

Sedimentary Geology Division

GEOLOGICAL SOCIETY OF AMERICA

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MESSAGE FROM THE CHAIR

As I write, my year as the Chair of the Sedimentary Geology Division is about to end. There have been many important “firsts” during my tenure. The Division finally revised and updated a set of Bylaws that were woefully out of date and not in line with its current procedures. With the help of our very able and helpful GSA Liaison, Barb Mieras, and our Webmaster Becky Dorsey, the Division set up an online voting procedure through GSA Headquarters that went remarkably smoothly. The membership overwhelmingly adopted the changes, which were later formally approved by the GSA Council.

On-line voting was also initiated by these same above-mentioned individuals in the recent election of Second Vice-Chair of the Division (see “Report of Election Results,” page 2). Although paper ballots were requested by a small subset of the membership (and provided by the Division), the overwhelming majority of votes cast were on-line.

This year, the Division also initiated, for the first time, a travel supplement of \$750 to assist the recipient of the Sedimentary Geology Division Student Grant-in-Aid-of-Research Award, so that he or she can attend the Annual meeting. This award is in addition to the \$1000 that the Division contributes as a student grant. This year’s student award recipient is Mr. Guillaume Dupont-Nivet of the Department of Geosciences at the University of Arizona, and the title of his project is “*Testing northward propagation of the Tibetan uplift by magnetostratigraphic dating in Eastern Tibet*”.

Yet another first is that this year’s Sloss Award for Sedimentary Geology will be awarded to an individual whose contributions are in the area of stratigraphy: Dr. Allison R. (Pete) Palmer of the Institute for Cambrian Studies, will be the fourth recipient of the Sloss Award, following in the footsteps of Bill Dickinson, George Klein, and Bob Dott.

Both Guillaume and Pete will be formally recognized at the Business Meeting and Awards Ceremony on Tuesday, 29 October in CCC A209 from 5:30-7:30 PM. Complimentary refreshments and snacks will be served at this meeting, and numerous door prizes awarded, which include donated items from GSA, SEPM, and the members of the Division Management Board. **I hope to see you there!**

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Message from the Chair (continued)

Our Management Board will continue with some new individuals, whom I would like to acknowledge and thank on behalf of the Division. The new officers for 2002-2003 will be: Doug Burbank, Carol de Wet, and Laura Crossey (see "Report of Election Results," below). Paul Link faithfully continues another year as Division Secretary-Treasurer, as does the Newsletter Editor, Mariana Rhoades. Some other members with important responsibilities include our Division representatives on the Joint Technical Program Committee Maya Elrick, Dan Larsen, and Kate Giles, and Nomination Committee members Ken Ridgway (chair), Brian Horton, and Lynn Soreghan. Members of the Sloss Award Committee include Bill Dickinson (chair), Gail Ashley, Margie Chan, George Klein, Bill Normark and Fred Read.

Much of this Newsletter summarizes events in Denver of special interest to Division members. We hope that the program encourages your attendance. Comments and suggestions regarding the program should be directed toward members of the Joint Technical Program Committee, or any members of the Management Board.

Our biggest immediate needs as a Division involve active participation by YOU! Mariana is always seeking good contributions to the Newsletter. Encourage students and professionals to join the Division; the more members, the more dues, the more money, the more awards, etc. Volunteer to participate on committees. Come to the Business Meeting and Awards Ceremony. Nominate distinguished sedimentary geologists for the Sloss Award.

My final words as Chair are repetitive, but worth emphasis. Become involved. The Division is only as strong and as active as its members. Contact me or other members of the Management Board. Be an active Sedimentary Geologist!

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REPORT OF ELECTION RESULTS FOR SECOND VICE CHAIR

I am pleased to report the results of the election for Second Vice-Chair of the Sedimentary Geology Division. **Dr. Laura Crossey of the University of New Mexico** was elected Second Vice-Chair. Her term of office begins at the end of the 2002 Annual Meeting in Denver. A total of 168 of the 814 voting members of the Division voted (20.6%), 151 online and 17 (11% of the votes cast) by paper. There were no write-ins; one voter abstained.

