NEW DIVISION LOGO!

At the 2003 Annual Meeting, the Management Board noticed that some of the other Divisions had developed their own logos and were giving away swag with their cool new Division logos emblazoned on the items. Our PR Chair Jennifer Smith came up with the design for our own Division logo. The Division will have a booth set up at the Annual Meeting in Denver and will be offering logo-emblazoned items in exchange for donations to our student travel fund. Look for our Division logo in both black-and-white and color versions at the booth or throughout the meeting, and proudly show off that you are a Division member!

MESSAGE FROM THE CHAIR

This year has brought some significant changes to the Archaeological Geology Division. First and foremost, the officers will serve a two-year term rather than the traditional one-year term. This was discussed at the 2002 GSA meetings in Denver, and then voted upon. A two-year term for the officers is believed to provide a greater level of continuity for addressing issues of the members and the geosociety/archaeosociety at large than that provided by one-year terms. That is the theory. The reality will develop over the next two years.

What has not changed is the need for our members to become involved with the division. One of the easiest ways to do this is to propose a session of papers for the annual meetings. The proposal deadline is in mid-January for the annual meeting that will happen nine or ten months later in the fall. GSA offers two categories of “sessions.” The first includes the more formal Pardee Symposia, designed to appeal to a broad audience. Pardee Symposia come with money to assist invited speakers. The second type is the Topical Session. These are simply a collection of papers centered on a topic (general to specific) that is of interest to the division, and maybe to other divisions. More detailed descriptions of these sessions and detailed instructions on proposal development is available on the GSA website at <www.geosociety.org>. The proposals must be submitted electronically by the mid-January deadline for the year in which they are proposed. I would suggest that if you propose a session, you also volunteer to be the moderator. This will require you to communicate not only with the speakers, but also with the audience. This gives you good exposure to the division. Also consider the possibility of gathering the papers together for a special volume of a journal. This requires more work, but the end result is worth it.

(continued on p. 2)
Chair’s Message (continued from p. 1)

Another way to become more involved with the division is to submit photos and articles for the newsletter and the website. In the newsletter, let us know what you are working on, where you are traveling, and other relevant information. The website is in need of photos from previous field trips (1997-2001). Also, any upcoming events that you or someone you know is involved in are always of interest. We have a new PR Committee chaired by Jennifer Smith. She is developing and maintaining a poster of our division. She is another person to contact with your ideas.

Our program for the GSA 2004 meeting in Denver (again) is taking shape. We have six topical sessions listed with AGD sponsorship and I encourage you all to participate in one of these sessions. The pre-meeting field trip by Rolfe Mandel, Jack Hofman and Steve Holen will take place on Saturday Nov. 6 and will visit the High Plains of northwestern Kansas and eastern Colorado to focus on buried Paleoindian landscapes and sites.

David L. Cremeens
Chair, GSA Archaeological Geology Division

AGD MANAGEMENT BOARD, 2003-2005

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GAI Consultants, Inc., 570 Beatty Road, Monroeville, PA 15146; (412) 856-6400 x3234

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Past Chair
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Department of Anthropology, University of Arizona, Tucson, AZ 85721-0030; (520) 621-4734

SUBMIT YOUR ABSTRACT FOR THE 2004 ANNUAL MEETING IN DENVER

It’s time to get ready for the next annual meeting in Denver, CO, November 7-10, 2004. AGD is sponsoring six sessions and one field trip:

Premeeting Field Trip: Buried Paleo-Indian Landscapes and Sites in the High Plains of Northwestern Kansas and Eastern Colorado. 
Organizers: Rolfe Mandel, Kansas Geological Survey, 1930 Constant Avenue, Lawrence, KS 66047-3726, (785) 864-2171, fax (785) 864-5317; Jack Hofman and Steve Holen
Summary: This field trip will focus on buried Paleo-Indian landscapes and sites in the High Plains along the Kansas-Colorado border. 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.

Topical Session T-30: New and Multidisciplinary Approaches to Dating Cave Deposits. 
Organizers: Donald McFarlane, The Claremont Colleges, Claremont, CA; Joyce Lundberg, Carleton University, Ottawa, Ontario
Summary: Integration of technological and methodological advances in the dating of cave deposits, with the experimental and/or successful application of multiple and/or innovative techniques to resolve long and complex speleological records.

