A Message from the AGD Chair
April 2006

Greetings from your new Chair. I am honored to serve as the lead representative of the Archaeological Geology Division (AGD) for the next two years. I have been involved in archaeological geology since 1983, working mainly in the western U.S. and parts of Latin America, and I look forward to serving our organization and (hopefully) meeting you.

As stated in our division’s bylaws, the purpose of the AGD is “…to provide a suitable forum for presentation of papers on archaeological geology and discussion of related problems, to stimulate research and teaching in archaeological geology, and to act as an organized group in promoting these objectives within the framework of the Geological Society of America.” We are one of 15 divisions within the Geological Society of America (GSA), with approximately 460 active members. GSA divisions provide much of the intellectual energy for the organization by promoting innovative earth science through technical programs, field trips, and related activities. My goal as chair is to work with fellow officers and members to maintain the vitality of the division and ensure that it carries out these objectives.

An indicator of our division’s well being is the number of technical programs we sponsor at the GSA Annual Meeting. This year’s meeting is in Philadelphia, October 22-25, where we will be sole or lead sponsor for six topical sessions on subjects such as the geoarchaeology of large river valleys, prehistoric earthworks, natural disasters, wetlands, caves, and marine settings. I encourage you to submit an abstract for an oral or poster session; abstracts must be electronically submitted at http://www.geosociety.org/meetings/2006/index.htm by July 11, 2006. In addition to cosponsoring other technical sessions with allied divisions, we will be sponsoring a one-day, pre-meeting, archaeological geology field trip to be led by Joe Schuldenrein. This trip will look at contemporary and past landscapes of the Pennsylvania-New York area, starting at Philadelphia and proceeding north along the Delaware Valley. Stops will include a prehistoric quarry site, exposures of Quaternary loess and alluvial stratigraphy, and potentially an ongoing urban archaeological excavation (see below for more information on the upcoming GSA meeting). Plans are also currently being developed for the AGD-sponsored field trip at the 2007 GSA Annual Meeting in Denver that will involve high elevation Paleoindian sites in the Middle Park Area of Colorado.

Given the diverse interdisciplinary program at this year’s annual meeting, I hope that we have a large turnout in Philadelphia of both veteran and new GSA members. Moreover, one of my goals as chair is to increase student participation in the AGD. If you are an educator, I ask that you invite and encourage students to attend the annual meeting, particularly those students living in the northeastern U.S. It is not often that the annual meeting is held in this region, and students will have an opportunity to see presentations of a wide variety of archaeological geological research and meet the people who do it. Many students may be involved in research of their own that they may want to present. Students who plan to present a paper or poster can apply for travel support through the AGD and GSA (see Student Section at our division website http://rock.geosociety.org/arch/ for application procedures). Students can find additional information about the archaeological geology profession and how to participate in AGD activities by contacting our student representatives:
Ellery Frahm frah0010@tc.umn.edu or
Lori Wozniak lori-wozniak@uiowa.edu.

(cont. p2)
Chair’s Message (continued)
The health of the division inevitably depends on your participation. In addition to attending GSA national and sectional meetings, another way to participate is to submit contributions to the AGD Newsletter Editor, Jen Smith jensmith@wustl.edu. Even if it’s a shameless plug about your work and accomplishments (I’ve done my share!), it’s always good to hear what our members are doing. The newsletter is published in the summer and fall and can be accessed at our division website.

Yet another sign of a scientific discipline’s vitality is its representation in the peer-reviewed literature. Ours is an interdisciplinary science, and you can find recent papers in archaeological geology in journals too numerous to mention here. Along this line, I am happy to announce that our division journal, Geoarchaeology: An International Journal, is 20 years old this year and still going strong. Editors Rolfe Mandel and Paul Goldberg seek quality submissions from division members and colleagues. Of course, I also encourage you to submit your work to the GSA journals, including Geology, Geosphere (electronic publication), and the Geological Society of America Bulletin.

If you have questions, concerns, or recommendations regarding division activities (or lack thereof), I can be reached at 520-615-2644 or ghuck10@comcast.net. I look forward to seeing you in Philadelphia.

