

Friends of Mineralogy



**Midwest Chapter Newsletter for
March – April 2017**

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Our next chapter meeting will be on March 11th at Miami University. The meeting time is at 9:30 and is in association with our 5th Annual FM Midwest Chapter Symposium (page 15)



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.

Chapter Website:

www.fommidwest.org

National Website:

www.friendsofmineralogy.org

On the Cover –

Calcite Pocket

Caldwell Stone

Danville, Kentucky

Approximately 4.0 x 2.0"

Tom Bolka photo

2017 Officers

President - Ken Bladh, 132 East 2nd St., Springfield, Ohio 45504
(937)390-1742 president@fommidwest.org

Vice President Programs –Randy Marsh, 6152 Old Stone Ct.,
Hamilton, Ohio 45011
(513)515-7890 vpprograms@fommidwest.org

Vice President Field Trips - Reggie Rose, 4287 Parkmead Dr.
Grove City, Ohio 43123
(614)875-2675 vpfieldtrips@fommidwest.org

Secretary – Frank Konieczki, 50355 W. Huron River Dr.
Belleville, Michigan 48111
(734)-699-3321 secretary@fommidwest.org

Treasurer - Jeff Spencer, 4948 Beechwood Road, Cincinnati, Ohio 45244
(513)248-0533 treasurer@fommidwest.org

Liaison Officer – Clyde Spencer, 1858 Robin Hood Dr., Fairborn, Ohio 45324
(937) 878-9988 liaisonofficer@fommidwest.org

Fund Raising (Committee Chair) - Vacant

Newsletter (Committee Chair) Tom Bolka, 2275 Capestrano Dr.
Xenia, Ohio 45385
(937)760-6864 newsletter@fommidwest.org

Affiliations:

THE MINERALOGICAL RECORD
THE MINERALOGICAL SOCIETY OF AMERICA
AMERICAN GEOLOGICAL INSTITUTE
MINERALOGICAL ASSOCIATION OF CANADA
ROCKS & MINERALS MAGAZINE
MINERAL NEWS
MINDAT

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.



Friends of Mineralogy

Midwest Chapter President – Ken Bladh

President's Message - Impressions of the 2017 Tucson Gem & Mineral Show

My first experience with the TG&M Show was as a graduate student at the University of Arizona in the 1970s, when it was held under the grandstands of the rodeo grounds! I've had the privilege over the subsequent decades to attend the show occasionally as it grew up and became an international event. This year, I was unable to arrive before the show opened on Thursday so unfortunately I could not scour the hundreds of motel rooms around town full of mineral dealers the two weeks before the TG&M Show opens. That alone is an experience of a lifetime. However, the 4-day show itself has much to justify the time and expense of visiting this part of the Southwestern US desert in February.

The show theme this year for exhibits and illustrated lectures was "Mineral Treasures of the Midwest". The price of admission allows hours of looking at world-class displays and thousands of minerals of all sizes (and prices) for sale. The Friends of Mineralogy case was excellent and a photo of it appears on page 10. Some of the dealers on the main floor now have prices on their museum-quality specimens in custom display cases marked "POR". Which means "price on request" and I took that to mean if you have to ask, you can't afford it! Fortunately, there is no charge for "window shopping". None-the-less, there is a lot at the Tucson Show for mineral enthusiasts with small bank rolls. Free options include the illustrated talks given on mineralogical topics at the Arthur Roe Micromount Symposium in addition to the Symposium on Midwest Minerals co-sponsored by Friends of Mineralogy. As an example, Terry Huising gave an excellent talk with photos from his article in *Rocks & Minerals* (January/February 2017 co-authored with Pete Richards, Janet Clifford and Robert Cook) on Midwest calcites. Some of the illustrated specimens were on display in Terry's guest exhibit case (my apologies, photography through glass is an art that I have not fully mastered). If you have not read this article with excellent color photos – do so as soon as you can. (Did you notice the leaning scalenohedron in the photo below? Someone probably accidentally bumped the case.)



There was an impressive guest exhibit with specimens from the 2006 fluorite pockets found at Clay Center by Gene Novotny and Gail Deck. Brown fluorite has never looked so good! The cubes perched among celestine spears are awesome.



I was surprised by the guest exhibit of the Natural History Museum, London (England) that compared the Midlands minerals of the United Kingdom to those of the US Midwest. Visually identical specimens of copper, calcite, fluorite and quartz from the two quite distant regions placed side-by-side persuasively proved the exhibit's theme.



