

# FRIENDS OF MINERALOGY, INC MIDWEST CHAPTER

*AFFILIATIONS:*

THE MINERALOGICAL RECORD  
THE MINERALOGICAL SOCIETY OF AMERICA  
AMERICAN GEOLOGICAL INSTITUTE  
ROCKS & MINERALS MAGAZINE

**NEXT MEETING: SATURDAY, MAY 5, 2007, 4:00 PM**  
Cincinnati Mineral Society Annual Show, Cincinnati Gardens,  
2250 Seymour Ave, Cincinnati, OH



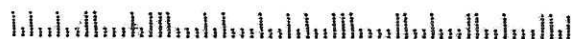
*happy  
father's  
day*

FRIENDS OF MINERALOGY  
MIDWEST CHAPTER  
JOHN BLUE, EDITOR  
16155 SHURMER RD  
STRONGSVILLE, OH 44136

**FIRST CLASS**



DR DANIEL HALL  
1996 GUIDEHALL APT F  
COLUMBUS, OH 43209



**FRIENDS OF MINERALOGY  
MIDWEST CHAPTER**

Vol XXI No 3

Page 1

**MAY 2007**

**AFFILIATIONS:**  
AMERICAN GEOLOGICAL INSTITUTE  
THE MINERALOGICAL RECORD  
THE MINERALOGICAL SOCIETY OF AMERICA  
ROCKS & MINERALS MAGAZINE

**OFFICERS 2007**

President	David Straw, 1555 Capri Ln, Richmond, IN 47374-1548 Strawdl@aol.com	(765) 966-4249
Vice President Programs	Robert Harman, 3209 St James Ct, Bloomington, IN 47401 bobannhar@aol.com	(812) 237-8994
Vice President Field Trips	Dr. Ernest Carlson, PO Box 1164, Brady Lake, OH 44211-1164 ecarlson@kent.edu	(330) 678-8875
Secretary (OH)	Anne Cook, 684 Quilliams, Cleveland Hts, OH 44121-1955 abcook6@juno.com	(216) 381-9003
Secretary (IN)	Vacant	
Treasurer	Lorraine Wright, 1505 S Randolph St, Indianapolis, IN 46203 Lwright@indy.rr.com	(317) 784-1159

**COMMITTEE CHAIRS**

Fund Raising	Paul Schwin, 38 W Washburn St, New London, OH 44851	(419) 929-9074
Newsletter Ed	John Blue, 16155 Shurmer Rd, Strongsville, OH 44136 jblue@n2net.net	(440) 238-4412

**PRESIDENT'S MESSAGE**

We still need a volunteer to act as secretary for the Indiana meetings. Dee Slater filled in at the March meeting; thanks Dee.

I received an email from Chris DeGrave [degrave@insightbb.com](mailto:degrave@insightbb.com) regarding galena from Indiana. He is looking for a specimen to purchase. Contact him if you have one for sale.

I am thinking of having a meeting at the Columbus, Ohio show next year rather than having two in a row at the Indiana Museum in Indianapolis. If we could do that, we would have three meetings each in both Indiana and Ohio. Right now we have four in Indiana and only two in Ohio. In 2008 the Columbus, OH show will be April 5 & 6. I spoke to Dan Hall and Craig Kramer at the Columbus show and they both indicated that that should be just fine. They will discuss at their meetings and we can do the same. The only downside to this would be that we would be having two meetings within a month or so; the Cincinnati show this year is May 5 & 6.

Don't forget to update your MSHA safety training if you plan to go on our field trips this year. Most of them will require this. The sessions coming up are on April 17 in Dayton, OH and May 11 in Columbus, OH. See the minutes of the last meeting for details.

(President's Message Cont'd)

The field trip to Fort Wayne is on April 28; contact Ernie Carlson by April 23 to be included.  
[ecarlson@kent.edu](mailto:ecarlson@kent.edu)

See you at the Cincinnati show on May 5; the meeting is at 4:00 PM. **Don't forget** that the Cincinnati show has moved back to the Cincinnati Gardens at 2250 Seymour Ave.