Biographical Sketch: Laura J. Crossey

Laura Crossey obtained a Bachelor's degree in Geology from the Colorado College in Colorado Springs, CO in 1977. She received a Master's degree focusing on basalt trace element geochemistry from Washington University in St. Louis, MO in 1979. She obtained her Ph.D. from the University of Wyoming in the area of sedimentary geochemistry in 1985. She has been at UNM since 1986 and is currently a Professor and Associate Chair in the Department of Earth & Planetary Sciences at the University of New Mexico, with over 100 published papers and abstracts in the area of diagenesis, aqueous geochemistry and geology. She was appointed as Regents' Lecturer for UNM (1997-99), and served as Associate Dean of the College of Arts & Sciences from 1997-2000. She was a Distinguished Lecturer for the AAPG in 1995-97. She has recently served as Associate Editor for both *Geology Magazine* and the *Geological Society of America Bulletin*. She has been an SEPM member since 1988 and is currently Special Publications Editor for SEPM (2001-2004). She served on the Membership and Nominating Committees (1990-91), and has been Vice-Chair (1993-94) and Chair (1994-95) of the Clastic Diagenesis Research Group, contributed to SEPM Short Course #17 (**Relationship of Organic Matter and Mineral Diagenesis**), SEPM Special Publication #47 (**Origin, Diagenesis, and Petrophysics of Clay Minerals in Sandstones**, eds. E. Pittman and D. Houseknecht), and edited an SEPM Special Publication (**Diagenesis and Fluid Flow: Concepts and Applications**, with B. Loucks and M. Totten) in 1996. She has served on the GSA Joint Technical Program Committee representing the Sedimentary Geology Division (1996-1998).

GSA ANNUAL MEETING 2002 PROGRAMS

GSA PRESIDENTIAL ADDRESS AND AWARDS CEREMONY

Sun., Oct. 27, 4-6 p.m., Ballroom 2-3, Colorado Convention Center

Join us Sunday when President Tony Naldrrett will be speaking and distributing the 2002 Annual Meeting Awards. Stay tuned for more information about Tony's topic of discussion. Awardees of the Penrose Medal, the Arthur L. Day Medal, the Donath Medal, the GSA Public Service Award, and the GSA Distinguished Service Award, as well as the newly elected Honorary Fellows, will be recognized. Come and honor your fellow geoscientists - the awardees and Honorary Fellows - at this ceremony. Be sure to stay for great networking opportunities at the **Welcome Party** in the Exhibit Hall from 6-8 p.m.

EXHIBITS OPENING AND WELCOME PARTY

Sun., Oct. 27, 6-8 p.m., Exhibit Halls A and B, Colorado Convention Center

Come and kick off the Grand Opening of the 2002 GSA Annual Meeting and Exposition in the Exhibit Hall right after the Presidential Address. The Welcome Party proves to be a great networking time with colleagues and friends and a good opportunity to view the exhibits and enjoy your favorite beverage.

TOPICAL AND DISCIPLINE SESSIONS

T6 Chemostratigraphy: An Emphasis on Metal-Rich Black Shale Deposits

Department of Geography and Environmental Planning, Elmhurst College, GSA Sedimentary Geology Division, Society for Sedimentary Geology

Richard B. Schultz, Elmhurst College, Elmhurst, Ill. ORAL and POSTER. Economic Geology; Stratigraphy; Geochemistry; Organic

T25 Modern and Ancient Tidal Flats Reflecting Environmental and Climate Changes for Past and Future

GSA Sedimentary Geology Division, Society for Sedimentary Geology

Nora Noffke, Old Dominion University, Norfolk, Va. ORAL. Environmental Geoscience; Paleoclimatology/Paleoceanography; Paleontology/Paleobotany

T28 Geochemical and Mineralogical Records from Ancient Lake Sediments

GSA Sedimentary Geology Division; GSA Limnogeology Division.

Daniel M. Deocampo, Smithsonian Institution, Washington, D.C.; Robin W. Renaut, University of Saskatchewan, Saskatoon, Saskatchewan, Canada. ORAL and POSTER. Geochemistry, Aqueous; Sediments, Carbonates; Sediments, Clastic

T55 Geophysical Evaluation of Aquifer Properties

GSA Hydrogeology Division; GSA Sedimentology Geology Division; GSA Geophysics Division. Jo

Leslie Eimers, U.S. Geological Survey, Raleigh, N.C.; Gary S. Weissmann, Michigan State University, East Lansing, Mich.; Gregory S. Baker, University at Buffalo, Buffalo, N.Y.; Frederick Stumm, U.S. Geological Survey, Coram, N.Y.; Frederick L. Paillet, Littleton, Colo. ORAL. Hydrogeology; Geophysics/Tectonophysics/Seismology

T60 Rivers in Karst: Process and Applications

GSA Hydrogeology Divisions; Karst Waters Institute; GSA Sedimentary Geology Division; GSA Quaternary Geology and Geomorphology Division.

