



to promote, support, protect and expand the collection of mineral specimens and to further the recognition of the scientific, economic and aesthetic value of minerals and collecting mineral specimens.

FRIENDS OF MINERALOGY NATIONAL NEWSLETTER

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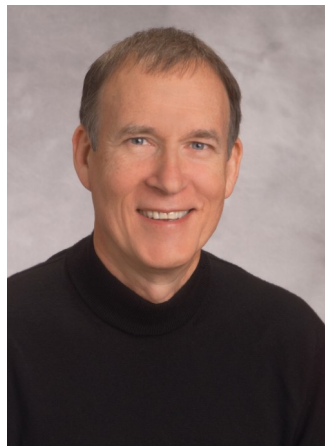
March 2015

Inside This Issue

President's Message	2
Officers	3
President's Message (cont)	4-5
General Meeting Minutes	7-8
Board Meeting Minutes	9-13
New Books	14-16
Up-Coming Symposia	17-19
Virtual Museum	20
FM Chapter Reports	21-22
Best Paper Thank You	22
Mineral Show in Poland	23
Minerals of Western Europe – Wrap up (Tucson)	24-25
Tucson Gem and Mineral Show Awards	25
Friends of Mineralogy Tucson Awards	26
Review of an Upcoming Book and a Request	26-27
Message from the Editor	27
Mineral Hill Field Trip Report	28-30



Fluorite (Dodecahedron) with Quartz, Erongo Mountains, Namibia,
2.5 x 2.6 x 2.4 cm, Jeff Scovil photo,
Alex Schauss Collection.



President's Message

By Alex Schauss

As the new president of Friends of Mineralogy, I look forward to serving the organization and supporting its missions.

As this is my first president's message, it might be helpful to know something about me, and how I got interested in collecting minerals.

At the age of seven, I was fortunate to meet Dr. Frederick Pough, then Curator of Physical Geology and Mineralogy at the American Museum of Natural History. We lived just a few blocks from the museum. My friend, Sammy, and I had found a rock in Central Park that we thought was loaded with **gold**! Unfortunately, it turned out the sparkle we saw in a piece of granite (**gneiss**) wasn't gold, nor fool's gold, but mica. That fateful first meeting as well as others led to an invitation by Dr. Pough to improve my skills in identifying minerals by visiting the museum after school. Well, I guess he just couldn't get rid of me, as nine years later, and with my junior high school right across the street from the museum, he would see me often. By the time I was sixteen and Dr. Pough left the museum to take on curatorial duties at a museum in Santa Barbara, California, I had had the opportunity of handling thousands of specimens.

With my interest in minerals peeking each year, I learned the value of fellowship, including attending meetings of the New York Collectors Club. This led to all kinds of field trips in the region, including one of my first trips to collect Herkimer **quartz** "diamonds" in Little Falls. I still have one of my finds.

In high school, and thoughts of college, I decided to head west and attend the University of New Mexico in Albuquerque. This gave me the opportunity between classes, and running varsity track, to collect specimens underground at the Kelly mine, famous for exceptional blue-green botryoidal **smithsonite** clusters, and the nearby Graphic mine, noted for **azurite** and **malachite** crystals, and visit the Blanchard mine to collect fine blue **fluorite** specimens on the dump. I should note that Dr. Pough taught me the value of asking permission first before trespassing on private property. As a result, whenever I asked permission was granted to collect. This even included that of Ms. Blanchard at the Blanchard mine, who greeted someone she didn't know with a shotgun cradled in her arms!

After ten years in New Mexico, and a graduate degree in hand, a career advancing position came up in South Dakota, that allowed my collecting interests to continue, including periodic visits to Elk Creek, Meade County, to collect superb transparent golden **barite** found in septarian nodules. Oh, how I wish I had kept several flats of those specimens! If you have never seen what they look like, check out this 48-second film on YouTube: <https://www.youtube.com/watch?v=4isu47GiqBE>.

Two years later, another career advancing opportunity came up that brought me to Washington state, where I had the pleasure of meeting Bart Canon, a Seattle-based field collector, whose microprobe services are well known to the mineralogy community, and Ray Lasmanis, Washington state's geologist in the Division of Natural Resources. Ray helped me locate numerous specimens throughout the Cascade Mountain range, including: **pyrite**, **quartz**, (Vesper Peak) **grossular garnet**, **diopside**, **clinozoisite**, **epidote**, **calcite**, **actinolite**, **galena**, **molybdenite**, **chalcopyrite**, **arsenopyrite**, **limonite**, **feldspar**, **ilmeneite**, **siderite**, and a host of zeolites found within proximity of Mount St. Helens. The best locations for exceptional zeolites we kept a secret and reserved for field trips of junior rock club members. There is nothing as rewarding as seeing my son and daughter finding a good pocket of zeolites and hearing the

(Continued on page 4)

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Deadline for the next FM Newsletter is June 22, 2015

excitement in their voices upon hitting “the mother lode!” In the five years I led such trips we located exceptional specimens of: **analcime**, **scolecite**, **thomsonite**, **stilbite**, **heulandite**, **chabazite**, **meso-lite**, and **natrolite**.

