

The Archaeological Geology

The Geological Society of America

Division

Volume 26, Number 2

Fall 2004

SEE YOU IN DENVER!
GSA ANNUAL MEETING
Denver, CO
November 7-10, 2004

The 2004 GSA Annual Meeting will be held at the Colorado Convention Center, with some activities at the co-headquarters hotels, the Denver Marriott City Center and the Hyatt Regency Denver.

Please come to the **Division Business Meeting and Awards Reception**, Monday, November 8 from 5-7PM in the Colorado Convention Center 703. Awards will be presented, future meetings discussed, and a good time will be had by all (cash bar and snacks 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 gift emblazoned with the Division's new logo. 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!

Technical Program: The Division is sponsoring (or co-sponsoring) several sessions:

Sunday, November 7, 2004

1:30 PM-5:30 PM

T102. **Quaternary Paleoenvironments of the Middle East: Proxy Records, Human Prehistory, and Regional Cross-Correlation**, Carlos E. Cordova and Caroline Davies, Presiding. *Colorado Convention Center (CCC) 107/109*

Monday, November 8, 2004

8:00 AM-12:00 PM

Archaeological Geology (Posters), CCC Exhibit Hall

1:30 PM-5:30 PM

Archaeological Geology I, C. Russell Stafford and Christopher L. Hill, Presiding. CCC 703

Tuesday, November 9, 2004

8:00 AM-12:00 PM

Archaeological Geology II, Jennifer R. Smith and Bonnie A. B. Blackwell, Presiding. CCC 102

Wednesday, November 10, 2004

8:00 AM-12:00 PM

T106. **Geological Context of Early Humans from Ethiopian Rift Basins**, Jay Quade and Jonathon Wynn, Presiding. CCC 102

Division members may also be interested in a newly offered "special session" on the first day of the meeting:

Sunday, November 7

7:30 – 9:30 PM. Ballroom, Colorado Convention Center

Beer and Geology. This session will focus on the impact of geology on the brewing processes and taste of beer. Following the speakers, attendees may sample beers from local Colorado breweries. The fee to attend this unique session is only \$10 and **attendance is limited**. Register on-line for session #313. If you have a paper registration form, write in #313 and include the \$10 fee. If you have already registered, please contact 1-888-443-4472 (option 3) to add this event to your Annual Meeting registration.

FYI: The Division is also sponsoring one pre-meeting field trip on Saturday, Nov. 6, "**Buried Paleo-Indian Landscapes and Sites in the High Plains of Northwestern Kansas and Eastern Colorado**", led by Rolfe D. Mandel, Jack Hofman, and Steve Holen. Recent geoarchaeological surveys in this area have recorded thick sections of alluvium with buried soils dating to ~9,000–11,000 14C yr B.P. along small streams (draws) high in drainage networks. In addition to examining some of these sections, stops will be made at several buried Paleo-Indian sites, including Kanorado (Clovis and possible pre-Clovis), Powell (Clovis), and Laird (Late Paleo-Indian). Emphasis will be placed on the geomorphic and stratigraphic context of buried Paleo-Indian landscapes and sites, and late-Quaternary paleoenvironmental conditions will be addressed. **Note:** the registration deadline for participation (September 30) has already passed.

**ARCHAEOLOGICAL GEOLOGY DIVISION
MANAGEMENT BOARD, 2003-2005**

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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 one of the members of the nominating committee: Rick Dunn, Department of Geology, Norwich University, 158 Harmon Drive, Northfield, VT 05663, (802) 485-2304 (voice), (802) 485-2333 (fax), rdunn@norwich.edu or Catherine Yansa, Department of Geography, Michigan State University, 125 Natural Science Building, East Lansing, MI 48824-1115, Ph.: 517-353-3910, Fax: 517-432-1671, E-mail: yansa@msu.edu

The deadline for nominations is February 15, 2005. Please consult the Division website for additional details.

