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Anthropology Department Annual Newsletter

Department of Anthropology

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Anthropology News



Bringing Maine to the World and the World to Maine

Orono, Maine • Summer 2014 • Issue 7



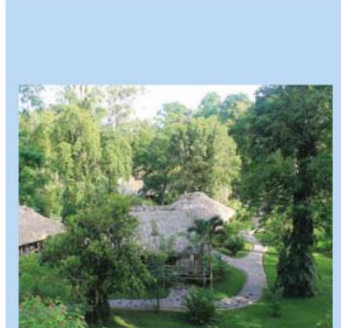
In the field (Belize) using our iPad data collection system

Hello and welcome to the 2014 edition of the Department of Anthropology's annual newsletter. It has been a busy year, and we are excited to share the latest news! The department continues to grow and develop in new ways. We are delighted to introduce Dr. Sam Hanes as assistant professor beginning fall 2014. Sam has already made significant contributions to the department, and we welcome him in his new role! Sam earned his Ph.D. from Rutgers University in 2008 and has particular interests in cultural geography, environmental anthropology, agriculture and historical geography. We also welcome back Dr. Dan Sandweiss, returning after nine years as University of Maine Graduate School Dean. Dan is an archaeologist interested in maritime adaptations and climate change in Latin America; his research focuses on the desert coast of Peru. Dan will spend the 2014-15 academic year on sabbatical to advance a number of scholarly projects before returning to a full-time slate of teaching, research, and service in the fall of 2015.

Our graduate programs continue to grow, creating a dynamic community in South Stevens of undergraduate students, graduate students, faculty, and staff. The Ph.D. program in Anthropology and Environmental Policy enters its third year, and we are delighted to welcome in three new students. Sarah Ebel enters with a B.A. in Biology and Environmental Studies from Bowdoin College, and she will work closely with faculty in her role as Teaching Assistant for our large introductory courses, Human Origins and Prehistory and Diversity of Cultures; Jamie Haverkamp, who holds a B.A. in Visual Journalism from the Brooks Institute of Photography and an M.S. degree in Geography from the University of Tennessee, enters through the A2C2 IGERT program, and Kirsten Kling enters the program with a B.A. in Cultural Anthropology from the State University of New York at Cortland, and she will work closely with UMaine's Hudson Museum in her role as Educational Outreach Coordinator. Finally, the Anthropology Department continues its close relationship with the Climate Change Institute, and we are pleased to welcome archaeologist Chris Sockalexis into the M.S. program in Quaternary and Climate Studies. Chris holds a B.A. degree in Anthropology from UMaine and will continue to serve in his role as the Penobscot Nation Tribal Historic Preservation Officer. A hearty welcome to all!

Finally, the department has worked hard to advance a number of curricular and program changes over the past year. Our new undergraduate program, a B.A. in Human Dimensions of Climate Change, was approved over the summer and is officially open for enrollment. We also recently developed a new minor in Archaeology. We now manage, or help to manage, two graduate programs (Ph.D. in Anthropology and Environmental Policy; M.S. in Quaternary and Climate Studies), three undergraduate programs (B.A. in Anthropology; B.A. in International Affairs/Anthropology; B.A. in Human Dimensions of Climate Change), and four minors (Anthropology; Archaeology; Geography; Religious Studies), but who's counting???

