



Sedimentary
Geology
Division

GEOLOGICAL SOCIETY OF AMERICA

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MESSAGE FROM THE CHAIR

As this newsletter reaches you, the GSA Annual Meeting in Seattle is rapidly approaching. This year, the Sedimentary Geology Division is sponsoring over twenty topical sessions ranging in focus from clinoforms, sabkhas, and brines to the innovative usage of isotopes and applications of new techniques such as ground penetrating radar.

Graduate students may want to participate in the free short course entitled “Sequence Stratigraphy for Graduate Students” that will be taught by expert practitioners from ExxonMobil and BP on Friday and Saturday prior to the meeting. Come find out about disconformities between students and the impacts of transgressions!

I bring to your attention several of the focused sessions that may be of particular interest to you. For example, the Sedimentary Geology Division is sponsoring two Pardee symposia: “The Paleoenvironmental and Paleoclimatic Framework of Human Evolution,” and “Neoproterozoic Geobiology: Fossils, Clocks, Isotopes, and Rocks.” The ability to span between billion-year and million-year time scales is one of sedimentary geology’s strengths.

Noontime “Hot Topics” sessions will focus on:

- *Sustainability, Energy Alternatives, and Dependency on Mideastern Petroleum Reserves,*
- *Public Education: What is the Role of the Scientist in Influencing the Teaching of Evolution vs. Creationism vs. Intelligent Design?,* and
- *Natural Hazards of the Pacific Northwest.*

The perspective provided by sedimentary geology is relevant to each of these hot topics. With respect to natural hazards in the Northwest, stratigraphy and sedimentology at the decadal- to thousand-year time scale have been integral components in the successful unraveling of the history of seismic and volcanic events. For example, the stratigraphic record of abrupt drowning of coastal forests was a key to initial recognition of both the existence of large-scale co-seismic subsidence and the potentially devastating impact of large earthquakes in the Pacific Northwest. The recently studied stratigraphy of regionally synchronous seismogenic turbidites has yielded a long-term record of major earthquakes in the Cascadia subduction zone. Reliable interpretation of every paleoseismic trench log relies on the ability to distinguish between “normal” sedimentary processes and deposits and those that indicate a seismic imprint. Similarly, the sedimentological distinction between glacial tills and lahars underpins informative reconstructions of the magnitude and extent of destructive mudflows emanating from the flanks of Cascadian volcanoes.

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Our Sedimentary Geology Division Annual Meeting and Awards ceremony will be held Tuesday evening from 5:45-7 PM in Rooms 618/619/620 at the Convention Center. **Everyone** (graduate students, researchers, presidential candidates, ...) is invited to attend. Although we will conduct a brief amount of business, the bulk of the ceremony provides time for socializing, discussing the most recent cutting-edge advances in sedimentary geology and the latest trends in funding opportunities, enjoying some snacks and liquid refreshment, and honoring this year's Division awardees.

The 2003 Laurence L. Sloss Award for Sedimentary Geology will be presented to Robert Weimer, Professor *emeritus* of Geological Engineering at the Colorado School of Mines and member of the National Academy of Engineering. A preeminent figure in the exploration of energy resources, Professor Weimer is known as an outstanding lecturer and teacher, as well as a persuasive advocate for an informed national strategy that integrates energy exploration, utilization, and conservation to meet present and future needs.

This year's Sedimentary Geology Division Student Research Grant award will be presented to Jennifer Flight of Montana State University. Ms. Flight, a graduate of Dartmouth College, is currently pursuing a M.S. degree under the guidance of Professors James Schmitt and David Bowen. The aim of her project is to develop a detailed sequence stratigraphic analysis of the uppermost Cretaceous Hell Creek Formation (NE Montana) where persistent paleontological debate has hinged on the correlation and interpretation of key fossil locales. A reliable chronostratigraphic framework will facilitate testing of several key evolutionary hypotheses. By utilizing the laterally extensive exposures in her study area, Ms. Flight also hopes to assess the success with which sequence stratigraphic methodologies can be reliably applied to terrestrial strata.