Topical Session T-104: Unveiling the hidden components in archaeological landscapes – the role of geoscience techniques in archaeological site analysis.
Organizer: Cynthia A. Stiles <castiles@wisc.edu>; (608) 262-0331, Univ. of Wisconsin - Madison.
Summary: Interdisciplinary forum for presenting new and/or improved technologies and methods (both field and laboratory) that help broaden and elucidate our understanding of site information.

(continued on p. 3)
Topical Session T-105: Archaeological Geology of Stratigraphically Complex Localities. 
Organizer: E.A. Bettis, III, University of Iowa, Iowa City, IA.  
Summary: Stratigraphically complex localities contain some of the most complete and important archaeological records on Earth. This session addresses the interpretation of the complex array of sedimentological, pedological, biological, and human factors that interact to form these records.

Topical Session T-106: Geological Context of Early Humans from Ethiopian Rift Basins. 
Organizers: Jay Quade, University of Arizona, Tucson, AZ; Jonathon Wynn, University of Oregon, Eugene, OR.  
Summary: Basin deposits in the Ethiopian rift are the richest source of fossil hominids in the world. This session will bring together recent research by expedition geologists on the geological context of these finds.

Organizer: Jennifer R. Smith, Washington University, St. Louis, MO.  
Summary: Educators and geoscience professionals share their perspectives on the "ideal" training for archaeological geologists and on overcoming the particular philosophical and bureaucratic challenges of developing interdisciplinary curricula at the graduate and undergraduate levels.

Organizer: Jasper Knight, Loughborough University, Loughborough, United Kingdom.  
Summary: Explores relationships between geology, geomorphology, human activity and landscape, and implications for management and conservation of landscape resources. Methodological and field-based papers using mapping, stratigraphic analysis, dating, geographic information system, and modeling are all encouraged.

CALL FOR NOMINATIONS FOR DIVISION AWARDS

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.

The deadline for nominations is February 15, 2005. For more details, please consult the Division website at <http://rock.geosociety.org/arch/> or contact a member 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, (517) 353-3910 (voice), (517) 432-1671 (fax), <yansa@msu.edu>.

STUDENT NEWS

The Archaeological Geology Division needs student volunteers to staff the Division booth at the GSA 2004 Annual Meeting. The Division will offer items with the new! Division logo on them in exchange for contributions to the student travel fund. Those attending the Annual Meeting and wishing to volunteer a couple hours of time should contact the PR Chair, Jennifer Smith, Dept of Earth & Planetary Sciences, Washington Univ, CB 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 as volunteers and also encourage students participating in the meeting to apply for this funding. The application deadline is September 20, 2004. The online application form is on the Division website at <http://rock.geosociety.org/arch>.

Lori Wozniak and James Mayer, AGD Student Representatives
ARCHAEOLOGICAL GEOLOGY

STUDENT TRAVEL GRANT AWARD

The Archaeological Geology Division encourages students to apply for an AGD travel grant to attend the GSA’s Annual Meeting in Denver, CO. The grant is competitive and is awarded based on the evaluation of an abstract and 1,500-2,000 word summary paper prepared by a student for presentation in the Division’s technical session at the GSA meeting. The summary paper may include one figure and must be single authored. The deadline for applications has been moved to September 20, 2004. Please consult the Division website for online application and for more information: <http://rock.geosociety.org/arch/>.

CLAUDINE ALBRITTON AWARD FOR GRADUATE STUDENTS

Under the auspices of the GSA Archaeological Geology Division, the family, friends and close associates of Claude C. Albritton, Jr. formed a memorial fund in his honor at the GSA Foundation (see item in March, 1991 Newsletter). The Albritton Fund provides scholarships and fellowships for graduate students in the earth sciences and archaeology. Recipients of these awards are 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. 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 vitae; 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; and 4) a letter of recommendation from the thesis or dissertation supervisor that emphasizes the student's ability and potential as a geoarchaeologist.

DOUGLAS C. KELLOGG FUND FOR GRADUATE STUDENT RESEARCH

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

Only the interest generated each year by the Douglas C. Kellogg Fund will be used for the annual award. Initially, a minimum of $500 will be awarded; the amount of the award will increase as the fund grows and its annual interest increases.

