SEE YOU IN PHILADELPHIA!
GSA ANNUAL MEETING
Philadelphia, PA
October 22-25, 2006

The 2006 GSA Annual Meeting will be held at the Pennsylvania Convention Center, with some activities at the co-headquarters hotels, Hilton Salt Lake City Center and the Marriott Salt Lake City Downtown.

Please come to the Division Business Meeting and Awards Reception, Monday, October 23 from 5:30-7:30 PM in the Pennsylvania Convention Center 251C. Awards will be presented, future meetings discussed, and a good time will be had by all (cash bar provided). We especially encourage students to attend; it’s a great way to meet colleagues!

Also, while wandering the Exhibit Hall, make sure to stop in at the Archaeological Geology Division Booth, where, in return for a small suggested donation to the student travel fund, you may obtain a belt pack emblazoned with the Division’s logo (see below). We will accept cash or check donations only (no credit cards). Display your Division affiliation with pride, and help foster student attendance at the Annual Meeting, all with one small donation!

DIVISION SPONSORED SESSIONS

Sunday, 22 October 2006
8:00 AM-12:00 PM, PCC 109 AB High Resolution Quaternary Records from Cave Environments. Bonnie A.B. Blackwell and Donald McFarlane, Presiding
1:30 PM-5:30 PM, PCC Exhibit Hall C Marine Geoarchaeology: New Exploration of Sites from Coast to Shelf (Posters)

Monday, 23 October 2006
8:00 AM-12:00 PM, PCC Exhibit Hall C. Archaeological Geology (Posters)
PCC 109 AB. Archaeological and Geoarchaeological Records of Natural and Human—Induced Disasters. Tina M. Niemi, Suzanne Leroy and L. Mark Raab, Presiding
1:30 PM-5:30 PM, PCC 109 AB Archaeological Geology. Sarah C. Sherwood and C. Russel Stafford, Presiding

Tuesday, 24 October 2006
8:00 AM-12:00 PM, PCC 110 AB Reconstructing Landscape Contexts of Human Occupation Surrounding Wetlands. Catherine H. Yansa and Andrea K.L. Freeman, Presiding
1:30 PM-5:30 PM, PCC 111 AB Geoarchaeology of Prehistoric Earthworks. Rolfe D. Mandel and E. Arthur Bettis, Presiding

Wednesday, 25 October 2006
8:00 AM-12:00 PM, PCC 109 AB Alluvial Geoarchaeology of Large River Valleys I. David L. Cremeens and John P. Hart, Presiding
1:30 PM-5:30 PM, PCC 109 AB Alluvial Geoarchaeology of Large River Valleys II. David L. Cremeens and John P. Hart, Presiding

ARCHAEOLOGICAL GEOLOGY DIVISION MANAGEMENT BOARD, 2005-2007

Chair
Vice-Chair
A Message from the AGD Chair
October, 2006

Happy Autumn! By the time you read this, the Philadelphia meetings will be underway, and members will be contemplating the 2007 GSA Annual Meeting in Denver (or possibly a regional Section Meeting in the spring). I want to remind folks that deadlines for Topical Sessions and Pardee Keynote Symposia at the upcoming Denver meetings are due by midnight, January 9, 2007. Topical Sessions provide an opportunity for you to make sure your area of research is well represented at GSA. If you feel that others are conducting similar research and would appreciate an opportunity to meet and exchange ideas, then this is the forum for doing it. If you feel your research is on the leading edge within our discipline or area of public policy and would appeal to a broad geoscience community, then you may want to submit a proposal for a Pardee Keynote Symposium where all speakers are invited and the convener is provided with a budget of $2000. The AGD is underrepresented if not absent in the Pardee Keynote Symposia, and it would be nice to have some representation in this prestigious forum.