Gary Huckleberry, Chair

ARCHAEOLOGICAL GEOLOGY DIVISION
Minutes of the Annual Business Meeting
Monday, October 17, 2005
Salt Place Convention Center 251C
Salt Lake City, Utah
Meeting convenes at 5:40 pm.

1. Chair Report (David Cremeens)
   • Introduced AGD officers and committee chairs.
   • Commented on excellent field trip and thanked organizers/leaders for their efforts
   • Indicated that two sessions on Tuesday are sponsored by AGD
   • Asked for volunteers to man the AGD booth on Tuesday
   • Encouraged members to make nominations for GSA committees

2. Vice Chair Report (Gary Huckleberry)
   • Commented on next year’s Philadelphia meeting — better AGD representation is needed than at Salt Lake.
   • Two topical sessions have been suggested
     - Large River Valleys & Multicomponent sites in the East (D. Cremeens)
     - Geoarchaeology of Earthworks and Mounds (R. Mandel)
   • Joe Schudlenrein has agreed to organize a field trip

3. Secretary-Treasurer Report (Andrea Freeman)
   • Commented on fund raising and the fanny pack premium
   • Indicated that the general division fund has a balance of $7887.03
   • Applicants are needed for AGD student travel funds
   • Reported on officer election results (15% of the membership voted). Gary Huckleberry was elected Chair, Andrea Freeman Vice Chair, and Russell Stafford Secretary-Treasurer. Thanks to other candidates for participating.
   • Rip Rapp Fund balance is $50,740
   • Student travel is now a line item in general division budget

4. Installation of New AGD Chair:
   Out-going Chair, David Cremeens, turned meeting over to in-coming Chair, Gary Huckleberry.

Gary Huckleberry thanked David Cremeens for a smooth transition. He called for the membership to participate in AGD and indicated that new members were needed, especially students. Membership rose by 20 this year. AGD is the 8th largest division in GSA. If you have concerns please feel free to contact the Chair.

5. Open Discussion and Announcements:
   Jennifer Smith asked for suggestions regarding the newsletter; encouraged the membership to submit news items and featured research.

   David Cremeens indicated that GSA is concerned about Section meetings and wants Division involvement. He will attend the North Central Section this spring.

   Rick Dunn indicated that Catherine Yansa, (Department of Geography, Michigan State University) is the new chair of the Nominations Committee.

(continued on p3)
AGD Business Meeting (continued)
Rolfe Mandel indicated that the editorship of Geoarchaeology is in transition. He and Paul Goldberg will be co-editors of the journal. He encouraged individuals to submit manuscripts (long and short contributions). AMQUA will have its biannual meeting in Bozeman, Montana, August 2006. Geoarchaeology field trips are planned.

Vance Holliday mentioned the Conference on Archaeological Science at University of Arizona in September 2006. Participation by students and professionals is welcome. Contact Vance if interested.

6. Awards Ceremony

• The Claude C. Albritton, Jr. Award was made to Colin Cooke (Department of Geology, University of Pittsburgh) for “Reconstruction of pre-Incan metallurgy using lake sediments from north/central Peru”
• The Rip Rapp Archaeological Geology Award was made to C. Reid Ferring (University of North Texas). Rolfe Mandel was the citationist.

Meeting adjourned at 6:15 pm.

Respectfully submitted by
Russell Stafford
Secretary/Treasurer
Archaeological Geology Division

ARCHAEOLOGICAL GEOLOGY DIVISION
MANAGEMENT BOARD, 2005-2007

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SUBMIT AN ABSTRACT
GSA ANNUAL MEETING Oct. 22-25, 2006
Philadelphia, PA
ABSTRACT DEADLINE: JULY 11, 2006

The Archaeological Geology Division is sponsoring or co-sponsoring several topical sessions (listed below) at the 2006 GSA Annual Meeting. The sessions will not run unless enough papers are submitted, so please help these sessions see the light of day by submitting an abstract. If your research doesn’t fit well into these topical sessions, you may wish to consider submitting to the Archaeological Geology Division general (discipline) session. Relevant topical sessions include:

