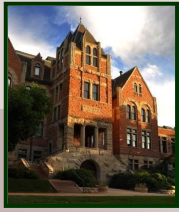


CU ANTHROPOLOGY



UNIVERSITY OF COLORADO BOULDER

WINTER 2015 - 2016

Back issues of our alumni newsletters can be accessed from our website at:

<http://anthropology.colorado.edu/alumni-newsletters>

IN THIS ISSUE
Unearthed: the Mahaffy Cache Exhibit
Fracking Chaco
New Scholarships
Special Awards
Alum and Adjunct News
Publications
Degrees of Winter

UNEARTHED

"Tools of the Camel Hunters" in a Boulder backyard

Men at work beneath the flatirons came across a toolkit from counterparts who were also trying to put food on the table, but in a very different economy. Luckily, they had the presence to ask **Doug Bamforth** to check out these unlikely stone tools....and his jaw dropped clean to the ground. The tools turned out to be 13,000 years old, and their prey extinct! The story has been all over the media ever since.

And now, you can see them for yourself at the CU Museum.

Follow the amazing tale of how the Mahaffy Cache was unearthed in the *Coloradan* magazine:

<http://www.coloradanmagazine.org/2015/09/01/tools-of-the-camel-hunters/>

Learn more about the exhibit at:

<http://cumuseum.colorado.edu/current-exhibits>



FRACKING CHACO

Steve Lekson got a \$104,000 grant from National Park Service to work on Chaco landscapes, in large part in response to threats from energy development (fracking) around Chaco Canyon. Lekson was among archaeological scholars who petitioned the Department of Interior for a master leasing plan in the area surrounding Chaco Culture National Park.

<http://www.washingtontimes.com/news/2015/jun/30/archaeologists-call-on-feds-to-protect-chaco-canyon/>



PUBLIC EVENTS

Please join us, if you can, for our distinguished lecture series.

Latest details at: <http://anthropology.colorado.edu>

Distinguished Archaeologist Rosemary Joyce

University of California at Berkeley

Public Lecture Saturday, February 6, 7:00-9:00pm, Hale 270

Distinguished Cultural Anthropologist Faye V. Harrison

University of Illinois at Urbana-Champaign

Public Lecture Thursday, March 3, 2016 at 4:00pm ,

Room TBA at <http://anthropology.colorado.edu/>

Bolder Theory Archaeology Conference

The ninth North American meeting of the Theoretical Archaeology Group: April 22-24, 2016 in Boulder, Colorado.

<https://anthropology.colorado.edu/tag2016>

Please send us your news.

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In the interest of privacy, we are no longer publishing individual names, though your generosity is honored just the same. Thank you very kindly.

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Alice Brues Undergraduate Award

New Undergraduate Scholarship

We are very pleased to announce that we have created two new funds to benefit our students. The first is the "Excellence in Undergraduate Anthropology Fund", which we opened with a gift of \$1000.00 from one of our distinguished alumnae. We plan to give cash awards of \$200 to two outstanding graduating seniors, one award named for Omer Stewart and one named for Alice Brues. Depending on the funds available each year, we also hope to support undergraduate research when possible.

The second new fund is the "Biological Anthropology Field Workers Fund", which we have opened this with a commitment of \$1500 from Anthropology Department funds. The purpose of this fund is *"...to support field workers who are integral to research efforts performed by faculty in the Department of Anthropology at CU-Boulder. Funds will be used for travel, education enhancement and other expenses associated with bringing individuals to the United States. Strong preference will be given to field workers from rural West Africa."*

If you are thinking of supporting us and want to know exactly what your donation will do, we hope that you will look at these options. There are a few more here: <http://anthropology.colorado.edu/donate/>

Please send us your news.

If you would like to support the academic endeavors of the Department of Anthropology, please see the CU Foundation Giving Guide at:

<http://www.cufund.org/guide-to-giving/information-for/>

or go directly to:

<http://www.cufund.org/giving-opportunities/fund-description/?id=3550> to make a donation.

