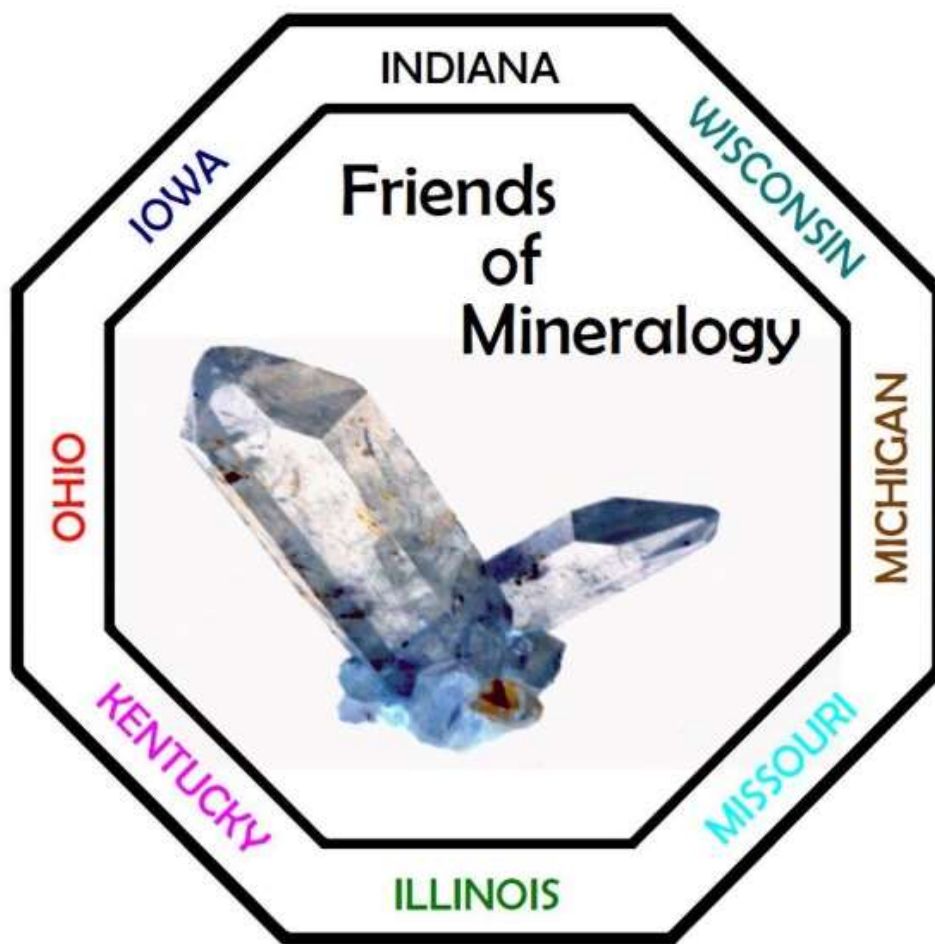


# *FRIENDS of MINERALOGY*

## *Midwest*



Chapter Newsletter for  
November – December 2021

# TREASURERS REPORT

## **2021 year-to-date (10-15-2021)**

Due to the loss of 2021 dues income our expenses exceeded our income for 2021. We have received \$300.00 in donations and \$60.00 in dues payments. Expenses payments for web hosting and insurance totaled \$757.88. The Chapter account balance stands at \$8,159.89 and we have 89 members for the 2021 calendar year. We have no current outstanding expenses.

The 2020 financial materials were delivered to Frank Konieczki at the Detroit show. Frank has now completed the audit.

## **2022**

As far as registrations go, we are resuming normal operations for 2022. As always, you can find the registration form here: <http://www.fommidwest.org/registration-forms/>

Jeff Spencer – Treasurer  
Friends of Mineralogy Midwest Chapter  
[Treasurer@fommidwest.org](mailto:Treasurer@fommidwest.org)



**A recent picture of 2 collectors (Clyde Spencer & Frank Konieczki) hard at work during a visit to the Ottawa quarry.**

# PLEASE JOIN US FOR FM MIDWEST ANNUAL MEMBERSHIP MEETING

SATURDAY, NOVEMBER 20<sup>TH</sup>

2 TO 3 PM

By the time you read this, you should have received an announcement email for the FM Midwest General Membership Meeting with Elections on Saturday, November 20<sup>th</sup> from 2:00 – 3:00pm. This will be a telephone conference call. No need to drive to Cleveland! Follow instructions in the latest invite you receive to connect to the call.