T1. High Resolution Quaternary Records from Cave Environments
GSA Archaeological Geology Division; GSA Quaternary Geology and Geomorphology Division; GSA Hydrogeology Division; GSA Sedimentary Geology Division; Society for Vertebrate Paleontology; Paleontological Society; Geochemical Society; Karst Waters Institute
Bonnie A.B. Blackwell, Donald McFarlane
Caves are geological time-capsules. When dated, they reveal detailed patterns of climatic, sedimentological, and hydrological changes, and botanical, faunal, and archaeological turnover. Contributions from all disciplines working in caves, rock shelters, or karst fissures welcomed. Oral and Posters.

T2. Alluvial Geoarchaeology of Large River Valleys
GSA Archaeological Geology Division
David L. Cremeens
This session encourages contributions from scientists that have investigated archaeology sites in large river valley settings. Discussions of soil stratigraphy, correlation, paleoenvironmental reconstruction, post-occupation burial and alteration, and newer techniques and analyses are particularly encouraged. Oral.

T3. Reconstructing Landscape Contexts of Human Occupation Surrounding Wetlands
GSA Archaeological Geology Division; GSA Limnogeology Division; GSA Geology and Society Division
Catherine H. Yansa, Andrea K.L. Freeman
This session will provide examples of how valuable information about human activities in wetland and surrounding upland landscapes is obtained from the analysis of soils, sediments and fossils from wetlands (lake, bog, marsh and riparian). Oral.
T4. Marine Geoarchaeology: New Exploration of Sites from Coast to Shelf (Posters)
*GSA Archaeological Geology Division*
Jean-Daniel Stanley, Eduard G. Reinhardt

Marine geoarchaeology aims to understand human and environmental interactions during the Holocene in now-submerged settings. New techniques and applications in this new interdisciplinary field will present latest research in reconstruction of coastal and shelf settings. Posters.

T5. Archaeological and Geoarchaeological Records of Natural and Human—Induced Disasters
*GSA Archaeological Geology Division*
Tina M. Niemi, Suzanne Leroy, L. Mark Raab

This session explores geologic and archaeological data, as well as historical records of catastrophic events and disasters in human history including earthquakes, volcanic eruptions, climate and environmental change, droughts, floods, and crises of cultural origin. Oral and Posters.

T6. Geoarchaeology of Prehistoric Earthworks
*GSA Archaeological Geology Division*
Rolfe D. Mandel

This session encourages contributions from researchers who have applied geoscientific methods, such as geophysics, remote sensing, soil stratigraphy, sedimentology, and micromorphological analyses, to the study of prehistoric earthworks, including mounds, mound-ridge complexes, canals, and moats. Oral.

T61. Geology and America's Early Wars
*GSA History of Geology Division; National Park Service; GSA Engineering Geology Division; History of the Earth Sciences Society (HESS); GSA Archaeological Geology Division, GSA Quaternary and Geomorphology Division; GSA Geology and Society Division*
Bob Higgins, William R. Brice, Judy Ehlen

Geology plays a critical role in every military venture. This session will examine how the American geologic setting, including geomorphology, hydrology, and resources influenced the course of the Revolutionary and Civil wars, and other conflicts. Oral.

**ARCHAEOLOGICAL GEOLOGY DIVISION STUDENT TRAVEL AWARD**

The Archaeological Geology Division announces a $650 travel grant for a student to attend the 2006 GSA Annual Meeting in Denver. This competitive grant will be awarded based on the evaluation of an application, including an abstract of the paper or poster prepared by a student for presentation in the Division's technical session at the GSA meeting. The paper or poster must be single-authored. The deadline for applications is approximately September 20, 2006. Please go to [http://rock.geosociety.org/arch/](http://rock.geosociety.org/arch/) for details or to apply.

