

NEWSLETTER
VOLUME XIII:No2 MARCH, 1999
MIDWEST CHAPTER, FRIENDS OF MINERALOGY

MEETING
SATURDAY MARCH 13, 1999
2:00PM
EASTERN INDIANA GEM & GEOLOGICAL SOCIETY
SPRING SHOW
WAYNE COUNTY FAIRGROUNDS
NORTH SALISBURY ROAD, RICHMOND IN.

PROGRAM: DR. NELSON SHAFFER, INDIANA GEOLOGICAL SURVEY
AND NATIONAL FM PRESIDENT: "BIOLOGICAL INCLUSIONS IN
MINERALS". MIDWEST CHAPTER FM MEETING TO FOLLOW AT
3:00PM.

PRESIDENT'S MESSAGE

I made it to Tucson and it is as big and overwhelming as everyone says. Although I was there for only five days, the hectic pace was a lesson in "get plenty of rest and wear good walking shoes". The exhibits were outstanding. The dealer's displays were fantastic (some of the prices were scary).

Friday the 12th at the Arthur M. Roe Memorial Micromount Symposium, sponsored by the Micromount Group of the Tucson Gem and Mineral Society, I acquired many new minerals and made new friends by trading mineral specimens.

A report was presented to National FM President, Nelson Shaffer, on the activities of the Midwest Chapter. Copies of the schedule and information for our Second Symposium at Columbus were distributed at various shows: Executive Inn, LaQuinta Inn, Inn Suites, Ramada Inn and at the main show.

I met Anne Cook at the Micromount Symposium and discussed the November symposium in Cleveland with her. She said we are indeed invited to the symposium for our November meeting, if our group is so inclined. We can discuss this at the March meeting.

Besides Nelson Shaffer, I met some other famous and well-known mineralogists at Tucson including Marcelle Weber, Joe Mandarino, Sharon Cisneros, Herb Oboda, James F. Hurlbut and Frederick Pough.

I had a great time and with my son, Dwaine II, we were able to spend a day touring the Sonora Desert Museum and Saguaro National park.

Let's have a good attendance at our meeting March 13 in conjunction with the Spring Show at Richmond, Indiana, sponsored by the Eastern Indiana Gem & Geological Society.

Dwaine "Ed" H. Edington

1999 DUES ARE NOW DUE

Send your dues to Kim Greeman, 6447 Lafayette Road, Indianapolis, IN 46278-1803. Annual dues are \$15 for the first family member, and \$8 for each additional family member (at the same mailing address). Your membership dues to the Midwest Chapter, automatically includes your membership in the National Friends of Mineralogy society.

Minutes Midwest Chapter meeting, January 10, 1999

We began the meeting with our speaker Andrea Koziol, a specialist in Planetary Studies. Her topic for presentation, Mineralogical Evidence For Life On Mars.

As a planet, Mars' atmosphere is composed of carbon dioxide, with traces of argon and water. Surface temperatures at the equator are about 72 degrees F, while the polar areas can drop to -200 degrees F. While the Martian polar zones contain water, they are not suitable for humans. But, who knows about other life forms; for example the earthly bacteria inhabiting the deep ocean volcanic seeps, where Black Smokers produce water 180 degrees F, and bacteria thrive. The Martian surface is covered with either cratered zones or volcanic flows. The greater the coverage with craters, the older the surface rocks.

Before we send humans on a four year round trip to Mars, to collect samples, we should look for Martian samples on earth. Examination of basalt meteorites has resulted in several with entrapped gases that match the Martian atmosphere. Because of the snow covering, Antarctica is a good place to recover meteorites that have landed there. The movement of the glacial ice transports specimens toward areas where they accumulate. Collection of meteorites has yielded numerous specimens that are suitable candidates for a Martian origin.

One sample, originally a 2 kilogram, potato sized specimen identified as ALH84001, is identified as a 4.5 billion year old pyroxene basalt, made of clinopyroxene with chromite and carbonate globules. The carbonate is siderite with magnetite crystals. The magnetite in the globules is similar to bacteria derived magnetite on earth. While the magnetite is too small for earth bound bacteria, there is speculation the 0.01 micron size crystals may not be too small for Martian bacteria? There are five different lines of evidence, that life could have been supported, and possibly existed on Mars. But, these are all inconclusive. The jury is still out.

