It showed



Dr. Jane Wankmiller

me how connected we all are to one another and how our past has shaped our present." This is the moment she realized she wanted a career in anthropology. Given her focus was always more biological, the realization that she could study human remains and still be an anthropologist caused her focus to shift and through the discovery of forensic anthropology, an awareness that her knowledge of human skeletal remains could make an immediate impact on real-time cases was realized. She quickly changed her academic trajectory and never turned back. Dr.

Jane Wankmiller graduated in 2010 with an MS in Forensic Science (concentration in anthropology) and in 2016 with a Ph.D. in Anthropology (focus on bioarchaeology) from MSU.

Jane's current work with NMU builds on her past work with MSU's own Dr. Norm Sauer as his assistant for forensic anthropology cases. This opportunity allowed her to work with the local medical examiner's office as a death investigator. Both positions factored into her employment with the MSP. Her position at FROST allows her experiences to coalesce in a meaningful way. Her future research interests lie in the improvement of forensic art techniques, and the contributions they can potentially yield regarding effects of taphonomy on forensic anthropology.

FROST is only the 8th such facility in the United States, with a similar facility in Massachusetts focusing on studying the taphonomy and postmortem condition of non-human subjects. In that regard, the work at FROST is not new, but it stands to contribute to our understanding of human decomposition and taphonomy as it is the farthest north of all such facilities. The extreme northern nature of FROST will enable Dr. Wankmiller to systematically study the effects of a cold climate on those processes. Through the collaborative research between the NMU facility and the other facilities across the country, Jane is hopeful they can serve the law enforcement and medical examiner communities with high quality

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Adjunct Feature: Dr. Erica Dzedzic

Dr. Erica Dzedzic is an Adjunct Assistant Professor in the Department of Anthropology, who has taught for the department several times. At the young of 8, Erica decided she wanted to become an archaeologist and made it a reality in August of 2016 when she received her doctorate from our department under the guidance of Dr. Lynne Goldstein. Early during her collegiate career, the love for archaeology had her gravitating towards anthropology because of its ability to answer questions about human behaviors by focusing on cultural groups rather than individuals. The way in which groups of people use art to convey information sparked her curiosity as a child because we have been creating art for thousands of years. She believes, as do many, that it is an integral part of our humanity. This sentiment continues to drive both her research and teaching.

Dr. Dzedzic's dissertation research focused on the organization of geometric designs on Andean ceramic vessels. Using the archaeological record as a tool to explore the cultural messages encoded within art and design, her dissertation allowed her to analyze the information these designs offer us regarding human interactions with their environment. Her research interests still closely align with this, focusing on art and design as forms of communication that can be relayed through the mortuary archaeology of prehispanic, Andean South America.

The creativity of art and forms of design carries over into her work on campus. Dr. Dzedzic employs the creative processes and the exciting opportunities that present themselves in academia in her pedagogy and utilizes the dynamic work environment of the MSU campus to invigorate both her teaching and research endeavors. Through teaching, Dr. Dzedzic engages with anthropology in innovative ways, tailoring her classes to the students, often first, experiences with anthropology. Why are people interested in anthropology as a field and what drives them to want to learn more about it? Engaging with her students



Dr. Erica Dzedzic

offers a way to answer these questions and has ignited a newfound passion. Had she not had the opportunity of being an adjunct lecturer, she would have never known how much she loved teaching.

Dr. Dzedzic says The Department of Anthropology at MSU prepared her for a successful career by allowing her to take each new professional

step, one at a time. Large research and writing projects can be daunting, but Erica feels that her mentors worked with her at each hurdle to break the overwhelming into small, manageable parts. The advice she received from her advisors continues to help her find a balance between career (research, travel, teaching) and family.

Eventually, Dr. Dzedzic plans to explore the role perception plays in how humans process and transmit information through art forms and behavioral patterns through interdisciplinary teamwork. Over the course of the summer months and the coming year, we should look for several articles from Erica about ceramic form and design.