Ira D. Sasowsky, Office for Terrestrial Records of Environmental Change, Akron, Ohio; Gregory S. Springer, Colorado, State University, Fort Collins, Colo. ORAL and POSTER. Hydrogeology; Quaternary Geology/Geomorphology; Paleoclimatology/Paleoceanography

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GSA Annual Meeting Topical and Discipline Sessions (continued)**T70 Antarctica During the Neogene**

GSA Sedimentary Geology Division, Society for Sedimentary Geology.

Allan C. Ashworth, North Dakota State University, Fargo, N. Dak. ORAL.

Paleoclimatology/Paleoceanography; Paleontology/Paleobotany; Stratigraphy

T73 Global Biogeochemical Change During PETM Events

GSA Geobiology and Geomicrobiology Division; GSA Sedimentary Geology Division, Society for Sedimentary Geology.

Gerald R. Dickens, Rice University, Houston Tex.; Lisa C. Sloan, University of California, Santa Cruz, Calif. ORAL and POSTER. Paleoclimatology/Paleoceanography; Paleontology/Paleobotany;

Stratigraphy

T80 New Frontiers in the Fossil Record of Insects and Terrestrial Arthropods

GSA Geobiology and Geomicrobiology Division; GSA Sedimentary Geology Division, Society for Sedimentary Geology.

Robert Nelson, Colby College, Waterville, Me.; Cary Easterday, Columbus Ohio. ORAL and POSTER. Paleontology/Paleobotany; Stratigraphy

T101 Interdisciplinary Approaches to Understanding Soil and Vadose Zone Hydrology of Saprolite: Integration of Hydrogeology, Sedimentology, Geomorphology, Pedology, and Biology

GSA Hydrology Division; GSA Sedimentary Geology Division; SEPM-Society for Sedimentary Geology; GSA Quaternary Geology and Geomorphology Division.

Steven G. Driese and Larry D. McKay, University of Tennessee, Knoxville, Tenn. ORAL.

Hydrogeology; Quaternary Geology/Geomorphology; Sediments, Clastic

T102 Post-Laramide Uplift and Erosion of the Rocky Mountains and Colorado Plateau

GSA Sedimentary Geology Division.

Joel L. Pederson, Utah State University, Logan Utah; Frank J. Pazzaglia, Lehigh University, Bethlehem, Penn. ORAL and POSTER. Quaternary Geology/Geomorphology; Tectonics; Geophysics; Tectonophysics; Seismology

T107 New Perspectives on Chert, Its Origin, Diagenesis, and Economic Significance

GSA Sedimentary Geology Division, Society for Sedimentary Geology.

James P. Rogers, Consultant, Aurora, Colo.; Mark W. Longman, Lakewood, Colo. ORAL. Sediments, Carbonates; Sediments, Clastic; Geomicrobiology

T108 The Green River Formation Revisited: Crucible for New Concepts and Advances in Paleoclimatology, Tectonics, Chronostratigraphy, Sequence Stratigraphy, Isotope Geochemistry, and Paleontology

International Association of Limnogeologists; GSA Sedimentary Geology Division, Society for Sedimentary Geology.

H. Paul Buchheim, Loma Linda University, Loma Linda, Calif.; Alan R. Carroll, University of Wisconsin, Madison, Wis; Arvid Aase, Fossil Butte National Monument, Kemmerer, Wyo. ORAL and POSTER. Sediments, Carbonates; Paleontology/Paleobotany; Paleoclimatology/Paleoceanography

T109 Deltas-Old and New

GSA Sedimentary Geology Division.

