

# On the Rocks



*A Newsletter of the Michigan Basin Geological Society*

2005-2006 Number 4

[www.mbgs.org](http://www.mbgs.org)

December 2005

## EVENTS

**December 14, 2005:** This month's meeting will be a collaborative effort by Mark Wollensak and Mark Nida. They will present, "**Everything You Ever Wanted to Know About the MBGS Grand Canyon Raft Trip,**" including slides, video, personal recollections and more. The presenters encourage the 'rafters' to wear their (freshly laundered) raft trip apparel to the meet to add to the ambiance.

**May 8-12, 2006:** Institute of Lake Superior Geology meeting and field trips. See info below and at following link. <http://www.lakesuperiorgeology.org/Sault2006/index.html>

**Last Call For Dues:** If you have not paid your dues for the 2005-2006 season, **this is the last newsletter you will receive.** Unfortunately, I have not yet been able to separate the mailing lists of those who have and have not paid dues, please check to see if you have paid your dues. Thank you!

### Michigan Basin Geological Society Dues Notice

Please detach and fill out this form when paying your dues for 2004-2005. Dues are \$25.00 for active member and \$10.00 for students.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_

Send to: Tom Hoane  
1748 Danby Lane SE  
Grand Rapids, MI 49506

Phone \_\_\_\_\_  
E-Mail \_\_\_\_\_

Amount enclosed \_\_\_\_\_ Make check payable to: MBGS

Send Newsletter by e-mail \_\_\_\_\_ or Mail \_\_\_\_\_ @ address above

## **2004-2005 MBGS Officers**

**The Executive Committee meeting minutes are available on the website.**

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(see above)

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### **University Talks and Seminars Websites**

Western Michigan University:  
[www.wmich.edu/geology/SeminarGeos.html](http://www.wmich.edu/geology/SeminarGeos.html)

Michigan State University:  
[www.glg.msu.edu/news/lectures.html](http://www.glg.msu.edu/news/lectures.html)

University of Michigan, Turner Lecture Series:  
[www.geo.lsa.umich.edu/announce/turner02b.html](http://www.geo.lsa.umich.edu/announce/turner02b.html)

Michigan AIPG Section website: [www.aipg-mi.org](http://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. MBGS Members receive a 10% discount on MBGS publications. 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](mailto: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.

# MBGS MEETING

**December 14, 2005 (WEDNESDAY)**

**Coyote Creek  
6951 Lansing Rd, Dimondale, MI.**

Schedule: 5:00 to 6:00 PM Social Hour  
6:00 PM Dinner  
Presentation after dinner

Cost \$25.00/member \$15.00 Student (includes dinner)

***Topic: "Everything You Ever Wanted to Know***

***About the MBGS Grand Canyon Raft Trip"***

by

Mark Wollensak and Mark Nida

SPE Dinner Meeting Reservation

Name \_\_\_\_\_

Number attending \_\_\_\_\_ Society \_\_\_\_\_

Enclosed Registration Fee \_\_\_\_\_ Will Pay at Door \_\_\_\_\_

Please make checks payable MBGS and return to Leonard Espinosa

Leonard Espinosa  
Ph: (517) 335-3248 Fax (517) 373-2443  
E-mail: [espinosl@michigan.gov](mailto:espinosl@michigan.gov)

## **Biography: for Mark Wollensak**

After completing his bachelors degree in Geology with an emphasis in Geophysics from Michigan State in 1982, Mark was employed in the petroleum industry. Once out of college, Mark managed a crew conducting geophysical and bathymetric offshore surveying from Florida to Texas until he was employed in Michigan at Hosking Geophysical in 1985 as a marketing manager. Mark moved on to work in the environmental industry at EarthFax Engineering in 1992 as a geologist and project manager. Presently Mark is employed as a senior geologist and project manager at Hamp, Mathews & Associates, Inc. and manages groundwater and soil cleanup sites associated with refineries, oil and gas production sites and food manufacturing facilities. Mark has been active in the Michigan Basin Geological Society for twenty years or since 1985. He has held the capacity of President, Vice President, Field Trip Director, Newsletter Editor, Publications Manager and presently Electronics Publication Editor. Mark has been awarded a lifetime

## **Biography: for Mark Nida**

Mark earned his Bachelor of Science Degree in Geological Engineering from Michigan Technological University in 1982. Mark has been employed with the Michigan Public Service Commission since 1983. He has worked on the regulatory side of the industry regarding, the Production, Transmission and Storage of Natural Gas on numerous projects for over twenty years. He has testified in numerous contested cases on depositional environments, engineering, and environmental issues. He also has served as the Scoutmaster of a local Boy Scout troop. He has served as an officer with MBGS and continues to be an active member of the Society. He was one of the co planners of the Trip down the Grand Canyon, which was sponsored by MBGS.

## **Institute of Lake Superior Geology Conference and Field Trips**

### **Pre-Meeting Field Trips**

1. *Classic Stratigraphy of the Huronian Supergroup - Elliot Lake & Searchmont Transects*

Monday, May 8 and Tuesday May 9 - Leader: Gerry Bennett (retired OGS)

This trip will transect the Paleoproterozoic Huronian Supergroup in the Elliot Lake and Searchmont areas. Visits to classic exposures of uraniferous conglomerates, ripple marks and glacial drop stones in the Elliot Lake transect. The Searchmont transect examines seldom visited exposures of the Huronian north of Sault Ste Marie. Exposures of puddingstone and stromatolites will be visited.

2. *Unusual Archean Diamond-bearing rocks of the Wawa Area (I)*

Tuesday, May 9 - Leader: Ann Wilson (OGS)

A one-day field trip will examine the 2700 m.y.-old Archean diamondiferous breccias of the Michipicoten greenstone belt. Outcrop visits will include the Sandor discovery site, the GQ discovery site and the Engagement Zone.

[photos](#)

3. *Keweenaw Rocks of the Point Mamainse Area*

Friday, May 12 - Leader: Tom Hart (OGS)

Mesoproterozoic rocks are well exposed along the shoreline of Lake Superior north of Sault Ste Marie. Basaltic flows with well preserved ropy pahoehoe surfaces and plagioclase-phyric to glomerophyric textures will be highlighted.

[photos](#)

## Post-Meeting Field Trips

4. *Unusual Archean Diamond-bearing rocks of the Wawa Area (II)*

SFriday, May 12 - Leader: Ann Wilson (OGS)

See description for trip 2, May 9, 2006.

[photos](#)

5. *Glacial Lakes Algonquin and Nipissing Shoreline Bedrock Features - Mackinac Island, Michigan*

Friday, May 12 - Leader: R. P. Sage (retired OGS)

Mackinac Island represents one of the best exposures of Silurian and Devonian aged rocks along the Michigan Basin perimeter. The one-day bike trip visits all major bedrock exposures that have affected the tourist economy of the island and examines the erosive effects of the glacial lakes from the retreating Wisconsin ice sheets. Participants must bring their own bicycles. Rental bicycles are not available in early May.

[photos](#)

6. *Geology of the Paleoproterozoic East Bull Lake Intrusion*

Friday, May 12 - Leaders: Mike Easton (OGS) & Dick James (Laurentian University)

Intrusions of the ~2480 m.y. East Bull Lake intrusive suite occur as an ENE-trending belt along the boundary between the Archean Superior and the Proterozoic Southern provinces. The trip will illustrate important aspects of the geology, stratigraphy and PGE mineralization of the intrusion.