Current officers have agreed to continue in their current roles if elected. We still need candidates for President and Vice-president! If you are interested, please contact Randy Marsh or Jeff Spencer as soon as possible.

[Join WebEx meeting](https://pg.webex.com/pg/j.php?MTID=m86ce5ad7514a8bf2a96ad9ffa5d62e0) <https://pg.webex.com/pg/j.php?MTID=m86ce5ad7514a8bf2a96ad9ffa5d62e0>

WebEx Meeting number: 2331 973 9730 Meeting password: FMMidwest2021!

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Join the audio using **Call Me** or join by **Call In** when **Call Me** is not available\*\*

\*\* CAUTION: Using a mobile device has the potential to impact everyone's audio quality.

**Join by phone**

+1-415-655-0045 US Toll

[Global call-in numbers](#) | [Toll-free calling restrictions](#)

**Join from a video system or application**

Dial [23319739730@pg.webex.com](mailto:23319739730@pg.webex.com)

You can also dial 173.243.2.68 and enter your meeting number.



# JOHN MEDICI RECEIVES THE CARNEGIE MINERALOGICAL AWARD

By Johan Maertens

This article was first published in the Glacial Groove published by The Columbus Rock & Mineral Society and reproduced with approval from the author.

Friends of Mineralogy Midwest member Dr. John C. Medici, an avid mineral collector for over fifty years, from Ostrander, Ohio was the recipient of the **Carnegie Mineralogical Award**. The award honors those who have made outstanding contributions to mineralogical preservation, conservation, and education that match the ideals advanced by the Carnegie Museum of Natural History, funded by the Hillman Foundation, since 1987.

Many of us have experienced John's kindness and patience helping collectors obtain good specimens during field trips.

John has preserved exceptional specimens from around the United States. John specializes in minerals of Ohio and the Herkimer district of New York but has collected in over half of the states in the US and many sites in Ontario and Quebec. He offers many of his best specimens at discounted prices or by donation to numerous museums, many of which are on display for the public to enjoy.

John's articles and photos of his specimens have appeared in every major mineral magazine, including The Mineralogical Record (for example, read John's article on The Auglaize quarry, Paulding County, Ohio, July - August 2019 issue, pages 399- 427) and Rocks & Minerals (for example, read John's article on Ohio's Delphos quarry in the November/December 2020 issue, pages 498–514). He co-authored two chapters in the book American Mineral Treasures. He has been a featured speaker at numerous mineral symposia including The Dallas Mineral Collecting Symposium, the Friends of Mineralogy Midwest Mineralogical Symposium, and the Rochester Mineralogical Symposium, and has won awards for his self-collected specimens at national and regional gem and mineral shows.

“John Medici is an excellent choice for the 2020 Carnegie Mineralogical Award,” said Travis Olds, curator of Minerals, in the section of Minerals and Earth Sciences at Carnegie Museum of Natural History. “His contribution to the mineral community has been significant, but his greatest contribution to specimen mineralogy is his dogged pursuit of top-quality specimens in the field, specimens that would otherwise be destroyed by industry or nature.”

With the cancellation of the Tucson Gem & Mineral Show, where the award is normally presented, due to COVID-19, the award presentation was held virtually and is posted on Carnegie Museum of Natural History's website, URL [https://youtu.be/jI\\_TQ3ickP4](https://youtu.be/jI_TQ3ickP4)

In John's own words:

"I am really honored and I'm a little overwhelmed with being nominated for the Carnegie Mineralogical Award. And surprised, because I'm not in academia, I'm not a museum curator. My business is not minerals, that's not my living and I never took a geology or mineralogy course.