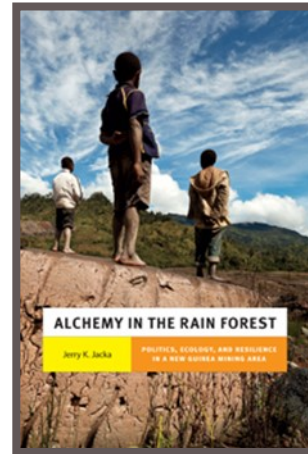
Thank You

NEW TITLES IN ANTHROPOLOGY

Jerry Jacka

***Alchemy in the Rain Forest:
Politics, Ecology, and Resilience in a New Guinea
Mining Area***
from Duke University Press

In *Alchemy in the Rain Forest* Jerry K. Jacka explores how the indigenous population of Papua New Guinea's highlands struggle to create meaningful lives in the midst of extreme social conflict and environmental degradation. Drawing on theories of political ecology, place, and ontology and using ethnographic, environmental, and historical data, Jacka presents a multilayered examination of the impacts large-scale commercial gold mining in the region has had on ecology and social relations. Despite the deadly interclan violence and widespread pollution brought on by mining, the uneven distribution of its financial benefits has led many Porgerans to call for further development. This desire for increased mining, Jacka points out, counters popular portrayals of indigenous people as innate conservationists who defend the environment from international neoliberal development. Jacka's examination of the ways Porgerans search for common ground between capitalist and indigenous ways of knowing and being points to the complexity and interconnectedness of land, indigenous knowledge, and the global economy in Porgera and beyond.



PUBLICATIONS

Professor Joanna Lambert has recently published several papers, including:

- 2015. *Fallback Foods, Optimal Diets, and Nutritional Targets: Primate Responses to Varying Food Availability & Quality* [Annual Review of Anthropology; 44: 493-512]
- 2015. *The Evolution of Stomach Acidity and its Relevance to the Human Microbiome* [PLOS ONE;10(7)]
- 2015. *Macronutrient contributions of insects to redtail monkeys (Cercopithecus ascanius) diet in Uganda* [International Journal of Primatology; 36: 839-854]

Dr. Jacka also has several papers, including:

- 2015. Uneven development in the Papua New Guinea highlands: Mining, corporate social responsibility, and the "life market." *Focaal - Journal of Global and Historical Anthropology* 73:57-69.
- 2015. "Socio-Environmental Disasters and Resilience Approaches." *EnviroSociety*. 30 November. www.envirosociety.org/2015/11/socio-environmental-disasters-and-resilience-approaches
- 2015. "The Impact of Mining Development on Settlement Patterns, Firewood Availability and Forest Structure in Porgera," in *Tropical Forests of Oceania: Anthropological Perspectives*, pp. 95-126. J. Bell, P. West, and C. Filer, eds. Canberra: Australian National University Press.

Joyce, Arthur A. and Sarah B. Barber. 2015.

Ensoulment, Entrapment, and Political Centralization: A Comparative Study of Religion and Politics in Later Formative Oaxaca. *Current Anthropology*, 56(6):819-847.

CU did a press release on this article, which can be found on the CU website:

http://www.colorado.edu/news/features/religion-and-politics-led-social-tension-and-conflict-2000-years-ago?utm_source=Colorado.edu&utm_medium=Religion%20and%20politics%20led%20to%20social%20tension%20and%20conflict%202%2C000%20years%20ago&utm_content=News%20and%20events&utm_campaign=Homepage

Continued on page 5

HAPPY BIRTHDAY, LUCY!

Fifty years after 'Lucy' was unearthed at Hadar, Ethiopia, cavers in South Africa came upon the remains of 15 individuals of a previously unknown hominin. The discovery of *Homo naledi* has hit international headlines with a bang. **Charles Musiba**, our colleague in Anthropology at UC-Denver, was among the first scientists privileged to view the remains of this potential new human ancestor. This is very exciting news with many implications for the evolutionary record. See: http://www.dailycamera.com/news/ci_28790565/cu-scientists-help-with-bones-found-in-south-african-cave.