I am pleased to report the results of the election of the coming year's officers for SGD. Fortunately, Paul Link was re-elected as Secretary-Treasurer, so we have both continuity in our finances and some Division "memory". Dr. Chris Paola was elected as our incoming "Second Vice-Chair" in SGD. His term will begin at the end of the Fall meeting in Seattle. From Chris's biographical sketch (see below), one can glean the breadth and innovation that have characterized his research career. His present role as co-director of the National Center for Earth-Surface Dynamics (a NSF-supported Science and Technology Center) places him at the nexus of much exciting research at the interface between surface processes, sediment dynamics, and the stratigraphic record.

Christopher Paola. Education: Lehigh Univ, BS; Univ Reading (UK), MSc; MIT/WHOI, ScD. Prof Exp: Univ Minnesota - Minneapolis (83-present), Co-Director Natl Ctr for Earth-Surface Dynamics (02-present), Assoc Dir St. Anthony Falls Lab (95-pres); USGS Cascades Volcano Observatory (88-90). Prof Affil: GSA (since 84; Fellow 98); AGU, SEPM, IAS. Rsrch Int: Fluvial sedimentology & stratigraphy; basin dynamics; stream braiding & vegetation effects. Goals while serving as an SGD officer: Promote linkages and communication between sedimentary geology and allied fields, both traditional (e.g., geomorphology, paleontology) and nontraditional (e.g., engineering, geophysics, ecology, and mathematics); promote unity among various approaches to sedimentary geology (field, laboratory, theoretical); help foster a more cohesive sedimentary geology community; help communicate the excitement of sedimentary geology to other areas of the Earth sciences.

I look forward to seeing many of you in Seattle. Bring your energy, ideas, and friends to our Awards Ceremony, and enjoy the wealth of stimulating sessions related to Sedimentary Geology.

Doug Burbank,
SGD Chair

NEW GSA FELLOWS in the SEDIMENTARY GEOLOGY DIVISION

The following members of the Sedimentary Geology Division were named GSA Fellows by Council on May 3, 2003: **Jay M. Gregg, Timothy F. Lawton, Isabel P. Montanez, Donald W. Neal, and Bruce M. Simonson.** Congratulations to all.

GSA ANNUAL MEETING

GSA PRESIDENTIAL ADDRESS & AWARDS CEREMONY

Sunday, November 2, 2003, 4-6 p.m.

Washington State Convention & Trade Center, Ballroom 6B

Join us Sunday when President Clark Burchfiel gives his Presidential Address and distributes the 2003 Awards and Medals. Also, come honor your fellow geoscientists, the awards recipients, and the Honorary Fellows at the Presidential Address and Awards Ceremony. Be sure to stick around for great networking opportunities at the Welcoming Party, 6-8 p.m. in the Exhibit Hall.

EXHIBITS OPENING & WELCOMING PARTY

Sunday, November 2, 2003, 6-8 p.m.

Washington State Convention & Trade Center, Exhibit, Hall 4AB

Come enjoy the Grand Opening of the 2003 GSA Annual Meeting & Exposition. This kickoff event will be in the Exhibit Hall following the Presidential Address.

EXHIBIT HALL HOURS

Sunday, Nov. 2	Exhibits Opening & Welcoming Party	6:00 p.m. – 8:00 p.m.
Monday, Nov. 3	9:00 a.m. – 5:30 p.m.
Tuesday, Nov. 4	9:00 a.m. – 5:30 p.m.
Wednesday, Nov. 5	9:00 a.m. – 2:00 p.m.

NEW! Exhibits Close on Wed., Nov. 5 at 2 p.m.

SEDIMENTARY GEOLOGY DIVISION

MANAGEMENT BOARD MEETING

Tuesday, November 4, 2003, 8:00 a.m. to 12 noon.

