UPCOMING MEETINGS

NATIONAL MEETING OF THE GEOLOGICAL SOCIETY OF AMERICA  
27-30 October 2013  
Denver, Colorado, USA
http://community.geosociety.org/2013AnnualMeeting/Home

GSA Archaeological Geology Division Business Meeting & Awards Ceremony: Monday, 28 October 2013: 5:15 PM-7:00 PM, Colorado Convention Center Room 406

Archaeological geology-themed sessions:
31. Archaeological Geology Posters
Sunday, 27 October 2013: 9:00 AM-6:30 PM, Colorado Convention Center Hall D

62. Archaeological Geology Oral Presentations
Sunday, 27 October 2013: 1:00 PM–5:00 PM, Colorado Convention Center Room 304

T13. Celebrating Advances in Archaeological Geology: Past, Present, and Future
GSA Archaeological Geology Division
Laura R. Murphy, Christopher L. Hill, Justin A. Holcomb

T14. Geologic Hazards in Archaeological Contexts
GSA Archaeological Geology Division; GSA Quaternary Geology and Geomorphology Division
Breanyn MaClInnes, Vera Ponomareva, Erik Gjesfjeld

T156. Forensic Geoscience: Advances and Applications
International Union of Geological Sciences; Initiative on Forensic Geology (IFG); Scientific Working Group for Geological Materials (SWGGE0)
Elisa Bergslien

T175. From Desert to Delta: Geologic Research and Applications in Egypt in the First Decade of the 21st Century (Posters)
GSA Archaeological Geology Division; GSA Hydrogeology Division
Barbara J. Tewksbury, Farouk El-Baz, Elhamy Tarabees

T228.Paleoclimate Proxies and Evolving Human Landscapes
GSA Archaeological Geology Division; GSA Quaternary Geology and Geomorphology Division
Justin P. Dodd, Katherine A. Adelsberger

Special Session: Process Geomorphology and the Legacy of Dale F. Ritter: Linkages within the Natural and Human Landscape
GSA Quaternary Geology and Geomorphology Division
R. Craig Kochel, Jerry R. Miller, Dru Germanoski

Special Session: Accomplishments, Challenges, and Frontiers in Soil Geomorphology: In Memory of Donald L. Johnson
GSA Quaternary Geology and Geomorphology Division; GSA Archaeological Geology Division
Randy Schaeetzl, Jennifer Burnham, Daniel R. Muhs

SHORT COURSE IN LUMINESCENCE DATING: THEORY, METHODS AND APPLICATION  
25–29 November 2013  
Aberystwyth University, UK
http://www.aber.ac.uk/en/iges/research-groups/quaternary/luminescence-research-laboratory/alrl-short-course/

SOCIETY FOR HISTORICAL ARCHAEOLOGY CONFERENCE  
8–12 January 2014  
Québec, Canada
http://www.sha2014.com

AGE MODELS, CHRONOLOGIES, & DATABASES WORKSHOP  
13–16 January 2014  
Belfast, Northern Ireland
http://www.neotomadb.org/events/33218

PAGES FOCUS 4 WORKSHOP: TOWARDS A MORE ACCURATE QUANTIFICATION OF HUMAN-ENVIRONMENT INTERACTIONS IN THE PAST  
3–7 February 2014  
University of Leuven, Belgium
http://ees.kuleuven.be/pages/
FALL 2013 GSA AGD NEWSLETTER

CELL SYMPOSIUM: EVOLUTION OF MODERN HUMANS - FROM BONES TO GENOMES
16-18 March 2014
Sitges, Spain

COMPUTER APPLICATIONS & QUANTITATIVE METHODS IN ARCHAEOLOGY CONFERENCE
22-25 April 2014
Paris, France
http://caa2014.sciencesconf.org

ANNUAL MEETING OF THE SOCIETY FOR AMERICAN ARCHAEOLOGY
23-27 April 2014
Austin, Texas, USA

EUROPEAN GEOSCIENCES UNION GENERAL ASSEMBLY
27 April-2 May 2014
Vienna, Austria
http://www.egu2014.eu

Session GM4.2 Geoarchaeology within global environmental change
IAG - International Working Group on Geoarchaeology
Sjoerd Kluiving, Andy Howard, Vanessa Heyvaert

ANNUAL MEETING OF THE CANADIAN ARCHAEOLOGICAL ASSOCIATION
14-18 May 2014
London, Ontario, Canada
http://canadianarchaeology.com/caa/annual-meeting

AWARDS

TÜBINGEN PRIZE FOR INNOVATIVE RESEARCH IN EARLY PREHISTORY & QUATERNARY ECOLOGY

The Department of Early Prehistory and Quaternary Ecology of the Institute for Pre- and Protohistory and Archaeology of the Middle Ages at the Eberhard-Karls-University in Tübingen is pleased to announce the 15th award of the Tübingen Prize for Ice Age Research. This prize is sponsored through a donation of 5,000 Euro from Romina Mineralbrunnen GmbH, Reutlingen, Germany. The purpose of this prize is to foster innovative research among young scholars studying Ice Age archaeology, Quaternary ecology and human evolution.