Rising Star Cave, where the bones were found, is close by the area where **Matt Sponheimer** has been studying another new candidate for the human family tree, *Australopithecus sediba*. Both will be featured in a NOVA segment on the *Dawn of Humanity* **September 16**. Professor Sponheimer is Director of the Nutritional and Isotopic Ecology Lab (NIEL) here at UCB, where several of his graduate student advisees are involved in his research. Two in particular, **Oliver Paine** and **Jennifer Lechlitter**, have worked previously with Lee Berger, principal investigator in these hominid discoveries. Jen and Oliver will be among the scientists that attempt to unravel the mysteries of *naledi* and their place on the human family tree. Sneak previews and airtimes for the PBS broadcasts at <http://www.pbs.org/wgbh/nova/>.

ON SCREEN

Jen Shannon's documentary, *My Cry Gets up to my Throat*, can be viewed via this link on Vimeo:

<https://vimeo.com/118650096>



"My Cry Gets up to My Throat": Reflections on Reverend Case, the Garrison Dam, and the North Dakota Oil Boom through Collaborative Anthropology with the Mandan Hidatsa Arikara Nation

As community members reflect on the role of a prominent missionary and his fight against the US Government program that dammed the Missouri River and flooded their homelands in the 1950s, they see parallels with the oil boom today.

"Countdown to Life" The BBC is featuring the village where **Robin Bernstein** works in Gambia in a production called "Countdown to Life." Here is a link to the clip: <https://www.youtube.com/watch?v=bzX78PDF1sg>. The baby in the video (that is being weighed etc) is a 'HERO-G' (Robin's study acronym) baby, and the midwife is also working on her project! The epigenetics results are from the same populations, although results from Robin's study won't be out for a couple of years.

Willi Lempert "... posted this Native sci-fi film blog post on medium.com after a few months of tinkering, based on my Visual Anthropology Review article last year on the same topic." <https://medium.com/space-anthropology/navajos-on-mars-4c336175d945>. And in the same vein, using Native Sci Fi films as teaching tools for undergrad courses: <http://societyforvisualanthropology.org/2015/08/var-supplements-willi-lempert-on-native-science-fiction-film/>

PHOTO ESSAY

Marnie Jane Thomson (PhD candidate). 2014.

"Mud, Dust, and Marougé: Precarious Construction in a Congolese Refugee Camp," *Architectural Theory Review*, 19:3, 376-392, DOI:10.1080/13264826.2014.1041633. © 2015 Taylor & Francis.

To link to this article: <http://dx.doi.org/10.1080/13264826.2014.1041633>

This photo essay combines text and images to convey how the Congolese who reside in Nyarugusu, a United Nations refugee camp in Tanzania, interact with and interpret camp architecture. To establish the camps as temporary spaces, the Tanzanian government requires that refugees construct their houses with sundried mud brick and thatched roofs so that they can eventually be destroyed without a trace. The red dirt of their homes and the camp environment colours almost every facet of Nyarugusu residents' lives, adding a sense of dirtiness to the camp. The violence built into the camp architecture is not only contained in its eventual destruction, but also in the ways in which it visibly marks the residents' alienation and subordination in Tanzania.