STUDENT NEWS

The Archaeological Geology Division needs student volunteers to person the Division booth at the GSA Annual Meeting. Those attending the Annual Meeting and wishing to volunteer a couple of hours of time should contact the PR Chair, Jennifer Smith (Department of Earth and Planetary Sciences, Washington University, Campus Box 1169, 1 Brookings Dr., St. Louis, MO 63130, (314) 935-9451; jensmith@levee.wustl.edu).

The student travel fund supports students who are traveling to the Annual Meeting to present a paper or poster. We encourage student members to help the Division build this fund by serving time as volunteers.

Lori Wozniak and James Mayer,
Student Representatives

**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.

Deadline: March 1, 2005.

Contact: More information may be found at:
<http://rock.geosociety.org/arch/>

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**

Under the auspices of the Society for American Archaeology's Geoarchaeology Interest Group, family, friends and close associates of Douglas C. Kellogg formed a memorial fund in his honor. The 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. Recipients of this 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.

Money donated to the Douglas C. Kellogg Fund is not to be used for the annual award. Instead, the interest generated each year will be awarded on an annual basis to the recipient. Initially, a minimum of \$500 will be awarded; the amount of the award will increase as the fund grows and the amount of annual interest increases. The 2005 award will be presented in Salt Lake City at the 70th Annual Meeting of the SAA, March 30-April 1, 2005.

Applications must include:

1. A one page cover letter briefly explaining the individual's interest and how he or she qualifies for the award.
2. A current resume or c.v.

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Kellogg Fund Applications (continued from p. 2)

3. 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.

4. A letter of recommendation from the thesis or dissertation supervisor that emphasizes the student's ability and potential as a geoarchaeologist.

Deadline: Applications must be received by December 1, 2004. The recipient of the award will be notified by February 15, 2005. Paper copies of the items listed should be mailed to Dr. Rolfe Mandel, Chair, Committee for the Douglas C. Kellogg Fund, Kansas Geological Survey, 1930 Constant Ave., University of Kansas, Lawrence, KS 66047-3726. Electronic submissions will not be considered.

Contact: Dr. Mandel may be contacted at (785) 864-2171 or mandel@kgs.ku.edu.

R. E. TAYLOR STUDENT POSTER AWARD

The Society for Archaeological Sciences offers a prize for the best student archaeometric poster presented at the Annual Meeting of the Society for American Archaeology. The prize is a one-year membership in the SAS, including the quarterly Bulletin and the monthly Journal of Archaeological Science. The student should be the first author and the presenter of the poster. Criteria for the award are significance of the archaeological problem, appropriateness of the archaeometric methods used, soundness of conclusions, quality of the poster display, and oral presentation of the poster. To apply, send a copy of the poster abstract (indicating the student author), a correspondence address, and the name and date of the session in which the poster will be presented.

Contact: Charlie Kolb, Division of Preservation and Access, National Endowment for the Humanities, ckolb@neh.gov.

OTHER FUNDING OPPORTUNITIES FOR GRADUATE RESEARCH

Jonathan O. Davis Scholarship Fund. Jonathan O. Davis, a prominent Quaternary geologist and geoarchaeologist (and active member of the Archaeological Geology Division), was tragically killed in an auto accident in December, 1990. The family and friends of Jonathan established an endowment that provides monies for the Jonathan O. Davis Scholarship. This scholarship is given annually to support field research of a graduate student working on the Quaternary geology of the Great Basin or surrounding areas. The grant will be \$4,000.

Deadline: February 4, 2005.

Contact: For information on awards or the application process, please contact Barbara Jackson: (775) 673-7454; bj@dri.edu or see: <http://www.dri.edu/Opportunities/JonathanDavis.html>.

To help the endowment grow, send contributions to: Executive Director, Quaternary Sciences Center, Desert Research Institute, P.O. Box 60220, Reno, NV 89506. Make checks payable to the Board of Regents-DRI. Please indicate that the donation is for the J.O. Davis Scholarship Fund.