Even some Arizona institutional collections contained good quality Midwest minerals. The next photo shows specimens from the Flagg Foundation.



There were fabulous exhibits of copper specimens from the Upper Peninsula of Michigan (no photos), fluorites from southern Illinois (Jim Gebel) and the world, and minerals of the Tri-State district (Colorado School of Mines). You could spend an hour at each case pondering the details of crystal morphology, color and associated species.





And there was much more ... Hundreds of photos of the exhibits, specimens and people at the Main Show are at <http://www.mineral-forum.com/message-board/viewtopic.php?p=55803#55803> sponsored by the Friends of Minerals Forum. If you have the time to browse, it's also free ...

Hope to see many of you at the Friends of Mineralogy Symposium at Miami University on March 11th.

Also remember that MSHA training will be offered Saturday, March 18, 2017 from 9:00 am -2:00 pm at Wittenberg University (details elsewhere in this newsletter).

Ken Bladh

Treasurer's Report

2/15/17

2016 Annual Report-unaudited

The Midwest Chapter began 2016 with \$4092.81 in our treasury. This included \$870.00 in 2016 dues paid in 2015. At year-end 2016, we had 115 members, up 4 from 2015. Twenty three new members signed up and 19 members from 2015 did not re-register. \$1440.00 in 2016 dues and \$740.00 in 2017 dues were collected in 2016 for a total of \$2180.00. As of 12/31/2016, 37 members had registered for 2017.

An additional income of \$1190.00 was generated through donations at the symposium, the Cincinnati Show swap table, the Agate Association Auction and other fund-raising efforts. The registration form for 2017 was updated to allow registering members to make additional donations for the Symposium or the general treasury. This yielded \$150.00 for the symposium and \$40.00 for the general fund.

Total income for 2016 was \$3370.00.

The Chapter had \$1934.08 in expenses during 2016. This included symposium expenses (\$641.50), a 2- year payment for domain registration and hosting for the new website (\$166.42), insurance (\$650.00), fund-raising expenses (\$37.00) and National dues (\$440.00). Fifty dollars in additional dues payments (including \$38.00 for previous years) was sent to National, but the checks were not cashed until 2017.

This yielded a surplus of \$1435.08 for 2016, and a total year-end balance of \$5,527.89.

2017 Interim Report

An additional 41 members (including 3 new members) have registered in 2017 yielding \$820.00. Ninety dollars in donations for the symposium were received and \$60.00 for the general treasury. Total income so far in 2017 is \$970.00.

After reviewing all the chapter records and reviewing Federal and State codes, I determined that we were not in compliance and had never filed the required documentation with either the State or Federal authorities. We had never filed for or received an official 501-3(c) letter of exemption. With the Board's authorization, I filed the exemption request and paid the \$275.00 filing fee. We received our official exemption Feb. 10th. I was then able to file our required 2016 990-B with the IRS and provide the exemption letter and 2016 annual report to the Ohio Attorney General.

Other expenses paid this year include 2017 National dues for 76 members (\$304.00), newsletter expenses (\$66.61), Checks to National from 2016 that were not cashed until recently (\$50.00) and officer business cards and swap table registration (\$118.70). Total expenses for 2017 so far are \$814.31. This puts our current balance at \$5683.58. Significant budgeted expenses for the remainder of the year are our insurance payment of \$650.00 and the Symposium, for which we have budgeted \$1000.00.

If anyone would like a detailed financial statement copy, please email me at treasurer@fommidwest.org. I am also looking for a member to perform the required annual audit for 2016 if you would like to volunteer.

Jeff Spencer – Treasurer



Chapter member Stan Esbenshade receives the Mineralogical Record's 2017 American Mineral Heritage Award



The American Mineral Heritage Award was established by the *Mineralogical Record* in 2012 to recognize a field collector whose personal discoveries in the Americas have contributed most significantly to the cumulative heritage of aesthetic and/or scientific mineral specimens preserved in museums and private collections worldwide. A panel of prominent mineral collectors, museum curators, and mineral dealers, under the direction of panel chairman Gene Meieran, chose **Midwest Chapter member Stan Esbenshade**, of Tucson Arizona, as the 2017 recipient of the award. Stan grew up near Ashland Ohio and received his Geology degree at The Ohio State University before relocating to Tucson. He has been involved in numerous mining and specimen recovery projects over the years and has been an active Midwest Chapter member for many years. Please congratulate him next time you see him.

