



Friends of Mineralogy Midwest Chapter 6th Annual Mineralogical Symposium

Hosted by the Miami University Karl E. Limper Geology Museum

DATE: Saturday March 10, 2018

TIME: 9:00 AM – 4:00 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)

Ken Bladh (president@fommidwest.org or 937-390-1742)

STATEMENT OF PURPOSE: FM's objective is to promote, support, protect, and expand the collecting of mineral specimens, while furthering the recognition of the scientific, economic, and aesthetic value of minerals and mineral collecting. The purpose of the symposium is to bring together professional and amateur mineral enthusiasts to share information of common interest, to build a local mineralogical community and to provide students with an opportunity to share their work and receive public recognition for it.

DETAILED AGENDA:

- 9:00-9:30 FM Midwest Chapter Meeting (open to all)
- 9:45-10:45 *Dr. Peter Megaw*¹: **Minerals of Mexico**
- 10:45-11:15 *Dr. John Rakovan*²: **Crystal Forms and Distorted Crystals**
- 11:15-11:45 *Mark Jacobson*³: **The Hiddenite & Emerald Mineral Localities, Hiddenite, Alexander Co., NC**
- 11:45-1:00 Lunch Break Armstrong Student Center and Museum Viewing
- 1:00-1:30 *Dr. Peter Megaw*¹: **Carbonate Replacement Deposits (CRDs)**
- 1:30-3:15 Submitted talks (20 min each, in order outlined on next page)
- 3:15-3:30 Coffee Break
- 3:30-4:00 Awards for Submitted Talks

¹ *Dr. Peter Megaw is an economic geologist from Tucson Arizona who specializes in hydrothermal ore deposits in Mexico. Peter has been the Tucson Gem and Mineral Society show exhibits chairman for many years.*

² *Dr. John Rakovan is a Professor of Mineralogy at Miami University and an executive editor of Rocks & Minerals.*

³ *Mark Ivan Jacobson, a consulting editor of Rocks & Minerals, is President of the Friends of Mineralogy National Chapter with mineralogical specializations in pegmatites and their histories of exploitation.*

SUBMITTED TALKS:

1. CRYSTALLINITY AND TEXTURE OF NATURAL AND SYNTHETIC WIRE SILVER

C. J. Anderson¹, J. Rakovan¹, T. Böellinghaus², and V. Lüders³

¹Dept. of Geology and Environmental Earth Science, 250 S. Patterson Ave., Miami University, Oxford, OH, 45056

²Bundesanstalt für Materialforschung und prüfung (BAM) Unter den Eichen 87 D-12205 Berlin, Germany

³Helmholtz-Zentrum Potsdam, Deutsches GeoForschungsZentrum, Section 3.2 Telegrafenberg, 14473 Potsdam, Germany

2. TRACE AND RARE EARTH ELEMENT CHEMISTRY OF FLUORITE FROM THE ILLINOIS-KENTUCKY FLUORSPAR DISTRICT AND ITS IMPLICATIONS FOR THE ORIGINS OF MINERALIZING FLUIDS

J. Bergbower¹, C. Dietsch¹, J. Rakovan², and J. Singer³.

¹University of Cincinnati, Cincinnati, OH

²Miami University, Oxford, OH

³Rensselaer Polytechnic Institute, Troy, NY

3. GEOCHEMISTRY OF FLUORAPATITE FROM THE ROSE ROAD WOLLASTONITE DEPOSIT, PITCAIRN, NEW YORK

C. Emprato¹, P. Tomascak², and A. Andersen²

¹Department of Geological and Environmental Earth Science, Miami University, Oxford, OH, 45056

²Department of Atmospheric and Geological Sciences, State University of New York at Oswego, Oswego, NY, 13126

4. THORIUM RICH FLUORAPATITE FROM THE POUDRETTE PEGMATITE, MONT SAINT-HILAIRE

C. Chappell¹ and J. Rakovan¹

¹Miami University, Oxford, OH

5. RESULTS OF GEOCHEMICAL AND GEOCHRONOLOGICAL CHARACTERIZATION OF LLALLAGUA ALTERED PORPHYRY AND HYDROTHERMAL VEIN ASSEMBLAGE IN CONTEXT OF PREEXISTING AGE DISCREPANCY

W. B. Betkowski¹ and J. Rakovan¹

¹Department of Geological and Environmental Earth Science, Miami University, Oxford, OH, 45056

ADDITIONAL PRESENTATIONS by KEYNOTE SPEAKER: Dr. Peter Megaw will be giving two additional talks. The first at Miami University on Thursday, March 8 at 4 PM in Rm 100 Shideler Hall. The title: *Integrated exploration approach to discovery of the blind Cinco de Mayo Skarn/Carbonate Replacement Deposit, Chihuahua Mexico*. Contact John Rakovan at rakovajf@miamioh.edu for further information. His second talk, *40 years of mineral adventures in Mexico*, will be at the Cincinnati Mineral Society meeting on Friday, March 9. 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.