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: www.geochronlabs.com/research.html; (617) 876-3691 (tel); (617) 661-0148 (fax); staff@geochronlabs.com; or write 711 Concord Ave., Cambridge, MA 02138.

The *Laboratory for Archaeological Chemistry at the University of Wisconsin-Madison* has an annual program of research award grants to graduate students in archaeology programs around the world. The awards are offered to support and encourage the application of chemical analyses in solving archaeological problems. One award will be made each year consisting of analytical services involving elemental or isotopic measurements available with Laboratory for Archaeological Chemistry instrumentation. The lab encourages students to participate in analyses, where possible, in order to learn and understand the methods employed. Instrumentation in the lab includes a (1) Inductively Coupled Plasma Atomic Emission Spectrometer for the rapid elemental characterization of a variety of materials with a resolution in parts per million, and (2) Finnigan Element Inductively Coupled Plasma High-Resolution Mass Spectrometer for isotopic and elemental characterization of many materials. In addition the lab has access to a variety of other instrumentation and equipment on campus that is often used in our research.

Deadline: 1 January, 2005.

Contact: For information on applying for the award, or on the Laboratory for Archaeological Chemistry, please visit <<http://www.wisc.edu/larch/aclab/larch.htm>>, or contact T. Douglas Price or James H. Burton, Laboratory for Archaeological Chemistry, University of Wisconsin-Madison, 1180 Observatory Drive, Madison WI 53706 USA; phone (608) 262-2575 (tdp); (608)265-4216 (fax). E-mails: tdprice@facstaff.wisc.edu; jhburton@facstaff.wisc.edu

DIRECTORY OF GRADUATE PROGRAMS IN ARCHAEOLOGICAL GEOLOGY

The Directory of Graduate Programs in Archaeological Geology and Geoarchaeology is published by the Archaeological Geology Division of the Geological Society of America.

It is accessible through the Division website at: <http://rock.geosociety.org/arch/>. Rolfe Mandel took over the responsibility of updating Rip Rapp's Directory. For a free hard copy of the Directory, contact Rolfe at mandel@kgs.ku.edu.

NOTE FROM THE NEW EDITOR

As the incoming Newsletter Editor, I would like to take this opportunity to thank Andrea Freeman for 4 years of toil at a task for which I have a newfound respect, having struggled through this, my inaugural issue, with a great deal of help from Andrea. Andrea has provided us with a valuable resource over the last few years, and we all owe her a debt of gratitude (and a drink or two at the Business Meeting in Denver!) I am looking forward to getting to know you all, and I encourage you to send me any ideas you have for improving the newsletter, as well as any updates that could be included in our "News from the Membership" section. You can reach me at: Jennifer R. Smith, Dept. of Earth & Planetary Sciences, Washington University, CB 1169, 1 Brookings Drive, St. Louis, MO 63130; (314) 935-9451, (314) 935-7361 (fax), or jensmith@wustl.edu.

NEWS FROM THE MEMBERSHIP

Gary Huckleberry returned to the private sector in Tucson, Arizona to be closer to family. He is continuing his interests in geoarchaeology, collaborating with colleagues in academia and working as a consultant for regional CRM firms. Ongoing projects include studies of riverine and alluvial fan systems in southern Arizona and western New Mexico that have ~4,000 years of irrigation agricultural history.

Don Thieme (Science Department, Georgia Perimeter College) has been teaching a broad spectrum of classes since completing his Ph.D, including an "environmental science", as well as both physical and historical geology, and a "weather and climate" class as a visiting lecturer at Georgia State University. On the research front, he continues to collaborate with Joe Schuldenrein on geomorphic mapping of Fort Bragg in North Carolina, and is finishing the paper on Governors Island in New York Harbor which he presented at the 2003 GSA for publication in a special issue of Historical Archaeology. He has also followed up his dissertation research by looking at magnetic mineralogy of Susquehanna River alluvial soils as a visiting fellow at the Institute for Rock Magnetism at the University of Minnesota.