FUNDRAISING CAMPAIGN AT ORTON GEOLOGICAL MUSEUM TO STIMULATE INTEREST IN EARTH SCIENCES

To help get kids excited about science, our friends at the Orton Geological Museum at The Ohio State University will be embarking on a fundraising campaign to get a dinosaur skeleton at Orton Hall. Little gets kids as excited about science as dinosaurs. The hope is that, by stimulating this interest, we will encourage some of these kids to consider careers in paleontology and geology. The crowdfunding campaign will run during the month of March. You can donate using a check payable to Orton Museum Support Fund #308759, sent to the Orton Museum, 155 South Oval, Columbus, OH 43210.

Feel free to contact Dale Gnidovec, Curator of the Orton Geological Museum at gnidovec.1@osu.edu for further details.

2017 Ohio MSHA Classes

The following 2017 MSHA opportunities exist for members interested in collecting minerals or fossils on quarry field trips in the Midwest region. As of press time for the March-April FM newsletter, I have no information on classes which may be taught in South Bend, IN or the state of Michigan. If any one hears of classes in these two regions or any additional classes not listed below, send me the details and I will share this new information with our FM membership.

Reggie Rose, FM

Lexington, Kentucky: Saturday 03-04-17

If Kentucky is geographically more convenient for you, there will be an MSHA class taught in Lexington, KY on March 04, 2017. There is a \$30 cost for the class. To attend this class and get the hours and address call Lexington/FM collector Ed Odell at 859-224-4096 or edodell@twc.com.

Wittenberg University, Springfield, OH: Sat 03-18-17

MSHA training will be offered Saturday, March 18, 2017 from 9:00 am -2:00 pm in Room 262 Barbara Deer Kuss Science Center at Wittenberg University, 315 Bill Edwards Drive, Springfield, Ohio. Parking is available directly across the street from the Science Center. The class will include specialized collector specific instruction from ODNR safety expert Scott Kell. Contact FM Program VP Randy Marsh at marsh.rg@pg.com or 513-515-7890 to attend.

Mansfield Public Library, Mansfield, Ohio: Friday 03-30-17

MSHA training will be offered Thursday March 30, 2017, from 9 am – 1 pm at the Mansfield Public Library, 43 West Third Street, Mansfield, Ohio, 44902. The class will include instruction from ODNR personnel. The library asks that you park in the lot just east of the library on the same side of the street. Do not use the garage. Contact Mansfield member Bill Byrley. Email - bbyrley@insight.rr.com, phone (voice) (614) 268-6828 or (or text) (614) 230-7408.

ODNR, Columbus, Ohio: Friday 04-14-17

MSHA training will be offered Friday April 14, 2017, from 9 am – 1 pm at the ODNR, 2045 Morse Road, Columbus, Ohio, in Building E1 in the Assembly Center lecture room. The class will include specialized collector specific instruction from ODNR safety expert Scott Kell. Contact Field Trip Chairman Reggie Rose at captaino@core.com or 614-875-2675 to attend.

Fulton County Fairgrounds Junior Fair Building in Wauseon, OH: Saturday 06-03-17

MSHA training will be offered Saturday June 03, 2017, from 10 am to 3 pm at the Fulton County Fairgrounds in Wauseon, Ohio. The Fair Grounds are located at 1814 SR 108. It is located south of Hwy 20 on Hwy 108, just north of the Ohio Turnpike off Exit 34, west of Toledo, OH and just south of the Michigan State Line. Hours for the June 2-4 show are Friday 12-6, Saturday 10-6, and Sunday 11-4. Admission is \$4 for adults and \$3 seniors and students, and free for children 12 and under. There is a \$30 fee to take this MSHA course taught by Joel Vicary. To register for the course, contact show chairman Sherm Kardatzke at sakardatzke@mcom.com or 517-673-5487.





***FM Midwest's display case of self-collected Midwest mineral specimens at the
2017 Tucson Gem & Mineral Show***

Donors to the case were Jeff Spencer, Rich Reiter, Randy Marsh, Clyde Spencer, Stan Esbenshade, Joe Brafford and Tom Kottyan. Consistent with the Midwest theme of the show, our objective was to show off the kind of specimens that can be found in this region, especially specimens other than the well-known fluorites from the Illinois-Kentucky fluorspar region. We had a well-rounded choice of minerals, covering specimens collected at a variety of locales in Ohio, Indiana, southern Michigan and Kentucky.