Materials Required: Anyone interested in applying for the prize should include her or his work, typically a doctoral thesis and publications with a short cover letter and a CV.

For more information or to apply:
Prof. Nicholas Conard
Department of Early Prehistory and Quaternary Ecology
Schloss Hohentübingen
72070 Tübingen GERMANY

Submission deadline: 1 November 2013

THE DOUGLAS C. KELLOGG AWARD FOR GEOARCHEOLOGICAL RESEARCH

The Douglas C. Kellogg Award provides support for dissertation research, with emphasis on the field and/or laboratory aspects of this research, for graduate students in the earth sciences and archaeology. Under the auspices of the SAA's Geoarchaeology Interest Group, family, friends, and close associates of Douglas C. Kellogg formed a memorial in his honor.

Eligibility: Recipients of the Kellogg Award will be students who are (1) actively pursuing the Ph.D. degree in earth sciences or archaeology; (2) applying earth science methods to archaeological research and (3) seeking to engage in a career in geoarchaeology.

Materials Required: The application should consist of a research proposal no more than three pages long that describes the research and its potential contributions to American archaeology, a curriculum vita, and two letters of support, including one from the chair that certifies that the student is conducting the proposed research along with the expected date of completion of the degree. Electronic submissions as pdfs sent to the committee chair are preferred. File names must include the applicants surname or last name and the award (Douglas C. Kellogg Fund for Geoarchaeological Research) must be clearly indicated in the proposal.

For more information contact:
Sarah C. Sherwood (sherwood@sewanee.edu)

Application guidelines:

Submission Deadline: 29 November 2013

Congratulations to our 2013 awardee, Craig Fertelmes!
**GEOARCHAEOLOGY INTEREST GROUP M.A./M.S. RESEARCH AWARD**

The Geoarchaeology Interest Group M.A./M.S. Research Award provides support for thesis research, with emphasis on the field and/or laboratory aspects, for graduate students in the earth sciences and archaeology.

**Eligibility:** Recipients of the Geoarchaeology Interest Group M.A./M.S. Research Award will be students who are (1) actively pursuing the M.A. or M.S. degree in earth sciences or archaeology (please indicate which on application); and (2) applying earth science methods to archaeological research.

**Materials Required:** The application should consist of a research proposal no more than three pages long that describes the research and its potential contributions to American archaeology, a curriculum vita, and two letters of support, including one from the committee chair that certifies that the student is conducting the proposed research along with the expected date of completion of the degree. Electronic submissions as pdfs sent to the committee chair are preferred. File names must include the applicants surname or last name and the award you are applying for must be clearly indicated in the proposal.

**For more information contact:** Sarah C. Sherwood (sherwood@sewanee.edu)

**Application guidelines:**
http://saa.org/AbouttheSociety/Awards/GeoarchaeologyInterestGroupMAMSResearchAward/tabid/1505/Default.aspx

**Submission Deadline:** 29 November 2013

**SOCIETY FOR ARCHAEOLOGICAL SCIENCES STUDENT RESEARCH INTERNATIONAL TRAVEL AWARD**

The Society for Archaeological Sciences is pleased to announce the creation of the SAS Student Research International Travel Award. Up to $1000 is now available to help with costs of international travel for laboratory or field research to students who have been SAS members for more than one consecutive year.

**Eligibility:** Applications will be accepted from undergraduates in their final year of study who are planning to attend graduate school as well as Masters degree and PhD students. Research must be undertaken in a different country than that of their home institution. Funds may not be used to attend at conferences, field schools, classes and/or training courses.

**For more information contact:**
Dr. Michael W. Gregg (greggmie@sas.upenn.edu)

**Application guidelines:**
http://www.archaeological.org/grants/6473

**Submission deadline:** 1 February & 1 September annually

**FRYXELL AWARD FOR INTERDISCIPLINARY RESEARCH**

The Fryxell Award is presented in recognition for interdisciplinary excellence of a scientist who need not be an archaeologist, but whose research has contributed significantly to American archaeology. The award is made possible through the generosity of the family of the late Roald Fryxell, a geologist whose career exemplified the crucial role of multidisciplinary cooperation in archaeology. The award cycles through zoological sciences, botanical sciences, earth sciences, physical sciences, and general interdisciplinary studies. The Fryxell Award for 2015 will be presented in the ‘general interdisciplinary’ category.