-Greg Zaro, Department Chair



Department Faculty

Gregory Zaro,
Associate Professor
and Chair

James Acheson,
Emeritus Professor/
Research Professor

Christine Beitzl,
Assistant Professor

Sam Hanes,
Assistant Professor

Stephen Hornsby,
Professor

Cindy Isenhour,
Assistant Professor

Henry Munson,
Professor

Lisa Neuman,
Associate Professor

Darren Ranco,
Associate Professor

Brian Robinson,
Associate Professor

Paul "Jim" Roscoe,
Professor

Daniel Sandweiss,
Professor

Cooperating Faculty

Teresa Johnson,
Assistant Professor

Alice Kelley,
Assistant Professor

Timothy Waring,
Assistant Professor

Research Faculty

Marcella Sorg,
Research Associate
Professor

Faculty Associates

Ann Acheson,
Eunice Blavascunas,

**Marcia-Anne
Dobres,**

Pauleena

MacDougall,

Karen Miller,

Kurt Rademaker

The Department Welcomes Four New Graduate Students

Ph.D. in Anthropology and Environmental Policy

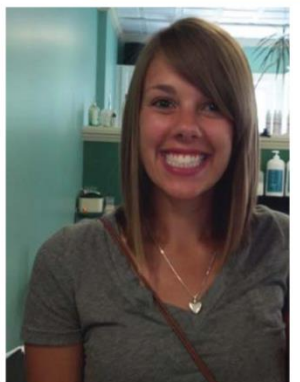
This fall, the Department welcomes three new Ph.D. students into the Anthropology and Environmental Policy program: **Sarah Ebel**, **Jamie Haverkamp**, and **Kirsten Kling**. We also welcome **Chris Sockalexix** into the M.S. Quaternary and Climate Studies program.



Sarah Ebel is originally from Simsbury, CT. She graduated from Bowdoin College in 2010 with a degree in Biology and Environmental Studies. After graduation, Sarah traveled to Chile, New Zealand, Indonesia, Tanzania, and Scotland as a Thomas J. Watson Fellow to work with community-based organizations and fishermen associations in order to better understand the ecological, economic, and social issues facing fishing communities. She recently completed an Island Institute Fellowship with Penobscot East Resource Center in Stonington, ME. Sarah fostered a deep love of being on the water working as a sternman on the lobster boat F/V Nightingale out of Stonington. She is working with Dr. Beitzl to explore how fishermen's ecological knowledge can be incorporated into fisheries management, and how management and fishing communities can adapt to climate and earth system changes.



Jamie Haverkamp is an A2C2 IGERT fellow working on adaptation to abrupt climate change through the Climate Change Institute. Jamie is co-advised by Dr. Isenhour and Dr. Ranco. Her research is focused on issues related to adaptation governance, dimensions of equity, and issues of vulnerability and adaptive capacity in the context of global environmental changes. Jamie completed an M.S. in Geography from the University of Tennessee in May, 2014. Concurrently she worked at Oak Ridge National Lab with the Climate Change Institute and Geographic Information Systems and Technology group. She spent time in Virginia and Colorado working as a photojournalist after receiving her B.A. in Visual Journalism from Brooks Institute of Photography in 2005. She hopes to bring her skill set to bear by using her story-telling abilities to address place-based socio-ecological issues.



Kirsten Kling graduated from the State University of New York at Cortland in the spring of 2014 with a B.A. in Anthropology and minors in Native American Studies and Archaeology. She has a passion for learning about other cultures, including ancient ceramic technologies—specifically from the Greeks, Etruscans and Indigenous Meso- and South Americans. She is also interested in the environment and sustainability. At SUNY, she was a Green Representative on campus, promoting sustainability within the residence halls and holding environmental education programs for residents. In the fall of 2013, she studied abroad in Florence, Italy, during which she visited over thirty museums, traveled, and experienced the cultures of the country, fulfilling a lifelong dream. In her spare time, Kirsten enjoys camping, reading, playing rugby, and spending time with her dogs.

New Students Continued

MS in Quaternary and Climate Studies



Chris Sockalexis is a member of the Penobscot Nation and is the Penobscot Nation Tribal Historic Preservation Officer. Aside from archaeology, Chris's primary interests are kayaking and canoeing the waterways of Maine with friends and family. Chris is also an accomplished powwow singer with his drum-group The RezDogs. Chris's current research projects include the Jones Cove shell midden in Frenchman Bay and the archaeology of the Penobscot River watershed.

Human Dimensions of Climate Change Degree



A few years ago, regular readers of the newsletter will remember, the Department launched plans for a new undergraduate major, The Human Dimensions of Climate Change. We are delighted to announce that the program was approved late this summer and is now accepting students.