- **“Indigenous Coats Of Arms in Títulos Primordiales and Techialoyan Códices: Nahua Corporate Heraldry in the Lienzos De Chiepetlan, Guerrero, Mexico”** by Gerardo Gutiérrez for *Ancient Mesoamerica* https://www.academia.edu/15127194/INDIGENOUS_COATS_OF_ARMES_IN_T%C3%8DTULOS_PRIMORDIALES_AND_TECHIALOYAN_C%C3%93DICES_NAHUA_CORPORATE HERALDRY_IN_THE_LIENZOS_DE_CHIEPETLAN_GUERRERO_MEXICO
- **“The Sociopolitical Economy of an Ancient Maya Village: Cerén and its Sacbe”**; Payson Sheets, Christine Dixon, David Lentz, Rachel Egan, Alexandria Halmbacher, Venicia Slotten, Rocio Herrera, and Celine Lamb. *Latin American Antiquity* 26(3), 2015. DOI: 10.7183/1045-6635.26.3.1
- **Ben Joffe** (PhD Candidate): **Tantra and Transparency, or Cultural Contradiction and Today’s Tibetan Buddhist Wizard.** *Savage Minds*. October 6, 2015. <http://savageminds.org/2015/10/06/tantra-and-transparency-or-cultural-contradiction-and-todays-tibetan-buddhist-wizard/>. From a series of reflections on Tibetan diaspora, esotericism, and the globalization of Tibetan culture.
- **“Mobile Home Community Closures Preferred Despite Worsening Housing Crisis”**
Allison Formanack (PhD Candidate) wrote this lead story for *Anthropology News*: <http://www.anthropology-news.org/index.php/2015/10/15/mobile-home-community-closures-preferred-despite-worsening-housing-crisis/>
- **Mass hysteria in Le Roy, New York: How brain experts materialized truth and outscienced environmental inquiry**
Donna Goldstein and **Kira Hall** for *American Ethnologist* journal: Volume 42, Issue 4; November 2015. Pages 640–657 <http://onlinelibrary.wiley.com/doi/10.1111/amet.12161/full>.
- 2015. Religion and Political Innovation in Ancient Mesoamerica, **Arthur Joyce** and **Sarah Barber**. In: *Religion and Innovation; Antagonists or Partners?* Donald A. Yerxa, Ed. Bloomsbury Academic NYC. pp. 27-42.
See more at: <http://www.bloomsbury.com/us/religion-and-innovation-9781472591005/#sthash.Vs2JfrEr.dpuf>
- **Kurnick, Sarah**. 2015. The Origins of Extreme Economic Inequality: An Archaeologist's Take on a Contemporary Controversy. *Archaeologies*. DOI 10.1007/s11759-015-9282-7.
- **McGranahan, Carole**. What is a Family?: Refugee DNA and the Possible Truths of Kinship. New essay for The Ethnographic Case series on the Somatosphere website: <http://somatosphere.net/2015/12/what-is-a-family-refugee-dna-and-the-possible-truths-of-kinship.html>
- **Lekson., Steve**. 2015 Chaco Canyon and the U.S. Southwest. In *A World with States, Empires, and Networks; Cambridge History of the World, Vol 4*, ed. Craig Benjamin. Cambridge University Press, Cambridge.

Papers from Professor Catherine Cameron

- 2015 **Chacoan and Post-Chacoan Pottery Production and Circulation Among Great House Communities in the Comb Ridge Locality, Southeast Utah.** Donna Glowacki, Jeffrey R. Ferguson, Winston B. Hurst, and Catherine M. Cameron. *American Antiquity* Volume 80, Number 3, July 2015.
- 2015 **Captives and Slaves in Indigenous North America.** In *Linking the Histories of Slavery in North America and its Borderlands*, edited by Bonnie Martin and James F. Brooks. School for Advanced Research Press, Santa Fe.
- 2015 **The Effects of Warfare and Captive-Taking on Indigenous Mortality in Post-Contact North America.** In *Beyond Germs: Native Depopulation in North America*, edited by Catherine M. Cameron, Paul Kelton, and Alan Swedlund, pp. 174-197. University of Arizona Press, Tucson.
- 2015 **Commodities or Gifts: Captives and Slaves in Non-State Societies.** In *The Archaeology of Slavery: A Comparative Approach to Captivity and Coercion*, edited by Lydia Wilson Marshall, pp. 24-40. Center for Archaeological Investigations, Southern Illinois University, Carbondale.

EXHIBIT

Long before kitten videos, animals inspired art

Erin Baxter curated this exhibit at the CU Museum on “Animals in Antiquity” exploring meanings humans have associated with animals over time.

Read the full story in the CU online A&S Magazine at: <http://artsandsciences.colorado.edu/magazine/2015/10/long-before-kitten-videos-animals-inspired-art/>



FACULTY AND GRAD NEWS

Bert Covert received an NSF grant for \$99,800 titled “Workshops on Research in the Lower Mekong Basin” to convene US researchers who are already engaged in, or interested in developing research partnerships in Lower Mekong Basin (LMB), a region that includes parts of Vietnam, Laos, Cambodia, Thailand, and Myanmar. The objective of this workshop series is to facilitate mechanisms and networking strategies for research partnerships between US scientists and LMB scientists that advance US and global scientific knowledge, improve data sharing and accessibility, and identify best practices.