Unfortunately, the nearby Reward mine in Enumclaw had closed, as well as access to its dumps, so I never did collect one of those legendary specimens of **realgar**. Locating a realgar from that location is still on my bucket list after 36 years of searching for a good thumbnail specimen.

Moving to Tacoma, Washington, also allowed us a chance to join the Pacific Northwest Friends of Mineralogy (PNWFM) Chapter, and attend its annual mineral symposiums.

A little over two years ago, and what will probably be the last move of my career, Laura and I moved to the Tucson, Arizona area, where I am a Research Associate in the Department of Geosciences, College of Science, at the University of Arizona, and also a member of the Board of Directors of the University's Mineral Museum.

Moving to Arizona has given us countless opportunities to get out and collect specimens either underground or on surface dumps.

Many Tucsonans were surprised to learn that my first visit to the Tucson Gem & Mineral show was in 1967, when it was housed in a large tent south of the city's airport, years before it became the biggest gem and mineral show in the world. Dean Wise, President of the Albuquerque Gem & Mineral Club, which I joined in 1966, suggested members make the seven-hour drive to Tucson to support their show.

That show and the Club encouraging members to exhibit mineral specimens led to the start of exhibiting specimens at state, regional and national American Federation of Mineralogical Societies' (AFMS) shows.

My job as a food scientist, author, and educator has allowed me to travel to over fifty countries. In the process, I've been very fortunate in meeting some legends in the field of mineralogy, and to see their collections, including Albert Chapman in Sydney, Australia, who encouraged me to visit the Broken Hill mine in New South Wales in 1980, and Desmond Sacco, who invited me to see his world-class mineral collection in Johannesburg, South Africa, during a lecture tour in 1983. There were also countless visits to museums around the globe, some virtually unknown as well as those that are well known.

As FM president, my hope is to expand member awareness of all things mineral related. For example, many times a book of interest to mineralogists and mineral collectors is out of print before you know it exists. A good example is the 2007, 856-page book, *Namibia*, authored by Ludi von Bezing, Rainer Bode and Steffen Jahn, published by Bode Verlag in Germany. This exceptional well illustrated reference work on the minerals of Namibia, including the remarkable number of minerals taken out of the Tsumeb mines, was released in both an English and German edition, at a cost of US\$100 for either book. Try to find a copy today. It sold out in less than three months. Someone did find a copy on eBay last year and had to pay \$1800 for a used copy!

In October 2014, a new edition came out called, *Namibia I*, by the same publisher, which sold for US\$135 at the Munich (Germany) Gem & Mineral Show. *The Mineralogical Record* purchased quite a few copies that arrived in time for the 2015 Tucson Gem & Mineral Show. It might be worth checking with *The Mineralogical Records* to see if they still have a copy: <http://www.mineralogicalrecord.com/books.asp>

Even if it's out of stock, ask them to place your name on their back order list in case additional copies are acquired. I also learned that a second volume of the 2014 book, called *Namibia 2*, is expected out by the end of the year.

To keep Friends of Mineralogy members informed of new books related to mineralogy, and any discounts offered when ordering as an FM member, we've started a new column in this issue of the national FM newsletters called, "Books About Minerals/Mineralogy", to keep members informed of new books before they're out of print or are difficult to acquire.

You might also want to check with mineralogy book resellers such as Rocks of Ages in New Mexico: <http://www.rxofages.com> John and Linda Stimson, have a booth at the annual Tucson Gem & Mineral show each year, and are well known suppliers of popular and rare geoscience-related books, periodicals, as well as mining artifacts and mining ephemera.

In April, I'll be speaking at the Rochester Mineral Symposium in New York, on collecting thumbnail minerals. I look forward to meeting FM members attending the symposium.

Another new feature to appear in this issue of the national newsletter is to list forthcoming mineral symposiums. If you know of a symposium that is not included in the symposium's list, please let our Editor know so it can be included in the next issue of the newsletter and added to our website as well.

One of my first objectives was to get the national newsletter back on track to publish four times a year. To achieve this, we are fortunate to have a new FM newsletter Editor, Beth Heesacker. Beth has been the Editor of the Pacific Northwest Chapter (PNWFM Newsletter) for many years, and volunteered to also serve as our national newsletter Editor. Please send updates on chapter activities to Beth.