Dr. Dzedzic working on ceramics in Peru

Researching Anti-Muslim Sentiment Effects (continued)

backgrounds, conducted one focus group in Michigan, and presented two conference papers including a co-authored paper with Sara Tahir at the recent American Anthropological Association (AAA) meetings in DC. They are currently writing up the results of this preliminary research to submit for publication. Thus far, they have been fortunate to obtain internal funding for their important work. For the next phase of their research, they plan to submit external grant proposals.

In spring 2017, Dr. Tetreault was able to hire Sara Tahir as a research assistant thanks to a small grant from the Muslim Studies Program at MSU. Over the summer, thanks to a Strategic Partnership Grant from the Center for Gender in Global Perspective (GenCen), Dr. Tetreault was also able to conduct preliminary research on a two week stay in Paris, France. There, she developed long-term international strategic partnerships with Sciences Politiques, and migration expert Dr. Wihtol De Wenden. Dr. Tetreault and Ms. Tahir were able to partner with a French practitioner and social worker Sanhadja Akrouf, who will help them recruit survey respondents for the French portion of their study, to complement and complete the current research among Muslim women in Michigan.

Graduate Students of Anthropology

Our Graduate Student Association has been busy this fall. The first order of business was elect new officers. Congratulations to President Caitlin Vogelsberg, Vice President Jack Biggs, Information Officer Amber Plemons and Treasurer Kelly Kamnikar.

So far this semester, the GSA has awarded two scholarships, hosted our annual Chili & Cornbread Cookoff, participated in the Puerto Rico Rises donation campaign and held a workshop for undergraduates.



Graduate Student Jack Biggs with his 1st place Chili Trophy



GSA Chili Awards 2017

Amber Plemons and Alex Goots were awarded Academic Enhancement Scholarships to fund things like travel, technical training, and software and equipment purchases. The Annual Chili

& Corn bread cookoff saw 10 chili entries, 5 cornbread entries and full stomachs all around. Congratulations to our winners, Jack Biggs in the meat chili category, Lisa Bright in the vegetarian chili category and Kelly Kamnikar in the cornbread category.

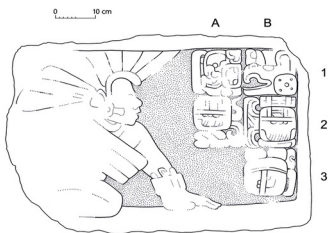
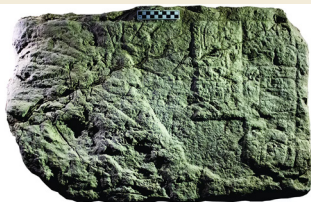
After the devastating effects of Hurricane Maria, the GSA partnered with the Ann Arbor branch of Puerto Rico Rises to gather donations for the victims of the hurricane. This organization is partnered with several corporations and universities to help the relief effort. Big thanks go out to everyone who contributed.

For the first time, the GSA also partnered with the undergraduate MSU Anthropology Club to host a "Prepping for Graduate School" workshop. Undergraduates were paired with graduate students in their field of interest to ask questions about the application process, receive comments on the resumes and personal statements and to discuss the graduate school experience in general. This event was attended by 10 undergraduates and 10 graduate students and we hope to make it an annual event.

Around the Department

Graduate student and PhD. Candidate Susan Kooiman received the 2016-2017 Moreau Maxwell Scholar Award. This award is given to an Anthropology graduate student for an outstanding research contribution in Anthropology. The award is named in honor of the late Professor Moreau Maxwell, who is internationally recognized for his research contributions in Arctic archaeology. This award was presented in recognition of Ms. Kooiman's two journal articles published in 2016, and co-authoring two more in the year 2017. Congratulations Susan for your recognition.