Janok P. Bhattacharya, University of Texas at Dallas, Richardson Tex.; Liviu Giosan, Woods Hole Oceanographic Institution, Woods Hole, Mass. ORAL. Sediments, Clastic; Marine/Costal Science; Environmental Geoscience

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GSA Annual Meeting Topical and Discipline Sessions (continued)**T110 Tectonics, Climate Change, and the Late Cenozoic Evolution of the Rocky Mountains, Colorado Plateau, and Western Great Plains***GSA Sedimentary Geology Division.*

Margaret E. McMillan, University of Wyoming, Laramie, Wyo.; Catherine Riihimaki, University of California, Santa Cruz, Calif. ORAL. Stratigraphy; Tectonics; Quaternary Geology/Geomorphology

T126 Reconstructing the Cambrian World: Temporal and Spatial Changes in Physical and Biotic Environments*GSA Sedimentary Geology Division, Society for Sedimentary Geology.*

Ed Landing, New York State Museum, Albany, New York; Gerd Geyer, Universität Würzburg, Germany. ORAL. Paleontology/Paleobotany

**ORIGIN, RAISING, AND UNROOFING OF THE ROCKY MOUNTAINS:
Two-Day Mini-Symposium**

The following topical sessions have been combined into a Mini-Symposium at the GSA Annual Meeting. Do look for slight time changes and schedule variations when checking into the annual meeting, if you are interested in this symposium. The topical sessions:

- T72** Geologic records of paleoelevation
- T102** Post-Laramide uplift and erosion of the Rocky Mountains and Colorado Plateau
- T110** Tectonics, climate change, and the late Cenozoic evolution of the Rocky Mountains, Colorado Plateau, and western Great Plains
- T117** Lithospheric structure and evolution of Rocky Mountain region, from deep mantle to mountain tops

Contact Frank Pazzaglia by email at flp3@lehigh.edu or at (610) 758-3667.

SEPM 2002 CARBONATE RESEARCH GROUP MEETING**Tuesday, October 29, 2002; 7:00 -10:00 PM**

Place: Colorado Conference Center, Room A207

Directly after the GSA Sedimentary Geology Division meeting

Co-chairpersons: Kate Giles (New Mexico State University), Evan Franseen (Kansas Geological Survey), and Lynn Soreghan (University of Oklahoma)

The meeting will open with its usual mixer and cash bar, opening announcements and remarks to the group by the Co-Chairs, followed by several short oral presentations by carbonate researchers and ending with poster presentations and open discussion. Jerry Friedman will have a display of recent issues of the journal *Carbonates and Evaporites*.

The theme for the presentations this year is "*New Applications of geochemistry or new Methods of Geochemical Analysis as applied to Carbonate Research*".

Oral Presentations

Greg Ludvigson, University of Iowa: "*Terrestrial-Marine Chemostratigraphic Correlations of Early Cretaceous Palustrine Carbonates*".

Poster Presentations

Chuck Holmes, United States Geological Survey "*Laser-Ablation-icp/ms Analysis of Atlantic Corals*".

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SEPM 2002 Carbonate Research Group Meeting Poster Presentations (continued)

Ben Rostron, University of Alberta: *"A New Method of Measuring Br, Cl, Na, and I in Formation Waters Using Epithermal Neutron Activation Analysis"*.

Martin Wilding, Dawn Sumner, Charles Leshner (Geology Department, UC Davis, Davis, CA) and Kevin Shields, David Reap, and Wade Richards (McClellan Nuclear Radiation Center, Sacramento, CA): *"Neutron computed tomography of microbial structures in carbonate and silicate rocks"*.

**GEOMORPHIC AND WATERSHED IMPACTS OF WILDLAND FIRE:
CONCEPT SUMMARY**

This summer, GSA experienced a dramatic response to Session T100, Geomorphic Impacts of Wildfire, to be held at the GSA 2002 Annual Meeting in Denver. The Topical Session was proposed by scientists from the USGS and the USDA Forest Service and features two oral sessions with some 27 abstracts and a third session with 18 poster presentations. The papers address broad topics of recognition and geomorphic consequences of wildfire in several geologic time periods; debris flow and erosion hazards; soil geochemistry and emergency water management techniques. In addition, papers on forest management techniques, erosion prevention and reseeded and rehabilitation are offered. Scientists and professionals from the geoscience, forest science, engineering and environmental consulting communities in the U.S., U.K. and Europe will present their work.

GSA's Annual Program Committee noted the enthusiastic reception to T100 at its meeting in early August 2002. Following APC's meeting, GSA's Executive Committee approved APC's suggestion that GSA investigate the feasibility of holding a follow-on conference in 2003 and producing appropriate publications on the topic of geomorphic and watershed impacts of wildland fire.