As many of you know, there has been a diminishing number of mineral collecting sites across the country. This has occurred not only in the United States, but also in many countries around the world.

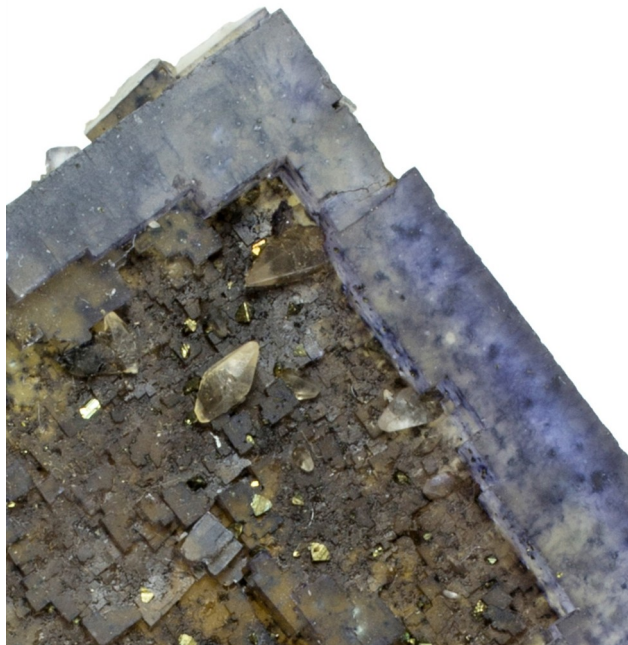
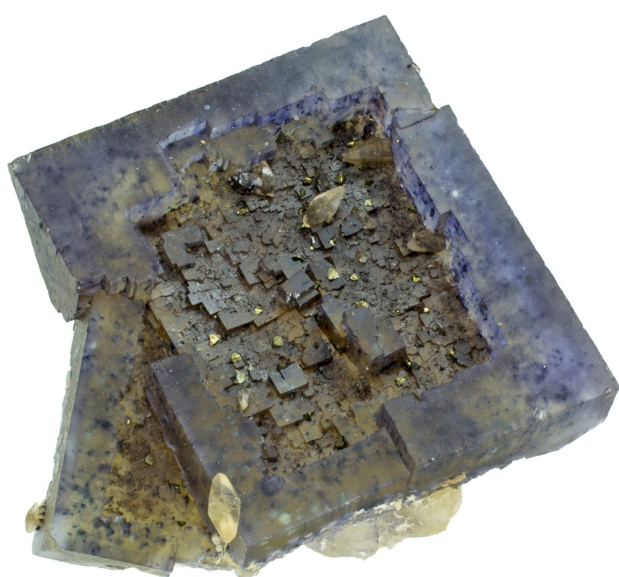
One of my missions will be to explore how to stop the closing of artisanal open pit and underground mineral specimen collecting sites. At some point an organized effort to push back needs to be organized. The recent threatened closure of several mines in Arizona set in motion such opposition. How this plays out will be discussed in future issues of the newsletter.

On February 19, 2015, a bill was introduced in the New Mexico legislature, HB 625, that if passed would allow mines to suspend operations but remain on standby – with no restoration work – for up to 100 years, and be able to reopen whenever metal price conditions improve by simply alerting the state in a letter. New Mexico has more than 500 mines extracting resources such as copper, coal, potash and aggregates. By March 22nd, the bill had already gone through several revisions, so it will be interesting to see what the NM state legislature decides, especially given that it has two of the largest copper mines in the country, and whether it reaches the governor's desk.

I look forward to serving Friends of Mineralogy, as do our national board members and offices. I'd like to especially thank past president, Allan Young, for his years of service to our organization, and John Lindell, for his past editorship of the national newsletter.

May 2015 be your best year ever!

Alex Schauss



Fluorite with strong secondary growth "rim"

Sub-Rosiclare Level, Annabel Lee Mine,
Ozark-Mahoning Co., Illinois, USA
Small Cabinet, 8.3 x 7.6 x 4.4 cm
Courtesy of Dr. Rob Lavinsky, The Arkenstone.



Wulfenite and Mimetite

San Francisco Mine, Cerro
Prieto, Sonora, Mexico,
2.5x2.5x2.4 cm,
Mark Mauthner photo,
Alex Schauss specimen.