You may also obtain permits from John Rakovan inside the auditorium on the day of the symposium. You will need cash. You will have to walk back to your vehicle to display the permit.

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

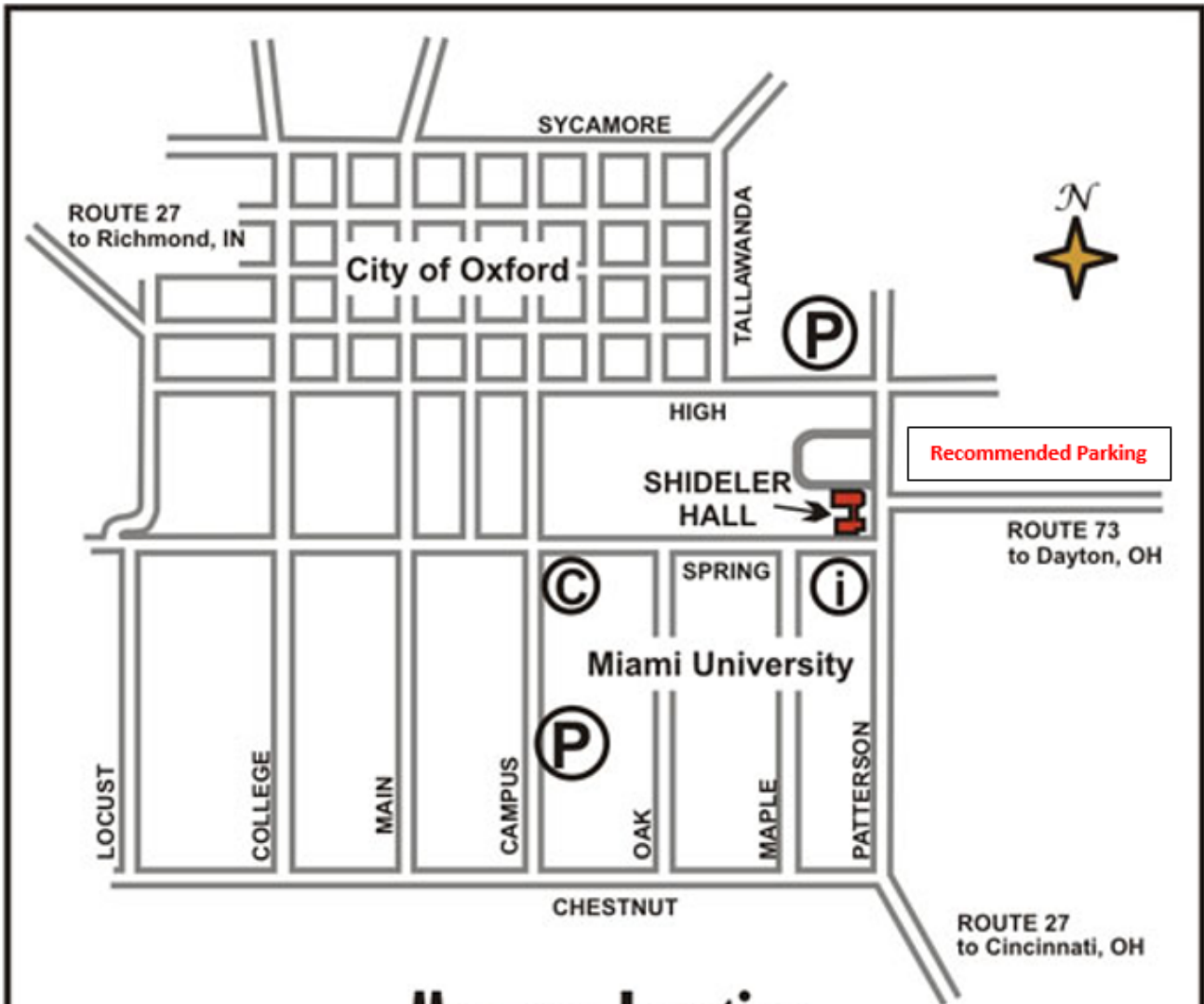
A permit is required at all times to park in a University parking lot except as noted in the [parking policies](#). Visitors to campus are encouraged to park in the Campus Avenue Garage or the North Campus Garage. No permit is needed, but hourly rates and event parking rates apply.

- 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](#)



Museum Location

-  Shideler Hall - Limper Geology Museum
-  Parking Garage
-  Shriver Center - Information Desk
-  Campus Avenue Building - Parking Services