There is one other bit of news to report. In an effort to increase interest and participation by students, GSA Council recently combined Student Associate and Student Member categories. This action gives undergraduate student members voting rights in GSA elections. Council also approved to grant voting rights to our Affiliate members in an effort to expand participation within the organization. We will soon amend the AGD Bylaws to reflect these recent changes.

And speaking of elections…..the AGD biannual election for officers is coming up this spring. Be sure to vote and make your voice heard. If you feel like you would become more involved in the activities of the AGD by serving on a committee, contact one of the officers (for a full list of current officers and committee members, go to http://rock.geosociety.org/arch/).

Finally, don’t be shy about submitting a short blurb about your recent geoarchaeological research activities. I know that there is a lot of exciting work being done by our members. Please, spread the word by dropping a quick paragraph to our newsletter editor, Jen Smith, at jensmith@wustl.edu.

All for now.
Gary Huckleberry, Chair

FOR MORE INFORMATION
VISIT THE DIVISION WEBSITE
http://rock.geosociety.org/arch

CLAUDE ALBRITTON FUND FOR ARCHAEOLOGICAL GEOLOGY

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 (see item in March, 1991 Newsletter). Initially, the fund was set up with a gift of several thousand dollars.

Members of the GSA Archaeological Geology Division, GSA members, and those who knew Claude Albritton are being asked to consider contributing to this fund. The Albritton Fund will provide scholarships and fellowships for graduate students in the earth sciences and archaeology.

Recipients of these awards will be students who have (1) an interest in achieving a M.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. Awards will be given in support of thesis or dissertation research, with emphasis on the field and/or laboratory parts of this research.


Contact: More information, including an online application form, may be found at http://rock.geosociety.org/arch/. For further inquiries, contact Awards Committee Chair Loren Davis at loren.davis@oregonstate.edu. To contribute to the Albritton Fund, send your gift to the GSA Foundation, designating the gift for this fund.

STUDENT TRAVEL AWARD

The Archaeological Geology Division announces a $650 travel grant for a student to attend the GSA's annual meeting. 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 prepared by a student for presentation in the Division's technical session at the meeting.
The deadline for receipt of the application is **September 20, 2007**. Contact Awards Committee Chair Loren Davis at loren.davis@oregonstate.edu. For additional details, please consult the Division website at rock.geosociety.org/arch.

**DOUGLAS C. KELLOGG FUND FOR GEOARCHAEOLOGICAL RESEARCH**

The Douglass C. Kellogg Award provides support for thesis or dissertation research, with emphasis on the field and/or laboratory aspects of this research, for graduate students in the earth sciences and archaeology. Recipients of the Kellogg Award will be students who have

1. an interest in achieving the M.S., M.A., 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 geoarchaeology.

Under the auspices of the SAA's Geoarchaeology Interest Group, family, friends, and close associates of Douglass C. Kellogg formed a memorial in his honor. The interest from money donated to the Douglass C. Kellogg fund is used for the annual award. Initially the amount to be awarded on an annual basis was $500. The amount of the award given to the recipient will increase as the fund grows and the amount of the annual interest increases. The 2007 Award will be presented at the 72nd Annual Meeting of the SAA.

**Requirements**

- A one page letter that briefly explaining the individual's interest and how he or she qualifies for the award
- Curriculum vitae
- Five (5) copies of a 3 to 4 page, double-spaced description of the thesis or dissertation research that clearly documents the geoarchaeological orientation and significance of the research. One illustration may be included with the proposal.
- A letter of recommendation from the thesis or dissertation supervisor that emphasizes the student's ability and potential as a geoarchaeologist.