From October 2004-February 2005, **Heidi Luchsinger** (Department of Anthropology, Texas A&M) is conducting geoarchaeological investigations in the middle Río Negro Valley in northern Patagonia, Argentina, in search of the Late

Pleistocene-Early Holocene archaeological and paleo-environmental records. This project is funded by the Fulbright Commission, National Science Foundation, Geological Society of America, and Sigma Xi. She will have an update at the SAAs in one of the poster sessions.

Geomorphological and geoarchaeological testing is taking place this fall in Central Park, New York City. **Suanna Selby** is conducting subsurface testing of the archaeological site known as Seneca Village, a mid 19th century integrated community of freed African slaves, African Americans, and Irish immigrants. Directors of the Seneca Village Archaeological Project Nan Rothschild of Barnard College, Diana Wall of City College (CUNY), and Cynthia Copeland of the New-York Historical Society are using documentary and genealogical records, remote sensing, and GIS to reconstruct the footprint of Seneca. Ms. Selby is assisting with the ongoing fieldwork and analysis of hand-augered soil samples to identify the remains of the 19th century occupation surface, the impact of Frederick Law Olmstead's Central Park construction on native soils, and the pre-settlement stratigraphy of the island of Manhattan. Preliminary results will be presented at the Society for Historical Archaeology annual meeting in January 2005. For additional information, email suanna@verizon.net.

ON THE WEB

A new **Thin Section & Micromorphology Discussion Forum** has been launched at the University of Stirling, <http://bbs.thin.stir.ac.uk/>. This forum is intended to facilitate discussion and the exchange of ideas amongst the worldwide thin section and micromorphology community.

The **Alexandria Archive Institute** is working to develop an internet-based "knowledge commons" of world cultural heritage, by archiving primary data (including images) from archaeological projects. They need beta-testers to evaluate the projects they have online.

Visit them at www.alexandriaarchive.org.

SOCIETY FOR ARCHAEOLOGICAL SCIENCES

The Society for Archaeological Sciences (SAS) 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.

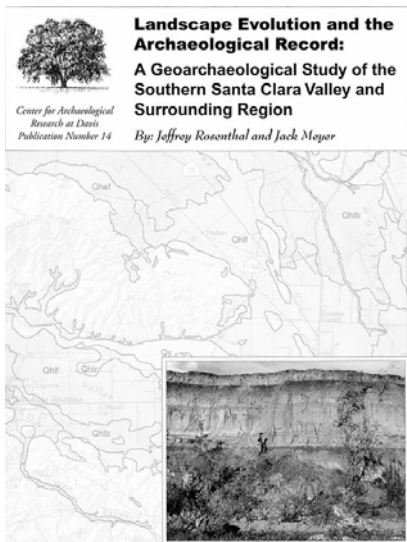
For membership inquiries, please contact Rob Sternberg, General Secretary, Society for Archaeological Sciences, Department of Earth and Environment, Franklin & Marshall College, Lancaster, PA 17604 USA; (717) 291-4134 (tel); (717) 291-4186 (fax); Rob.Sternberg@fandm.edu.

FEATURED RESEARCH

“Recent Developments in California Geoarchaeology”

Jack Meyer, Anthropological Studies Center, Sonoma State Univ.

Although not generally known for its geoarchaeology, three new studies illustrate that the discipline is alive and well in California.