Terry McCabe has been honored by a panel of College Professors of Distinction with a College Scholar Award, granting him a semester free from classroom teaching to pursue his research in Tanzania.

Jerry Jacka has received a RAPID grant from the National Science Foundation entitled “El Niño Southern Oscillation Events, Resilience, and Migration” to study the impacts of the current El Niño in the Papua New Guinea highlands. He will be there for 3 months examining decision making and resource management in the midst of a food security crisis.

Gerardo Gutiérrez (Department of Anthropology); James Cordova (Department of Art & Art History); Sarah James (Department of Classics) **and Stephen H. Lekson**, (Museum of Natural History) were awarded resources to acquire a handheld XRF Analyzer for studies in Archaeology, Art & Art History and Museum Collections by the Deans of A&S and the Office of the Vice Chancellor of Research. This project is a cooperative effort between the departments. The goal is to acquire a handheld X-ray fluorescent (XRF) analyzer to be dedicated to teaching and research in elemental composition of pigments in Pre-Columbian and Spanish Colonial paintings in Latin America; ancient ceramics in the Mediterranean World; and in the curation of archaeological and ethnographic materials in the museum setting.

Gutiérrez was an invited panelist for the CU Law School entitled “Here Come the Drones!” exploring...*the ways in which drones can enhance our understanding of many processes, change the way war is fought and impinge on our personal privacy*. He’s pictured in the latest edition of *American Archaeology Magazine*, deploying his favorite aerial device near Puebla, Mexico. Page 29 <http://www.archaeologicalconservancy.org/here-come-the-drones/>



Bruker Tracer III-SD pXRF Spectrometer

Indigenous paintings from Guerrero

Willi Lempert (PhD Candidate): At the National Remote Indigenous Media Festival in Lajamanu Community, PAKAM Media received the NITV Spirit Award for a short film that Lempert made with the Kapululangu Women's Law and Culture Centre in Balgo. The \$30,000 award to PAKAM is intended to extend "Marumpu Wangka: Kukatja Hand Talk" into a half-hour prime-time production with the help of mentors from National Indigenous Television. Lempert also recently received the Lois Roth Foundation Fulbright Project Support Award for \$1,750 for his creative collaborative projects with Indigenous Australians. Hats off to Willi!

Jeff Brzezinski and **Jessica Hedgepeth Balkin** (PhD students) were each awarded an NSF Doctoral Dissertation Improvement grant in support of their archaeological field research in Oaxaca, Mexico. Jeff's site is at Cerro de la Virgen. Jessica received her grant for *The Rio Verde Settlement Project (RVSP)* on the coast.

Meryleen Mena was selected for CU's inaugural Jean Bovard Graduate Fellowship in the Social Sciences for scholarly achievement in the areas of international and cross-cultural understanding. Ms. Mena has focused her research on Brazil, particularly looking at the effects of political violence on people who did not support the military regimes of 1964-1985 and the political, economic and social repercussions of this violent legacy on contemporary Brazil.

The NSF posted a news release on **Payson Sheets'** research at El Cerén, El Salvador November 3: http://www.nsf.gov/news/news_summ.jsp?cntn_id=136828

A continuing look at a Maya village in El Salvador--frozen in time by a blanket of volcanic ash from 1,400 years ago--shows the farming families who lived there went about their daily lives with virtually no strong-arming by the elite royalty lording over the valley. Instead, archaeological evidence indicates significant interactions at the village of Ceren took place among families, village elders, craftspeople and specialty maintenance workers. This research comes from a new University of Colorado Boulder (CU-Boulder) study, funded by the National Science Foundation (NSF)...

Also, Britain's *Daily Mail* did a major spread: [http://](http://www.dailymail.co.uk/sciencetech/article-3302791/The-ancient-Salvadoran-village-perfectly-preserved-ash-Study-reveals-1-400-year-old-community-lived.html)

www.dailymail.co.uk/sciencetech/article-3302791/The-ancient-Salvadoran-village-perfectly-preserved-ash-Study-reveals-1-400-year-old-community-lived.html

Or you can read about it in CU-Boulder Today <http://www.colorado.edu/news/features/ancient-salvadoran-village-buried-ash-freezes-daily-life-time> Or the Boulder *Daily Camera* or in any number of foreign language publications.