Location: WSCTC (the Convention Center), Room 209

Please let Doug Burbank know if you plan to attend, if there are agenda items that you would like to discuss, and if you would like to be there for a particular time and /or issue. E-mail Doug at <burbank@crustal.ucsb.edu>.

GSA MEETING FIELD TRIPS

ATTENTION STUDENTS! The **GSA SEDIMENTARY GEOLOGY DIVISION** is cosponsoring a few field trips and will subsidize all students who are valid Sedimentary Geology Division members (see individual trip descriptions for sponsorship information). Students must pay the full field trip fee when registering but will be reimbursed \$100 after the GSA meeting by the Sedimentary Geology Division. To be reimbursed, students must apply in writing to Paul K. Link, Dept. of Geology, Box 8072, Idaho State Univ., Pocatello, ID 83209-8072, (208) 282-3365, linkpaul@isu.edu.

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FIELD TRIP CANCELLATION DEADLINE IS OCTOBER 3. No refunds will be given after this date. If GSA must cancel a field trip due to logistics or below-minimum registrations, a full refund will be issued to you after the meeting. Be aware of flight-change penalties imposed by the airlines. Plan alternatives in advance should the trip you are registered for be cancelled.

FOR MORE FIELD TRIP INFORMATION: Contact the field trip leader or the 2003 field trip chair, Terry Swanson, Dept. of Earth and Space Sciences, University of Washington, Seattle, WA 98195, (206) 543-1923, fax 206-543-0489, tswanson@u.washington.edu.

PRE-MEETING FIELD TRIPS

3. Sequence Stratigraphy of the Sauk Sequence: 40th Anniversary Field Trip in Western Utah [403]

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Wed-Sat, Oct 29-Nov 1. Cosponsored by *GSA Sedimentary Geology Division*. Kevin Evans, Dept of Geography, Geology, and Planning, Southwest Missouri State Univ, Springfield, MO 65804, (417) 836-5590, fax 417-836-6006, kre787f@smsu.edu; Jim Miller, Ben Dattilo. Min.: 10. Max.: 30. Cost: \$295. *Begins and ends in Salt Lake City, Utah*. We will examine key exposures in the House and Confusion ranges and discuss processes and models for tectonic and sedimentological evolution of the western miogeocline (see Sloss, 1963).

5. Wine and Geology -- The Terroir of Washington State [405]

.....
Thurs-Fri, Oct 30-31. Cosponsored by *Society of Economic Geologists*. Lawrence D. Meinert, Dept of Geology, Washington State Univ, Pullman, WA 99164-2812, (509) 335-2261, fax 509-335-7816, meinert@wsu.edu; Alan J. Busacca. Min.: 12. Max.: 44. Cost: \$315. The topic is the geologic setting of some of Washington's best vineyards and wineries, including the Red Mountain, Walla Walla, and Yakima Valley appellations. We will examine some of the world's better exposures of glacial slackwater sediments (which underlie most of the vineyards), flood basalts, and one of the world's largest wind turbine farms, ending the day with dinner at a beautiful winery.

6. Coastal Evolution, Dynamic Shoreline Processes, and Beach Management Controversies of the Columbia River Littoral Cell, Southwest Washington and Northern Oregon [406]

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Thurs-Sat, Oct 30-Nov 1. Cosponsored by *GSA Sedimentary Geology Division*. Sandy Vanderburgh, Dept of Geography, Univ College of the Fraser Valley, 33844 King Road, Abbotsford, BC V2S 7M8, (604) 504-7441, ext 4336, fax 604-855-7558, vanderburghs@ucfv.bc.ca; Guy Gelfenbaum; Curt Peterson; Harry Jol; Jim Phipps. Min.: 12. Max.: 40. Cost: \$415. Participants will tour one of the most dynamic coastal systems in the world. Numerous sites throughout the Columbia River Littoral Cell of the United State's Pacific Northwest coast between Point Grenville, Washington, and Tillamook Head, Oregon, will be visited. Aspects of barrier beach plain evolution, regional scale coastal processes, and tectonics will be examined and related to resource management and land-use planning.