**Eligibility:** Any professional archaeologist may submit nominations for this award. Nominees must be SAA members by the time of their nomination.

**Materials Required:** Nominators must submit a letter that describes the nature, scope, and significance of the nominee’s contributions to American archaeology, as well as the nominee’s curriculum vita. Support letters from other scholars are helpful. Four to six are suggested. Please send submissions to the committee chair.

**For further information contact:**
Ben Fitzhugh (fitzhugh@uw.edu)

**Application guidelines:**

**Nomination/Submission Deadline:** 4 February 2014

**RIP RAPP AWARD**

George "Rip" Rapp, Jr. was one of the primary individuals responsible for establishment of the division and generously established a division award fund with the GSA Foundation. The award is given for outstanding contributions to the interdisciplinary field of archaeological geology.
Materials Required: Nominations should include a biographical sketch, a statement of outstanding achievements, and a selected bibliography of the nominee.

For further information contact:
Rolfe D. Mandel (mandel@ku.edu)

Nomination deadline: 15 February annually

Congratulations to our 2013 awardee, Dr. Bill Woods!
Regents Professor at U. Texas, Austin. Dr. Woods’ research centers on abandoned settlements, anthropogenic environmental change, cultural landscapes, and soils and sediments.
Nominated by: William E. Doolittle & Erich W. Zimmermann

CLAUDE ALBRITTON, JR. AWARD

Under the auspices of the Archaeological Geology Division, family, friends and close associates of Claude C. Albritton, Jr., have formed a memorial fund in his honor at the GSA Foundation.

Eligibility: Recipients of the award are students who have (1) an interest in achieving a Master's or Ph.D. degree in earth sciences or archaeology; (2) an interest in applying earth science methods to archaeological research; and (3) an interest in a career in teaching and academic research.

For more information contact:
Rolfe D. Mandel (mandel@ku.edu)

Application guidelines:
http://www.geosociety.org/arch/studentawards.html

Submission deadline: 5 March annually

Funding & Contributions: Initially, the fund was set up with a gift of several thousand dollars. Members of the division, other GSA members, and those who know Claude are being asked to consider contributing to this fund. To contribute to the Albritton Fund, send your gift to the GSA Foundation, indicating that the gift should go toward this award.

Congratulations to our 2013 awardee, Andrea Maniery!

R.E. TAYLOR STUDENT POSTER AWARD

This prestigious award acknowledges innovative student contributions to archaeological research through the use of scientific methods, and has enhanced the careers of prominent young scholars and professionals for more than a decade. The award is named in honor of Professor Emeritus R. Ervin Taylor of the University of California at Riverside for his outstanding contributions in the development and application of radiocarbon dating in archaeological research and his dedication to the founding of the Society for Archaeological Sciences; his leading role as President (1980) and General Secretary (1981-2002) of the Society; and his committed service as editor of the SAS Bulletin.

Eligibility: Entries will be judged on the significance of the archaeological problem, appropriateness of the methods used, soundness of conclusions, quality of the poster display, and oral presentation of the poster by the student, who should be the first author in order to be considered.

For more information contact:
Destiny Crider (destiny.crider@asu.edu)

Application guidelines:
http://www.socarchsci.org/awards.html

Submission deadline: 1 April 2014

RICHARD HAY STUDENT PAPER/POSTER AWARD

Richard Hay was a long-standing member of the Archaeological Geology Division and had a long and distinguished career in sedimentary geology, mineralogy, and archaeological geology. He is particularly well known for his work on the Olduvai Gorge and Laetoli hominid-bearing sites and was awarded the Division's Rip Rapp award in 2000. The grant is competitive and will be awarded based on the evaluation of the scientific merit of the research topic and the clarity of an expanded abstract for the paper or poster prepared by a student for presentation in the Division's technical session at the meeting.

Eligibility: The Richard Hay Student Paper/Poster Award is a travel grant awarded to a student presenting a paper or poster at the GSA's annual meeting.

For more information contact:
Rolfe D. Mandel (mandel@ku.edu)

Application guidelines:
http://www.geosociety.org/arch/studentawards.html

Submission deadline: 20 September annually

Funding & Contributions: To contribute to the Hay Award, send your gift to the GSA Foundation, designating the gift for the Archaeological Geology Division Fund.
GEOARCHAEOLOGY: AN INTERNATIONAL JOURNAL

Geoarchaeology is an interdisciplinary journal published six times per year that presents the results of original research at the methodological and theoretical interface between archaeology and the geosciences. It remains the premier peer-reviewed publication emphasizing our discipline. Virtual issues are currently accessible on-line at the journal’s website - all virtual issue articles are free for downloading.