**STUDENT NEWS**

The Archaeological Geology Division needs student volunteers to staff the Division's booth at the GSA Annual Meeting (October 22-25) in Philadelphia. Those attending the Annual Meeting and wishing to volunteer for an hour or two (or more) should contact the PR Chair, Jennifer Smith [jensmith@wustl.edu](mailto:jensmith@wustl.edu). The student travel fund supports those who are traveling to the GSA Annual Meeting to present a paper or poster. Student members are encouraged to help the Division build this fund by serving time as volunteers for the Annual Meeting.

If any student members are interested in some sort of social gathering at the Annual Meeting (to a bar, having lunch or dinner at a restaurant, etc.), please send Ellery an e-mail. If there is sufficient interest expressed, we'll organize a get-together.

Lori Wozniak [lori-wozniak@uiowa.edu](mailto:lori-wozniak@uiowa.edu)
Ellery Frahm [frah0010@umn.edu](mailto:frah0010@umn.edu)
Student Representatives
SHOW YOUR SUPPORT FOR THE DIVISION, AND THE STUDENT TRAVEL FUND!

Speaking of the Student Travel Fund: For a $10 donation to the Student Travel Fund, you will receive a royal blue belt pack emblazoned with the division logo (as seen on the newsletter bannerhead). If you can bear to wait until the Annual Meeting, you can stop by the Division booth in the Exhibit Hall, make your donation, and receive your fanny pack there. Alternatively, contact Jen Smith jensmith@wustl.edu, and arrangements can be made to process your donation and have a belt pack sent to you.

FROM THE NEWSLETTER EDITOR

Please send input! We need more “News from the Membership” and “Featured Research.” If there’s something you’d like to see in the Newsletter that’s not here, something that would be particularly useful or enjoyable to you, please let me know. Any and all suggestions for improving the newsletter would be welcomed! I’ll be at the business meeting in San Juan, so you’re welcome to give me some feedback then. Send all correspondence to: Jennifer R. Smith, Department of Earth and Planetary Sciences, Washington University, Campus Box 1169, 1 Brookings Drive, St. Louis, MO 63130, Office: (314) 935-9451, Fax: (314) 935-7361, email: jensmith@wustl.edu.

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. 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 awards in the amount of $650 in support of thesis or dissertation research by graduate students in archaeology and geology, with emphasis on the field and/or laboratory parts of this research. Additional information will be provided in the Fall newsletter; the next round of proposals will be due in March, 2007. Those desiring further information about these scholarships should visit http://rock.geosociety.org/arch/ or contact the Chair of the Awards Committee, Scott Pike, at pike@lynchburg.edu. Those wishing to contribute to the Albritton Fund should send gifts to the GSA Foundation, designating the gift for this fund.

DOUGLAS C. KELLOGG FUND FOR GEOARCHAEOLOGICAL RESEARCH

Congratulations to Heidi Luchsinger, 2006 recipient of the Douglas C. Kellogg award, for her dissertation research on archaeological geology in Argentina!

The Douglas C. Kellogg fund will provide support of thesis or dissertation research, with emphasis on the field and/or laboratory parts of this research, for graduate students in the earth sciences and archaeology. The application deadline is generally in December. For additional information, contact Dr. Christopher L. Hill, Douglas C. Kellogg Fund, Department of Anthropology, Boise State University, 1910 University Drive, Boise, Idaho, 83725-1950; email chill2@boisestate.edu.

OTHER FUNDING OPPORTUNITIES FOR GRADUATE RESEARCH

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

Million Dollar Opportunity

LaRamie Soils Service, Inc., the nation’s oldest geoarchaeological consulting firm, is accepting applications for senior partner position(s). Interested individuals should highlight their consulting, business, and professional experiences. Please respond to: laramiesoilsservice@msn.com.
DIRECTORY OF GRADUATE PROGRAMS IN ARCHAEOLOGICAL GEOLOGY

The “Directory of Graduate Programs in Archaeological Geology and Geoarchaeology” is published by the GSA Archaeological Geology Division. It is accessible through the Division web site http://rock.geosociety.org/arch. Rolfe Mandel took over the responsibility of updating Rip Rapp’s Directory; if you would like a hard copy of the Directory, contact Rolfe mandel@kgs.ku.edu.