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11. Regional Tertiary Sequence Stratigraphy and Regional Structure on the Eastern Flank of the Central Cascade Range, Washington [411]

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 Fri-Sat, Oct 31-Nov 1. Cosponsored by *GSA Sedimentary Geology Division*; Northwest Geological Society. Eric S. Cheney, Dept of Earth & Space Sciences, Univ of Washington, Box 351310, Seattle, WA 98195, (206) 543-1190, fax 206-543-0489, vaalbara@u.washington.edu. Min.: 7. Max.: 21. Cost: \$245. Trip examines the formerly enigmatic stratigraphy of the few km-thick Eocene non-marine arkosic rocks of the Swak fm and other Eocene, Miocene, and Pliocene formations. The sequences reveal a northeasterly verging fold and thrust belt extending from Yakima to Seattle and the late Neogene Cascade Range anticline.

13. Holocene Lahars Along the White River Between Mount Rainier & Seattle [413]

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 Sat, Nov 1. Cosponsored by *GSA Sedimentary Geology Division*. Paul Zehfuss, Dept of Earth and Space Sciences, Univ of Washington, Box 351310, Seattle, WA 98195-1310, (206) 543-6229, fax 206-685-2379, pzehfuss@u.washington.edu. Cost: \$140. Sandy lahars from Mt. Rainier and sediments derived from them have filled an arm of Puget Sound in the 5000-6000 years since the Osceola mudflow. The filling occurred episodically, as shown by facies and ages of terrace deposits along the White River, channel fills in Kent, and a delta that prograded across the Seattle fault.

15. Pleistocene Tephrostratigraphy and Paleogeography of Southern Puget Sound Near Olympia, Washington [415]

.....
 Sat, Nov 1. Cosponsored by *GSA Sedimentary Geology Division*. Timothy J. Walsh, Washington DNR, Division of Geology and Earth Resources, PO Box 47007, Olympia, WA 98504-7007, (360) 902-1432, fax 360-902-1432, tim.walsh@wadnr.gov. Cost: \$210. Southern Puget Sound has more than 1000 feet of Quaternary sediment, most of which is radiocarbon-infinite. Travel by boat to visit 200-foot coastal bluff exposures, where interbedded tephros from Mount Rainier and Mount St. Helens are critical to unraveling a glacial and interglacial stratigraphy and paleogeography quite different from what is exposed farther north.

~Cancelled: Premeeting Field Trip #1, Island and Coastal Hydrogeology of Hawaii [401].~

SOCIETY OF ECONOMIC GEOLOGISTS FIELD TRIP

Hydrothermal Alteration in Ancient and Modern Volcanoes, Mount Rainier Area: Applications to Ore Genesis and Volcanic Hazards

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 Thurs, Nov 6. Sponsored by *Society of Economic Geologists*. Leaders: David John, Roger Ashley, James Vallance, and James Rytuba, U.S. Geological Survey; Grant Newport, Weyerhaeuser Corp. Max.: 35. Cost: Before October 3, \$95 SEG members, \$125 nonmembers, \$45 students; after October 3, \$125 SEG members, \$155 nonmembers, \$55 students. Includes transportation, lunch, refreshments, and a guidebook. Preregistration required; download registration form and pay by credit card at <www.segweb.org/GSAFieldTripReg.pdf>, or send a check, payable to Society of Economic Geologists, 7811 Shaffer Parkway, Littleton, CO 80127; (720) 981-7882, fax 720-981-7874, seg@segweb.org, www.segweb.org/GSAFieldTrip.htm. Hydrothermal alteration is widespread in Tertiary and Quaternary igneous rocks of the Cascades

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arcs of Washington. Most alteration in the Tertiary Western Cascades arc resulted from hydrothermal systems related to small plutons, some of which formed porphyry copper and related deposits. Hydrothermal alteration of several Quaternary stratovolcanoes resulted in severely weakened volcanic edifices that were susceptible to failure and catastrophic landslides. Most notable is the 5600 yr B.P. clay-rich Osceola Mudflow that traveled 120 km down-valley from Mount Rainier to Puget Sound, covering about 200 km². In the morning, we will examine high-level alteration related to a large, early Miocene magmatic-hydrothermal system exposed near Enumclaw, Washington, where advanced argillic alteration is being quarried for silica. The afternoon will be spent examining the Osceola Mudflow and other Holocene lahars from Mount Rainier that contain abundant clasts and matrix material of hydrothermally altered Quaternary rocks from Mount Rainier.