### MINE SAFETY TRAINING

**REMINDER:** Columbus, OH on Friday, May 11 8:00 AM - 4:30 PM at The Electrical Trade Center, 947 Goodale Blvd, which is near the junction of I-670 & Ohio 315. The course will be taught by Ohio Dept Of Natural Resources in the Electrical Union Meeting Hall. Remember! Many quarries require evidence of current training before entry. Call, write, or e-mail Dr Ernest Carlson, Department of Geology, Kent State University, Kent, OH 44242-0001, [ecarlson@kent.edu](mailto:ecarlson@kent.edu), Home: 330-678-8875 or Office: 330-672-3778 to be registered for the training.

### TUCSON VISIT

By Pres David Straw

The Tucson show was excellent as usual. The theme this year was Australia so there was a lot of nice opal on display. I went to the high end show at the Westward Look Resort this year for the first time. There were about 16 dealers with very nice and expensive things. That was quite a sight, but I can't get over the prices on high end items. I saw one sample of what I think was pyromorphite that had a notation \$40K. I asked if that meant \$40,000 and the dealer said "yes" and then sort of giggled. I didn't think the piece was all that spectacular - must have been rare or something. There were a number of pieces in the tens of thousands. Some things were in six figures!

Brian Lees brought some of his personal collection and had them on display. That was something to see! The prices on southern Illinois fluorite have gone out of sight since they closed the mines, also Elmwood material. I wish I had not sold my collection a few years ago. Next year the theme will be minerals of the USA, I am looking forward to that.

My wife and I spent the whole month of February in and around Tucson. This is our second year to do that and we have seen most of the "tourist" things. Next year we will only spend two weeks in Tucson and then move a little further north.

It was not as warm this year in southern Arizona, but it sure beat the Midwest. On the way back, we drove across the center of Texas to Fort Worth to see a cousin. I had always heard that the center of Texas is just miles of nothing, but I don't agree. There were quite a number of areas that were quite scenic.

### MINUTES OF THE FRIENDS OF MINERALOGY, MIDWEST CHAPTER MEETING, MARCH 18, 2007

President David Straw brought the meeting to order at The Indiana State Museum, Indianapolis, IN at 1:15 PM. Guests were welcomed as were an enthusiastic but small number of members. Peggy Fisher-Keller was thanked for arranging the meeting place today. No one has volunteered to be Secretary as yet. Dee Slater volunteered and was appointed Secretary Pro Tem for this meeting. The minutes of the last meeting were approved as printed in the newsletter without correction, by unanimous vote. The Treasurer's report was not available as Lorraine Wright was tending to her

(Meeting Minutes Cont'd)

ailing father. Dues are due and three members paid 2007 dues, Nelson Shaffer, Dee Slater, and Bob Armstrong gave checks to Dave Straw in lieu of the treasurer.

Newsletter expenses: Nelson Shaffer moved that John Blue be reimbursed for all expense incurred to date for creating and mailing the newsletter out. Bob Harmon seconded and the motion was carried unanimously.

Dave Straw said a current membership list is needed and he will contact the treasurer to obtain this as soon as possible.

### Old Business

Safety Training: One session was held in Bloomington and was attended by Nelson Shaffer, Bob Harmon, David Rush and Dee Slater. The next one is Tuesday, April 7, at 8:00 to 4:30 at Wegerzyn Garden Center, 1301 E. Siebenthaler Ave., Dayton, OH. Contact Kathy Bailey, 937- 426-0056 or [jimkatbailey@aol.com](mailto:jimkatbailey@aol.com) to be included in this session. If you want to go to the session to be held on Friday, May 11, 8:00 to 4:30 at the Electrical Union Meeting Hall, 947 Goodale Blvd., Columbus, OH, contact Ernie Carlson @ 330-678-8875 at home or 330-672-3778 at work or [ecarlson@kent.edu](mailto:ecarlson@kent.edu). Both of these sessions are free.