The Department was honored with complimentary stage floor seats in a sold out crowd for the George Gamow Distinguished Lecture Series. Recognize the guest speaker at (near) left?

<http://artsandsciences.colorado.edu/magazine/2015/11/goodall-draws-largest-ever-crowd-to-gamow-lecture/>

Art Joyce, Payson Sheets, Sarah Kurnick, and Stacy Barber made presentations at the First Annual Rocky Mountain Pre-Columbian Association Research Colloquium in Denver in September. Enjoy the details at <http://www.upcolorado.com/about-us/blog/item/2846-rocky-mountain-pre-columbian-research-colloquium>

Research by **Scott Ortman** and **Steve Lekson** added complexity to recent theories on “**The greatest vanishing act in prehistoric America**” presented in the November 3 edition of *Nature* magazine: <http://www.nature.com/news/the-greatest-vanishing-act-in-prehistoric-america-1.18700>

Congratulations to winners of our 2014-16 Pre-Dissertation Research Grants:

Congratulations to grad students with **winning pre-dissertation research award proposals:**

Dawa Lokyitsang, Emily Hite, Sara Stiehl, Page McClean, and Kelly Graves.

And to students awarded scholarships in recognition of service and/or academic achievement:

Sara Fardi, Jen Leichter, Willi Lempert, Dawa Lokyitsang, Dani Merriman, Pascale Meehan, Kaitlyn Davis, Lindsay Johansson, Alison Hanson, Sara Stiehl, Jen Deats, Anna Schneider, Hannah Selvey, Katie McGuire, Andie Ang, Richard Bender, Oliver Paine, Allison Formanack, Ben Joffe, Meryleen Mena, Jessica D H Balkin, and Rachel Egan.

Scholarships were **made available through funds** recently released **from the** Willena D. Cartwright, the Frances Leon Quintana, and the Haskell Houghtelin Endowments. A little reprieve from the financial challenges of grad school!

Paul Shankman 's Aloha Lecture



Paul Shankman retired after 42 years of teaching for the department, giving a "last lecture" at his retirement party. After passing a criminal background check, Paul will be returning to teach as a lecturer this spring.

The Tibet Himalaya Initiative

The Tibet Himalaya Initiative

The Tibet Himalaya Initiative is an interdisciplinary hub for research, teaching, and public engagement on Tibet and the Himalayas. The initiative seeks to promote research, educational opportunities, cultural exchange, and public understandings about Tibet and the Himalayas as the region undergoes rapid social, cultural, and environmental transformations.

Please visit the THI website for a full list of events or to subscribe to our listserve:

www.colorado.edu/tibethimalayainitiative



The *Savage Minds* workshop and blogosphere

The Private Lives of Anthropologists: A Review of Lily King's *Euphoria*

<http://savageminds.org/2014/09/04/the-private-lives-of-anthropologists-a-review-of-lily-kings-euphoria/>

This is an invited post by **Paul Shankman**...Paul is an anthropologist of Samoa, and author of numerous articles about Margaret Mead and the Mead-Freeman controversy including *The Trashing of Margaret Mead: Anatomy of an Anthropological Controversy* (University of Wisconsin Press, 2009)...

A Case for Agitation: On Affect and Writing

Carla Jones submitted this thoughtful essay for the October *Savage Minds* Writers' Workshop:

<http://savageminds.org/2015/10/26/a-case-for-agitation-on-affect-and-writing/>

Anthropology as Theoretical Storytelling

Carole McGranahan's latest blog for the Writer's Workshop Series on *Savage Minds*:

<http://savageminds.org/2015/10/19/anthropology-as-theoretical-storytelling>

ALUM, ASSOCIATE and ADJUNCT NEWS

Paul Sandberg (Lecturer, PhD '12) has taken a one-year post-doctoral position at the University of Oklahoma's Sam Noble Museum, where Marc Levine (PhD '07) is Curator of Archaeology. He will be conducting a bioarchaeological analysis of a large collection of human remains from the Southern Plains to be repatriated to Native American tribes under NAGPRA. He'll be starting in January.