PARDEE KEYNOTE SYMPOSIA: INVITED PAPERS

The Pardee Keynote Symposia are made possible by a grant from The Joseph T. Pardee Memorial Fund. These Pardee Keynote sessions are special events of broad interest to the geoscience community. They represent hot issue topics on the leading edge in a scientific discipline or area of public policy, address broad fundamental issues and are interdisciplinary. Selection was on a competitive basis. This year's seven Pardee Keynote sessions were reviewed and accepted by the Annual Program Committee. (All speakers are invited.)

P4. Neoproterozoic Geobiology: Fossils, Clocks, Isotopes, and Rocks

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GSA Geobiology and Geomicrobiology Division; Paleontological Society; Geochemical Society; Precambrian (at large); GSA Sedimentary Geology Division. Shuhai Xiao, Tulane University, New Orleans, LA; Alan J. Kaufman, University of Maryland, College Park, MD. Wednesday, November 5, 8 a.m.-Noon. Sedimentologists, paleontologists, geochemists, and earth system modelers are brought together to present new data and modelers (stimulated by the "snowball Earth" hypothesis) on the Neoproterozoic Earth, in order to better understand the relationship between tectonic, climatic, and biological change at the end of the Proterozoic Eon.

P6. The Paleoenvironmental and Paleoclimatic Framework of Human Evolution

.....
GSA Archaeological Geology Division; GSA Quaternary Geology and Geomorphology Division; GSA Sedimentary Geology Division; Society for Sedimentary Geology (SEPM). Gail M. Ashley, Rutgers University, Piscataway, NJ; Craig S. Feibel, Rutgers State University, New Brunswick, NJ. Monday, November 3, 8 a.m.-Noon. Recent discoveries and established facts regarding the paleoenvironment and paleoclimatic context of human evolution will be examined with the goal of shedding some light on the puzzle of human origins.

TOPICAL & DISCIPLINE SESSIONS: Invited and Volunteered Papers

T5. Terroir, Geology, and Wine: A Tribute to Simon J. Haynes

.....
Society of Economic Geologists sponsored. Economic Geology; Quaternary Geology-Geomorphology; Remote Sensing-Geographic Info System [GIS]. Lawrence D. Meinert, Washington State; University, Pullman, WA. ORAL

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T 13. Cathodoluminescence of Quartz in Hydrothermal Ore Deposits

.....
Society of Economic Geologists sponsors. Economic Geology; Geochemistry, Aqueous; Geochemistry, Other. Brian Rusk, University of Oregon, Eugene, OR. ORAL and POSTER

T 26. Quantitative Modeling of Petroleum Systems and Basin Processes

.....
Geochemical Society; GSA Sedimentary Geology Division; Society for Sedimentary Geology sponsored. Geochemistry, Organic; Hydrogeology; Geochemistry, Aqueous. Kenneth E. Peters, U.S. Geological Survey, Menlo Park, CA; Martin B. Goldhaber, U.S. Geological Survey, Denver, CO. ORAL

T 41. Innovative Approaches to Teaching Sedimentary Geology Courses

.....
GSA Geoscience Education Division & Sedimentary Geology Division; National Association of Geoscience Teachers sponsored. Geoscience Education; Sediments, Clastic; Sediments, Carbonates. Karen Grove, San Francisco State U., San Francisco, CA; Marjorie A. Chan, U. of Utah, Salt Lake City, UT; R. Heather Macdonald, College of William and Mary, Williamsburg, VA. ORAL and POSTER