The fun is getting out and doing the easter egg hunt type of atmosphere field collecting and that's probably the most fun for our everyone in our family: Getting out in nature and being able to just concentrate on collecting. So that's what we have done. My personal collecting history approaches 60 years. I'm past 80 at this point and as long as I can still get out and handle a rock pile in the quarry, I will be very happy about it. I'm hoping my sons (Brett, Jay) who all enjoy that kind of thing, also will continue with their work. I hope quarries and mines are not overwhelmed by government controls that prevent them from getting us in and collecting.

I've persued a lot of different athletic activities along with mineral collecting while handling a full-time job. So, I've had to do them sort of sporadically. By doing them sporadically, I avoid the situation you get into when you multitask, and I can focus on the interest at hand. I think that this has contributed to our success in collecting and I've taught my sons that and in observing them, they're accomplished collectors.

I think at this point they're a little better because they're able to handle bigger hammers."

John inspires all of us with his presentations, sharing and coaching during field collecting.

Congratulations John!

We are proud of you and grateful for your contributions to the greater Ohio mineral collecting community.

Other FM MW members receiving the prestigious Carnegie Mineralogical Award are prof. Dr. John Rakovan in 2019.

# Preview of the 2022 FM-MSA-TGMS mineral symposium at The Tucson Gem and Mineral Show™

## Guest Lector Bios

### **Daniel E. Harlov**

Apatite is the most common phosphorous- and fluorine-bearing mineral in the Earth's crust and is easily affected by subsurface fluids. This talk will discuss how fluorapatite and chlorapatite are affected by these fluids, which results in the alteration, replacement or the formation of inclusions of other minerals. Harlov is a research scientist at the Deutsches GeoForschungsZentrum, Potsdam, Germany, as well as a visiting Professor at the University of Johannesburg, and the China University of Geosciences, Wuhan, China.

### **John Rakovan**

The type locality of fluorapatite is the Sauberg mine, Ehrenfriedersdorf, Germany. This lecture will present the history of the mine, the discovery and naming of fluorapatite, and the specimens that have been found at the locality. John Rakovan is a professor of mineralogy at Miami University in Oxford, Ohio, and an executive editor for *Rocks & Minerals*, and a mineral collector for more than fifty years. Apatite and apatite supergroup minerals have been topics of focus in his research and mineral collecting interests.

### **Madeline Murchland**

Apatite besides occurring in a wide range of colors, also commonly exhibits a wide range of fluorescent colors in ultraviolet light. This talk will explore the range of colors under ultraviolet light of apatite due to the variation on elemental activators within the crystal structure from several worldwide localities. Madeline Murchland is an undergraduate researcher at Miami university pursuing a dual degree including geology.

### **Evan Smith**

Atomic defects in the crystal structure of diamond can result in fluorescence that provides information about its growth conditions deep within the earth's mantle as well as a possible tool to distinguish between natural and artificial diamonds. This talk will explore the patterns of diamond fluorescence and what it reveals. Evan M. Smith is a research scientist at the Gemological Institute of America in New York who uses diamonds to explore the deep interior of the earth. His findings have been published in Science and Nature as well as being featured on National Public Radio.

### **Peter Megaw**

Mexico has superb examples of fluorapatite, mimetite, vanadinite, and pyromorphite. The best of these localities will be discussed., along with examples of apatite- related pseudomorphs such as the stunning blue turquoise after apatite crystals. Peter Megaw has been a dedicated mineral collector since 1977 and a consulting geologist with a Ph.D. from the University of Arizona. He has been the Exhibits Chair for the TGMS® since 1984 and a frequent contributor to the *Mineralogical Record* and *Rocks & Minerals* on the minerals and geology of Mexico.