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

R.E. TAYLOR STUDENT POSTER AWARD

The Society for Archaeological Sciences offers a prize for the best student archaeometric poster (continued on p. 5)
R.E. Taylor Award (continued from p. 4)
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. For more information, please contact: Christian Wells, Asst. Professor of Anthropology, University of South Florida, <cwells@cas.usf.edu>; (813) 974-2337.

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. His family and friends established an endowment that provides monies for the Jonathan O. Davis Scholarship. The scholarship is given annually to support the field research of a graduate student working on Quaternary geology of the Great Basin or surrounding areas. For more information on this $2,000 scholarship, contact: Executive Director, Quaternary Sciences Center, Desert Research Institute, PO Box 60220, Reno, NV 89506. To help the endowment grow, send contributions to the above address. Make checks payable to the Board of Regents-DRI. Please indicate that the donation is for the J.O. Davis Scholarship Fund.

GSA Section Grants
The GSA Sections offer grants for travel and/or research to GSA student members who are enrolled in institutions within their respective geographic boundaries. For more information, see <http://www.geosociety.org/secdiv/> and contact your Section Secretary.

Geochron Laboratories, a division of Krueger Enterprises, Inc., annually awards a series of research grants to graduate students who require interesting or new applications of isotopic analyses. The awards consist of analytical services to be performed free of charge to the winner in each category. For the past several years awards have been offered in K-Ar dating, C-14 dating, and stable isotope ratio analyses (SIRA), SIRA in dietary studies, and SIRA of fluid inclusions in minerals. The awards are offered by Geochron Labs in an effort to encourage the application of isotopic analytical techniques to solve original and significant problems. Deadline for applications is May 1. Early applications are suggested in order to assist with prompt evaluation and notification of winners. For research award program guidelines and official rules call (617) 876-3691, fax (617) 661-0148, or write 711 Concord Ave., Cambridge, MA 02138.

The Laboratory for Archaeological Chemistry at the University of Wisconsin-Madison annual program of research award grants to graduate students in archaeology programs around the world. The staff strongly believes that major discoveries in archaeology in future years will come from laboratory investigations. In that light, the training of graduate students in analytical methods and their application is essential. This award is intended to further those goals. The awards are offered to support and encourage the application of chemical analyses in solving archaeological problems.

The Laboratory for Archaeological Chemistry has been involved in questions of archaeological interest for many years. The laboratory’s primary focus of research is the characterization of prehistoric bone, soils, and pottery. A variety of other materials including stone, dyes, organic residues, metals and glass are also investigated. Instrumentation includes an inductively coupled plasma atomic emission spectrometer for the rapid elemental characterization of a variety of materials with a resolution in parts per million and a Finnigan element inductively coupled plasma high-resolution mass spectrometer for isotopic and elemental characterization of many materials. This instrument incorporates laser ablation as a sample introduction technique appropriate for solids and for small or
Graduate Funding Opportunities (continued)

fragile samples. The lab also has access to a variety of other instrumentation and equipment on campus.

Applications should contain (1) a three-page letter from the applicant containing the specifics of the research and the analyses involved, (2) a curriculum vitae of the applicant, (3) a tentative table of contents for the dissertation, and (4) a letter of recommendation from the major advisor. The letter of application should contain detailed information on the research project, the kinds of analyses involved, the number of samples and analyses required, availability of samples with letter(s) of permission if appropriate, and a discussion of the importance of the analysis to the proposed research. The letter should provide a timetable for research and project completion. Discussions with the lab staff are recommended prior to application to ensure that the project meets award criteria and employs services available in the Laboratory for Archaeological Chemistry. There is no form for applications. Application deadline is January 1 for awards beginning September 1 of the same year.

Major criteria for selection will be the significance of the research question, feasibility of the project, and impact on the student and the field. The award will be made by the staff of the Laboratory for Archaeological Chemistry. One award will be made each year. It will consist of analytical services involving elemental or isotopic measurements available with Laboratory for Archaeological Chemistry instrumentation. The lab strongly encourages students to participate directly in the analyses in order to learn and understand the methods employed. The award will be announced March 15 each year. Awards should be appropriately acknowledged in any dissemination of results of the analyses. Copies of resulting publications should be provided to the Laboratory for our files.

