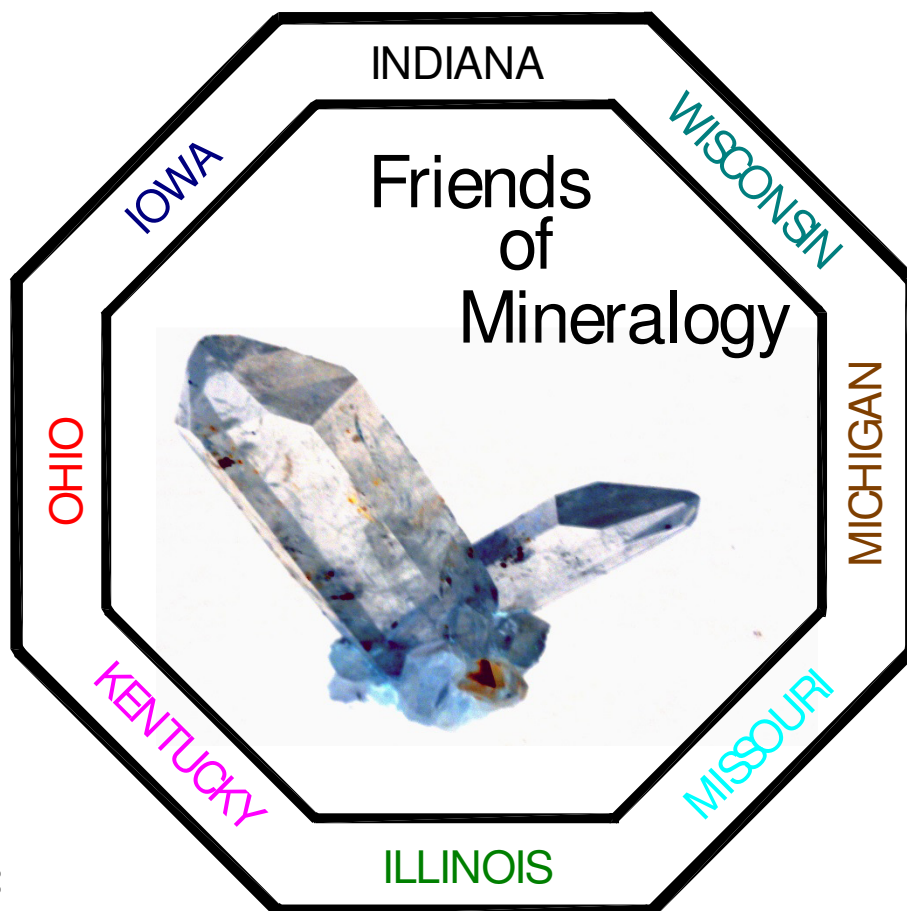


Friends of Mineralogy

Midwest Chapter Newsletter for

May – June 2015



Affiliations:

THE MINERALOGICAL RECORD

THE MINERALOGICAL SOCIETY OF AMERICA

AMERICAN GEOLOGICAL INSTITUTE

ROCKS & MINERALS MAGAZINE

Our purpose is to organize and promote interest in and knowledge of mineralogy; to advance mineralogical education; to protect and preserve mineral specimens and promote conservation of mineral localities; to further cooperation between amateur and professional and encourage collection of minerals for educational value; and to support publications about mineralogy and about the programs of kindred organizations.

Newsletter published bi-monthly in January, March, May, July, September and November. Please submit all information for publication in the newsletter by the 15th of the previous month.

Marblehead Field trip report in this issue



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The next FM general meeting will be on Saturday, May, 2nd at 4:30pm. It will be held in conjunction with 2015 Geofair . The event is now held at the Sharonville Convention Center, 11355 Chester Road, Sharonville, OH. This is just north of Cincinnati off of I-75.

2015 Officers

President - Clyde Spencer, 1858 Robin Hood Dr., Fairborn, Ohio 45324
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Vice President Programs -Randy Marsh, 6152 Old Stone Ct.,
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Secretary - Vacant

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Fund Raising (Committee Chair) - Vacant

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As part of our efforts to raise additional funds for chapter activities, we will be manning a swap table at this years Geofair. The swap table hours will be from 10:00am to 6:00pm on Saturday, May 2nd. The swap table will have a variety of minerals, books, journals, a small amount of equipment, chapter T-shirts and mugs for sale. Please come and show your support for our chapter by visiting the swap table.

President's Message

Another two months have slipped by and I don't know where the time went! For those of you who missed out on buying a T-shirt last year, Tom Bolka placed another order, which I just paid for and picked-up today. They will be for sale initially at our swap table at GeoFair 2015. They will probably go quickly, so don't miss out on them again! If we don't sell out on May 2nd, we'll bring them along on field trips until such time as they are sold out.