### New Business

Several members attended the recent show at Tuscon. Nelson Shaffer "Lauded the Indiana State Museum" for the Display sent to this show. It was well received and a ribbon was given to Peggy Fisher Keller for that display. Photos taken at that show were shared with all present. Nelson, Bob Harmon and David Straw are to write up a blurb of their experiences at the show and these will be forwarded to John Blue with the mins. of this meeting for possible inclusion in the newsletter.

Terry Huizing mentioned that we are affiliated with the **Rock and Mineral** magazine and that we should have it added to the front page of the newsletter. All present were in agreement to add this to the list of our affiliations.

It was suggested by Nelson that we have a display at the Cincinnati Show, the same or similar as the one at the Tucson Show. This suggestion was well received. The secy did not hear who would be in charge of providing this.

Two Books were discussed. Both are available at Borders Book Store at a very reasonable price: The **Complete Guide of Rocks and Minerals** by John Farndon is \$6.00 and **Geodes Natures Treasures** by Brad L. Cross and June Culp Zeitner is also reasonably priced. A remark on the Geodes book was that it was incomplete and the write up on Indiana Geodes was not very comprehensive or accurate. It was aimed more to the western part of the nation but was interesting.

### Field Trips

John Blue said he will be including information on "digs" sponsored by The Clement Museum in this newsletter in the future.

HANSON QUARRY: Saturday, April 28 – 9:00 to Noon, 6100 Ardmore Ave., Ft. Wayne, IN. Things to be found are large yellow fluorite, Ruby Jack sphalerite, brown fluorite, calcite, and pyrite. Some found here was featured at the Tucson Show. MSHA training certificates are not required for this trip, but hard hats, hard toed

(Meeting Minutes Cont'd)

boots and safety glasses are. You must be 18 years or older. Please let Ernie Carlson know if you are coming by Monday, April 23<sup>rd</sup>. See above for contact info.

Trips that do require MSHA training certificates are being planned for Clay Center, Auglaize, and Lime City but are not finalized yet.

Field Symposium: to be held September 29 – 30, 2007, Nelson Shaffer, Alan Goldstein, Dave Rush and others are working on this. The subject GEODES. We may start this trip in Kentucky and work our way back to Bloomington, IN. You will be notified later when plans are finalized.

### Meetings

May 5, 2007 will be our next meeting and it will be held at the Cincinnati Show. June 23, 2007 :meeting to be held at the Bloomington Show. September 8, 2007 meeting will be held at the Greenfield Show at noon. Plans for a meeting at the Cleveland Micro Symposium are in the planning stage.

Meeting adjourned

### Program

**SPEAKER:** Dr. David Bish, from the Indiana University Department of Geological Sciences, spoke on **Waters on Mars: Can Minerals Explain Present Day Martian Surface Water?** Dr. Bish gave a lecture that kept the audience, young and old, engrossed. Water, although not running, is definitely present, both at the poles and the rest of the surface. Canals were observed on Mars as early as 1876. In 1895 Percival Lowell produced a map that included polar caps. There is Geomorphological evidence suggesting water at one time flowed on Mars. 100 KM long valley networks show large sedimentary structures that were created by flowing water. Distributory Fans suggest long term flowing water. All this ended perhaps as long ago as 3.5 Billion Years Ago. The Late Noachian (Martian) Epoch lasted 3.85 to 3.5 Billion years ago and this is when the following water ceased to flow it is estimated. Now where is that water. Some may still be there, but not flowing or is it?

Our modern technology, telescopes and roving vehicles we have placed on the surface of Mars, have observed and collected information and specimens that are mind-boggling. Frost has been seen in the early morning in craters that are shielded from the sun. Where did this frost come from? Briny water does not freeze in the cold nights and there is evidence to suggest this water oozes up from below to “flow” down the declines of craters in some areas. These flows appear and fade out before our prying, recording eyes. Other water is trapped within the molecules of zeolites and smectite clays and hydrous sulfates. There is photographic, spectroscopic and chemical evidence that has been collected to suggest there is still a good deal of water present.