**Deadline:** December 1, 2006

**Contact:** Dr. Christopher L. Hill, Department of Anthropology, Boise State University, 1910 University Drive, Boise, ID 83725-1950 E-mail: chill2@boisestate.edu

**OTHER FUNDING OPPORTUNITIES FOR GRADUATE RESEARCH**

*Note* on the Student News page of the updated Division website (rock.geosociety.org/arch) there is a link to a webpage maintained by Ellery Frahm containing additional information on funding sources*

**Geochron Laboratories**: Each year Geochron Laboratories awards research grants to graduate students enrolled in academic institutions around the world. The awards consist of analytical services performed free of charge in one of two categories: **14C age determinations**: up to eight (8) conventional 14C age determinations, and **Stable Isotope Ratio Analyses**: up to $1,500.00 in stable isotope analyses, of any variety or combination (except hydrogen and oxygen on silicates), based on Geochron Lab’s published prices.

**Deadline**: Application deadlines in past years have generally been late spring/early summer (May-June), but early applications are suggested in order to assist with prompt evaluation and notification of winners.

**Contact**: For more information and application procedures, see <www.geochronlabs.com/research.html>, or phone: (617) 876-3691, fax: (617) 661-0148, email: <staff@geochronlabs.com> or write 711 Concord Ave., Cambridge, MA 02138.

**DIVISION AWARD NOMINEES SOLICITED**

The Archaeological Geology Division requests nominations for its annual Rip Rapp Archaeological Geology Award. The award is given for outstanding contributions to the interdisciplinary field of archaeological geology. Nominations should include a biographical sketch, a statement of outstanding achievements, and a selected bibliography of the nominee.

To make nominations or for more information, contact Awards Committee Chair Loren Davis at loren.davis@oregonstate.edu. For additional details, please consult the Division website at rock.geosociety.org/arch.

The deadline for receipt of nominations is **February 15, 2007**.

**MEMORIAL**

**Richard L. Hay**

(Rip Rapp Archaeological Geology Award in 2000)

Dr. Richard L. Hay, died from pulmonary fibrosis on Friday, February 10, 2006 at his home in Tucson, Arizona at the age of 79. Dr. Hay had a long and distinguished career in sedimentary geology, mineralogy, and archaeological geology. He is best known for providing the geological context of two of the most important hominid-bearing sites known in East Africa (Olduvai Gorge and Laetoli). Dick Hay's 1976 monograph, *Geology of the Olduvai Gorge*, still stands as a model for archaeological geology research. He received the Rip Rapp Award Archaeological Geology in 2000 and in 2001 he was the recipient of one of the most distinguished awards in the field of human origins, the
Leakey Prize. He also made fundamental contributions to the understanding of important minerals such as clays and zeolites.

Born in Goshen, Indiana on April 29, 1929, Dr. Hay obtained both his bachelor’s and master’s degrees from Northwestern University in 1946 and 1948 respectively, and earned his Ph.D. from Princeton in 1952. In 1957, Dr. Hay became assistant professor of geology and geophysics at the University of California, Berkeley, where he eventually obtained the rank of full professor. In 1983, Dr. Hay moved to the University of Illinois at Urbana-Champaign, as the first R. E. Grim Professor in the Department of Geology. He and his wife Lynn moved to Tucson in 1999, after his retirement from the University of Illinois, where he continued geological research as an adjunct professor at the University of Arizona. A dedicated teacher and mentor, he guided many students into distinguished careers. Dr. Hay also had a lasting impact on his peers as well, and was uniformly known by his students into distinguished careers. Dr. Hay also had a lasting impact on his peers as well, and was uniformly known by his colleagues as a modest, unassuming man with a ready smile and gentle nature, who was always open to discussion.

Gail Ashley, Geological Sciences, Rutgers University, New Brunswick, NJ

NEWS FROM THE MEMBERSHIP

This summer Andrea Freeman (University of Calgary) initiated SSHRC funded research aimed at documenting landscape evolution and human occupation along the South Saskatchewan and its tributaries during the early and middle parts of the Holocene. Doctoral students from the University of Calgary, Calla McNamee and Howard Cyr, as well as Jon Hall (Simon Fraser University) participated in the project and collected data for their theses. Geoprobe coring was conducted at several archaeological sites in central Saskatchewan exhibiting evidence for late Paleoindian occupations. Research scheduled for summer 2007 will document early and middle Holocene landforms for tributaries of the South Saskatchewan in Alberta.