T 51. M. King Hubbert at 100: The Enduring Contributions of Twentieth-Century Geology's Renaissance Man

.....
GSA Hydrogeology Division; National Ground Water Association; U.S. National Chapter of the International Association of Hydrogeologists; GSA Geophysics Division; GSA Sedimentary Geology Division; GSA Structural Geology and Tectonics Division; GSA History of Geology Division. Hydrogeology; Structural Geology; History of Geology. Alan E. Fryar, University of Kentucky, Lexington, KY; T.N. Narasimhan. ORAL

T 75. Human Versus Natural Influences on Holocene Sedimentation In Estuaries, Harbors, and Marginal Marine Ecosystems

.....
Society of Sedimentary Geology; GSA Sedimentary Geology Division sponsored. Marine/Coastal Science; Quaternary Geology/Geomorphology; Paleoclimatology/Paleoceanography. Douglas W. Haywick, University of South Alabama, Mobile, AL; Miriam L. Fearn, University of South Alabama, Mobile, AL. ORAL and POSTER

T 81. Multi-Proxy Terrestrial Records and the Ocean-Climate System: Links and Perturbations in the Cretaceous

.....
GSA Sedimentary Geology Division sponsored. Paleoclimatology/Paleoceanography; Geochemistry; Paleontology/Paleobotany. David B. Finkelstein, Indiana U., Bloomington, IN; Darren R. Gröcke, Royal Holloway U. of London, Egham, Surrey, UK; Lisa M. Pratt, Indiana U., Bloomington, IN. ORAL and POSTER

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T 103. Comprehensive Landscape Analysis --A Predictive Tool for Mapping Surficial Deposits and Their Environmental Attributes

.....
GSA Sedimentary Geology Division sponsored. Quaternary Geology/Geomorphology; Stratigraphy; Environmental Geoscience. Kathleen M. Farrell, Raleigh, NC; C. William Zanner, University of Nebraska, Lincoln, NE. ORAL and POSTER

T 106. Quaternary History and Stratigraphy of the Pacific Northwest

.....
GSA Sedimentary Geology Division sponsored. Quaternary Geology/Geomorphology Kathy Goetz Troost, U. Washington, Seattle, WA; Tim Walsh, Washington Div. of Geology, Olympia, WA; Ralph Haugerud, U. Washington, Seattle. ORAL and POSTER

T 108. Sedimentary Records of Rapid Ice Sheet Decay and Intensive Ice-Calving Events

.....
GSA Sedimentary Geology Division sponsored. Quaternary Geology/Geomorphology; Sediments, Clastic; Stratigraphy. Amir Mokhtari Fard, American U. of Beirut, Beirut, Lebanon. ORAL

T 114. Isotopic Determination of Sediment Provenance: Techniques and Applications

.....
GSA Sedimentary Geology Division; Society for Sedimentary Geology sponsored. Sediments, Clastic; Geochemistry, Other; Tectonics. Paul Karl Link, Idaho State U., Pocatello, ID; Mark Fanning, Australian National U., Canberra, Australia; J. Brian Mahoney, U. of Wisconsin, Eau Claire, WI. ORAL and POSTER

T 115. New Applications of Provenance Analysis to Landscape Evolution and Sediment Transport Systems

.....
GSA Sedimentary Geology Division; Society for Sedimentary Geology sponsored. Sediments, Clastic; Stratigraphy; Tectonics. Matthias Bernet, U. of Canterbury, Christchurch, New Zealand; Kari Bassett, U. of Canterbury, Christchurch, New Zealand. ORAL and POSTER

T 116. Sabkha Environments, Recent Insights

.....
GSA Hydrogeology Division; GSA Sedimentary Geology Division; Society for Sedimentary Geology sponsored. Hydrogeology; Sediments, Carbonates; Paleoclimatology/Paleoceanography Warren W. Wood, U.S. Geological Survey, Reston, VA; Abdulrahman S. Alsharhan, U.A.E. Univ., Al-Ain, United Arab Emirates; Peter T. Kolesar, Utah State Univ., Logan, UT. ORAL