FRIENDS OF MINERALOGY

MINUTES OF GENERAL MEMBERSHIP MEETING HELD

February 10, 2015, Tucson, Arizona

In the absence of President Allan Young, Vice-President Alex Schauss called the meeting to order at 4:40 p.m. Alex read the President's Message from Allan; the report noted a Bylaws change allowing for financial oversight of the organization.

Committee Reports

TGMS Awards: Several FM awards will be handed out at the TGMS Awards Banquet on Saturday evening.

Webmaster: Jim Etzwiler reported that a new Webmaster is nearly "on board."

Facebook Page: Regina Aumente reported for Treasurer Gloria Staebler that the new Facebook page is very popular.

Locality Indices/TGMS FM Booth: Nelson Schaffer reported that the Ohio mineral resources book will be available in April, and he encouraged sign-ups to help staff the FM booth during the show.

By-Laws: Virgil Leuth reported that revised By-Laws have been distributed to the Executive Committee for review. When approved, they will be distributed to the general membership for review and approval. Most revisions involve changes in procedures and job descriptions. Allan will mail materials to those members not electronically connected.

Newsletter: The January newsletter has been sent. A new editor will take over from John Lindell.

Minutes of 2014 Meeting: It was moved, seconded and passed to approve the Minutes of the 2014 General Meeting.

Chapter Reports

Midwest (Clyde Spencer): With 104 members, this chapter was quite active, with a Symposium at Miami University, four meetings, and a table at a trade show to establish an FM presence. Several field trips were described to quarries and agate collecting sites. Clyde brought up an issue concerning hazard training for collectors; a program focused on safety while collecting (mainly in quarries) will be offered in Ohio. Alex then reported a related incident in Arizona that could lead to massive closures to collectors of several mines (see FM Board Meeting minutes). He urged preparation and follow-through of a plan to ensure that collectors can continue to collect. Reports were presented for chapters with representatives present.

Pacific Northwest (Bruce Kelley): The NWFM's annual field trip (Washington Pass Cleanup) took place in 2014, as did a mid-year meeting at the Seattle Mineral Market. The NWFM Symposium, with a Colorado theme, was successful. A new Newsletter Editor has taken over for the chapter; it is Beth Heesacker.

Southern California (Jim Reynolds): Membership has been stable, and symposiums and field trips have been successful. Response from collectors is encouraged during the comment period for a proposed solar energy project in the Mojave Desert.

Other Chapters: There were no reports from the Pennsylvania or New Jersey chapters.

Mindat: Jolyn Ralph, of Mindat, spoke about its relationship to the FM. Mindat's 501-C3 status as a Not-for-Profit organization has been secured, so a formal affiliation between these two groups should be established and publicized. He asked: What can Mindat do to help in this effort, and to expand its educational role? In turn, how can the FM best aid Mindat? Funds are badly needed, also mineral information.

Membership Feedback: It was agreed that the issue of collecting in mines and quarries certainly deserves FM concern and involvement. The point was made, however, that it is important to consider the consequences of mining efforts on the environment. Perhaps a sensible plan developed for Arizona could become a template for the nation.

The meeting was then adjourned.

Respectfully submitted,
Suzanne Liebetrau
Acting Secretary



Fluorite and Calcite (fluorescent)
Okorusu Mine, Otjiwarongo District, Otjozondjupa
Region, Namibia
Large Cabinet, 14.7 x 7.3 x 6.5 cm
Courtesy of Dr. Rob Lavinsky, The Arkenstone.



FRIENDS OF MINERALOGY

Minutes of Board Meeting held February 14, 2015, Tucson, Arizona

The meeting was called to order at 9:00 a.m. by President Allan Young. Following his welcoming words, including thanks to Regina Aumente for setting up the FM meetings, introductions of FM members attending the meeting were made. After a count was taken of the number of board members in attendance, it was determined that a quorum was present. A motion was made by Alex Schauss to accept the minutes of the February 2014 Board meeting previously published in the national newsletter. Upon receiving a second to the motion, and hearing no request for discussion, a vote was taken with the motion passing by unanimous voice vote.

Officer & Committee Reports

Alan reported on his search for a new national Newsletter Editor. Beth Heesacker (newsletter editor of the Pacific Northwest Chapter) accepted the position. She will be working with the next president of FM.

Vice President Alex Schauss reported on who received the 2014 awards for best article published in three mineral publications. The Best Mineral Article award was given to the following author(s) for articles that appeared in the following three mineral publications: *The Mineralogical Record*, "The Sar-e-Sang Lapis Mines," by T.P. (Tom) Moore and R.W.M. (Rob) Woodside; *Rocks and Minerals*, "The Microworld of Diamonds," by John Koivula and Elise A. Skälwold; and, *Mineral News*, "Tin and Tungston Minerals from Butte, Montana" by Frank Lutwerk-Dudas. No award was given to *Mineral Monographs* as it did not release an issue of the publication in 2014.