ON THE WEB

The American Quaternary Association (AMQUA) has established a listserv to foster better and timelier communication with members. This listserv is for announcements from AMQUA only. It is not a "reply-to" discussion list nor is it intended to compete with other such lists. The AMQUA publication, the Quaternary Times, is going to become completely electronic, and the listserv will be led into it. All AMQUA members with email addresses were automatically subscribed. If you are an AMQUA member and have not received an email indicating your subscription please visit the following Web site to subscribe:

http://museum.state.il.us/mailman/listinfo/amqua-announce

AMQUA has also established a new Web site: http://www.amqua.org/. This site is currently under development, but plan to see major improvements soon.

Greg Vogel is developing an "earthworms and archaeology" web page, which will contain more general information on bioturbation when completed. It is intended for the general public, but may also be of interest to the geoarchaeologists, and can be found at:

http://www.projectpast.org/gvogel/Earthworms/home.htm

Greg would welcome any images of interesting or unusual forms of soil turbation for the gallery section of the web site; you can contact him at ggvogel@gmail.com.

(The following link was forwarded to the SAS mailing list by Dave Killick, University of Arizona):

For those involved in the analysis of petrographic thin sections, a method for time-saving digital image analysis of thin sections is described at:

spartan.ac.brocku.ca/~ffueten/stage/WelcomeF.html

Looking for images to use in teaching? Check out www.earthscienceworld.org/imagebank/ This archive currently has over 6000 indexed images.


For your use and enjoyment, a variety of video programs are available on The Archaeology Channel at http://www.archaeologychannel.org. You can support this public service by participating in their Membership and Underwriting programs.


Looking for GIS data? The National Geospatial Data Clearinghouse is a great one-stop shopping opportunity at http://clearinghouse1.fgdc.gov/. You can search by place, keyword, or target a particular dataset or server. Retrievable datasets are global, continental, national, state, and local.

A useful set of links to sites on archaeological applications of GIS is that maintained by the Stanford library, at:

http://www.sul.stanford.edu/depts/gis/Applarch.htm

“PalaeoWorks,” a new website, is designed to be a portal to resources being developed for palaeo- and archaeobotanical research in the Asia-Pacific region. Please visit at:


Contents include: the Indo-Pacific Pollen Database, the Australasian Pollen and Spore Atlas, individual collections of pollen floras from sites investigated by members of PalaeoWorks, and up-to-date information on the group’s current research activities.

Ever wondered what would happen if you got a little overly ambitious during excavation? This website, “If I dig a very deep hole, where I go to stop?” at http://map.pequenopolis.com will tell you.

Announcement forwarded to the Quaternary listserv at QUATERNARY@CLIFFY.UCS.MUN.CA:

Many of you may have heard of an NSF- and EU-funded project with the acronym of 'CRONUS' that is, 'Cosmic-ray-produced nuclide systematics.' This is an international project that is supposed to improve and standardize cosmogenic-nuclide dating methods,
and make them more easily and more accurately applied to Earth science research.

One goal of this project is to make standard methods of calculating exposure-ages and erosion rates from cosmogenic-nuclide measurements more easily accessible to the entire community of geologists and geomorphologists. Toward this end we have developed an online exposure-age and erosion-rate calculator for Be-10 and Al-26 measurements. This is intended to do two things:

1) to allow researchers, who wish to use cosmogenic-nuclide measurements as part of a broader study, to easily calculate exposure ages and erosion rates using a standard, internally consistent, and generally accepted method.

2) to enable researchers to easily recalculate exposure ages in the existing literature, that may have originally been determined using different geographic scaling schemes or production rates, using a common basis for comparison.

These online calculators are located here: \[ \text{http://hess.ess.washington.edu/math/} \]. They are fully open-source, with links to the actual MATLAB code that carries out the calculations, and fully documented.