The new major developed out of the Anthropology Department's historically strong connections to the Climate Change Institute. Several Department members are cross-appointed as regular or cooperating faculty to the Institute, and these connections have been further strengthened by our participation in the NSF-funded IGERT graduate program, Adaptation to Abrupt Climate Change (now in its third year). The major was the brain child of **Kristin Sobolik**, now Dean of Liberal Arts at Wright State, who everyone will remember fondly as our Department Chair in the mid- to late 2000s. Our capacity to support the program was greatly strengthened by our recent faculty hires in geography and environmental, ecological, and economic anthropology.

As the Intergovernmental Panel on Climate Change stressed in stark terms in its latest Synthesis Report, climate change increasingly threatens the well-being of

our planet. If we continue on our current path, the Report makes clear, most of our students today will grow old on an Earth very different from the current one. There are two dimensions to this problem: understanding the Earth's climate system and understanding its human dimensions—the origins of the climate threat, how our activities will affect it in the future, and what can be done to reduce and adapt to the consequences. The new program targets these human dimensions. It will provide students with knowledge and tools to understand the coming world and to qualify them for careers in climate-change management and adaptation.

The new major is unique in the U.S. Indeed, there is only one other, similar social-science program in the English-speaking world (in the UK). It is unusual as well because of its global perspective, focusing on such issues as culturally specific drivers of climate change, cross-cultural barriers to climate-change comprehension, and the inequitable global distribution of climate-change costs and benefits.

For further information, please visit the departmental website:

umaine.edu/anthropology/degree-programs/ba-in-human-dimensions-of-climate-change-hdcc/

-Paul "Jim" Roscoe

UMaine Anthropology Alums - We Want to Hear From You!

What have you done since graduation? We would like to inform current and prospective students of the many opportunities to which a degree in anthropology can lead. Please send information to:

University of Maine Department of Anthropology,
5773 S. Stevens Hall, Orono, ME 04469-5773 or email Gail.Agrell@umit.maine.edu

Student Updates



Sam Belknap spent the summer interning for the Rockland, Maine-based Island Institute. While there, he helped organize a series of community meetings aimed at preparing Maine's island and remote coastal communities for a changing climate. The Island Institute recently hired Sam as a consultant to help bring several projects through to fruition during the Fall of 2014. In addition to his consulting work Sam is continuing an interdisciplinary research project on lobster shell disease with fellow UMaine Ph.D. students Jared Homola (Wildlife Ecology) and Kisei Tanaka (School of Marine Sciences). Presentation of a recent project involving Maine Sea Grant and the Massachusetts-based Social and Environmental Research Institute (SERI) garnered Sam second place for the 22nd annual Harold W. Borns Symposium best student presentation. In October, Sam was awarded the Richard J. Borden Award for his presentation at the 20th annual Society for Human Ecology Conference, held at the College of the Atlantic, Bar Harbor, Maine. In addition to his academic and research activities, Sam is also serving as President of the Graduate Student Government and as the Senior Editor of the UMaine-based policy-centered Cohen Journal.



Kendra Bird spent a third consecutive summer field season at Holmes Point West in Machiasport, the site on which she is doing her Master's research, and subsequently participated in a survey of a nearby property sponsored by the Maine Coast Heritage Trust. Kendra spent the remainder of the summer processing related materials in the university's archaeology lab. Kendra will complete her MS coursework in the fall of 2014 and is on track to complete both her thesis and certificate in Geographic Information Systems by December 2015.