Dr. Gabe Wrobel and his Central Belize Archaeological Survey project (CBAS) have recently published an article in *Antiquity* on stone panels they found depicting kings playing a ballgame. This article has been highlighted in several other news sources such as *Archaeology Magazine*, the *UK Daily Mail*, *Live Science* and the *Archaeology Channel* podcast. The CBAS project is a multidisciplinary effort and the article is authored by several people, highlighting this focus on bringing experts together from all over. For live links to these sources, be sure to check our digital format in your email.

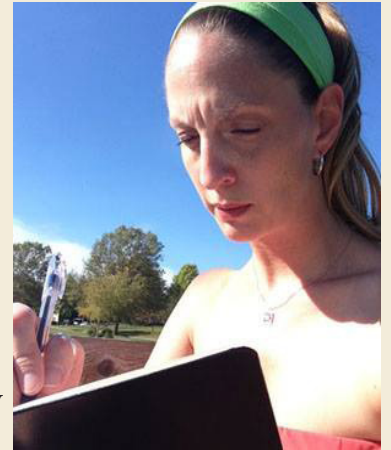


Graduate student, PhD. Candidate and Graduate Student Association President Caitlin Vogelsberg was awarded one of 20 fellowships by the National Institute of Justice (NIJ) for their Graduate Research Fellowship in STEM for the 2017-2018 academic year for her project "Increasing Identifications of Deceased Border Crossers: Investigating Spatial and Skeletal Attributes of Migrant Deaths". This award will support Caitlin during her dissertation project research and writing phases. Ms. Vogelsberg hopes to complete her dissertation this spring.

Dr. Wankmiller (continued)

forensic anthropology services and training that complement those of MSU Forensic Anthropologists.

As far as the near future goes, the infrastructure for the forensic anthropology research facility and the accompanying laboratory should be in place by the spring of 2018. Dr. Wankmiller anticipates starting some of their law enforcement training workshops and educational programs by the summer of 2018.



Dr. Wankmiller working in the field.

Dr. Camp (continued)

over the last 10 years as a professor, and learned much about human behavior, the past, and different cultures through her various course preps. She enjoys the challenge of learning and integrating new technologies and pedagogies into her classes to keep content fresh and relevant to today's students.

Dr. Stacey Camp's current research project involves archaeological and archival research on a World War II internment camp in Idaho, the Kooskia Internment Camp, where first generation Japanese migrants were imprisoned as enemy aliens by the United States government. This project uses material culture to examine how these Japanese migrants coped with incarceration. After two field seasons at the Kooskia Internment Camp, she is working on cataloging and analyzing her data, and has hopes to finish the cataloging process this year, which will allow her to publish her findings. The raw (and published) data can be found on www.internmentarchaeology.org.

Currently, she is writing an article on race and public health in World War II internment camps and has a commentary on an edited volume of the journal *Historical Archaeology* concerning World War II internment coming out next year. Also coming out in the next year is a book chapter on databases in historical archaeology.

Alumni & Friends of Archaeology Fund Update

The Alumni and Friends of Archaeology Expendable Fund, established to enhance research and learning of undergraduate and graduate students in the archaeology program through the MSU Department of Anthropology, provided two student awards Spring 2017. This was the inaugural year for the Alumni and Friends of Archaeology Research Enhancement Award. The Enhancement Award was granted to two doctoral students, Kate Frederick and Susan Kooiman. Dr. Bill Lovis serves as the doctoral advisor for both students.