The point of this announcement is to invite those of you who use cosmogenic-nuclide measurements in your work to try them, and let us know if they are helpful to you, or if you have difficulties in using them. We are especially interested in your comments on whether the user interface is easy to use, completely incomprehensible, or something in between.

At present these calculators are in review -- we are currently sending in a paper that describes them for formal review -- and until they've been formally reviewed, we may make changes in both the calculation method itself and the user interface. Thus we suggest that anyone who wishes to use these to generate published results before the review is complete should contact us to make sure that they have not been overtaken by events.

-Greg Balco bales@u.washington.edu
Cosmogenic Nuclide Lab
University of Washington, Seattle, WA USA
http://depts.washington.edu/cosmolab

NEWS FROM THE MEMBERSHIP

Ellery Frahm, a doctoral candidate in Archaeology and research fellow in Geology at the University of Minnesota, is taking a few weeks away from his air-conditioned lab, the Electron Microprobe Laboratory, to visit a site in the Khabur plains of Syria this summer. The site, a Chalcolithic to Middle-Bronze-Age tell, is ideally located for exchange into Anatolia, and the trade materials include obsidian. Ellery will visit the site to study the lithic assemblage, select obsidian fragments to bring back for provenancing using the electron microprobe, and participate in this year's excavations.

Allen Gilbert (Fordham University) and Joseph Schuldenrein (GRA) are assembling papers for an edited volume on Geoarchaeological Applications in Historic and Urban Landscapes. The volume is to be submitted to the University of Florida Press.

Geoarcheology Research Associates (GRA) is about to begin the final stage of a long term coring project in New York Harbor. The objectives are to reconstruct the margins and paleoenvironments of the buried shoreline since the end of the Pleistocene, extending to Euroamerican contact and colonial and historic periods. This is an interdisciplinary project that incorporates input from geomorphology, paleoclimatology, stratigraphy and archaeology. Field work will include submarine coring and side scan sonar for reaches of the harbor that are not well documented stratigraphically. Earlier phases of the project produced a baseline sequence that stressed biostratigraphy and dated sedimentary columns. The entire data set will be integrated into a GIS platform that will model landform and archaeological successions in the dynamic harbor environment.

GRA is also engaged in the excavation of the Leetsdale site, a 6 m deep multi-component and stratified site in the upper Ohio River valley. The site spans a series of floodplain, terrace and meander scroll surfaces. This is one of the largest archaeological sites currently under excavation in the eastern U.S. An allostratigraphic framework is being designed to accommodate the variability in the site landscape as well as the inherent differences in stratigraphic documentation produced by the 3 separate teams of archaeologists who have excavated the various landscape segments. GRA is tasked with developing a comprehensive site stratigraphy.

GRA is also involved in a 3 year NSF "biocomplexity" grant on the theme of Landuse and Landscape Socioecology in the Mediterranean Basin that has been awarded to an interdisciplinary team headed by Mike Barton at Arizona State University. Objectives of the project are to examine the interactive dynamic between landscape, vegetation, and cultural systems in the evolution of early
civilizations across the greater Mediterranean region during the Holocene. GRA will be leading a ground truthing effort to establish the alluvial and environmental histories of trunk drainages in western Jordan and the Jordan Valley that are associated with the emergence of some of the earliest agricultural settlements.

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, General Secretary, Society for Archaeological Sciences, 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 being co-edited by Rolfe Mandel and Paul Goldberg. The journal 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. They should be sent to: Paul Goldberg or Trina Arpin, Boston University, Department of Archaeology, 675 Commonwealth Ave. Boston, MA 02215. tel: (617) 358-1666 fax: (617) 353-6800 Electronic submission of manuscripts is now available.

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NEW BOOKS AND MONOGRAPHS
(received by Geoarchaeology: An International Journal)
Notes for all those teaching geoarchaeology: 1) Paul Goldberg and Richard MacPhail have just published "Practical and Theoretical Geoarchaeology" (Blackwell Publishing, 2006); 2) the second edition of "Geoarchaeology" by Rip Rapp and Christopher Hill will be published in April, 2006 (by Yale University Press).