FM represented at this year's Geofest in Indianapolis

For the fourth consecutive year, our Midwest Chapter set up a booth at the annual GeoFest event at Indiana Museum Center in Indianapolis. This booth gives us a chance to drive public awareness of our Chapter and to explain what Friends of Mineralogy is about. This year we did not sign up any new members at the booth (in contrast to some of the previous years) but we did make a lot of kids very happy by giving away pieces of selenite from the Mitchell quarry in Indiana (collected by Randy Marsh several



years ago). It is always nice to see the look of fascination and curiosity on kid's faces when they get to touch (and in some cases keep!) mineral specimens. Let's hope some of these kids become mineralogists. Another bonus of attending GeoFest is that we get passes into the vendor area and the entire museum. In sharp contrast to Tucson, the prices were quite reasonable. Bob Harmon, historical President of the Chapter, donated some of his Indiana geodes to the museum. These are now on permanent display."

Donations are requested for the Silent Auction table at the March 11th symposium.

***Contact FM Program VP Randy Marsh
(marsh.rg@pg.com, 513-515-7890) with any questions.***

Quarry Travel / Event Guide

Month	Event Details	Field Trip or Other Details
MARCH	TITLE: Eastern Indiana Gem & Geological Society Annual Gem, Mineral and Fossil Show DATE/TIME: Friday & Saturday Mar 3-4, 2017 10:00 AM – 6:00 PM, Sunday Mar 5, 2017 11:00 AM – 4:00 PM LOCATION: Wayne County Fairgrounds, 861 Salisbury Road, Richmond, IN HOST/COORDINATOR: Joe Wirrig (sunow@frontier.com)	
	TITLE: 5 th Annual FM Midwest Chapter Symposium – Sphalerite & Wurtzite: The ZnS Polymorphs DATE/TIME: Saturday, Mar 11, 2017 10:00 AM – 4:30 PM LOCATION: 152 Shideler Hall, Miami University, Oxford, OH HOST/COORDINATOR: John Rakovan (rakovajf@miamioh.edu) ACTIVITY: Chapter meeting, symposium, silent auction	March Chapter Meeting
	TITLE: Collector-specific Annual Refresher Training by Scott Kell DATE/TIME: Sat, Mar 18, 2017 9:00 AM – 2:00 PM LOCATION: Wittenberg University, 315 Bill Edwards Drive, Springfield, OH	
	TITLE: Lexington Rock, Gem and Jewelry Show DATE/TIME: Sat, Mar 25, 2017 9:00 AM – 6:00 PM and Sunday, Mar 26, 2017 11:00 AM – 5:00 PM LOCATION: Clarion Hotel Convention Center, 1950 Newtown Pike, Lexington, KY	
	TITLE: Buffalo Geological Society Gem, Mineral and Fossil Show DATE/TIME: Sat, Mar 25, 2017 and Sun, Mar 26, 2017 LOCATION: Fairgrounds in Hamburg, NY HOST/COORDINATOR: BGSNY (buffalogeological@gmail.com)	
	TITLE: 19 th Annual Spring Indianapolis Bead, Gem, Mineral & Jewelry Show DATE/TIME: Friday, Mar 31, 2017 to Sunday, Apr 2, 2017 LOCATION: Indiana State Fairgrounds, 1202 East 38 th Street, Indianapolis, IN HOST/COORDINATOR: Van Wimmer (van@toteshow.com)	



APRIL	TITLE: Des Plaines Valley Geological Society's Annual Gem, Mineral and Fossil Show DATE/TIME: Sat, Apr 1, 2017 9:30-5:00 and Sun, Apr 2, 2017 10:00-4:00 LOCATION: Des Plaines Park Dist Leisure Center, 2222 Birch St, Des Plaines, IL HOST/COORDINATOR: Karen Schuster (kschuster921@aol.com)	
	TITLE: 43 rd Annual Central Ohio Mineral, Fossil and Gem Show DATE/TIME: Saturday, Apr 8, 2017 and Sunday, Apr 9, 2017 10:00 AM – 6:00 PM LOCATION: Northland Performing Arts Center, 4411 Tamarack Blvd, Columbus, OH SPONSORED BY: Columbus Rock and Mineral Society	
	TITLE: MSHA Annual Refresher Training DATE/TIME: Fri, Apr 14, 2017 9:00 AM – 1:00 PM LOCATION: ODNR, 2045 Morse Road Columbus, OH COORDINATOR: Reggie Rose (captaino@core.com)	
	TITLE: 44 th Rochester Mineralogical Symposium DATE/TIME: Thursday, Apr 20, 2017 to Sunday, Apr 23, 2017 LOCATION: Radisson Hotel Rochester Airport at 175 Jefferson Road, Rochester, NY	
	TITLE: Spring Gemboree 2017 SPONSORED BY: The Akron Mineral Society and The Summit Lapidary Club DATE/TIME: Sat, Apr 22, 2017 and Sun, Apr 23, 2017 LOCATION: Emidio and Sons Expo Center, 48 East Bath Road, Cuyahoga Falls, Ohio	
MAY	TITLE: GeoFair 2017 – Quartz: Crystals & Gems DATE/TIME: Saturday, May 6, 2017 10:00 AM - 6:00 PM and Sunday, May 7, 2017 11:00 AM – 5:00 PM LOCATION: Sharonville Convention Center, 11355 Chester Road, Cincinnati, OH HOST/COORDINATOR: Terry Huizing (tehuizing@fuse.net) ACTIVITY: Chapter meeting scheduled for 4:30 PM on Saturday May 6	May Chapter Meeting
	TITLE: New England Mineral Conference DATE/TIME: Fri, May 12, 2017 to Sun, May 14, 2017 LOCATION: Grand Summit Resort Hotel and Conference Center, Sunday River, Newry, ME	