Kourtney Collum spent the summer hosting and evaluating a series of free pollination workshops for apple and blueberry growers across Maine, in collaboration with Dr. **Samuel Hanes** and Dr. Frank Drummond from the School of Biology and Ecology. The research was funded by the Northeast Sustainable Agriculture Research and Education (SARE) program and is part of Hanes and Collum's broader research on the barriers to increased native bee conservation in Maine's lowbush blueberry industry. They presented this research at the Society for Human Ecology Meeting in Bar Harbor in October. Kourtney was awarded a 2014 National Science Foundation Doctoral Dissertation Improvement Grant, and placed second in the University's 2014 GradExpo Social Sciences Oral Competition. She also received a Chase Distinguished Research Assistantship for the 2014/2015 academic year. In August, Kourtney successfully completed the AEP qualifying exams, becoming the first Ph.D. candidate in the AEP program. Kourtney is excited to begin her dissertation research examining the intersections of agriculture, policy, and bee conservation in coastal Maine and Prince Edward Island.



Sky Heller is tackling her second year of Ph.D. coursework, as well as her second and final year as an A2C2 IGERT Fellow. Sky's research focuses on understanding how past changes in the Gulf of Maine environment affected local fisheries ecology and culture. She approaches these questions through faunal analysis of rare and endangered shell midden archaeological sites. Sky spent her summer analyzing samples recovered from the Turner Farm site during excavations in the summer of 1972 and 1973.

2014 CLAS & Anthropology Outstanding Graduating Senior



In the spring of 2014, the department was extremely pleased to recognize **Ariel Bothen** as Anthropology's Outstanding Graduating Senior. Even more noteworthy was Ariel's recognition as the College of Liberal Arts and Science's Outstanding Graduating Senior as well. Originally from Mount Desert, Maine, Ariel achieved a truly remarkable academic record. A member of the Honor's College, Ariel earned a 4.0 GPA with a double major in Anthropology and International Affairs/Political Science. She also completed minors in Spanish and History, spent a Semester at Sea during the spring 2012 term, and studied abroad in Spain during the summer 2013 term. Ariel was a member of numerous academic honors societies and was awarded a number of competitive scholarships, including the Paul G. Coulombe Scholarship, Sun Trust Scholarship, and Presidential Scholar Achievement Award. She was also a strong leader on campus and an advocate for community service and outreach. Ariel served

as the undergraduate representative on the Provost's Council, senator in the UMaine Student Government, and president of the UMaine Amnesty International Chapter, which holds events to raise awareness of human rights abuses. After graduation, Ariel moved to Washington, D.C., where she spent the summer working as a legislative intern for Senator Angus King, primarily in the policy areas of education and environment. Ariel recently remarked, "It's been an incredible opportunity to be able to be [in Washington, D.C.] in the heart of the political action and foreign policy world." As for the future, she will continue her internship at least through December 2014 and subsequently seek opportunities in social science research or policy work. Ariel also has plans to pursue graduate studies in the next year or two. Congratulations to Ariel on all of her success thus far!

2014 Student Highlights

Marissa Bovie - Center for Undergraduate Research (CUGR) summer fellowship

Anthropology and School of Earth and Climate Sciences

Landscape change and human agency in Croatia

Advisor: **Greg Zaro**



From May-June, 2014, I traveled to Zadar, Croatia with Dr. **Greg Zaro** to begin development of our project regarding landscape evolution and human agency. Over the course of the trip, I was able to walk

the site we hope to excavate in the future and meet with professionals who provided both advice and potential partners for our future research. In our efforts to establish interdisciplinary and internationally collaborative dialog, we discovered many challenges and opportunities. We had to reevaluate our discussion structure to accommodate cultural differences, but have developed an effective strategy to engage in collaborative international work. We are in the process of writing proposals in order to pursue work in Croatia in the near future.

Eliza Kane - NSF REU summer fellowship

Anthropology & School of Earth and Climate Sciences



I am a seventh year Geology and Anthropology dual-degree student from Deer Isle, Maine. After transferring from Mount Holyoke College in western Massachusetts in 2010, I spent the past four years studying the interactions between natural and human environments. My research interests include geology, geoarchaeology and climate change studies. This past summer I took part in an interdisciplinary Research Experience for Undergraduates funded by the National Science Foundation in the central Illinois River valley excavating a Mississippian site dated to approximately 1300 A.D. As part of the program, I conducted an independent research project on the geochemistry and historical ecology of an excavated burnt house at the site, a project I will be continuing as my senior Honors thesis. I was thrilled to present my results at the Midwest Archaeological Conference on October 3, 2014.