Friends of Mineralogy

From The office of the President

Clyde Spencer

Speaking of GeoFair 2015, besides the usual vendors and the swap table area, there will be interesting talks Saturday afternoon before our chapter general meeting. Note that the location has changed. For information and a discount coupon, go to this link: <http://geofair.com/>. Randy, Heather, and Jeff will be staffing the swap table, along with help from others such as myself. However, I was 'volunteered' to help staff the public mineral identification table, so that is going to take a couple hours of my time.

Randy Marsh organized another excellent symposium (Native Metals) held at Miami University last month. I also want to thank him and Heather for providing coffee and donuts for everyone. The attendance was much better than last year. We anticipate that this will be an ongoing event that will soon rival Tucson! We had some first-class professionals give talks on topics of crystal forms and habits, as well as the latest technology for probing dense elements with neutrons to determine crystallinity. For those unfamiliar with things like a scanning electron microscope, there was a demonstration of the equipment. These seminars are also providing students at Miami University with an opportunity for public speaking with their peers. If you didn't attend this year or last, I hope you will mark your calendar for March 2016. Next year, the topic will probably be fluorite. So, if you have something to share, please consider applying for an opportunity to be a presenter.

One item of FM business that needs to be discussed at the chapter general meeting is the large number of people who pay their membership dues very late. It creates problems for both the treasurer and the field trip chairman. In addition, we have to pay for insurance and reimburse FM National for members. Late payments delay our requirement to pay those commitments. Accordingly, Reggie Rose has made some suggestions that he or I will present for consideration.

I noticed an announcement in the Midwest Federation newsletter about a couple of classic localities recently closed to collecting in Pennsylvania. Both owners of the localities cited "over collecting," the use of power tools, and selling specimens on eBay as reasons for closure. I can appreciate that there might be concern about greater risk of accidents with power tools; however, I'm not sure why they should be concerned about collectors selling their 'seconds' on eBay. It may be an issue of setting proper expectations with the owners. In any event, I wanted to bring this to your attention so that you might be sensitive to how your personal collecting practices might affect other collectors and the avocation.

Treasurers Report

Chapter treasury and membership as of 4/18/2015

2015 Income

We began the year with a balance of \$1938.29. This included \$400.00 for twenty 2015 member registrations paid in 2014. Since Jan. 1, 78 additional members have registered bringing in \$1560.00. We also received \$60.00 for advance payment of 2016 dues.

2015 Expenses

Pens and mugs for promoting the chapter:	\$186.55
Symposium speaker expense reimbursement	\$200.00
T-shirt printing costs:	\$335.20
Insurance premium to Johnson-Witkemper, Inc.	\$675.00

This gives us a current balance of \$2,141.54

Outstanding Items

The National Chapter has agreed to reimburse us for the \$200.00 symposium expenses that we have not yet received. We currently owe 2015 National Dues of (98 members x \$4.00) \$392.00

Fund Raising Activities

Randy Marsh has arranged for us to sell mugs, t-shirts, donated specimens, books and other items at the Cincinnati Gem and Mineral Show to benefit the chapter. Please contact him if you have items we can sell. We will provide a receipt for tax purposes to the donor upon sale of the items.

Membership Report

As of April 18th, we have 98 active members. Seventeen members from last year have not re-registered yet and we have 11 new members.

2014 Audit

Stephen Shimatzki performed the audit on our 2014 records. Here are his results. If anyone else would like to review the records please send me an email.

<i>2014 FOM Cash Flow Audit</i>			<i>Source(s)</i>
<i>Jan. 2</i>	Beginning Balance	\$1,622.17	(January Statement)
	Deposits	\$2,795.00	(Matches General Ledger and Roster)
	Withdrawals	-\$2,478.88	(Matches General Ledger and Monthly Statements)
<i>Dec. 31</i>	Ending Balance	\$1,938.29	(December Statement)

Jeff A. Spencer - Treasurer

Geographic map of current FM membership



Quarry Travel & Event Guide for May and June

Field Trip Locality: Dolomite Products Inc.

Address: 746 Whalen Road, Penfield, NY 14526

County: Monroe

Date of Trip: Saturday May 02, 2015

Time of Field Trip: 7:00 am – 12:00 pm (check-in is from 6:45 am to 7 am)

From Grove City, OH: via toll roads: 411 miles; without toll roads 459 miles

Travel Time: From Grove City, OH; exit 100 on I 71: via toll roads: 6:09; without toll roads: 6:55

Age of Rock: Lower Devonian- the rock here is 410 million years old
(Devonian 415-355 mya)

Rock Units Exposed: Lockport Dolomite

Training Required: On-site

Specimens Present: calcite, dolomite, fluorite, selenite, sphalerite

Special Considerations: FM will be one of several clubs at this open house. Be there early to get checked in since the group will be large. Power equipment including saws, is allowed.