The first is entitled, *Landscape Evolution and the Archaeological Record: A Geoarchaeological Study of the Southern Santa Clara Valley and Surrounding Region*, by Jeffrey Rosenthal of Far Western Research Group, Inc, and Jack Meyer of the Anthropological Studies Center at Sonoma State University. The study addresses a broad geographic region that includes the entire Hollister and San Juan valleys, the southern end of the Santa Clara Valley, and parts of the San Francisco Bay Area. The study was designed to assist the California Dept. of Transportation (Caltrans) in understanding the nature and timing of local landscape evolution and how this process relates to the potential for buried archaeological resources in advance of future highway projects. Comprehensive background research on the geological and archaeological history of the region was combined with new field studies to develop a three-dimensional picture of local landscape change during the late Pleistocene and throughout the Holocene. Combined with a GIS-based analysis of archaeological settlement patterns, this information was used to identify sensitivity zones reflecting the potential for buried archaeological sites. This was accomplished by developing a model of prehistoric settlement patterns based on present environmental variables. Based on a review of previous prehistoric settlement-pattern models and an analysis of the distribution of all recorded archaeological sites in the study area, it was determined that factors predictive of site density include slope of terrain, the kind of geologic unit, and distance to watercourse. Copies are available for ~\$30.00 from the UC Davis Bookstore, and can be ordered by: phone (530) 752-2944; fax (530) 752-4791; or at <http://www.ucdavisbookstore.com>.

Farther east in the Sierra Nevada foothills, a geoarchaeological study was conducted to identify and assess the potential for buried archaeological resources along segments of a proposed four-lane bypass for Caltrans. The study intentionally targeted

and successfully identified depositional landforms that contain buried land surfaces (paleosols) that were available for past human occupation. The findings indicate that this part of the Sierra foothills has a long and complex history of landscape changes that resulted in the burial of historic and prehistoric archaeological deposits alike. The chronostratigraphic framework developed by this study illustrates the intimate relationship that may exist between the archaeological record and the timing and extent of landscape changes in the Sonoma area and surrounding region. In doing so, the study provides a sensitivity model that can help archaeologists and cultural resource managers address the problem of buried sites and gaps in the archaeological record. The final report entitled, *Geoarchaeological Investigations for Stage 2 of the East Sonoma Bypass Project, State Route 108, Tuolumne County, California*, was coauthored by Jack Meyer and Graham Dalldorf of the Sonoma State University Anthropological Studies Center. According to Caltrans reviewers, the report looks “beyond obvious conclusions,” and advances the “understanding of the relationship between archaeology and the environment.” One noted California archaeologist describes the work as “a fine example of scholarship” and “a valuable contribution to Sierran archaeology,” while another considers it “a most impressive report that really makes the case for implementing geoarchaeological research to detect buried archeological remains.”

Jeffrey Rosenthal and Jack Meyer recently completed an expansive geoarchaeological study of eight counties in central California. The final report, *Geoarchaeological Study: Landscape Evolution and the Archaeological Record of Central California*, is part of a large Cultural Resources Inventory of Rural Conventional Highways conducted for Caltrans. The study uses an innovative combination of archival research, fieldwork, radiocarbon dating, and GIS-based mapping to assess the potential for buried archaeological resources within the district. The study also features (1) a detailed environmental context for understanding the timing and extent of regional landscape changes; (2) a database of more than 450 radiocarbon dates from the district, including several dates obtained specifically for the study; (3) a map of Quaternary-age landforms and archaeological sensitivity in the northern San Joaquin Valley and adjacent foothills that is based on available soil data; (4) a model of landscape changes in the upper Sierra slopes; and (5) a geoarchaeological assessment of the way that landscape changes have affected the nature and completeness of the archaeological record in the region. Those interested in obtaining a copy of either report can contact Jack Meyer by email at meyerj@sonoma.edu.

These are only few of the many geoarchaeological studies recently conducted in California as geoarchaeologists continue to develop new and more effective methods to help archaeologists and cultural resource managers address issues of landscape evolution, buried sites, and the nature and completeness of the archaeological record throughout the state. Where do we find the time to surf?