Don Thieme has a new field project on the Ocmulgee River in the Georgia Coastal Plain. The project was started this summer by the Fernbank Museum of Natural History under the direction of Dennis Blanton. Initially, Dennis was excavating two sites with Spanish contact material, looking to associate them with the frontier Mission Santa Isabel de Utinahuca. Don described his soil profiles and ran transects with a hand auger across the sites and several peat-filled depressions and former oxbow lakes. Toward the end of the field season they started to describe the bank of the Ocmulgee River at Coffee Bluff, which is on the property that contains the sites. That riverbank represents a nearly complete section through the Holocene back to the late Pleistocene, and we now have a radiocarbon date of 38690 +/- 420 BP for an organic mat beneath braided stream facies crossbedded sands. Dennis and Don will be returning to the field in November to evaluate the potential to obtain additional paleoenvironmental and archaeological information from these deposits spanning the Pleistocene-Holocene boundary in the Georgia Coastal Plain.

Gary Huckleberry collaborated with colleagues on two research projects this past summer. One is an investigation of shell midden sites along the coast of the Gulf of California near Puerto Penasco in Sonora, Mexico. The chronology on these extensive sites is poorly known and limited to 14C dates of shell material collected at the surface. The current investigation is documenting buried shell middens with associated charcoal. Shell and charcoal samples will be submitted for stable isotope analysis and AMS 14C dating, respectively. The research team is of Michael Foster (archaeology), Douglas Mitchell (archaeology), David Dettman (isotope geochemistry) and Karen Adams (ethnobotany). The other summer project was an NSF-sponsored investigation of rockshelters and caves in the Bighorn Mountains of Wyoming. The focus of this research is to try and define rockshelter formation processes through stratigraphic and chronometric analyses in an effort to better understand Paleoindian use of these sites. The project is headed by Robert Kelly (University of Wyoming) with assistance by Judson Finley (doctoral candidate, Washington State University).

With support from the US Army and US Bureau of Reclamation, Brett Lenz has been studying the geoarchaeological setting of late Pleistocene archaeological sites in the uplands of the Columbia Plateau Scabland. He’s been looking at the effects of recharge by the Columbia Basin Irrigation project on archaeological site discovery as well as the paleoenvironmental record of the late Pleistocene. A system of Upper Pleistocene marshes has been recharged by the irrigation runoff, effectively recreating the late Pleistocene landscape. A number of Clovis and other early stemmed point sites lie adjacent to these waterways—they appear to be very early, hovering around the explosions of Mt. St. Helens and Glacier Peak, which are dated between 11.6-11.2KBP. As a part of this project he’s going back into the Lind Coulee archaeological collection to re-date bone artifacts from the earliest levels. It appears that the cultural sequence at Lind Coulee may be significantly older than is reported. Bone artifacts are reported in the 1970s excavation as underlying Mt. St. Helens Set J tephra and in association with a bison scapula that was dated to 12,400 BP. At the time of the 1970s excavation, Mt. St. Helens Set J tephra was assumed to be deposited at approximately 8.6 KBP. Recent research has shown that the actual age of the eruption is close to 11.6KBP. The new dates on bone artifacts should help us understand the actual antiquity of the site and together with
the data from the new Scabland sites, help redefine our understanding of the initial colonization of the Columbia Plateau.

Reid Ferring is in the Republic of Georgia for the Fall semester as a Fulbright Scholar-Researcher. He's teaching a class (the first) in Geoarchaeology at the State University in Tbilisi, with about 45 enthusiastic students. Research activities include study of new sections and analysis of sediments from Dmanisi (1.8 Ma archaeological site with numerous hominin fossils). The Georgian-Spanish-American team of which he is a member recently completed a field campaign in the Miocene sections in eastern Georgia, with geologic mapping and paleomagnetic sampling in faulted/folded terrane, and excavations recovering rich vertebrate faunas associated with previously recovered late Miocene Dryopithecines. Soon he will participate in excavations of a Neolithic tell in southern Georgia.