## Markus Raschke

The Xuebaoding greisen-type W-Sn-Be deposit in the Songpan-Ganzi orogenic belt in Sichuan Province, western China has long been known for exceptional specimens of scheelite, cassiterite, and beryl. Based on several trips to the locality since 2017, Raschke will discuss results from several field studies, as well as the range of colors and fluorescence properties of scheelite from Xuebaoding and the adjacent areas. Markus Raschke is Professor of Physics and Materials Science at the University of Colorado, Boulder. In parallel with his research to resolve the quantum nature of materials, he has pursued mineralogy work along the Eastern margin of the Tibetan Plateau.

## Ray Grant

Vanadinite is found in 13 of the 15 counties in Arizona and well over a hundred localities have been reported. This talk will illustrate vanadinite from the best Arizona localities including the Apache Mine, Gila County, the Hamburg Mine and Pure Potential Mines, La Paz County, and many others. Raymond Grant, a popular speaker before many mineral groups, prior to retirement taught geology at Mesa Community College in Mesa, Arizona, is a co-author of the *Mineralogy of Arizona*, and was co-chairman of the Minerals of Arizona Symposium for 26 years. He has recently started the Pinal Geology and Mineral Museum in Coolidge, Arizona.

## Bill Stephens

Pyromorphite from the world-famous Phoenixville District lead mines, Chester County, Pennsylvania is an old Dana locality known since 1850. Many superior specimens of pyromorphite from the Phoenixville District reside in world class private and museum collections around the world. This talk will review the mining history, geology and mineralogy of this locality. The Southwest Chester mine dumps, if one can find them and gain legal access, still produce nice thumbnail to small cabinet size specimens. Bill Stephens is a licensed Professional Geologist, Current President of FM-PA Chapter and President of Stephens Environmental Consulting, Inc. since 1995.

## Thomas Loomis

The Precambrian and Cambrian core of the Black Hills, South Dakota hosts many apatite occurrences. The best crystals are the purple, blue and green euhedral apatites from ¼ to 1 inch that occur in the pegmatites with additional localities in the metamorphic rocks, and overlying mineralized Cambrian Deadwood Formation. The many colors and forms of the fluorapatites will be included in the presentation. Tom Loomis owns and operates Dakota Matrix Minerals, which is devoted to collector quality minerals. His personal efforts concentrate on the mineralogy of the Black Hills including the discovery of minerals new to the Black Hills.

## Nicolas Hebert

The Mogok Metamorphic Belt is known for its strongly fluorescent rubies, however there are many more overlooked UV-reactive mineral species, including scapolite, and hackmanite. This presentation will explore these UV-reactive species from an ore genesis, petrological, and geochemical perspective. An extensive suite of these calc-silicate fluorescent minerals will illustrate the presentation. Nicolas Hebert is a geologist/engineer and mineral enthusiast. He graduated from Ecole Nationale Supérieure de Géologie, Nancy, France in 2018. Based in Perth, Western Australia, he works at the Dalgaranga gold mine, engaged in exploration, resource development and production.

## Glenn Waychunas

All luminescence in minerals is due to energy transfers within the electrons of specific activator elements or groups of atoms, but in some cases the activators are isolated electrons themselves. This presentation will provide an overview of these activators with examples of their fluorescence and tenebrescence in fluorite and hemimorphite. Glenn Waychunas is a Scientific Affiliate at Lawrence Berkeley National Laboratory in Berkeley, California and Visiting Scientist at the California Institute of Technology in Pasadena, California. He is a fellow of the Mineralogical Society of America and has more than 200 publications related to mineralogical spectroscopy.

# THE 40<sup>TH</sup> FM-TGMS-MSA TUCSON MINERAL SYMPOSIUM, THEME "MINERALS OF THE APATITE SUPERGROUP AND MINERAL FLUORESCENCE,"

Saturday, February 12, 2022, Tucson Convention Center, Tucson, AZ

10:00 AM Opening of symposium

10:00-10:15 AM Introduction by symposium chair

10:15 – 10:45 AM Daniel E. Harlov, “Apatite and fluids: pseudomorphism, mineral inclusions, and mineral formation.” (remote talk from Europe)

10:45 - 10:50 AM break

10:50 - 11:20 AM John Rakovan, “The Sauberg Mine, Type locality of fluorapatite, and the recognition of apatite as a distinct mineral species.”

