

On the Rocks



A Newsletter of the Michigan Basin Geological Society
E-mail version

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June 2002

EVENTS

May 31-June 2, 2002: Glacial Field Trip of Eastern UP Midwest and Meeting of the Friends of the Pleistocene at Grand Marais, Michigan.

June 20, 2002: Glacial Geology of Berrien County field trip sponsored by the DEQ Geology Outreach Committee. This one day field trip/training for State of Michigan geologists is also open to all geologists and other interested parties.

September 11, 2002: First MBGS meeting of the 2002 – 2003 season.

October 6-8, 2002: AAPG annual Eastern Section meeting, Champaign, Illinois.

October 22-25, 2002: 9th Annual International Petroleum Environmental Conference, in Albuquerque, New Mexico.

The MBGS Executive Committee for 2002-2003 are:

President: - Milt Gere
Vice President: - Tom Godbold
Secretary: - Tom Wellman
Treasurer: - Thomas Hoane
Business Manager: - Bruce Arndt

MBGS Webmaster: Greg Varnum webmaster@mbgs.org

FIELD TRIP: Glacial Geology of Berrien County

When: Thursday June 20, 2002

Start Time: 9:30 a.m.

Non-State geologists are also welcome.

This trip is unusual in that it is being scheduled to be held during work hours. The trip content will reflect the value of understanding and properly describing glacial geology in the conduct of our various job duties. Please discuss this activity with your supervisors to obtain permission to attend on work time and expense, if possible.

The Geology Outreach Committee will sponsor a one day glacial geology field trip/training on Thursday June 20, 2002 for State geologists, at Berrien County. On this trip we plan to **evaluate complex glacial successions and discuss the best ways to describe the glacial sediments**. The trip will be run by Kevin Kincare, GSD and organized by Larry Bean, WMD.

We will decide on a meeting place in Berrien County at a later date.

We will start at 9:30, which will require Lansing staff to leave at 7:30.

Car pooling is a MUST. People should car pool from the Lansing and district offices. We will provide a list of attendees closer to the training date so that you can coordinate a ride. People should pack their own lunches, because there are 5 stops that we want to hit and not much time.

Lodging: For people who want to stay over the night before, the Benton Harbor Days Inn (right off I-94 at US-31 south) has been charging the GSD field crew around \$45/night which includes a free breakfast at the restaurant next door.

We will send out an itinerary at a later date for those people who sign up to attend. To sign up or to ask questions please contact Larry Bean, WMD Livonia, at: beanl@michigan.gov or 734-953-1469.

Lawrence Bean
Geologist
Solid Waste Section, Southeast Michigan
Michigan Department of Environmental Quality
Phone, (734) 953-1469
Fax, (734) 432-1277

Douglas L. Daniels
Senior Geologist
(616) 567-3621
Fax (616-567-9440)

Friends of the Pleistocene Glacial Field Trip and Meeting

MAKE PLANS NOW TO ATTEND THE 2002 MIDWEST FOP MEETING IN EASTERN UPPER MICHIGAN, May 31-June 2, 2002!

TO ASSURE YOUR SPOT, MAKE RESERVATIONS AND PAYMENT BY 5/1/02

What: The Midwest Friends of the Pleistocene

When: May 31-June 2, 2002

Where: Grand Marais, MI (100 miles east of Marquette, MI along the SE shore of Lake Superior).

Cost: \$60.00 includes: Trip field guide, two breakfast buffets, two sack lunches, buffet banquet (Saturday night), refreshments in the field, and bus transportation on Saturday. Make checks for food, etc. **payable to Friends of the Pleistocene and mail to Walter L. Loope, U.S.**

Geological Survey, P.O. Box 40, Munising MI 49862. We will know you are coming when we get your money (confirmation of receipt via e-mail; paper receipts will be provided on site).

Please contact trip organizers John Anderton (Northern Michigan University, Marquette; 906-227-1140; janderto@nmu.edu)

or Walt Loope (U.S. Geological Survey, Munising; 906-387-3116; walter_loope@usgs.gov) with questions.

Itinerary:

- 5/31 - We will gather in Grand Marais the evening of 5/31
6/1 - travel to sites within 50 miles and return to Grand Marais for the night (**and the Banquet**).
6/2 - we will travel by individual vehicles west toward Marquette via Seney and the Lake Superior shoreline and adjourn in the PM just south of Marquette.

Topics to be discussed in the field include:

- details of deglaciation (Marquette stadial) in the vicinity of Grand Marais
- beach-ridge evidence of Holocene lake-level changes on Lake Superior
- history of post-Lake Algonquin sand dunes of inland eastern Upper Michigan
- mid- and late-Holocene coastal dune building in the vicinity of Grand Marais
- a renaissance in the use of geomorphology in soil survey by USDA
- Holocene history of Grand Sable Lake
- recent geoarchaeological investigations of Paleo-Indian and Archaic environments.
- a field demonstration of Ground Penetrating Radar

Lodging:**Make your own room reservations and pay the North Shore Lodge directly (906-494-2361).**

The **North Shore Lodge** in Grand Marais has been reserved for the meeting. To reach the Lodge, take M-77 north from its junction with M-28 at Seney in north central Upper Michigan. The Lodge is located at the north end of Canal Street, on Lake Superior. A variety of accommodations (e.g. doubles, cabins, singles) is available. A per room (i.e. double) cost of \$48.00 has been negotiated. Please share a room if possible so all can be accommodated.

Camping is available at municipally-owned Woodland Park (906-494-2613).

NEW 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

Appalachian Region Petroleum Technology Transfer Council (PTTC) presents:

Outcrop Analogs for Trenton/Black River Fractured Dolomite Reservoirs: A Field Trip and Core Workshop in Central Kentucky June 4, 2002, Lexington, Ky. Kentucky Geological Survey Well Sample and Core Library

The Kentucky Geological Survey will conduct a PTTC-sponsored workshop focused on outcrop and shallow subsurface examples of fault-related, Ordovician hydrothermal dolomites in central Kentucky. These dolomites are analogs to deeper subsurface dolomitized and fractured gas reservoirs in New York, West Virginia, Ohio, Ontario, and Michigan.

The workshop will be 1 day, with a morning core workshop and an afternoon field trip to Clark County. The following topics will be discussed:

- Hydro thermal mineralization in central Kentucky
- Relationship of mineralization to hydrocarbons
- Characteristics of hydrothermal dolomite, relationship to faulting and analogies with subsurface reservoirs
- Expression of basement faults in Ordovician carbonates
- Core and interpretations from the Shell No. 1 Matejka core, Chemung Co., N.Y.
- Cores from Jephtha Knob cryptoexplosive structure: hydrothermal or impact origin?
- Seismic expression of potential dolomite reservoirs

For more information, please see the meeting announcement and registration form, in Adobe Acrobat (PDF) format, by clicking the link below:

http://www.uky.edu/KGS/pdf/Trenton_workshop

Michigan Geological Survey Website:
www.michigan.gov/deq/1,1607,7-135-3308---,00.html.