Beth Miksa has started a ceramic petrographic analysis business, Southwest Petrographic Specialists, Inc., based in Tucson, Arizona. For more information, www.swpetrographic.com/

SOCIETY FOR ARCHAEOLOGICAL SCIENCES

The Society for Archaeological Sciences (S.A.S.) was founded to establish a forum for communication among scholars applying methods from the physical sciences to archaeology and to aid the broader archaeological community in assessing the potentials and problems of those methods. Base membership (including subscription to the SAS Bulletin) is $20. For membership inquiries, please contact Rob Sternberg, Department of Earth and Environment, Franklin & Marshall College, Lancaster, PA 17604-3003 USA. Phone: (717) 291-4134 Fax: (717) 291-4186 or email: <Rob.Sternberg@FandM.edu>

GEOARCHAEOLOGY: AN INTERNATIONAL JOURNAL

Geoarchaeology: An International Journal is now on the ISI Web of Science Database. The journal now is being edited by Rolfe Mandel and Paul Goldberg.

Geoarchaeology is published 8 times per year and has a broad, interdisciplinary scope dealing with the understanding of archaeological sites, their natural context, and the material artifacts recovered from them. Manuscripts may include subjects from disciplines within the earth-sciences (e.g., geography, pedology, climatology, geology, oceanography, geochemistry, geochronology, and geophysics) or those from biological sciences. The editors are particularly interested in manuscripts that bear upon site-formation processes. Electronic submission of manuscripts is available at mc.manuscriptcentral.com/gea

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UPCOMING MEETINGS

Nov. 15-18, 2006 Washington, DC The 2006 American Schools of Oriental Research Annual Meeting will include sessions of interest to geoarchaeologists, including Artifacts: The Inside Story, a session discussing instances in which the analysis of Near Eastern artifacts by means of physical or chemical techniques has led to a new or reinterpretation of the archaeological record. Paper topics may include materials characterization, raw material acquisition, workshop activity, manufacturing techniques, ancient technology, and product distribution. For additional information pleas visit: http://www.asor.org/

Nov. 27-Dec. 2, 2006 Tuscany, Italy XVII International School in Archaeology "Exploring Archaeological Landscapes" The topic of the school will be the presentation and discussion of the most recent remote sensing technologies as applied to the archaeological research. For an overview please see: http://www.space2place.org/XVIIsummer_introduction.html

Mar. 9-10, 2007 York University, Toronto, Ontario Disease in Global Environmental History Concerns about disease and public health have been mounting in recent years in scholarship and in popular culture, especially in the guise of public health scares. While recent health scares and scandals are compelling to the general public and researchers alike, they are not new, but have been affecting human societies since the beginning of time. Historians can help activists, researchers and the public understand disease in broad chronological, environmental and global perspective. The three themes of this workshop are: "Epidemic and Endemic Disease in Historical Context: Preconditions and Consequences", "On the Move: Pathogens, Vectors, and Peoples", and "New Diseases in the Globalizing World". Submissions for papers to fit into any of the three themes are due November 15, 2006. Please send one-page proposals and one-page vitae to Carolyn Podruhny, History Department, York University, 2140 Vari Hall, 4700 Keele Street, Toronto, ON M3J 1P3 or send them by email to carolynp@yorku.ca.