T 117. Influence of Tsunamis in the Geological Record

.....
GSA Sedimentary Geology Division sponsored. Sediments, Clastic; Marine/Coastal Science; Neotectonics/Paleoseismology. Frank R. Etensohn, University of Kentucky, Lexington, KY; Kevin G. Stewart, University of North Carolina, Chapel Hill, NC. ORAL

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T 118. From the Abyss to the Beach: In Honor of Orrin H. Pilkey

.....
GSA Sedimentary Geology Division sponsored. Sediments, Clastic; Marine/Coastal Science; Geoscience Education. David M. Bush, State University of West Georgia, Carrollton, GA; Bruce F. Molnia, U.S. Geological Survey, Reston, VA. ORAL

T 119. Revisiting the Biogeochemistry of Black Shales and Oxygen-Deficient Marine Environments

.....
Geochemical Society; GSA Sedimentary Geology Division; Society for Sedimentary Geology sponsored. Geochemistry, Organic; Paleoclimatology/Paleoceanography; Sediments, Clastic. Richard B. Schultz, Elmhurst College, Elmhurst, IL; Timothy W. Lyons, University of Missouri, Columbia, MO. ORAL and POSTER

T 120. Sedimentology and Oceanography of Phosphogenic Systems

.....
GSA Sedimentary Geology Division; Society for Sedimentary Geology sponsored. Sediments, Carbonates; Sediments, Clastic; Paleoclimatology/Paleoceanography. Peir K. Pufahl, Queen's University, Kingston, ON; Eric E. Hiatt, Univ. of Wisconsin, Oshkosh, WI. ORAL and POSTER

T 121. Fortieth Anniversary of Sloss's Cratonic Sequences: Sequence Stratigraphy of the Sauk Sequence

.....
GSA Sedimentary Geology Division sponsored. Stratigraphy; Sediments, Carbonates; Paleontology/Paleobotany. Kevin R. Evans, James F. Miller, Southwest Missouri State U., Springfield, MO. ORAL and POSTER

T 122. Clinofolds: Past, Present, and Modeled

.....
GSW Sedimentary Geology Division; Society for Sedimentary Geology sponsored. Stratigraphy; Sediments, Clastic; Marine/Coastal Science. Charles A. Nittrouer, U. Washington, Seattle, WA; Lincoln F. Pratson, Duke U., Durham, NC; David Mohrig, Massachusetts Institute of Technology, Cambridge, MA. ORAL and POSTER

T 123. Advances in Stratigraphic Analyses Using Ground Penetrating Radar

.....
GSA Geophysics Div.; GSA Engineering Geology Div.; GSA Sedimentary Geology Division sponsored. Geophysics/Tectonophysics/Seismology; Quaternary Geology/Geomorphology; Hydrogeology. Gregory S. Baker, University at Buffalo (SUNY), Buffalo, NY; Harry M. Jol, University of Wisconsin, Eau Claire, WI. ORAL and POSTER

T 127. New Perspectives on Neoproterozoic-Early Paleozoic Development of Western Laurentia: In Honor of John Cooper

.....
GSA Sedimentary Geology Division sponsored. Stratigraphy; Sediments, Carbonates; Sediments, Clastic. Mike Pope, Washington State U., Pullman, WA; Chris Fedo, George Washington U., Washington, DC. ORAL and POSTER

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T 128. Barremian to Turonian Carbonate Platform Facies in Northeastern Mexico, their Paleogeographic, Paleocenic, and Paleoclimatic Implications: Comparison with Coeval Facies Elsewhere in the Tethys (Posters)

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GSA Sedimentary Geology Division; Society for Sedimentary Geology sponsored. Stratigraphy; Paleoclimatology/Paleoceanography; Sediments, Carbonates. Florentin J. Maurrasse, Florida International University, Miami, FL. POSTER