T100 Geomorphic Impacts of Wildfire

GSA Quaternary Geology and Geomorphology Division

Frederick J. Swanson, USDA Forest Service, Corvallis, Ore.; Jon J. Major, U.S. Geological Survey, Vancouver, Wash. POSTER. Quaternary Geology/Geomorphology; Geomicrobiology; Geochemistry, Other

Conference and Related Publications

The aim is to build upon and expand on the demonstrated interest shown in T100. In concept, GSA would work with a select group of federal and state agencies as well as other societies and associations to convene a conference and produce related publications that take a broad, integrated scientific view of the impacts of wildland fire, including debris flow and erosion hazards, soil geochemistry, emergency water management techniques, erosion prevention, consequences for water providers, wildlife considerations and reseeded and rehabilitation.

The preliminary target date for the meeting is June 8-11, 2003, and Keystone Conference Center has been identified as a potential location. The early June date precedes the fire season, and would allow field trips to the nearby Hayman site, Cheesman Reservoir and areas burned several years ago. For preliminary planning purposes, attendance of 400 and registration fees of \$400 have been selected.

GSA plans to begin promotion of this meeting with an announcement at its Annual Meeting, October 27-30, 2002 in Denver.

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Geomorphic & Watershed Impacts of Wildland Fire: Concept Summary (continued)

Mission

Taking a leadership stance to offer a comprehensive, integrated, interdisciplinary look at the impacts and consequences of wild land fire is an excellent way for GSA to actively meet its mission of applying geoscience knowledge and insight to human needs and aspirations and stewardship of the Earth. GSA has a responsibility to its members and its community to provide leadership and to recognize and create opportunities or importance for future research. This initiative proposes to benefit GSA members and its broader scientific community by expanding on the interest shown in the Annual Meeting Session, partnering with other interested agencies and organizations and acting as the agent to convene a broad-based consideration of the topic of impacts of wildland fire.

Partners

The best way to implement this initiative is in partnership with others. Initial contacts have been made with the lead conveners of T100, USGS and the American Water Works Association. It is expected that these groups will identify other organizations that should be included in planning or as partners. To date, other potential partners identified are: International Association of Wildland Fire, USDA Forest Service, FEMA, BLM, BIA, NPS and EPA. The interests of the individual organizations will define a range of collaborative opportunities that will be fully considered.

For Objectives, Planning Overview, and Additional Information:

Diane Matt, CAE, Director of Strategic Partnerships, The Geological Society of America
3300 Penrose Place, P.O. Box 9140, Boulder, Colorado; (303)-357-1014 Direct Line;
dmatt@geosociety.org

2003 SOUTH-CENTRAL – SOUTHEASTERN GSA MEETING

Listed below are sessions and field trips that might be of interest to a broad spectrum of sedimentary geologists. Information about this meeting (and all of the 2003 GSA Section meetings) can be accessed through the GSA website at: www.geosociety.org

Symposium 2. A 21st Century Look at the Cretaceous Coon Creek Formation. Stan Dunagan and Michael Gibson, University of Tennessee at Martin (Dunagan), (731) 587-7430, dunagans@charter.net; (Gibson) (731) 587-7435, mgibson@utm.edu

Theme Session 10. Coastal plain stratigraphy of the southeastern United States. Charles Swann, University of Mississippi, (662) 915-7320, cts@mmri.olemiss.edu

Field Trip 3. Mississippian-Pennsylvanian deep-water depositional systems and related structure of the Ouachita Orogen. Sun. to Wed., March 9-12. Arnold Bouma and Roy Dokka, Louisiana State University, rkdokka@c4g.lsu.edu. Max.: 30; Min.: 15. Cost \$290.

Field Trip 4. Sedimentology, Stratigraphy, Paleontology, and History of Cretaceous Coon Creek Formation of Western Tennessee. Fri. and Sat., March 14 & 15. Michael Gibson and Stan Dunagan, University of Tennessee at Martin, (Gibson) mgibson@utm.edu; (Dunagan) sdunagan@utm.edu. Max.: 40; Min.: 26. Cost \$140.

Field Trip 6. Waulsortian-like bioherms of the Maury and Fort Payne Formations, Tennessee. Fri. to Sun., March 14-16. Frank Stapor and Larry W. Knox, Tennessee Technological University, fstapor@tntech.edu. Max.: 12; Min.: 8. Cost \$120, meals not included.

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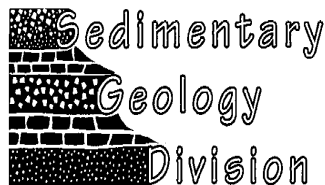
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