A short business meeting followed the talk. The treasury stands at \$720.54 as of the end of 1998. For symposium mailings, we decided to use a bulk mailing permit, allowing us to mail cheaper, so we can afford to reach more potential symposium attendees. It was also decided that the Midwest Chapter would not pay the the Columbus Show attendance fee. Although the fee was paid last year, several people ended up paying again. This will also provide the chapter with an extra \$120.00, which we can use to offset expenses.

Submitted by Kim Greeman Midwest Chapter Secretary/Treasurer

FIELD TRIP

I have arranged an invitation to join the SEGS and Florida FM group at a combined mini-symposium and field trip to Graves Mountain, Georgia on April 23 and 24. The tentative agenda is a Friday night dinner/lecture (4/23) followed by a Saturday trip to the mine. The proposed agenda is:

4/23

6:00 - 6:30 Social

6:30 - 7:00 Introduction to Graves Mountain by John Whatley, Jr.

7:00 - 7:30 Phosphate Minerals at Graves Mountain by Henry Barwood

7:30 - 8:30 Dinner

8:30 - 9:00 Overview of the Carolina Belt by Giles Allard

4/24

Field trip to Graves Mountain

There will be a charge for the dinner meeting and a "donation" (suggested \$10.00) to the caretaker of the property at Graves Mountain.

Please have those who are interested in the trip contact me ASAP at:

Henry Barwood
Indiana Geological Survey
611 N. Walnut Grove
Bloomington, IN 47405
hbarwood@indiana.edu
812-855-1378

I will put those who are interested on a list to distribute details as I get them from the trip organizers.

Sincerely,



Henry Barwood, Head
Mineral Resources Section

SECOND MIDWEST MINERAL SYMPOSIUM - UPDATE

There will be a report on the Symposium at the Richmond meeting. The program with eight speakers is now finalized. Brochures announcing it will be mailed soon. Registration will still be \$10 but show admission (\$4) will be extra. We will need a sign (or signs) "Mineral Symposium" with an arrow on a movable stand pointing to the meeting room. Any volunteers?

MIDWEST CHAPTER FM - UPCOMING MEETINGS, PROGRAMS & FIELD TRIPS

Saturday March 13, 1999. Eastern Indiana Gem & Geological Society Spring Show. Kuhlman Center, Wayne County Fairgrounds off North Salisbury Rd in Richmond IN. Show speaker: Nelson Shaffer, Indiana Geological Survey and National FM President, will present "Biological Inclusions in Minerals" at 2:00PM. Midwest FM meeting at 3:00PM.

Saturday April 10, 8:00AM to 12:30PM, Second Midwest Mineral Symposium. Veterans Memorial, 300 West Broad St, Columbus, Ohio.