You are invited to submit your research to Geoarchaeology. There are three submission categories: research articles, short contributions, and review papers. Manuscripts should examine the interrelationship between archaeology and the various disciplines within Quaternary science and the Earth Sciences more generally, including, for example: geology, geography, geomorphology, pedology, climatology, oceanography, geochemistry, geochronology, and geophysics. We also welcome papers that deal with the biological record of past human activity through the analysis of faunal and botanical remains and palaeoecological reconstructions that shed light on past human-environment interactions.

The journal also welcomes manuscripts concerning the examination and geological context of human fossil remains as well as papers that employ analytical techniques to advance understanding of the composition and origin or material culture such as, for example, ceramics, metals, lithics, building stones, plasters, and cements. Manuscripts reporting on research conducted in Africa, Australia, and South America are especially encouraged.

Manuscript submission and review is fully electronic and processed through Manuscript Central, a web-based program for managing documents in the peer-review process.


Co-editors: Gary Huckleberry & Jamie C. Woodward

For more information contact:
Gary Huckleberry (ghuck@email.arizona.edu)

FEATURED RESEARCH

ANGEL MOUNDS REU: MULTIDISCIPLINARY TRAINING FOR STUDENTS IN ENVIRONMENTAL & SOCIAL SCIENCES THROUGH ARCHAEOLOGICAL RESEARCH

Jeremy J. Wilson (Anthropology, Indiana University - Purdue University Indianapolis - IUPUI) & G. William Monaghan (Indiana University-Bloomington)

A new NSF Research Experience for Undergraduates (REU) grant (#1262530) was recently awarded to Jeremy J. Wilson (Anthropology, Indiana University-Purdue University Indianapolis - IUPUI) and G. William Monaghan (Indiana University-Bloomington) to establish an REU site at Angel Mounds, a 50 acre Mississippian period (AD 1050-1450) archaeological site that includes a series of palisades, several mounds, and over 350 structures. The Angel REU was established to foster multidisciplinary field and laboratory training and research experiences for undergraduate students through archaeological research. The training at the Angel REU will nurture a new generation of scholars that can work across disciplinary boundaries and effectively communicate with colleagues in the natural and social sciences and understand how various specialties can work together to answer common research questions. Importantly, the funding from the NSF enables student recruitment from around the country traditionally underrepresented in Archaeology, the Earth Sciences, and other STEM disciplines.

Each year, 10 undergraduate students will be selected for the program, about half from natural sciences and half from the social sciences and humanities, to conduct original research that adds to ongoing projects related to the built (human) and natural landscapes at Angel Mounds and across the lower Midwest. The REU is organized around yearly topics that are part of our ongoing research in the region, anthropogenic transformation of the landscape (2013), environmental change and the built landscape (2014), and warfare and
Over the program’s three years, we will focus on how regional and local climate and environmental variation affected the development and organization of human settlement at Angel Mounds and across the Midwest and, in turn, how human landscape modifications feed back into landscapes and altered the environment. Broxton Bird and Gabe Filippelli (Earth Sciences, IUPUI) will join Wilson and Monaghan in 2014 during the extraction and analysis of sediment cores from lakes across the Midwest.

Research undertaken during 2013 was a great success. We recruited excellent students from across the country. These students came from large public research universities, smaller regional campuses, and a variety of liberal arts colleges. Additionally, 40% of the students were from underrepresented groups and 70% were from non-STEM institutions. We collected a variety of new and exciting data about the built landscape at Angel Mounds, including evidence of Mid-continental seismic activity, earthwork construction methods and materials, and chronologies for the largest earthworks at the site (Mounds F and A). Detailed cross-sections and reconstructions of the mound interiors were created using geophysics, small-diameter cores, micromorphology, geochemistry, and traditional archaeological excavations.

The 2013 investigations will be featured in a new PBS program entitled America: From the Ground Up, which is set to premiere in the coming months. A student-run blog documenting these investigations allowed interested friends, family and colleagues to receive daily updates on the research. The REU fellows will be presenting the results of their research projects at the 2013 Midwest Archaeological Conference in Columbus, OH. These results will also be presented at the Southeastern Archaeological Conference (Tampa) and Society of American Archaeology meetings (Austin). In addition, two posters (31-6 and 31-8) focusing on the Angel REU will be shown during the Archaeological Geology session at the GSA Denver meeting on Sunday, October 27. We will be at the booths #6 and #8 from 9:00-11:00 am and 5:00-6:30 pm. We would be happy to discuss the REU with you or your students then or anytime during the meeting.

Please visit https://www.indiana.edu/~angelreu/cms/ for additional information and the application for the 2014 Angel Mounds REU program.