Our Mars Odyssey Orbiter data show high ground near the Martian equator contains water up to 10% by weight. Water is not evenly distributed. The concentration in soil is 90% mineral and 10% water. Smectite Clays on Mars, like on earth, absorb water. Dr. Bish provided a rock of this to demonstrate how water from your tongue would be pirated into the rock if you licked it. The clays contain 20% water even though it appears to be in a dry state.

Chabazite, the mineral, absorbs water and as the mineral is heated it looses it but not easily. It holds onto it tightly. The water in the atmosphere on Mars differs from day to night, something is breathing the water, is it chabazite or??? Then there are the Magnesium Sulfates in rocks. These can hold up to 60% H<sub>2</sub>O.

(Meeting Minutes Cont'd)

In 2009 DR. Bish has invented an instrument that will go to Mars and collect samples. It will be able to test rocks there and use x-ray diffraction to tell us what the rock is made of and identify the Martian rocks for us on site. This subject is to be continued obviously.

After the lecture we were treated to the Museum's display of Moon and Mars Rocks on display and could even touch them. Sorry you were not there. Provided by Dee Slater, Secy. Pro Tem

### INDIANA GALENA SPECIMENS WANTED

I'm a lead mineral collector and trying to track down a lead mineral from Indiana. If you have a galena from Rennesalaer for sale or know someone who may, please contact me. I'm fine with microminerals as well. If you know anyone who may have a specimen, please forward this info to them. Thank you, Chris DeGrave, [degrave@insightbb.com](mailto:degrave@insightbb.com)

### FT WAYNE COLLECTING

Our first field trip is to the Hanson Fort Wayne Quarry on Saturday April 28, 9:00 am to noon. MSHA training certificates are not required for this trip, but hard hats, hard toed boots and safety glasses are. You must be 18 years old. The address: 6100 Ardmore Ave., Fort Wayne 46809. Here are AAA directions from I 469S in the southern part of Fort Wayne:

1. Take exit 15 towards TILLMAN RD. Drive for 0.4 mile.
2. Turn RIGHT onto E TILLMAN ROAD. Drive for 5.6 miles.
3. E TILLMAN ROAD becomes W TILLMAN ROAD. Drive for 0.3 mile.
4. Turn LEFT onto LOWER HUNTINGTON ROAD. Drive for 2.5 miles.
5. Turn RIGHT onto ARDMORE AVENUE. Drive for 0.8 mile.
6. Meet at 9:00 am sharp at quarry entrance.

Let me know if you are coming by Monday April 23 in case of last minute changes or cancellation. The quarry is best known for large pale yellow fluorite crystals, but brown fluorite, calcite, pyrite, and sphalerite are also found. Ernie Carlson, [ecarlson@kent.edu](mailto:ecarlson@kent.edu), Office: 330-672-3778, Home: 330-678-8875

### BEN E CLEMENT MINERAL MUSEUM DIGS

Alan Goldstein advises the Clement Mineral Museum has scheduled field collecting opportunities for this summer and fall. Initial dates are April 14, May 12, and June 1, 2, 3. The latter dates are during their annual show. Space is limited to 30 per date. Digs for private groups of 10 or more can be scheduled at anytime. Contact Ben E Clement Mineral Museum, PO Box 391, Marion KY 42064, (270) 965-4263, [beclement@kynet.biz](mailto:beclement@kynet.biz) to make arrangements. There is still dealer space available for the June show.

Later dates will appear in subsequent newsletters

**EDITOR'S NOTES:** Thanks to those who submitted information for this newsletter. Bob Harman wrote of his Tucson trip which will appear in the next edition. Thanks also to Dee Slater for submitting the meeting minutes in timely fashion. **DON'T FORGET THE NEXT MEETING!** 4:00 PM, Cincinnati Mineral Society Show, Cincinnati Gardens, 2250 Seymour Ave, Cincinnati, May 5, 2007. Come early and enjoy a great show.

After the egg hunt on Easter, a young farm boy decided to play a prank. He went into the chicken coop and replaced every egg with a brightly colored one. A few minutes later the rooster walked in, saw all the eggs, stormed outside, and killed the peacock. From Lapidary Chatter, 4/01.