My research interests include geology, geoarchaeology and climate change studies. This past summer I took part in an interdisciplinary Research Experience for Undergraduates funded by the National Science Foundation in the central Illinois River valley excavating a Mississippian site dated to approximately 1300 A.D. As part of the program, I conducted an independent research project on the geochemistry and historical ecology of an excavated burnt house at the site, a project I will be continuing as my senior Honors thesis. I was thrilled to present my results at the Midwest Archaeological Conference on October 3, 2014.

Student Highlights Continued

- **Olivia Duym**, runner-up for Top Graduating Senior by the Anthropology Department
- **Marissa Bovie** and **Ryan Rybk** were recognized as the Top Non-Graduating Students of Senior or Junior Standing by the Anthropology Department

Center for Undergraduate Research Presentations

Sam Hatch and **Emily Blackwood** – poster
Pollen analysis from Machias Bay archaeological excavations
Advisor: **Brian Robinson**
Award: Best Poster

Marissa Higgins – poster
Cultural properties protection and armed conflict
Advisor: **Darren Ranco**

Joseph Goodin – poster
Analysis of fine screen samples, Waterside shell midden
Advisor: **Brian Robinson**

Anthropology Alum Featured in *Science*



Dr. Kurt Rademaker

This fall, UMaine archaeologist Dr. **Kurt Rademaker** published work documenting the highest human settlement dating to the period of the last ice age. The Pucuncho archaeological site, 4,355 masl, included 260 formal tools, such as projectile points, nondiagnostic bifaces and unifacial scrapers up to 12,800 years old. Rademaker, who received his Ph.D. from UMaine in 2012, has worked on the Peruvian altiplano for the last several years. This most recent discovery occurred while leading a team that includes UMaine Professor **Daniel Sandweiss** and Department of Anthropology alums **Peter Leach** and **David Reid**. The discovery of a human habitation at nearly 4,500 meters above sea level pushes back the date that humans are known to be living at such extreme elevations by almost 1,000 years. The high Peruvian Andes are a place where intense solar radiation, low temperatures, and low oxygen levels make it a difficult place for human habitation. Despite this fact, this study shows people were living there around 12,000 years ago, just 2,000 years after humans first arrived in South America. “Study of human adaptation to extreme environments is important in understanding our cultural and genetic capacity for survival,” the team writes in the journal *Science*. The full research article can be found using the following reference:

Paleoindian settlement of the high-altitude Peruvian Andes. Kurt Rademaker et al. *Science* 346, 466 (2014); DOI: 10.1126/science.1258260



Rademaker points out a feature at the site



Excavations at the Pucuncho site

Anthropology News is published by The Department of Anthropology
Edited by **Sam Belknap**, **Kourtney Collum** & **Sky Heller**.
For photo information or credits please contact Sam Belknap: samuel.belknap@maine.edu

2014 Archaeology Field School

We had another very good archaeological field school in 2014. It's kind of scary after multiple great years because it seems like we are destined to get rained out or exposed to some other extreme weather, but once again we completed a full season. We had a very good group, which is not to be taken for granted. The UMaine Field School on Machias Bay is supported by a Maine Academic Prominence Initiative (MAPI) grant. The field school has been conducted in cooperation with the Passamaquoddy Petroglyph Project for the past five years. **Gail Agrell** pulled it together. None of this is to be taken for granted. It was a very good year.