11:20- 11:25 AM break

11:25 – 11:55 AM Madeline Murchland\* and John Rakovan, “Fluorescence spectroscopy of apatite”

11:55 - 12:00 AM break

12:00 - 12:30 PM Evan Smith, “Decoding the colors and patterns of fluorescence in Diamond.”

12:30 - 1:30 PM Lunch

1:30 – 2:00 PM Peter Megaw, “The apatite supergroup minerals from Mexico.”

2:00 - 2:05 PM break



2:05 - 2:35 PM Markus Raschke, "The fluorescence of scheelite from Xuebaoding, Sichuan Province, China."

2:35 - 2:40 PM break

2:40 – 3:10 PM Ray Grant, "Vanadinite in Arizona."

3:10 – 3:25 PM extended break

3:25 – 3:55 PM Bill Stephens, "Pyromorphite from the world-famous Phoenixville District lead mines, Chester County, PA"

3:55 – 4:00 PM break

4:00 – 4:30 PM Thomas Loomis, "Apatite occurrences in the Black Hills, South Dakota."

4:30 4:35 PM break

4:35 - 5:05 PM Nicolas Hebert, "Orange fluorescent minerals from Mogok: from the scapolite – feldspathoid bearing marbles to hackmanite." (remote talk from Perth)

5:05- 5:10 PM break

5:10-5:40 PM Glenn Waychunas\*, George Rossman and Michael Gaft, "Electronic defects as activators of luminescence in minerals: overview and examples of novel fluorescence and tenebrescence."

**FRIENDS OF MINERALOGY, INC.**

**Midwest Chapter  
APPLICATION FOR MEMBERSHIP  
MEMBER DATA SHEET**

**Please fill in this application and mail it along with your dues to the address listed at the bottom.**

Name \_\_\_\_\_  
Last First Middle Initial \_\_\_\_\_

Address \_\_\_\_\_  
Street City or Town \_\_\_\_\_

Telephone Number \_\_\_\_\_ State Zip/Postal Code \_\_\_\_\_  
(Home) \_\_\_\_\_ (Office/cell)

E-mail address \_\_\_\_\_

Would you be willing to serve as an officer or committee member/chair? \_\_\_\_\_

Would you be willing to serve in another volunteer capacity? \_\_\_\_\_

How did you find out about Friends of Mineralogy? \_\_\_\_\_

I affirm that I support the purposes\* of Friends of Mineralogy:

Signature \_\_\_\_\_ Date \_\_\_\_\_

Friends of Mineralogy, Inc. is composed of the members of 7 local chapters, plus national members not affiliated with a chapter. **Prospective and renewing Midwest Chapter members should send this completed application and \$20.00/year dues to the address below:**

Our Chapter is funded by membership fees, fundraising efforts and additional contributions. Please consider an additional contribution to help support us in achieving our Chapter Mission. We will email you a receipt for tax reporting purposes.

Additional donations: Annual Symposium \$ \_\_\_\_\_

General Fund \$ \_\_\_\_\_

Total (including Dues \$ \_\_\_\_\_

\*

1. To promote interest in and knowledge of mineralogy.
2. To advance mineralogical education.
3. To protect and preserve mineral specimens and promote conservation of mineral localities.
4. To further cooperation between amateur and professional and encourage collection of minerals for educational value.
5. To support publications about mineralogy and about the programs of kindred organizations.

**Jeff Spencer, Treasurer**

**Friends of Mineralogy, Midwest Chapter**

**4948 Beechwood Rd., Cincinnati, Ohio 45244**



## Friends of Mineralogy Midwest Chapter Field Trip Waiver/Hold Harmless Agreement

1.0 I, \_\_\_\_\_, desire to participate in Friends of Mineralogy Inc. Midwest Chapter ("FMMC")  
(please print full name of participant)

field trips/activities ("Activity"). I fully understand and appreciate the dangers, hazards and risks inherent during any Activity, in the transportation to and from the Activity, and in any independent research or activities I undertake as an adjunct to the Activity, which dangers include but are not limited to serious and mortal injuries and property damage.