Address questions and applications to T. Douglas Price or James H. Burton, Laboratory for Archaeological Chemistry, Univ. of Wisconsin-Madison, 1180 Observatory Drive, Madison WI 53706 USA; phones: (608) 262-2575 (Price), (608) 262-0367 (Burton), (608) 265-4216 (fax); e-mail: <tdprice@facstaff.wisc.edu> or <jburton@facstaff.wisc.edu>.

For further information on the Laboratory for Archaeological Chemistry, please see our website at <www.wisc.edu/larch/aclab/larch.htm>.

UPCOMING MEETINGS

June 20-23, 2004, western Turkey. Confronting Catastrophe in the Ancient World. Human development over the last 11,500 years (the Holocene) is set against an environmental backdrop of climatic and geological instability. The natural actions of sudden and dramatic climatic shifts and of extreme geophysical events ensure that nature in the ancient world was in flux, not balance. But what are the cultural resonances of rapid environmental change? How did past human communities adapt to and recover from a constantly moving and frequently harmful natural world? And, most critically, how can we disentangle the cultural consequences of natural change from those of human action? Addressing questions like these will be the aim of this interdisciplinary research conference. For info, visit the conference webpage: <http://www.ogu.edu.tr/~jeoloji/confcat/intro.htm> or e-mail Iain Stewart <istewart@geog.gla.ac.uk>.

June 26-28, 2004, Lawrence, KS. Biennial AMQUA meeting. A special post-meeting fieldtrip to Paleoindian sites will also be held.

July 4-7, 2004, Dalhousie University, Halifax, Nova Scotia, Canada. 3rd New World Luminescence Dating Workshop. Of interest to luminescence dating specialists, geomorphologists, Quaternary geologists, archaeologists, and museum researchers. We are currently seeking funding to offset partial travel costs for students presenting papers. Contact: Technical co-host, Mrs. P. Scallion, <pscallio@dal.ca>.


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September 23-26, 2004, University of Arizona, Tucson, AZ. Archaeological Sciences of the Americas. This event is intended to encourage regular and sustained collaboration between archaeologists, conservation scientists, natural scientists, and contract researchers engaged in the development of archaeological science in the Americas. This unique meeting will be hosted by graduate students in the Department of Anthropology at the University of Arizona. The Integrative Graduate Education and Research Traineeship (IGERT) Program in Archaeological Sciences at the University of Arizona will co-sponsor this event. The conference is open to researchers who make their home in the Americas. Researchers at all levels of experience and training are invited to participate. A special invitation is extended to colleagues from Canada, Mexico, Central America, and South America. Sessions will explore seven major topics in the field of archaeological science: 1) Catastrophes and Cultural Reaction, 2) Geoarchaeology, 3) Conservation Studies and Ephemeral Remains, 4) Spatial Analysis and Remote Sensing, 5) Chronometry, 6) Human-Environmental Interaction, and 7) Material Culture Studies.

Registration fees are $40 for professionals and $30 for students if received by August 1, 2004. Checks are to be made out to the University of Arizona Foundation. Please note that none of the application fee is tax deductible.

For more information, please visit our website at <http://w3.arizona.edu/~anthro/asa.shtml> or contact one of the organizing committee members: R. Emerson Howell (rhowell@email.arizona.edu), Kanani Paraso (paraso@email.arizona.edu), or AJ Vonarx (ajvonarx@email.arizona.edu). Monthly updates regarding conference-sponsored award competitions, lectures, workshops, fieldtrips, and social events will be available online as planning proceeds. Contact information for participant housing will also be posted on the site.

October 22-24, 2004, University of Bradford. The Prehistoric Ceramic Research Group and The Prehistoric Society Joint Conference. Conference theme: "Prehistoric Pottery: Recent Research." Please send offers of papers to Alex at <a.m.gibson1@bradford.ac.uk>.


