

On the Rocks



A Newsletter of the Michigan Basin Geological Society

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www.mbgs.org

February 2003

EVENTS

February 24, 2003: MBGS Meeting *Note the date change*. The speaker is AAPG Distinguished Lecturer John Anderson. His topic is "Antarctica's Contribution to Eustasy".

May 11-14, 2003: AAPG 88th Annual Meeting Salt Lake City, Utah. The theme is: "Energy-Our Monumental Task".

September 6-10, 2003: Joint Technical Conference; "Taking a Closer Look", 2003 AAPG Eastern Section Meeting - 2003 SPE Eastern Regional Meeting, Pittsburgh, Pennsylvania. Abstracts due March 1, 2003. See aapg-spe-2003.org.

September 21-24, 2003: The Society for Organic Petrology (TSOP), 20th Annual Meeting Washington, DC, USA.

BOOK FOR SALE

I have a copy of the 1970 Field Book published by Michigan Basin Geological Society that I would like to sell. Anyone can see the subject book on my web site: [mywebpages.comcast.net/remus/MyBooks/Pleistocene Devonian Precambrian Michigan Field Excursions 1970](http://mywebpages.comcast.net/remus/MyBooks/PleistoceneDevonianPrecambrianMichiganFieldExcursions1970), Michigan Basin Geological Society.

The book is in very good condition with a small tear in the middle of the back cover. If anyone is interested please let me know! William Razgunas [<mailto:remus@comcast.net>]

MBGS Meeting

February 24, 2003

Location: Mountain Jacks
5800 W. Saginaw Highway, Lansing, Michigan

Schedule: 4:30-5:30 PM Executive Committee Meeting
5:30-6:15 PM Cash Bar
6:15-7:15 PM Dinner
Presentation after Dinner

Cost \$25.00/member \$10.00 Student (includes dinner)

Topic: "Antarctica's Contribution to Eustasy"
By

John Anderson
AAPG Distinguished Lecturer

MBGS Dinner Meeting Reservation

Name_____

Number attending _____ Society_____

Enclosed Registration Fee _____

Please make your check out to the MBGS by February 21, 2003 and send to:

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P. O. Box 763
Jackson, Michigan 49204
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2002-2003 MBGS Officers

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University Talks and Seminars Websites

Western Michigan University
www.wmich.edu/geology/SeminarGeos.html

Michigan State University,
www.glg.msu.edu/news/lectures.html

University of Michigan, Turner Lecture Series
www.geo.lsa.umich.edu/announce/turner02b.html

Michigan AIPG Section website: www.aipg-mi.org.

MEETING CANCELLATION POLICY

Monthly meetings will be automatically cancelled whenever the National Weather Service issues a "Storm Warning" for the Lansing area. If driving conditions are poor but a "Warning" has not been issued please contact any member of the Executive Committee for the status of the meeting.

MICHIGAN BASIN GEOLOGICAL SOCIETY PUBLICATIONS

Historical CD #1: Nine out-of-print publications from 1949 through 1965 and 1998, Devonian to Silurian Rock Fieldtrips to MI, WI, IL and Ontario, 2000, \$15

Historical CD #2: Four out-of-print publications from 1947, 1959, 1983 and 1991, Northern Devonian and UP Fieldtrips in MI, 2001, \$10

Historical CD #3: Six out-of-print publications from 1947, 1959, 1983 and 1991, Northern Devonian and UP Fieldtrips in MI, 2001, \$12

Special Price - Historical CD #1, #2 & #3, \$30

Stratigraphic Lexicon for Michigan, 2001, prepared by MBGS and published by DEQ, 56 pp., chart, \$2.65 picked up or \$4 mailed, Can be ordered from MBGS or Geological Survey Div. of the DEQ

Price Includes postage, handling and any applicable sales tax. Orders for publications should be prepaid in U.S. Funds and addressed to:

MBGS - Publications
c/o Dept. of Geological Sciences
206 Natural Sciences Building
Michigan State University
East Lansing, Michigan 48824-1115

MBGS Mug and Jacket Sale

The Michigan Basin Geological Society is offering mugs and jackets with the society logo for sale. The mugs are \$5.00 each. The jackets are \$60.00 each plus postage. Please contact Dan McGuire at: Phone (517) 772-5219, Fax (517) 772-7021, or danmcguire@sensible-net.com. Remember to include the correct size of the jacket and the quantity of each item. Checks should be made out to the MBGS.

The Society for Organic Petrology (TSOP), 20th Annual Meeting

September 21-24, 2003, Washington, DC, USA.

Abstracts due 4/15/03. Oral and poster sessions September 22-23. Topics include petroleum systems, source rocks, coalbed methane, coal characterization (Ron Stanton memorial session), government and energy.