Field School 2014. Jeron, absent the day of the photo, is photoshopped into the foreground because he lost a bout with a lobster the previous day

We returned to the Holmes Point West site for the fifth year. Every year has proved worth returning as the problems become more refined. Two years ago we found a pit feature that contained multiple extinct sea mink skulls, suggesting special treatment of this animal. This year we finally completed the sea mink feature, and in the meantime, learned what we should be looking for in much greater detail. Last year Andrea Nurse (Climate Change Institute) assisted **Sam Hatch** and **Emily Blackwood** in a pollen analysis of the feature. Fine layers of shell, burned shell, and soil suggested multiple events that we did not even suspect until researcher



Sam Hatch (foreground) explains sea mink success to field supervisor Walter Beckwith

Andy Heller prepared a block of the shell midden that was solidified, cut, polished, and studied with the Scanning Electron Microscope, assisted by Marty Yates (School of Earth and Climate Sciences). We went into the field armed with new things to look for, and we found them, greatly refining our understanding of a complicated living floor. Yes, we can get pretty excited about some pretty specialized tidbits of evidence, but it will all fit into a bigger picture, with the help of graduate student **Kendra Bird's** GIS capabilities. Part of our purpose



One of the sea minks

is to emphasize the importance of coastal shell midden sites, which are eroding away due to sea level rise. Geoarchaeologist **Alice Kelley** and I recently attended a meeting in Maryland where it seemed like everyone

was talking about impending losses.

This is why we keep going back. Machias Bay is unique for the concentration of petroglyphs or rock art, a spiritual legacy in stone for the Wabanaki and the immediate ancestors of the Passamaquoddy. The Passamaquoddy are working to understand and preserve this heritage and the shell middens are an important part of that. Each year Donald Soctomah takes us to the major petroglyph site, and it is here that the field school students really understand the depth of meaning and importance of the excavations they are contributing to. Thank you all for a very good year.

-**Brian Robinson**

Faculty News



Gregory Zaro returned to Croatia in May and June to follow up on his successful Fulbright experience there last year. Greg continues to lay the foundation for a long-term program of study that includes an international and interdisciplinary approach to understanding landscape change and human agency in the coastal Adriatic region around Zadar from about 2,500 years ago to present. Greg is also interested in developing integrated educational and research training opportunities in Croatia for UMaine students, and undergraduate anthropology student **Marissa Bovie** accompanied him to Zadar for a period of about four weeks this summer to begin working out the intellectual and logistical details of such opportunities for the future. In addition to his work in Croatia, Greg also co-directed the Chan Chich Archaeological Project in northwestern Belize in June and July. This represents a continuation of his collaborative work with Dr. Brett Houk of Texas Tech University and their efforts to unravel the evolution of ancient Maya cities through time. **Casey Kellner**, another UMaine undergraduate Anthropology student, participated in this month-long project with Professor Zaro.



Dan Sandweiss spent most of August in Peru, conducting fieldwork and attending meetings. He worked with CCI adjunct professor Curt Stager to extract El Niño sediments from the Sechura Desert. He also acquired other proxy records for El Niño from beneath the Moche (first millennium A.D.) site of San José de Moro together with **Alice Kelley**, a Cooperating Professor of Anthropology and the Golden Undergraduate Coordinator in Earth and Climate Sciences, and **Cecilia Mauricio**, an iPh.D. student in geoarchaeology. Sandweiss attended two meetings organized by the Society for American Archaeology, one on development banks and cultural patrimony, and the other an Intercontinental Conference that brought together archaeologists from around the Americas. He was a discussant at a symposium on "The Origins of Civilization in Peru" and gave papers on the early settlement of the Andean coastal zone at both the Interamerican Studies Biennial Congress and the First National Congress of Peruvian Archaeology. All of the meetings were in Lima, Peru, and conducted in Spanish.



Associate Professor **Darren Ranco**, Chair of Native American Programs and Coordinator of Native American Research, had a successful year of publishing and grant writing. He recently received a \$25,000 grant from the U.S. Forest Service, in collaboration with Dr. John Daigle from the School of Forest Resources, which focuses on incorporating indigenous perspectives into the Ecosystem Services Framework. He also received an \$80,000 grant from the Sewall Foundation to continue research on basketmakers' adaptation to the Emerald Ash Borer. Dr. Ranco has a new chapter out in the book "Interpreting Native American History". The chapter, which he co-authored with Julia Clark, the Collections Manager of the Abbe Museum, is titled "The Abbe Museum: Seeking a Collaborative Future through Decolonization."