UPCOMING MEETINGS

December 7-13, 2004. San Francisco, CA. **American Geophysical Union.** Many interesting sessions, including: Paleocological Approaches to Late Quaternary Climate Change and Landscape Evolution in the Circum-Arctic; Lacustrine Records Across Latin America: High-Resolution Archives of Environmental Variability; Northern Eurasia Regional Climate and Environmental Change; Fire, Climate, and Ecosystems; and Land Use/Land Cover Change: Balancing Human Needs and Environmental Functions. For more information visit www.agu.org.

March 30-April 3, 2005. Salt Lake City, UT. **Society for American Archaeology Annual Meeting.** Abstracts deadline has passed. For more information, visit <http://www.saa.org>.

June 5-10, 2005. Winnipeg, Manitoba, Canada. **Canadian Quaternary Association (CANQUA).** Various special and general sessions will accompany a session honouring Vic Prest. For more information consult the CANQUA web site <http://www.mun.ca/canqua/> or contact D. Sauchyn or J.Teller, Co-Chrs: sauchyn@uregina.ca; tellerjt@ms.umanitoba.ca.

In addition to the special session in honour of Vic Prest, a special issue of *Géographie physique et Quaternaire* is being prepared that will highlight ongoing research into glacial history and paleo environmental change in glaciated North America. Potential authors should contact Stephen Wolfe at their earliest convenience, and provide a tentative title, list of potential authors, and a brief description of the paper to be prepared.

February 2-4, 2005, Geological Society, Burlington House, London. **Drylands: Linking Landscape Processes to Sedimentary Environments.** Joint British Geomorphological Research Group and British Sedimentological Research Group.

The aim of this international conference is to bring together researchers working in modern and ancient dryland environments, in order to improve our understanding of arid zone processes and landforms and the preservation potential of dryland sediment successions in the geological record. We anticipate that the meeting will not only promote interaction between geomorphologists and sedimentologists, but will also enhance our knowledge of contemporary dryland environments and the factors influencing subsurface sedimentary architecture. This conference will also be of considerable interest to practitioners working in the water and hydrocarbon industries. All delegates planning to attend the conference should register before December 1, 2004. Conference web site for details and registration: <http://www.bton.ac.uk/environment/drylands/>.

February 12, 2005 Tampa, FL **Southeast Conference on Mesoamerican Archaeology and Ethnohistory.** This informal meeting aims to showcase current archaeological and ethnohistorical research in Mesoamerica being conducted by scholars resident in the Southeastern United States, with the greater goal of encouraging productive discussion, communication, and interaction. Please note that there is no

registration fee for this conference, and students are more than welcome to attend. For additional information, please visit: <http://uweb.cas.usf.edu/~cwells/SECMAE.htm> or contact Christian Wells at: (813) 974-2337 (phone); (813) 974-2668 (fax); cwells@cas.usf.edu.

May 3-5, 2005 Barcelona, Spain. **International Congress on Beer in Prehistory & Antiquity.** This event is coordinated by the Universitat de Barcelona and ICAF-International Committee of Anthropology of Food. The current research of the archaeology of beer will be presented by archaeobotanists from Germany, Greece, Italy, Mexico, Spain, Sweden, United Kingdom and U.S.A. If anyone is interested in participating and/or in receiving more information, please, contact Dr. Jordi Juan i Tresserras: jjuan@ub.edu; (+34) 93 4034427 (phone); (+34) 93 4034746 (fax).

September 7-11, 2005 Zaragossa, Spain. **Sixth International Conference on Geomorphology.** During the Sixth International Conference on Geomorphology, the Working Group on Geoarchaeology (WG3) will organise a special half-day session dedicated to two sub-workshops: WG3/A Geoarchaeology: Global perspectives (lectures and poster session) and WG3/B Geoarchaeology of the Hispanic and Pre-Hispanic American World (lectures & poster session).

Jean-Michel Carozza (Université de Strasbourg, France) is the General Secretary for these two sessions and can be contacted at carozza@equinox.u-strasbg.fr.

To register for one of these sessions, please visit <http://wzar.unizar.es/actos/SEG> and use the online registration form.

