



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 Keutsch¹*
11:00-11:30 *Geochemistry of Sphalerite Precipitation in MVT Deposits – Martin Appold²*
11:30-12:00 *Crystal Structures of the ZnS Polymorphs - John Rakovan³*
12:00-1:30 Lunch Break and Viewing Time for Specimens
1:30-2:00 *Wurtzite from Western Pennsylvania and Eastern Ohio – R. Peter Richards⁴*
2:00-2:30 *Collecting Sphalerite - Sandy Ludlum⁵*
2:30-3:00 *Materials Applications of Zinc Sulfide - Wladyslaw Betkowski⁶*
3:00-3:30 *Serendipitous Sphalerite– John Medici⁷*
3:30-4:30 Viewing Time for Specimens

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

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

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

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

⁵Natural History Appraiser, St. Charles, Missouri

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

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

ADDITIONAL PRESENTATION by KEYNOTE SPEAKER: Frank Keutsch will also be giving a talk at the Cincinnati Mineral Society event on Friday, March 10, 2017 entitled *The Uchucchacua Mine and its Exceptional Minerals*. Contact Terry Huizing at tehuizing@fuse.net for further details or visit the CMS website (mineralsociety.org).

DIRECTIONS and PARKING: The Limper Geology Museum is located on the Miami University campus just inside the East and West entrances to Shideler Hall on the first floor. Shideler Hall is located west of the intersection of US Highway 27 and State Route 73. See map on following page.

Recommended parking is in Cook Field lot near the bell tower across the road from Shideler Hall. Parking requires the purchase of a permit. Please visit <http://www.miamioh.edu/parking/permits/index.html>, select Visitors/Contractors/Vendors, and then click Purchase Visitor Permit. You will need to display this permit on your dashboard the day of the event. Cost is \$3.

Permits

Please select your affiliation with Miami University below to continue:

Current Students, Faculty, and Staff

Departments and Offices

Visitors, Contractors and Vendors

Where to Park

A permit is required at all times to park in a University parking lot except as noted in the [parking policies](#). Visitors to campus are encouraged to park in the Campus Avenue Garage or the North Campus Garage. No permit is needed, but hourly rates and event parking rates apply.

- From 7 a.m. to 6 p.m. Monday through Friday, a permit is required to park on Spring, Oak and Maple Streets. A permit is not required to park on Spring, Oak, and Maple Streets at other times.
- A permit is not required to park on campus between noon Friday and 10pm Sunday on weekends of home football games.
- A permit is not required in the parking garages or at parking meters.

Permits and Citations

- Visitors may purchase a surface lot parking permit at the Parking Office during business hours or [online](#) for \$3 per day. Registration requires the license plate number, make, model and color of the vehicle to be registered. This permit allows the visitor to park in any University parking area.
- Visitors who received a University parking citation may make a [payment online](#) or by contacting the Parking Office.

[Purchase Visitor Permit](#)