June 5-10, 2005, Winnipeg and Regina, Saskatchewan. Canadian Quaternary Association (CANQUA). A mid-conference fieldtrip across the eastern Canadian Prairies will link the two venues. Various special and general sessions. Special session honouring Vic Prest. Info: CANQUA website <http://www.mun.ca/canqua/> or Co-Chairs D. Sauchyn <sauchyn@uregina.ca> or J. Teller <tellerjt@ms.umanitoba.ca>.

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SUBSCRIBING TO 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, Dept of Geoscience, 121 Trowbridge Hall, The University of Iowa, Iowa City, Iowa, USA, phone: (319) 335-1831, fax: (319) 335-1821, <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). Payment can be sent directly to: Subscription Dept., John Wiley & Sons, Inc., 605 Third Ave., New York, NY 10158. For subscription inquiries, please call 212-850-6645 or e-mail <SUBINFO@wiley.com>. U.S. members should include appropriate state sales tax. Canadian members should add 7% GST, which Wiley is obliged to collect.

CHANGE OF AGD NEWSLETTER EDITOR

It has been a pleasure to serve as Division news editor for the past few years. Working on behalf of the Division in this role has allowed me the chance to get to know many of our members much more personally. The Fall 2004 newsletter will mark the end of my 4th year as editor, and it is time to pass along the task to someone new with fresh ideas. Jennifer Smith has agreed to take on this role. Jennifer and I will be working together on the Fall newsletter, but please begin sending your contributions to her: Jennifer R. Smith, Department of Earth and Planetary Sciences, Washington University, Campus Box 1169, 1 Brookings Drive, St. Louis, MO 63130; (314) 935-9451 (office), (314) 935-7361 (fax); <jensmith@wustl.edu>.

Please remember that the newsletter is made better with your contributions. We have several established sections including “News from the Membership” and “Featured Research” which allow our members to highlight their activities. We also enjoy photos. If you have a good photo of a field trip or something interesting or fun that other members would enjoy, PLEASE SEND THEM TO JENNIFER!

Andrea Freeman
Secretary-Treasurer
Archaeological Geology Division

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 GSA 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 <mandel@falcon.cc.ukans.edu>.

SOCIETY FOR ARCHAEOLOGICAL SCIENCES

The SAS exists for the purpose of bringing together those concerned with natural science applications in archaeology. It sees its principal role as fostering communication and interdisciplinary collaboration and cooperation. Regular membership in the SAS includes a subscription to the Journal of Archaeological Science (published by Academic Press) as well as subscription to the SAS Bulletin. Regular membership is now $75/yr. For more information write: SAS, Membership, Radiocarbon Laboratory, University of California, Riverside, CA 92521.
ON THE WEB

Research Proposal preparation. Assistance for graduate students preparing research proposals can be found at the UCB Institute of International Studies website at <globetrotter.berkeley.edu>. The website is devoted to assisting graduate students prepare a doctoral dissertation research proposal with an eye to securing funding from various research agencies. This unique and exciting site has been developed with support from the Rockefeller Foundation. It offers much-needed assistance to students (and answers the most common questions) in thinking about preparing a research proposal and submitting it to the major social science and humanities funders (NSF, SSRC, Fulbright, and the major Foundations). Website: <http://globetrotter.berkeley.edu/DissPropWorkshop/>.

The International EPR (ESR) Society has a new website. The address is <www.ieprs.org>, but use <www.eprsociety.org> or <www.esrsociety.org> if that is easier for you to remember. Also, please check out the new EPR Society Newsletter website which is located at: <www.epr-newsletter.ethz.ch>.

NOTES

A Special Issue of Géographie Physique et Quaternaire (v56, nos2-3), featuring papers from the sessions at the 2002 Geological Association of Canada/Mineralogical Association of Canada conference in Saskatoon, has now been published! Nicknamed the "Drylands Issue", it is edited by Stephen Wolfe and Garry Running. The volume is dedicated to Peter David. Following the dedication by Michel Bouchard and Steve Wolfe and an introduction by Steve and Garry, the volume features 14 papers. Although the volume has just appeared, the publication date is 2002:


St. George, S., and E. Nielsen, Flood Ring Evidence and its Application to Paleoflood Hydrology of the Red River and Assinboine River in Manitoba; p. 181-190.


NEW BOOKS AND MONOGRAPHS