CONTENTS OF RECENT ISSUES OF GEOARCHAEOLOGY

Volume 19, Issue 6 (August 2004)

Research Articles

"Ancient transpacific voyaging to the new world via Pleistocene South Pacific Islands"; *Steve Wyatt*

"Romarchite and associated phases as common corrosion products on pewter artifacts from marine archaeological sites"; *Stacie E. Dunkle, James R. Craig, Wayne R. Lusardi*

"Pliocene clays from Aegina (Greece): Reference material for chemical provenance studies on bronze age pottery from the Island"; *Anno Hein, Hans Mommsen, Guido Zender*

"Geoarchaeology and prehistory of the Kipsing and Tol river watersheds in the Mukogodo Hills region of Central Kenya"; *Frederic B. Pearl, D. Bruce Dickson*

"Late Holocene behavior of Chaco and McElmo Canyon drainages (Southwest U.S.): A comparison based on archaeological age controls"; *Eric R. Force*

Geoarchaeology (continued)

Book note

Vance T. Holliday

Erratum

Bassett, K.N., Gordon, H.W., Nobes, D.C., & Jacomb, C., "Gardening at the edge: Documenting the limits of tropical Polynesian kumara horticulture in southern New Zealand." *Geoarchaeology* 19(3) 2004, 185-218

Volume 19, Issue 7 (October 2004)

Research Articles

"Distinguishing between naturally and culturally flaked cobbles: A test case from Alberta, Canada"; Jason David Gillespie, Susan Tupakka, Christine Cluney

"Re-creation of the 1744 Heylyn and Frye ceramic patent wares using Cherokee clay: Implications for raw materials, kiln conditions, and the earliest English porcelain production"; W.R.H. Ramsay, G.R. Hill, E.G. Ramsay

"Evidence for a single clay/temper source for the manufacture of Middle and Late Helladic Aeginetan pottery from Asine, Greece"; Michael J. Dorais, Michael Lindblom, Christine M. Shriner

"Geoarchaeological context of late Pleistocene and early Holocene occupation at the Cooper's Ferry site, western Idaho, USA"; Loren G. Davis, Charles E. Schweger

Book Reviews

Archaeological survey; Joe Alan Artz

Lithic technology in the Middle Potomac River Valley of Maryland and Virginia; Steve Cole

GEOARCHAEOLOGY: AN INTERNATIONAL JOURNAL

Geoarchaeology is published bimonthly 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. Members of the Archaeological Geology Division are encouraged to submit manuscripts. They should be sent to: Art Bettis, Department of Geoscience, 121 Trowbridge Hall, The University of Iowa, Iowa City, Iowa, USA; (319) 335-1831 (phone); (319) 335-1821 (fax); art-bettis@uiowa.edu.

Members of the Archaeological Geology Division and the Quaternary Geology & Geomorphology Division of GSA qualify for the group rate of \$105/year. The rate for Division members outside North America is \$153. The offer is for

personal subscriptions only (subscription orders must include GSA membership number). You may also write to: John Wiley & Sons, Inc., Attn: Subscription Department, 111 River Street, Hoboken, NJ 07030. For subscription inquiries, please call (201) 748-6645 or e-mail subinfo@wiley.com. U.S. members should include appropriate state sales tax, and Canadian members should add 7% GST, which Wiley is obliged to collect.

NOTES

The University of South Florida is now accepting applications from undergraduate and graduate students for the 2005 field season of the **Palmarejo Community Archaeological Project and Field School**. For more information, please contact Christian Wells: (813) 974-2337 or cwells@cas.usf.edu, or visit: <http://uweb.cas.usf.edu/~cwells/field%20school/Palmarejo%20Field%20School.htm>.