Craig Lee (PhD '07, now a research associate at INSTAAR) was interviewed about his ice patch archaeology for an article in the *Proceedings of the National Academy of Sciences* magazine entitled "Inner Workings: Climate change frees ancient artifacts". Ice preserves an amazing array of artifacts, but as the ice vanishes, so do clues to the past. See: <http://www.pnas.org/content/112/46/14113.full>. And you might have noticed the very cool cover of the December *American Archaeology* magazine <http://www.archaeologicalconservancy.org/american-archaeology-magazine/>. More in store!

ALUM PUBLICATIONS

Maxine McBrinn (PhD '02) has two exhibition catalogs out this year and a co-edited volume that will be published before the end of the year. The catalogs, which accompany on-going exhibitions here, are published by The Museum of New Mexico Press and available on Amazon.com.

Turquoise, Water, Sky: Meaning and beauty in Southwest Native Arts by Maxine E. McBrinn and Ross E. Altshuler
Oblique Views: Aerial Photography and Southwest Archaeology, with photos by Charles A. Lindbergh and Anne Morrow Lindbergh and by Adriel Heisey, edited by Maxine E. McBrinn

The scholarly volume is:

Late Holocene Research on Foragers and Farmers in the Desert West, edited by Barbara Roth and Maxine E. McBrinn and published by University of Utah Press.

McBrinn is Curator of Archaeology at the Museum of Indian Arts and Culture/Laboratory for Anthropology in Santa Fe.

IN MEMORIAM

Dr. Richard ("Dick") Warner (1943-2015) was an adjunct faculty member in our department for many years. He was well-known in Boulder as a path-breaking psychiatrist and, for 30 years, as medical director of the Mental Health Center of Boulder. To enhance his understanding of mental illness cross-culturally, Dick earned an MA in Anthropology from our department in the 1970s. He also co-taught a seminar in psychological anthropology (with Paul Shankman) and offered internships to our graduate students. Dick's influential book, *Recovery from Schizophrenia* (1985), was based on an anthropological approach; he demonstrated that people with mental illness in other cultures often recovered and led productive lives without hospitalization or stigmatization. Although Dick's approach was viewed as radical at the time, his alternative to hospital-based treatment is now considered mainstream and practiced in a number of countries. For his contributions, Dick has been recognized both locally and internationally. He will be missed.

Link to his obituary in the Boulder *Daily Camera*: <http://www.legacy.com/obituaries/dailycamera/obituary.aspx?n=richard-warner&pid=175750356>

NEW ARRIVALS

Marnie Thomson (PhD candidate) has a new little boy, Sonder, born on Friday, September 11. Dad, Mom, and baby are doing fine!

The Grand Challenge Drone Map Space Pod Exhibit

As part of the initial phase of CU-Boulder's first Grand Challenge, our student-led team is creating a "space pod": an interactive exhibit designed to educate both the public and private sectors on how space-based technologies impact our daily lives, institutions, and society. Our Space Pod focuses on photogrammetry, 3D digital modeling, and their applications to society. We are very excited about this project as it is designed to be approachable by K-12 STEM (Science, Technology, Engineering, and Math) students and teachers, as well as the general public.

"I am passionate about exploring this technology because it will make future archaeological research more efficient and cost effective."— Jeffrey Brzezinski, PhD Student, Archaeology

What is Photogrammetry, you ask? Photogrammetry is the process of making measurements through photographs, often with the assistance of unmanned aerial vehicles (also known as "UAVs" or "drones"). First, a series of photographs is taken of a subject, which can be anything from a broad landscape to a small object or artifact. The photos are then uploaded into a computer program that renders a 3D digital model of the subject by stitching the images together.



Based on the angles and distance at which the photos were captured, the 3D digital model becomes an accurate and highly portable representation of the physical world. As lightweight, high-definition cameras become more cost effective, this technology can continue to expand to a wide variety of fields.

UAV-based photogrammetry and 3D digital modeling have exciting applications for a wide range of fields, including archaeology, urban planning, and disaster relief.