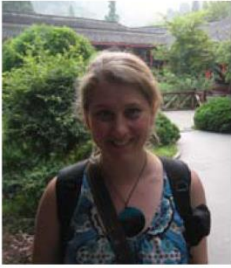


Stephen Hornsby spent the summer putting the finishing touches to two book projects, writing a major grant to support the Canadian-American Center, and getting married and going on honeymoon in Portugal and southern Spain. The last activity was by far the most enjoyable! Of the book projects, Stephen submitted for review a manuscript on twentieth-century American pictorial maps. The research for this book was done while on sabbatical in Fall 2013. He also wrapped up the Historical Atlas of Maine. The atlas was published in November 2014. Stephen is excited to be teaching GEO 275 Geography of Globalization during this fall semester.



Jim Acheson had a very productive year, working on a number of different projects ranging from windpower and sea tenure, to de-industrialization and fisheries management. In 2014 his article with Roy Gardener, "Fishing Failure and Success in the Gulf of Maine: Lobster and Groundfish Management," was published in the journal *Maritime Studies*. Two of his articles, coauthored with Ann Acheson, were accepted by the journals *Current Anthropology* and *Economic Anthropology*, and will be published in 2015. In April of 2014 he presented with Ann Acheson at the Society for Economic Anthropology annual meeting in Austin, Texas. Their talk was titled "Offshore Wind Power Development in Maine: What about the Public Good?"

Faculty News



Cindy Isenhour continues her work on environmental policy as it relates to urban sustainability, the consumption of embodied energy and climate change. This summer Isenhour travelled to China to attend and speak at the Global Research Forum on Sustainable

Consumption. She also conducted follow-up research on Sino-Scandinavian climate cooperation in Beijing – an outgrowth of Swedish environmental policies that direct attention to the emissions associated with the products and services Sweden imports from more carbon-intensive economies. Isenhour is currently working on a special issue of *Economic Anthropology* focused on the theme “Energy & Economy” (with Tom Love) and has co-edited a book (with Melissa Checker and Gary McDonogh) titled “Sustainability in the Global City: Myth & Practice” scheduled to be released by Cambridge University Press in November.



This summer, **Christine Beitel** and incoming Ph.D. student **Sarah Ebel** conducted field research in multiple communities along the coast of Maine to explore perceptions about bycatch and to gain better understanding about fishermen’s previous experiences with collaborative research. The field research represents

the anthropological side of a larger interdisciplinary project, “Collaborative Interdisciplinary Research for Understanding Bycatch in the Maine Lobster Fishery,” supported by the Maine EPSCoR and Sustainability Solutions Initiative (SSI) Emerging Opportunities Planning Grant with Co-PIs Christine Beitel (Anthropology) and Yong Chen (School of Marine Sciences). SSI objectives are to engage stakeholders in formal interactions to collectively identify problems and solutions and build a foundation that enables a knowledge-to-action approach. The team includes **Christine Beitel**, Yong Chen, and graduate students **Sarah Ebel** (AEP) and Jocelyn Runnebaum (SMS). The project has also involved several other collaborators from the University of Maine, the fishing industry, the Department of Marine Resources (DMR), and non-government organizations such as the Penobscot East Resource Center in Stonington. Dr. Beitel also recently received a Rising Tide Grant and will present on her various research projects at the upcoming American Anthropological Association meeting, the Society for Human Ecology meeting, and in the School of Marine Science Seminar Series in December.



Lisa Neuman is giving a paper at the American Anthropological Association meetings in Washington, D.C., in December for a panel titled “Producing an Anthropology of ‘Sustainability’ Across Subfields.” She also has two soon-to-be-published encyclopedia entries:

“Wabanaki Basketry,” an invited entry for the *Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures*, and “The Bureau of Indian Affairs,” an invited entry for the *International Encyclopedia of Anthropology*.