UPCOMING MEETINGS

We invite your involvement in GSA’s next specialty meeting. Managing Drought and Water Scarcity in Vulnerable Environments: Creating a Roadmap for Change in the United States will take place in Longmont, CO, on 18-20 September 2006. This participatory conference will involve presentations from nationally-known experts, poster exhibits, and breakout sessions designed to obtain input from multiple stakeholders on the politically charged topic of allocating and conserving our increasingly limited water resources. To encourage interaction and communication, registration is limited to 250 people.

How can you participate?
--Volunteer to be a field trip guide on Sunday’s pre-meeting outing to view the Water Resources of the Scenic Rocky Mountains.
--Volunteer to be on the Scientific Advisory Panel for the conference.
--Suggest names of possible exhibitors for the conference.
--Register online at http://www.geosociety.org/meetings/06drought/registration.htm .
--Encourage a student to attend. Limited spots are available for student volunteers for whom registration fees will be waived.

For additional information, please see the meeting website at http://www.geosociety.org/meetings/06drought/, or contact Deborah Nelson (303) 357-1014; dnelson@geosociety.org.

July 24-26, 2006 Guelph, Canada. Sixth International Conference on Aeolian Research (ICAR VI). This meeting brings together researchers interested in the many areas of inquiry focusing on the entrainment, transport and deposition of sediment by wind including applied aspects of aeolian research. The conference will consist of three and a half days of technical sessions with oral and poster presentations. In addition to the technical sessions there will be a full day field trip to the coastal dunes of Lake Ontario, one of Canada's Great Lakes. For details, registration, and to submit abstracts: please visit www.uoguelph.ca/icarvi/index.cfm.

August 29-September 1, 2006 Edinburgh, Scotland. Registration is now open for all postgraduate research students wishing to attend the QRA 5th International Postgraduate Symposium at the Institute of Geography, University of Edinburgh. The meeting is designed to provide a forum for delegates to present and discuss their work in a relaxed and informal environment and to facilitate the development of close links within the Quaternary research community. For information: www.geos.ed.ac.uk/conferences/qrapg2006.

August 17-20, 2006 Bozeman, Montana. The theme of the American Quaternary Association 36th Biennial Meeting is “Ocean/Atmosphere Interactions and Continental Consequences: Environmental Forecasting from the Quaternary Sciences.” Plenary sessions will focus on the intersection of two important areas: the rapidly advancing science of ocean/atmosphere interactions and continental impacts, and the increasing demand for environmental forecasting. Meeting details: <http://bsi.montana.edu/amqua>.

August 25-September 2, 2006 São Paulo and Maringá, Brazil. GLOCOPH (Global Commission on Continental Paleohydrology - Fluvial sequences as Evidence for Landscape and Climatic Evolution in the Late Cenozoic-IGCP-518: Present and Past Fluvial Systems: Methods and Applications. The main objectives are to discuss fluvial sequences and paleohydrological records as evidence for landscape and climatic evolution in the Late Cenozoic and to promote the discussion of methods and techniques related to the reconstruction of past fluvial systems conditions and their applications in present day fluvial management. For more information contact Thiago Morato tmorato@infonet.com.br, who will send the first-circular. Information and registration: Dr. Jose C. Stevaux jstevaux@uem.br or jstevaux@prof.ung.br and Dr. Edgardo M. Latrubesse latrubes@terra.com.br.

September 7-9, 2006 Stockholm, Sweden. The general aim of the Second International Symposium on Biomolecular Archaeology is to stimulate research in the subject area and to encourage the exchange of information between researchers in different disciplines. Focus of the symposium will be the application of biomolecular techniques to archaeological questions, this ideally in combination with "traditional" archaeological research methods. Abstract Deadline: May 15, 2006. Registration Deadline (to avoid late fee): May 31, 2006. For more information visit www.archaeology.su.se/isba2.
September 13-16, 2006 Tucson, Arizona. The Archaeological Sciences of the Americas Symposium 2006 is soliciting contributions. In recognition that archaeological science represents an interdisciplinary effort, six major themes will be represented at the meeting: Geoarchaeology, Conservation Studies and Ephemeral Remains, Spatial Analysis and Remote Sensing, Chronometry, Human-Environmental Interaction, and Material Culture Studies. *Session proposal deadline* (5-6 papers and one discussant): May 15, 2006. *Abstract deadline:* June 1, 2006. For more information, visit [http://asas06.ltc.arizona.edu](http://asas06.ltc.arizona.edu) or contact an organizing committee chair directly: R. Emerson Howell rhowell@email.arizona.edu or AJ Vonarx ajvonarx@email.arizona.edu.