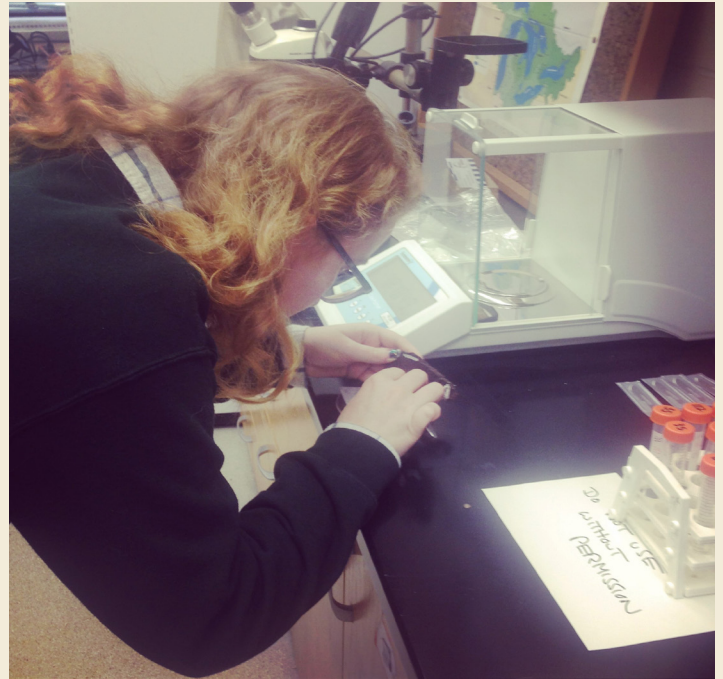


Kate Frederick excavating at the UMBS

Ms. Frederick was able to complete the fieldwork/data collection portion of her dissertation using these funds, which allowed her to spend two weeks in the field. She is now completing her data analysis. Kate's research examines prehistoric food storage as a risk management strategy and the landscapes suitable for caching along inland waterways in Northern Michigan.

Kate's interdisciplinary field research, carried out at the University of Michigan's Biological Research Station, was completed with the assistance of graduate and undergraduate students from the Department

of Anthropology, and Dr. Randy Schaetzl from the Department of Geography, Environment and Spatial Sciences.



Becca Alberts analyzing macrobotanicals for Susan Kooiman

Ms. Kooiman was able to fund the processing of additional laboratory samples for her dissertation. She sent out samples for laboratory analysis of Carbon to Nitrogen stable isotope ratios and lipid residue analysis. Some of these results allowed her to confidently say that predatory fish were consistently cooked in the ceramic vessels she is using. Her dissertation research examines dietary and technological change through time (200 BC – AD 1700) for precontract Native Americans. Her research takes place in Northern Michigan waterways, along Lake Huron.

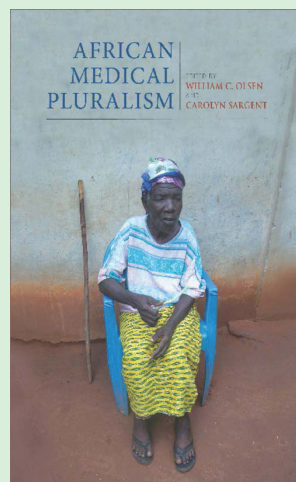
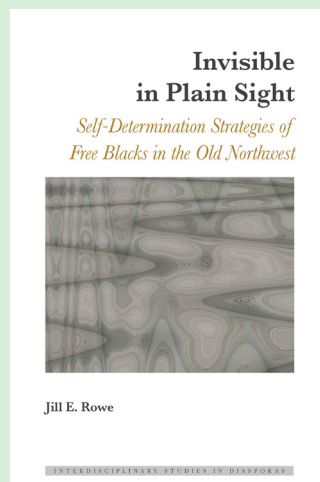
Susan's interdisciplinary work involved Department of Anthropology undergraduate student Becca Alberts, Dr. Frank Telewski from the Department of Plant Biology, Dr. Catherine Yansa from the Department of Geography, Environment, and Spatial Sciences and Dr. Ryan Tubbs from the Department of Radiology, Division of Human Anatomy here at MSU.

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Alumni Book Releases

**Invisible in Plain Sight:
Self-Determination
Strategies of Free
Blacks in the Old
Northwest**
Dr. Jill Rowe

**African Medical
Pluralism**
Dr. William Olsen and
Dr. Carolyn Sargent



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