	TITLE: Cleveland Area Gem and Mineral Show ROCKaRAMA DATE/TIME: Sat, May 2 10:00 AM -5:00 PM and Sun, May 21, 2017 10:00 AM – 5:00 PM LOCATION: Soccer Sportsplex, North Olmstead, Ohio SPONSORED BY: Parma Lapidary Club	
	TITLE: Maine Pegmatite Workshop DATE/TIME: May 26, 2017 to Jun 3, 2017 LOCATION: Poland Mining Camps, Poland, Maine HOST: Ray Sprague <rasprague@mac.com>	



Friends of Mineralogy Midwest Chapter
5th Annual Mineralogical Symposium
SPHALERITE AND WURTZITE: THE ZNS POLYMORPHS
(Hosted By the Karl E. Limper Geology Museum)



DATE: Saturday March 11, 2017

TIME: 9:30 AM – 4:30 PM

LOCATION: 152 Shideler Hall (Spring Street & Patterson Ave), Miami University, Oxford, OH

CONTACTS: John Rakovan (rakovajf@miamioh.edu or 513-529-3245)

Randy Marsh (vpprograms@fommidwest.org or 513-515-7890)

DETAILED AGENDA:

9:30-10:00 FM Midwest Chapter Meeting (open to all)

10:00-11:00 *The Grey, the Black & the Ugly: Rare Sulfides & Sulfosalts from Uchucchacua & Tuscany*
– Frank Keutsch⁽¹⁾

11:00-11:30 *Geochemistry of Sphalerite Precipitation in MVT Deposits* – Martin Appold⁽²⁾

11:30-12:00 *Crystal Structures of the ZnS Polymorphs* - John Rakovan⁽³⁾

12:00-1:30 Lunch Break and Viewing Time for Specimens

1:30-2:00 *Wurtzite from Western Pennsylvania and Eastern Ohio* – R. Peter Richards⁽⁴⁾

2:00-2:30 *Collecting Sphalerite* - Sandy Ludlum⁽⁵⁾

2:30-3:00 *Materials Applications of Zinc Sulfide* - Wladyslaw Betkowski⁽⁶⁾

3:00-3:30 *Serendipitous Sphalerite*– John Medici⁽⁷⁾

3:30-4:30 Viewing Time for Specimens

1 Professor of Chemistry and Atmospheric Science, School of Engineering and Applied Sciences and Department of Chemistry, Harvard University

2 Associate Professor of Hydrogeology, Economic Geology and Geochemistry, Department of Geological Sciences, University of Missouri Columbia

3 Professor of Mineralogy/Geochemistry & Grad. Director, Department of Geology & Environmental Earth Science, Miami University, Oxford, Ohio

4 Affiliate Scholar, Department of Geology, Oberlin College, Oberlin, Ohio

5 Natural History Appraiser, St. Charles, Missouri

6 PhD Candidate, Department of Geology and Environmental Earth Science, Miami University, Oxford, Ohio

7 Biochemist, Mineral and Fossil Field Collector, Ostrander, Ohio

LEX GEM SHOW



MARCH 25 & 26, 2017

Mineral and fossil specimens, cabbing rough, crystals,

Artisan jewelry, books, and children's items.