Recent Department Publications

Acheson, J. and R. Gardner (2014) Fishing failure and success in the Gulf of Maine: Lobster and groundfish management. *Maritime Studies* 13:8

Beitel, C. (2014) Adding environment to the collective action problem: Individuals, civil society, and the mangrove-fishery commons in Ecuador. *World Development* 56:93-107.

Carballo, D.M., **P. Roscoe**, and G.M. Feinman (2014) Cooperation and collective action in the cultural evolution of complex societies. *Journal of Archaeological Method and Theory* 21:98-133.

Haglund, W.D. and **M.H. Sorg** (2013) Forensic Anthropology. In *Forensic Science: An Introduction to Scientific and Investigative Techniques*, edited by S. James, J.J. Nordby, and S. Bell. CRC Press, Boca Raton, FL.

Isenhour, C. (2014) Trading Fat for Forests: Palm Oil, Tropical Deforestation and Environmental Governance. *Conservation & Society* 12(3): 257 - 267.

Neuman, L. J. Neptune (2014) Basketry of the Wabanaki Indians. Invited entry for the *Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures*. Helaine Selin, ed. (forthcoming)

Peterson, N. and **C. Isenhour** (2014) Moving Beyond the Legacy of the Rational Actor and Individual Responsibility in Environmental Governance: An Introduction. *Conservation & Society* 12(3): 229-235.

Rademaker, K., G. Hodgins, K. Moore, S. Zarrillo, C. Miller, G. Bromley, **P. Leach, D. Reid**, W. Álvarez, **D. Sandweiss**.(2014) New World Archaeology – Paleoindian settlement of the high-altitude Peruvian Andes. *Science*, 24

Ranco, D. and J. Clark (2014) The Abbe Museum: Seeking a Collaborative Future through Decolonization. In *Interpreting Native American History and Culture at Museums and Historic Sites*, edited by R. Bench, pp. 65-76. Rowman and Littlefield, London.

Roscoe, P. (2014) A changing climate for anthropological and archaeological research? Improving the climate change models. *American Anthropologist* 116:535-548.

Roscoe, P. (2014) Foragers and War in Contact-era New Guinea. In *Violence and Warfare among Hunter-Gatherers*, edited by M.W. Allen and T.L. Jones, pp.223-240. Left Coast Press, Walnut Creek, CA.

Zaro, G. (2014) From terraces to trees: Ancient and historical landscape changes in southern Peru. In *Landesque Capital: The Historical Ecology of Enduring Landscape Modifications*, edited by N. Thomas Håkansson and Mats Widgren, pp. 232-250. Left Coast Press, Walnut Creek, CA.

Zaro, G., K. Nystrom, and D. Keefer (2013) Environmental catastrophe and the archaeological record: Complexities of volcanism, floods, and farming in south coastal Peru, A.D. 1200-1700. *Andean Past* 11:229-258.



The Anthropology Department
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umaine.edu/anthropology/



The Annual Fund is an opportunity for those closest to the University of Maine, our Alumni, Parents, Friends, and Faculty/Staff, to play an important role in the university's present and in its future. Last year, with Department of Anthropology gift funds, we helped students travel abroad to participate in research projects. This hands-on experience is invaluable. Our

main objective is to ensure there are funds available to allow us to respond quickly and appropriately to the areas of greatest need within the Department of Anthropology. Your donations, combined with those of others, make a significant and immediate impact on the quality of the "UMaine Experience" for our students

We invite you to become an active part of this campaign by making your gift on behalf of the Department of Anthropology to the Annual Fund by visiting us online at umaine.edu/give or by calling 207.581.1148 or toll-free at 866.578.2156. Remember, it isn't just about how much you give, but the fact that you give that makes a real difference. For more information about The Annual Fund, contact Christina Caron (christina.b.caron@maine.edu), Director of Annual Giving, at 207.581.1157.

Thank you for your consideration and support.