Mar. 14-18, 2007 Postojna, Slovenia Time in Karst The Karst Research Institute ZRC SAZU from Slovenia, and Karst Waters Institute from the United States are organizing a symposium on “Time in Karst". Special opportunity is given to early-stage researchers (with less than 10 years of working experiences since gaining the diploma) in that they can apply for the Marie Curie Grant to cover the living expenses, travel costs and registration fee. The deadline for the application for the grant is November 1, 2006. More details are available at: http://odmev.zrc-sazu.si/instituti/izrk/index.php?q=en/node/3

Mar. 23-24, 2007 Carbondale, Illinois 24th annual Visiting Scholar Conference, “The Archaeology of Anthropogenic Environments” The conference will consider the archaeological evidence for human manipulation of the environment, both as a context for modern environments, and as a source of data about past societies. Please submit a title and abstract of 200-250 words by November 27. Abstracts will be reviewed by the visiting scholar committee, and authors will be notified of acceptance in January. Selected papers from the conference will be published as a peer-reviewed volume by the Center for Archaeological Investigations, in its Occasional Papers series. For further information, contact Rebecca Dean, (618) 453-5032, rdean@siu.edu, or see www.siu.edu/~cai/vsconference2007.html

Apr. 11-13, 2007 Umgeni Valley Nature Reserve, Howick, KwaZulu-Natal, South Africa XVII Biennial Congress of the Southern African Society for Quaternary Research “Understanding environmental...
change: The contribution of Quaternary hindsight to future sustainability. The scientific programme will be compiled on the basis of responses to the congress circulars. The following session themes have been suggested: Archaeological and palaeontological heritage, Geohazards and land degradation, Marine environments and sea-level change, Climate change, and Changes in terrestrial environments and landscape processes. Contributions or queries can be addressed to: SASQUA 2007, c/o Council for Geoscience, P.O. Box 900, Pietermaritzburg, 3200. E-mail: Dr Greg Botha (gabotha@mweb.co.za) or Rebekah Grow (rgrow@mweb.co.za); Tel 033-3456265; Fax 033-3949342.

Apr. 15-20, 2007 Vienna, Austria European Geosciences Union General Assembly 2007. There are a number of sessions of interest at the forthcoming EGU meeting in Vienna, including: Quantifying and modelling human and climate controlled sediment dynamics, Assessment of climate events in lake sediments, Mediterranean Climate Variability, East African tectonics, climate and evolution, IGCP 521 Black Sea-Mediterranean Corridor during last 30 ky: Sea level change and human adaptation, Timing and controlling factors of soil carbonate redistribution: the calibration of a high resolution paleoclimate proxy, and Geoarchaeology and Micromorphology: reconstruction of human impact and environmental changes. The deadline for online abstract submission is 15th January 2007. More information can be found on: http://meetings.copernicus.org/egu2007/

June 4-8, 2007 Ontario, Canada The Canadian Quaternary Association conference in 2007 will provide an invigorating forum for those interested in Quaternary geoscience, including geologists, geomorphologists, physical geographers, biologists, botanists, oceanographers, archaeologists, environmentalists, and others. For up-to-date information, please visit www.canquaottawa2007.ca

June 11-16, 2007 São Paulo, Brazil 1st Latin American Symposium on Physical and Chemical Methods in Archaeology, Art and Cultural Heritage Conservation. This symposium is the natural consequence of ten events about physical and chemical methods applied to archaeometry, conservation, and correlated issues, which spanned from 1996 to 2006. Three of them were biennial national congresses, beginning in 2002 (www.patrimonio-cultural.org). The decision to organize this symposium was made in June, 2005 during the final assembly of a workshop dedicated to atomic-nuclear methods for non-destructive analysis in art, archaeology and conservation (www.sbf1.sbfisica.org.br/eventos/extras/lasmac). Please address all inquiries to: lasmac@sbfisica.org.br

July 28-August 3, 2007 Cairns, Australia. Twenty-Seventh INQUA Congress. Preparations are underway for the twenty-seventh INQUA congress in 2007. The Australasian Quaternary Association is sponsoring the meeting. For additional information, please visit: <http://www.aqua.org.au/AQUA/INQUA2007.html> or email INQUA2007@aqua.org.au