Silent Auctions and Hourly Door Prizes

Free Parking



New This Year! Educational Seminar



Mike Howard, author of "Rockhounding Arkansas" will give 1 free seminar each day on the geology of Arkansas and the minerals and crystals found in Arkansas. He was an economic geologist/mineralogist for 40 years, retired in 2013. He has authored many articles for mineral collectors as well as the scientific

community. Seating is limited at the seminar. Attendance is on a first come basis.

Show Hours:

Saturday

9 AM to 6 PM

Sunday

11 AM to 5 PM

Seminar Daily

11 AM

Clarion Hotel Convention Center

1950 Newtown Pike ~ Lexington, KY ~ Exit 115 I-75

ADMISSION: \$2 Adults ~ \$1 children 6-17; Scouts in uniform free; Families \$5

CONCESSIONS ON SITE

<http://bggamc.homestead.com/>



43rd Annual Central Ohio Mineral, Fossil, Gem & Jewelry Show & Sale

April 8-9, 2017: Sat. 10 AM-6 PM & Sun. 11 AM-5 PM



Come experience:

- Mineral, fossil & gem dealers with treasures for sale from around the world
- Interesting speakers
- Special talk for children
- Lapidary demonstrations
- Gold panning
- Educational exhibits
- Free specimen ID
- Silent auctions
- Silent auctions for kids
- Games & activities for kids
- Door prizes
- Free specimen for kids

Northland Performing Arts Center

4411 Tamarack Blvd., Columbus OH 43229

South side of Morse Rd. next to Menards and behind the new Kroger. Access from I-71, I-270, Rt. 23. Look for yellow building with blue scaffold tower.

Plenty of FREE PARKING behind the building.



Adults \$7, Seniors \$6, 2-day pass \$12, Youth 6-16 \$3, Under 6 FREE
FREE: Scouts & 4-H in uniform, Teachers with school ID, Military with ID

Please note: Tickets are available at the door, cash or check only. Credit/debit cards cannot be accepted for admission, but our dealer vendors can process credit/debit cards.



**Sponsored by the Columbus Rock & Mineral Society
with the Licking County Rock & Mineral Society**

We are a non-profit organization and the only family-oriented, educational rock show in Central Ohio that welcomes children. All show proceeds benefit scholarships for Ohio earth science majors. We invite you to come and explore the exciting world of geology as a family. Learn more at www.ColumbusRockAndMineralSociety.org.

Dealer contact: Craig Kramer 614-436-4511 or craig.kramer@wowway.com

Bring in this flyer for \$1 off adult & senior ticket prices. One discount per ticket.



Cincinnati GeoFair 2017

52nd Annual

**Gem, Mineral, Fossil & Jewelry
Show of Greater Cincinnati**
www.geofair.com

May 6

Saturday
10 am to 6 pm

May 7

Sunday
11 am to 5 pm



Featuring:

***Quartz – Crystals & Gems
Invertebrate Fossils***

Illustrated Earth Science Programs
Saturday, May 6

*Quartz: Signature Mineral of Continents
Digging for Dinosaurs*

Sunday, May 7

*Quartz: A Multifaceted Mineral
Major Transitions in the History of Life*

**Sharonville
Convention Center
11355 Chester Road
Sharonville, Ohio 45246**
www.geofair.com for directions

FREE PARKING

Cincinnati GeoFair 2017

Adults.....\$9

Children....\$3

Two-day pass.....\$12

Uniformed Scouts free

Scout leaders pay adult rates

Teachers free with ID and paid adult companion

\$2 OFF ONE ADULT ADMISSION

GeoFair 2017

May 6 & May 7

Sharonville Convention Center

11355 Chester Road

Sharonville, Ohio 45246

FREE PARKING 2017.3

Gem, Mineral, Fossil, & Jewelry Dealers

50+ Retail • 4 Wholesale • 3 Publications
www.geofair.com for list

Educational Earth Science Programs

Dr. Carl Francis • Dr. Glenn Storrs
Mr. Jeff Scovil • Dr. Brenda Hunda

Gem, Mineral, Fossil & Jewelry Displays

70 museum, university, and private collections

Family Activities • Education Center • Games

Geode cracking • Demonstrations • Swap area

Free mineral, meteorite, fossil & gem

identification • Scout merit badge assistance

Free mineral or fossil collection - kids under 12

GeoFair 2017 is produced by the nonprofit

*Dry Dredgers – an organization of amateur
paleontologists & fossil collectors.*

www.drydredgers.org, and the

*Cincinnati Mineral Society – an organization
of amateur mineralogists & mineral collectors.*

www.mineralsociety.org