Short courses (Sept. 21) on trace elements in coal, health impacts of coal plus a core workshop on coal and petroleum source rocks of the National Petroleum Reserve in Alaska. Field trip (Sept. 24) on geology and energy resources of the Triassic basins of northern Virginia.

Organic petrology is the branch of earth sciences that studies the origin, occurrence, structure and geohistory of sedimentary organic matter organic matter and coal.

For additional information contact:

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956 National Center

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Phone: (703) 648-6469; Fax: (703) 648-6419; E-mail: pwarwick@usgs.gov;

Further details: <http://www.tsop.org/mtgdc.htm>.

Biography John Anderson

Education:

1968 University of South Alabama; B.S., Geology

1970 University of New Mexico; M.S., Geology

1972 Florida State University; Ph.D., Geology

Experience:

1972-75 Hope College, Holland, Michigan; Assistant Professor

1975-Present Rice University, Houston, Texas:

1992-99, Department Chairman

2002-Present, Maurice Ewing Professor of Oceanography

1992 GCAGS Outstanding Educator Award

1996 Rice University Graduate Teaching Award

1997 NSF Oversight Panel for Polar Programs

Antarctic Marine Geology - 21 scientific expeditions to Antarctica/Quaternary Evolution of the Northern Gulf of Mexico Basin.

AAS-Polar Research Board

Associate Editor for Geology, AGU-Antarctic Research Series, AAPG, Sedimentology, and Marine Geology

President-elect for the Society for Sedimentary Geology (SEPM)

Publications:

Authored and co-authored 120 refereed publications and three books.

Memberships:

American Association of Petroleum Geologists

American Geophysical Union

Geological Society of America (Fellow)

Society for Sedimentary Geology

“Antarctica's Contribution to Eustasy”

Antarctica has controlled glacial eustasy throughout most of the Neogene. This talk will provide a review of the evidence for Antarctic glaciation in the Cenozoic and a discussion of the glacial eustatic control on global stratigraphic architecture. The most recent glacial eustatic cycle, which is by far the best documented, is used to understand those factors that regulate ice sheet expansion and decay. In summary, future changes in the volume of the ice sheet and its potential impact on civilization by coastal flooding are discussed.

**THE MSU ALUMNI/GEOLOGY CLUB
DISTINGUISHED LECTURE SERIES
SPRING SEMESTER, 2003**

Jan. 16 Thursday AEG/AIPG	Dr. David Hyndman Geological Sciences Michigan State University	<i>"Efficient Large-Scale Bioremediation in a Heterogeneous Aquifer: The Schoolcraft Bioaugmentation Experiment"</i>
Jan. 23 Thursday	Dr. Timothy C. Beers Physics and Astronomy Michigan State University	<i>Discovery of a Stellar Relic from the Early Galaxy and the Nature of Nucleosynthesis in the Early Universe"</i>
Jan. 30 Thursday	Dr. Robert Pennock Lyman Briggs School Michigan State University	<i>"What Every Earth Scientist Need to Know About Intelligent Design"</i>
Feb. 6 Thursday	Dr. Randy Schaetzl Dept. of Geography Michigan State University	<i>"Using Soils and Landforms to Determine the Evolution of Sandy Uplands in Michigan"</i>
Feb. 20 Thursday	Dr. Catherine Yansa Dept of Geography Michigan State University	<i>"Late Quaternary Vegetation and Climate Change the Northern Great Plains"</i>
Mar. 13 Thursday	Dr. Sally Sutton Birdsall-Dreiss Lecturer Colorado State University	<i>"A Fluid Mixing Model for Mineralization, Konkola North, Zambian Cooperbelt"</i>
Mar. 20 Thursday	Dr. Danita Brandt Geological Sciences Michigan State University	<i>"Escalation and Evolution-Did Trilobites Lose the Arms Race?"</i>
Mar. 27 Thursday	Dr. Jean Bahr Birdsall-Dreiss Lecturer University of Wisconsin	<i>"To Be Announced"</i>
Apr. 3 Thursday	Dr. Michael Gottfried Geological Sciences Michigan State University	<i>"Closing the 'African Gap'--New Cretaceous Fossil from Tanzania and Gondwanan Paleogeography"</i>
Apr. 10 Thursday	Dr. Robert Anstey Geological Sciences Michigan State University	<i>"Patterns of Bryozoan Endemism Through the Ordovician-Silurian Transition"</i>
Apr. 17 Thursday	Dr. John Valley Univ. of Wisconsin Madison	<i>"To Be Announced"</i>

Coffee will be served at 3:30 in Room 207 Natural Science Building.
All lectures will be at 4:00 P.M in room 204 Natural Science Building.
Brown-Bag Seminar will be at Noon in room 207 Natural Science Building.