2.0 Knowing the dangers, hazards, and risks of such Activity and research, and in consideration of being permitted to participate in the Activity and research, on behalf of myself, my family, heirs, assigns, my estate and anyone claiming through me, release waive, forever discharge and covenant not to sue FMMC, it's officers, directors, members, agents or third parties (hereafter called the "Releasees") connected with the FMMC Activity of any and all claims, loss, injury, damage, demands, actions, causes of action, costs, and expense of every nature, known or unknown for damage to personal property, personal injury, death, as well as any emotional or psychological harm, or damages or loss of reputation, employment, contract, property rights and due process.

I further agree to assume all the risks and responsibilities known or unknown surrounding my participation in the Activity, including transportation to or from, or any independent research or activities undertaken as an adjunct thereto. I understand the activities have inherent risks and I understand those risks and assume responsibility to protect myself from those risks and acknowledge that FMMC cannot foresee all risks and hazards.

3.0 I understand and agree that Releasees do not have medical personnel available at the location of the Activity. I understand and agree that Releasees are granted permission to authorize emergency medical treatment if necessary, and that such action by Releasees shall be subject to the terms of this agreement. I understand and agree that Releasees assume no responsibility for any injury or damage which might arise out of or in connection with such authorized emergency medical treatment.

4.0 In signing this Release, I acknowledge and represent that I have fully informed myself of the content of the foregoing waiver of liability and hold harmless agreement by reading it before I sign it, and I understand that I sign this document as my own free act and deed; no oral representations, statements, or inducements, apart from the foregoing written statement have been made. I understand that the corporation (FMMC) does not require me to participate in this Activity, but I want to do so, despite the possible dangers and risks and despite this Release. I further state that I am at least eighteen (18) years of age, and fully competent to sign this Agreement – and that I execute this Release for full, adequate, and complete consideration fully intending to be bound by the same. I further state that there are no health-related reasons or problems which preclude or restrict my participation in the Activity, and that I have adequate health insurance to provide and pay for any medical costs that may be attendant as a result of injury to me.

5.0 I further agree that this Release is in effect in perpetuity once executed, unless revoked in writing and shall be construed in accordance with the laws of the state in which FMMC is incorporated, Ohio. If any term of this provision of this Release shall be held illegal, unenforceable, or in conflict with any law governing this Release, the validity of the remaining portions shall not be affected thereby.

IN WITNESS WHEREOF, I have executed this Release this \_\_\_\_ day of the month of \_\_\_\_\_, 20\_\_.

**Participant Signature:** \_\_\_\_\_

**Address:** \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

**Street City State Zip Code**

**Phone (with area code):** \_\_\_\_\_ **email:** \_\_\_\_\_

**Emergency Contact:** \_\_\_\_\_ **Phone (with area code):** \_\_\_\_\_

**Witness Signature (must be at least 18 years old):** \_\_\_\_\_

## 2021 Officers

**President – Vacant**

**Vice President Programs – Vacant**

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

**Secretary – Frank Konieczki**, 50355 W. Huron River Dr.  
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**Treasurer - Jeff Spencer**, 4948 Beechwood Road  
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**Liaison Officer Randy Marsh**, 6152 Old Stone Ct.  
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**Fund Raising (Committee Chair) - Vacant**

**Newsletter (Committee Chair) Tom Bolka**, 2275 Capestrano Dr.  
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Newsletter published bi-monthly in January, March, May, July, September and November. Please submit all information for publication in the newsletter by the 15<sup>th</sup> of the previous month.

### **Chapter Website:**

[www.fommidwest.org](http://www.fommidwest.org)

### **National Website:**

[www.friendsofmineralogy.org](http://www.friendsofmineralogy.org)

### **Affiliations:**

THE MINERALOGICAL RECORD  
THE MINERALOGICAL SOCIETY OF AMERICA  
AMERICAN GEOSCIENCES 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.**