For those who do not typically read the journal *American Antiquity*, you may be interested in catching a paper on C-14 and shell reservoir correction calculations; "**Building Confidence in Shell: Variations in the Marine Radiocarbon Reservoir Correction for the Northwest Coast over the Past 3,000 Years**", by Jennie Deo, John Stone, and Julie Stein, published in the October, 2004 issue.

The **Blackburn Press** is dedicated to keeping in print and available for purchase book titles which other publishers have lost interest in and have declared "out of print". See www.blackburnpress.com for a flavor of their publishing activities. Among the books they have already brought back into print are: "Handbook of Holocene Palaeoecology and Palaeohydrology" by Bjorn Berglund and "Fluvial Processes in Dryland Rivers" by William L. Graf. If you are an author whose book is out of print, or if you are aware of an undeservedly out-of-print book which has value and should be returned to print, please contact:

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Graduate Student Opportunities at Michigan State University Interested in studying paleoenvironmental reconstruction (using pollen, plant macrofossils, charcoal and soils) and paleoethnobotany in North America, especially the Midwest and Great Plains, and the Amazon? Contact: Dr. Catherine Yansa, Department of Geography, MSU, East Lansing, MI; pollen@msu.edu; (517) 353-3910; www.geo.msu.edu/facstaff/yansa/index.html for information.

NEW BOOKS AND MONOGRAPHS

- A Handbook of Soil Description for Archaeologists. 2002, Gregory Vogel, Arkansas Archeological Survey Technical Paper 11, Fayetteville, Arkansas, 32 pp.
- The Settlement of the American Continents: A multidisciplinary Approach to Human Biogeography. 2004, C. Michael Barton, Geoffrey A. Clark, David R.E. Yesner, and Georges A. Pearson (Editors), The University of Arizona Press, Tucson. vi + 281 pp.
- Amazonian Dark Earths: Origin, Properties, Management. 2003, Johannes Lehmann, Dirse C. Kern, Bruno Glasser, William I. Woods (Editors), Kluwer Academic Publishers, The Netherlands. xix + 505 pp.
- The Quaternary Period in the United States. 2003, A.R. Gillespie, S.C. Porter, B.F. Atwater (Editors), Elsevier.
- Ice Age Southern Andes: A Chronicle of Palaeoecological Events, 2003, C.J. Heusser, Developments in Quaternary Science 3, Elsevier Press, Amsterdam, The Netherlands, xvi+240 pp.
- Excavation. 2003, Archaeologist's Toolkit 3. David L. Carmichael, Robert H. Lafferty III, Brian Leigh Molyneaux, AltaMira Press, xii + 126 pp.
- Cultural Resource Laws and Practice. 2003, Thomas F. King, AltaMira Press, pp. 384.
- Early Earthquakes of the Americas. Robert L. Kovach, 2004, Cambridge University Press, UK, xi + 268 pp.
- A Century of Nature: Twenty-one Discoveries That Changed Science and the World. 2003, Laura Garwin and Tim Lincoln (Editors), The University of Chicago Press, Chicago. xviii + 360 pp.
- The Burnham Site in Northwestern Oklahoma: Glimpses Beyond Clovis? 2003, Don G. Wyckoff, James L. Theler and Brian J. Carter (Editors), Sam Noble Oklahoma Museum of Natural History, Oklahoma Anthropological Society, Memoir 9.
- Climate Changes during the Holocene and their Impact on Hydrological Systems. 2003, Arie S. Issar International Hydrology Series. Cambridge University Press, Cambridge, UK. xvi + 127 pp.
- Ice Age Cave Fauna of North America. 2003, Blaine W. Schubert, Jim I. Mean and Russell Wm. Graham (Editors) Indiana University Press, xiii + 229 pp.
- Techniques in Archaeological Geology. 2003, Ervan G. Garrison. Springer-Verlag, Germany, xiv + 300 pp.
- Quaternary Geology of the United States. 2003, Don J. Easterbrook (Editor), XVI INQUA Congress Field Guide Volume, Desert Research Institute, iv + 438 pp.

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