T 129. The Jurassic System of North America: Stratigraphy, Tectonics, and Depositional History (Posters)

.....
GSA Structural Geology and Tectonics Division; GSA Sedimentary Geology Division; Society for Sedimentary Geology sponsore. Stratigraphy; Tectonics; Sediments, Clastic. William C. Parcel, Wichita State University, Wichita, KS. POSTER

T 142. Structure and Stratigraphy: New Perspectives on Lithotectonic Processes

.....
GSA Structural Geology and Tectonics Division; GSA Sedimentary Geology Division. Structural Geology; Stratigraphy. Mark P. Fischer, Northern Illinois U., De Kalb, IL; David Anastasio, Lehigh U., Bethlehem, PA. ORAL and POSTER

BOOK RESOURCE

Encyclopedia of Sediments and Sedimentary Rocks has just been published [August 2003] by Kluwer. The 821-page volume contains more that 250 articles by 180 authors and gives a comprehensive up-to-date reference on all aspects of modern sedimentology. Editors are Gerard Middleton, Michael Church, Mario Coniglio, Lawrence Hardie and Fred Longstaffe. For complete details, see: <<http://kluweronline.com>>.

UPCOMING CONFERENCES

AAPG Hedberg Conference **University of Texas, Austin** **Feb. 8-11, 2004**
"Structural Diagenesis: Fundamental Advances and New Applications from a Holistic View of Mechanical and Chemical Processes"

Purpose: To bring together sedimentary geologists and structural geologists, geomechanical and fluid flow modelers, and others concerned with understanding the origin and properties of sedimentary rocks that have been structurally deformed. **Abstract deadline: Oct. 10, 2003.**

For more information, please go to <<http://www.aapg.org/education/hedberg/austin/index.cfm>> or contact Steve Laubach at <steve.laubach@beg.utexas.edu>.

AAPG/SEPM Annual Meeting **Dallas, Texas** **April 18-21, 2004**
"Measuring and Modeling Sedimentary Bedforms"

Under the sponsorship of SEPM, this is the first time that SGD has a session at the AAPG/SEPM Annual Meeting. Abstract deadline has passed. **For more information:**

<<http://www.aapg.org/meetings/dallas04/>>.

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Congress IAH - ALHSUD 2004 Zacatecas, Mexico October 11-15, 2004

XXXIII IAH - 7th ALHSUD Congress – Second Announcement. All persons dealing with groundwater and related sciences as well as those engaged in social, economic and political aspects of groundwater are invited to participate in the various activities of this Congress.

Abstract deadline: Nov. 15, 2003. More information: <<http://www.igeograf.unam.mx/aih/>> or the Congress Secretariat at <aih@igiris.igeograf.unam.mx>.

NSF CONFERENCE HELD IN MAY 2003

"Deep-Time Paleoclimatology." Twenty-two geoscientists, including a healthy contingent of sedimentologists, sedimentary geochemists and paleontologists in addition to climate modelers, converged on Arlington, VA to discuss the status and future of research on Earth's "deep-time" (pre-Quaternary) climate record. Workshop discussions produced broad agreement on the need for study of Earth's climate record at all spatial and temporal scales in order to fully comprehend the variability of Earth's climate system.

Critical to progress in deep-time paleoclimatology is community feedback to help chart future directions, and approaches to the impasses identified during the conference. To this end, please visit <<http://geoclimate.ou.edu>> to view the full workshop report and to register feedback useful for guiding future research efforts and initiatives.

- G.S. (Lynn) Soreghan, University of Oklahoma

PARTING SHOTS



Debris-flow fans in the Kyrgyz Tien Shan



Impact craters from torrential storms on canyon walls, China

(Hardcopy readers, please see the online version of the newsletter on the Sedimentary Geology Division website at <<http://rock.geosociety.org/sed/SGD.html>> for color photos.)

- Photographs by Doug Burbank, SGD 2002-2003 Chair

2002-2003 Sedimentary Geology Division Officers

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