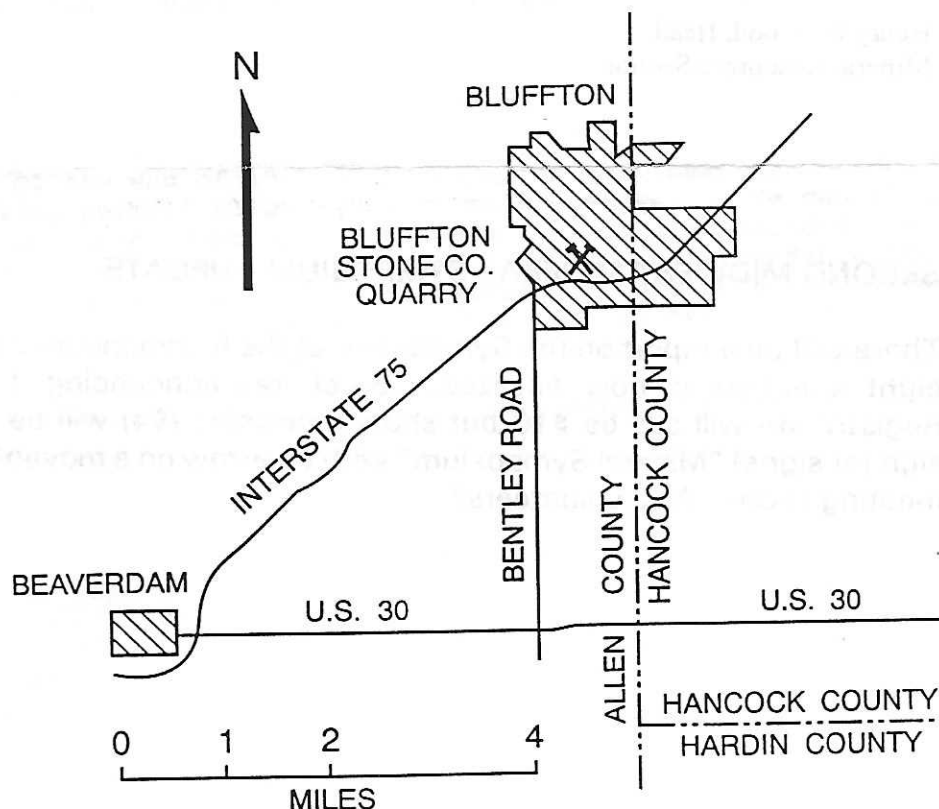
FIELD TRIPS

Its still early but we have been turned down for the year at a number of sites including Maybee, Rocky Ridge and Junction. We have tentative approval for Bluffton on Saturday April 24, 8:30AM to noon, if they are not working the floor. I will need your telephone number or email address if you want to come. If you do not hear from me by April 19th the trip is on. Nice crystals of brown, colorless to pale yellow and purple fluorite, ruby sphalerite, calcite and saddle dolomite can normally be collected. Fossils are scarce. The rocks are Late Silurian in age, consisting of the Tymochtee Dolomite and undifferentiated dolostones of the Salina Group. Bill Carney has given me information on sites farther west for later in the year. We welcome suggestions for good collecting localities especially if you can help us get in!!

Ernie Carlson

Department of Geology, Kent State University, Kent OH 44242-0001

Office: 330-672-3778; Home: 330-678-8875; ecarlson@geology.kent.edu



**SECOND MIDWEST MINERAL SYMPOSIUM
SATURDAY APRIL 10, 1999
8:00 AM to 12:30 PM**

VETERANS MEMORIAL - 300 W BROAD ST, COLUMBUS OHIO

**SPONSORS: Friends of Mineralogy Midwest Chapter and
Central Ohio Mineral, Fossil, Gem & Jewelry Show**

INVITED SPEAKERS

**ERNEST H. CARLSON, Department of Geology, Kent State University, Kent, OH.
"Celestite of the Findlay Arch District, Ohio, Michigan and Ontario".**

**PHILIP EVANOFF, Chillicothe OH. "Microminerals from Michigan, Ohio and Adjacent
Areas".**

**DALE GNIDOVEC, Orton Museum, Ohio State University, Columbus, OH. "The First
500 - Orton's Minerals".**

**MICHAEL C. HANSEN, Ohio Geological Survey, Columbus OH. "Drift Diamonds and
Gold in Ohio".**

**BILL McKENZIE, Lexington KY. "Quartz Geodes & Nodules from Central Kentucky
including Millerite, Halls Gap".**

**NELSON R. SHAFFER, Indiana Geological Survey, Bloomington IN. "Origin of Geodes:
New Notes on an Old Enigma".**

**ANDREW A. SICREE, Earth & Mineral Sciences Museum, Pennsylvania State
University, University Park PA. "The Upper Mississippi Valley Zinc-Lead District".**

**KENNETH B. TANKERSLEY, Department of Anthropology, Kent State University, Kent
OH. "Prehistoric Procurement of Cave Minerals in the Midwest".**

**PREREGISTRATION (BY MARCH 27) \$10. REGISTRATION AT THE DOOR \$12.
Show Admission not included. Registration forms are available from: Ernest H.
Carlson, Department of Geology, Kent State University, Kent OH 44242; 330-672-
3778 (or 672-2680); ecarlson@geology.kent.edu**

**CENTRAL OHIO MINERAL, FOSSIL, GEM & JEWELRY SHOW
Saturday April 10, 10:00 AM to 7:00 PM & Sunday April 11, 11:00 AM to 5:00 PM
Veterans Memorial, 300 W Broad St, Columbus Ohio**

REGISTRATION FORM

SECOND MIDWEST MINERAL SYMPOSIUM

Please return the lower part of this form with your payment to:

SECOND MIDWEST MINERAL SYMPOSIUM
c/o Ernest H. Carison
Department of Geology
Kent State University
Kent OH 44242-0001

Make Checks Payable To:

Friends of Mineralogy Midwest Chapter

Preregistration (Postmark By March 27, 1999) \$10. Registration At The Door \$12.
Note: These Fees Do Not Include Show Admission.

Name(s): _____

Address: _____

Amount Enclosed: _____