Quarry Location: From Grove City, OH, exit 100, I - 71 Ohio:

I 71 North from exit 100 to exit 220 (enter I 271N) 120.0 mi. - 1:42

I 271 North @ exit 220 of I 71 N TO I 90 E 46.3 mi. - 0:44

I 271 North ends; begin I 90 East @ mile 190, I 90 East OH to I 90 East PA, 53.0 mi. - 0:50

I 90 East PA Line to I 90 East NY Line, 46.9 mi. - 0:43

I 90 East NY Line to I 390 (Rochester exit 46) 129.6 mi. - 2:12

I 390 North (Rochester) to I 590 N (Rochester) 9.0 mi. - 0:10

I 590 to exit 07 (286 E/Browncroft Road) 5.7 mi. - 0:07

From 286 E turn right/south onto Whalen Road (CR 13) 7.4 mi. - 0:11

Proceed South on Whalen Road to quarry entrance on the left 0.9 mi. - 0:03

Cincinnati GeoFair® 2015

Sharonville Convention Center, 11355 Chester Road, Sharonville, Ohio

May 2nd (10 to 6) & May 3th (11 to 5)

From the North Via I-75:

Take I-75 South to the Sharon Road Exit (#15). Turn right on Sharon Road. Go one block to Chester Road and turn right. The Convention Center is located ½ mile on the left.

From the North Via I-71:

Take I-71 South to I-275 West. Take I-75 South toward Cincinnati to the Sharon Road Exit (#15). Turn right on Sharon Road. Go one block to Chester Road and turn right. The Convention Center is located ½ mile on the left.

From the South Via I-75/I-71:

Take I-75 North to the Sharon Road Exit (#15). Turn left on Sharon Road. Go one block to Chester Road and turn right. The Convention Center is located ½ mile on the left.

Admission

Adults.....\$9	Two day pass.....\$12
Children....\$3	Uniformed Scouts free
Scout leaders pay adult rates	

Field Trip Locality: Stoneco - Auglaize - Junction, OH**Address:** 13762 Road 179, Oakwood (Junction), OH 45873**Date of Trip:** Saturday May 30, 2015**Time of Field Trip:** 7:00 am – 11:30 am**Travel Time from Designated Point:** 2:30 from central Ohio**Age of Rock:** Middle Devonian**Rock Units:** The Detroit River Group**Specimens Present:** Auglaize Quarry is best known for its crystals of iridescent brown fluorite, along with sphalerite, calcite, pyrite, quartz, and hydrocarbons. The minerals are found in pockets and fractures of quarry dolostones.**Training Required:** MSHA**Quarry Location:** The Shelly – Stoneco Auglaize Quarry is in Paulding County, Ohio. Take route 111 SW from Defiance about 8 miles to Ohio State Route 637, just east of Junction. Go east a short distance across the Auglaize River, and turn south on Paulding County Road 179. The Quarry office on the east (left) side of the road.

From the south, Take I - 75 N to exit 130 (Bluelick Road). Take Bluelick Road 3.5 miles west to route 65. Take route 65 N/R for 1.6 miles where you will bear left onto route 115 N – take this route 7 miles into Kalida and continue in 115 N for 19.5 miles until its junction with route 15. Go W/L on route 15 for 0.5 miles to route 613. Go W/L on Route 613 for 9 miles passing through Continental, Hartsburg & Oakwood. At the junction of 613W and route 66 west of Oakwood, take Route 66 N/R, 5 miles later, take route 166 L/W. 2.6 miles down the road turn right (N) onto County Rd 179. Take 179 N for 1.3 miles. The quarry entrance is on your right.