September 19-25, 2006 Mekelle, Ethiopia. The International HighLand Symposium will discuss environmental change, geomorphic processes, land degradation and rehabilitation in tropical and subtropical highlands. The second circular, containing the final list of invited speakers, themes to be discussed, and practical and financial information related to this conference, is at [www.biw.kuleuven.be/lbh/HighLand2nd%20circular011105.pdf](http://www.biw.kuleuven.be/lbh/HighLand2nd%20circular011105.pdf)


September 27-29, 2006 Berlin, Germany. The SR2A 2006 workshop on *Synchrotron Radiation in Art and Archaeology* will explore the current and potential applications of synchrotron science to problems in archaeology and art conservation, bringing together key members of the synchrotron community and experts in the disciplines of Archaeology, Archaeological Science, Art Conservation and Materials Sciences. Information on the conference can be accessed at [www.bessy.de/workshops/](http://www.bessy.de/workshops/). *Abstract deadline:* July 1, 2006.

October 20-22, 2006 South Carolina. Binghamton 2006 Geomorphology Symposium. Posters on the theme of The Human Role in Changing Fluvial Systems are invited for the to be held at the University of South Carolina, on October 20-22 (Friday through Sunday). Poster abstracts are due September 20, but may be submitted at any time before that date. Student funding is available for graduate students wishing to attend the conference. Funding preference will be given to students delivering posters, although all graduate students are eligible for support. Applications for student funding are due by September 1. For info on submitting a poster, student funding, and registering for the conference, go to: [http://geography.uoregon.edu/amarcus/Binghamton2006/index.htm](http://geography.uoregon.edu/amarcus/Binghamton2006/index.htm)

November 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 information: [http://www.asor.org/](http://www.asor.org/).

November 23-25, 2006 Nanjing, China. International Symposium on Terrain Analysis and Digital Terrain Modelling. Terrain analysis has been an active study field for some years and attracted research effort from geographers, surveyors, engineers and computer scientists. However, due to lack of communication across various disciplines, the effort seems to be quite isolated and mostly focused on problems within individual application fields. With the rapid growth of Geographical Information System (GIS) technology, particularly the establishment of high resolution Digital Elevation Models (DEM) at national level, the challenge is now focused on delivering justifiable socio-economical and environmental benefits. For this we need to bring people in the field of terrain analysis together and provide a platform for more active and fruitful communication and exchange of ideas.

April 19-21, 2007 Cambridge, England. The second Developing International Geoarchaeology Conference (DIG 2007) will be held at the University of Cambridge. The conference will be preceded by a two-day workshop of the International Archaeological Soil Micro-morphology Working Group. Information about the conference is available on the conference website at [http://www.arch.cam.ac.uk/dig2007](http://www.arch.cam.ac.uk/dig2007). Please let us know if you would like us to put you on the mailing list for the second circular by emailing us at: digarch@hermes.cam.ac.uk.

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 information, please visit www.canquaottawa2007.ca.

June 24-July 1, 2007 Rhone River, France. IAG Large Rivers Symposium. Two days of meetings on the large rivers of the world; the meetings will be preceded and followed by two days of field trips on the Rhone. Responsible for the local scientific committee: Pr Jean-Paul BRAVARD, University Lumiere-Lyon 2. For further details and expression of interest, please email Professor Bravard at jean.paul.bravard@univ-lyon2.fr or Avijit Gupta at avijit@foxhill.demon.co.uk.


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