Our Space Pod will consist of three main sections:

An interactive area simulating a drone flight over a model of the ceremonial precinct of Tikal, a Maya archaeological site located in Guatemala. The flight will be simulated using a metal apparatus to suspend a camera and rail system over the model; using the rails will allow the guest to position the camera, and take pictures, over any point of the site.

A computer display that processes the data gathered from the simulated flight and sends the guest the results of their photogrammetry mission. After the guest has completed their "flight," the pictures taken from their session will be sent to a computer program that will render a 3D digital model using their data and e-mail them an interactive PDF file containing the model.

An educational area that will allow guests to touch a decommissioned drone, as well as 3D printed models created using photogrammetric data. In addition to these tactile elements, this section will contain posters delineating various aspects of the exhibit, including applications of the technology and information about Tikal.

To find out more about the project, contact: Rachel.Egan@colorado.edu

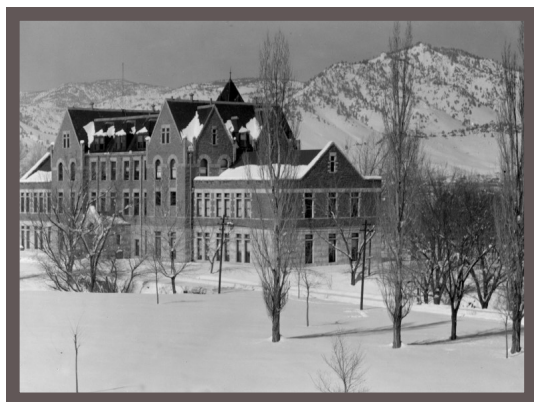
Correction

The Grand Challenge team dealing with drones for archaeological applications is composed of Anthropology doctoral students **Jeff Brzezinski** and **Rachel Egan**, along with undergraduate students **Slaton Spangler**, **Kenneth McCarthy** and **Paul Bisesi**.

The project to design an Unmanned Aerial System is a separate initiative in cooperation with the College of Engineering and Applied Science. These two projects were conflated in our summer edition. Our apologies.

The CU Anthropology alumni newsletter is published periodically from the desktop in Hale by V.S. McBride, Administrative Assistant, with contributions from members of the Department of Anthropology, colleagues and friends.

DEGREES OF WINTER



HOME SWEET HALE
Photo by Casey A. Cass

BACHELOR OF ARTS RECIPIENTS

Emily Ackerman
Catherine Christine Laura Alameddin
Kathleen Luty Alexander
Salpi Anna Bocchierian
Kendall Elizabeth Brown
John Michael Cooper
Kaylin Michelle Dent
Maureen Dee Erwin
Lilly Claire Jones
Azabe Mikuria Kassa
Kellie Kathleen Mackey
Jeffrey Martin
Amanda Rae Pistorius
Ashley Renea Nicole Pollock
Robin Hume Reibold
Christian Bongani Rencken
Keeley Rideout
Sarah Ellen Roazen
Dominic Martin Roman
Eleanor Sanchez
Stephanie Jo Scattergood
Victoria Margaret Smith
Melissa Diane Smithson
Laura Steeby
Megan Nicole Swenson
Kelly Ward
Lily Hope Wilkinson
Drake Diana Williams

DOCTORATE IN ANTHROPOLOGY

Kathryn Jane Putsavage: Doctor of Philosophy
Dissertation title: *Social Transformation in the Mimbres Region of Southwestern New Mexico (A.D. 1150-1450): The Postclassic Periods at the Black Mountain Site (LA 49)*
Faculty Advisor: Steve Lekson

MASTER OF ARTS IN ANTHROPOLOGY

Ann Austin Sibley Master of Arts
Thesis: *The Legacies of Gendered Consumption and Protestant Secularism in the United States*
Faculty Advisor: Carla Jones

Alexandra Michael Cowper
Thesis title: *The Determinants of Health: Nutritional Methods and Quantitative Analysis of Supermarket Produce Quality Variation across Socioeconomic Areas and Season*
Faculty Advisor: Matt Sponheimer

UNDERGRADUATE AWARDS

With Distinction:
Salpi Anna Bocchierian
John Michael Cooper