Cleveland Area Gem and Mineral Show ROCKaRAMA**DATE/TIME:** May 16-17, 10:00 AM – 5:00 PM**LOCATION:** Soccer Sportsplex, North Olmstead, Ohio**SPONSORED BY:** Parma Lapidary Club**Maine Pegmatite Workshop****DATE/TIME:** May 29 - June 6**LOCATION:** Poland Mining Camps, Poland, Maine**54th Annual Jewelry, Gem, Rock and Mineral Show****DATE/TIME:** June 5-7**LOCATION:** Fulton County Fairgrounds, Wauseon, Ohio**SPONSORED BY:** State Line Gem and Mineral Society**Pipecreek Jr Field Trip****DATE/TIME:** June 20 9:30 AM to 2:00 PM**LOCATION:** Swayzee, Indiana**50th Annual Mineral, Fossil Show and Swap****DATE/TIME:** June 26 10:00 AM – 6:30 PM, June 27 9:00 AM – 6:30 PM, June 28 10:00 AM- 4:00 PM**LOCATION:** Lawrence County Fairgrounds, Bedford, IN**HOST/COORDINATOR:** Dave Treffinger (djt5766jkft@msn.com)

Marblehead Field Trip 4/11/2015



We kicked off the new year of collecting with a field trip to the Lafarge Marblehead quarry near Sandusky, Ohio. A total of 29 people ventured down into the quarry in search of specimens. Marblehead quarry is one of the largest (with 2500 acres of land) and highest volume quarries in Ohio and on the Great Lakes, producing over 4 million tons of construction aggregates annually. Much of this material is transported to customers via lake freighters. The quarry was loading a ship during our field trip.

Our hosts at the quarry were very friendly and allowed us to remain in the quarry for a few extra hours. After a pleasant 15 minute drive down into the quarry while watching bald eagles fly overhead, the group was allowed to spread out on the quarry floor to the piles located there. Mike Royal took out his patented fluorite tracking device and quickly honed in on a juicy vein running through the quarry floor. This vein produced some very nice specimens of dark purple fluorite cubes with calcite.



Dave Esch proudly showing off two nice specimens pulled from the Royal vein

As usual, John Lindsay also managed to zoom in on some nice specimens in the quarry. One rather large specimen he found contained multiple vugs of dark chocolate calcite.



John Lindsay's chocolate brown calcite nestled inside vugs

This was Bob Kreiling's first trip down into a quarry and he had a nice bout of beginner's luck, finding a large pocket of purple fluorite cubes and calcite crystals with a light dusting of fluffy barite in places.



Bob showing off his specimen (close-up on the right)

Randy Marsh managed to find a 5 ton boulder with a huge vug in it filled with thumb-size or bigger, double-terminated calcite crystals. He and Bob started working on it together. Turns out there wasn't just one vug, there was a whole bunch of them, each filled with crystals. The boulder was chock full of fossil sponges that had been replaced by calcite crystals. An example of one sponge is shown below (roughly 3 inches across). There wasn't enough time to get far enough into the rock for the biggest crystals... It will be waiting there for the next collector!



One of Randy's fossil sponges with calcite crystals

A good time was had by all on this trip with many more specimens being found. Let's hope we do as well at the upcoming trips at Auglaize and Pipe Creek Junior! Happy hunting!

3rd Annual Friends of Mineralogy Midwest Chapter Mineralogical Symposium at Miami University



Friends of Mineralogy Midwest Chapter held its annual symposium on Saturday, March 14. This year's theme was Native Metals. Our thanks go to John Rakovan for being our host, to John Jaszczak for traveling from Michigan Technological University to give the keynote lecture, and to Terry Huizing from the Cincinnati Mineral Society for sharing in the travel expenses associated with the keynote speaker.

The event was well attended with roughly 50-60 members and students in attendance throughout the day. John Jaszczak started things off with a lively talk on the *Many Facets of Copper Crystals*. No respectable symposium on native metals could leave out gold, so we enjoyed two presentations on this captivating metal, the first from Pete Richards on *The Bizarre Habits of Crystallized Gold: Examples from the Keith Proctor Collector*, and the second from John Rakovan on *Magnificent Gold Crystals from Venezuela*. We were then treated to a working session on Scanning Electron Microscopy and Energy Dispersive X-Ray Spectroscopy (SEM-EDS) by Sean Kelly. Michele Burke then gave a presentation on *Native Metal Investigations using Electron Microscopy*, followed by Josh Silverstein talking about *Morphological Evidence of Authigenic Gold Deposition in Lateritic Placer Deposits from the Guyana Shield in Venezuela*. To cap off the day, our own Clyde Spencer showed us the ropes on *Prospecting for PGMs in Northern California*.

Plenty of conversation and camaraderie was enjoyed by all. It was very encouraging to see the increase in attendance this year, and I sincerely hope that this trend continues. Rumor has it that next year's topic will have something to do with Midwest fluorite. Looking forward to seeing you there!

Randy

Randall Marsh, PhD
First Vice-President
Program Committee Chairman
Friends of Mineralogy Midwest Chapter



John Jaszczak giving the keynote lecture on *The Many Facets of Copper Crystals*



Symposium guest enjoying a lively presentation from John Jaszczak



Pete Richards teaching us about the crystal forms of gold