Alex Schauss also announced the winners of the Best Educational Case awards for display cases exhibited at the 2015 TGMS Tucson show. Best Institutional Award went to The Rice Northwest Museum of Rocks and Minerals for its case about lead minerals. Best Educational Award for a case by an individual exhibitor went to Eric Asselborn's case entitled, "Sucres," which focused on gwindel quartz crystals. Al and Sue Liebetrau and Si and Al Frazier served as this year's judges, with Alex serving as managing judge.

Secretary Mark Mauthner was unable to attend so no the Secretary's report was presented. The **Treasurer's** report was postponed until later in the meeting. Regina had no report on **Publicity**. Alex Schauss noted that he had begun the process of updating various magazine ads of FM to appear in 2015 and beyond. Regina Aumente asked about FM's brochures, and Allan noted that Alex has the file for updating. Alex offered to work on the brochure and make copies of the new brochure available to FM chapters and members, for distribution at meetings and mineral symposium venues around the country.

Webmaster Jim Etzwiler's reported that some FM website pages needed to be updated (i.e., date of New Mexico Symposium). He encouraged Board members to examine the FM site and to contact him if something needed to be updated.

Gloria reported on the status of FM's **Facebook** page, which has been increasingly gaining interest. Non-members visiting the Facebook page should be encouraged to join FM. However, meeting events have not been announced to date. Gloria mentioned that she could use some more assistance in managing FM's Facebook. Bruce Kelley volunteered to be another administrator.

FM Booth/Locality Indices: Nelson Shaffer reported that insurance in the amount of \$65.00 is now required for the TGMS Tucson show booth; Nelson paid the insurance premium on behalf of FM (which will be reimbursed, according to Gloria Staebler, Treasurer). Nelson would like to be relieved of booth

management responsibility at the Tucson main show, as he had served in that capacity for some time with limited support of members. Allan Young offered to help staff this year's booth. Nelson suggested that FM provide some give aways at the booth. Nelson noted that there have been no recent updates on the Indices, but the book *Ohio Minerals* is expected to be released in April. Nothing new has appeared relative to either Hawaii and Texas. The question was asked: Given the presence of Mindat, does it make sense to continue producing the Indices? Many states have not yet been assigned. No action was taken.

Bylaws: Virgil Lueth reported that the revised version had been distributed to the Board for comment. Allan noted some highlights: The Secretary will no longer be listed as Newsletter Editor. Term limits have been removed for the Secretary's and Treasurer's positions. The process for adopting these revisions will be as follows: Following receipt of Board comments and a final revision, the Board will vote on the Bylaws; then they will be submitted to the FM membership for approval. Virgil also commented on the fine FM case at the TGMS Tucson show at the Convention Center and encouraged all to take a look at it.

Chapter Reports

Colorado, Northwest, and Midwest chapter reports were printed in the January *Newsletter*, and were summarized by their representatives in attendance.

The Colorado chapter has 75 members. It is also archiving its newsletters going back to 1978.

The Midwest reporter, Clyde Spencer, reported it had 104 members and had four business meetings in 2014. It has developed a working relationship with Miami University in Oxford, Ohio. Its Midwest symposium in March 2015 will be on native elements. The chapter also met with the Ohio Mineral and Aggregate Association to discuss efforts being made by the chapter to have its members complete a special training program offered by the Federal, Mining Health and Safety Administration (MSHA). The training program is designed for mineral collectors intending to participate in organized field visits to surface mines and quarries. Hanson quarry has created for the FM Chapter a "favored status" in recognition of its efforts to have its members receive such MSHA training.

The Southern California chapter report was presented by Don Buchanan. The chapter submitted both its own and the national FM forms required annually or bi-annually to the state of California, where FM national is incorporated, as well as to the IRS, including Form 990-N. The state chapter files California forms 199-N and RRF-1, annually, to maintain its non-profit status, as well as form S-100 bi-annually for national. All fees paid in filing forms for national are reimbursed by national's Treasurer. A discussion was suggested to determine whether it was time for the national Treasurer to take over responsibility for filings on behalf of the national organization. New officers of the chapter are Dr. Don Buchanan, President; Ty Schuiling, Vice President; Bruce Bridenbecker, Treasurer; and, Anna Garcia, Secretary.

I introduced myself as Dr. Don Buchanan, Geology faculty member of San Bernardino Valley College and California State University San Bernardino. I was recently elected as President of the Southern California Chapter of FM (SCFM), and was attending the Feb 14th National FM for the first time replacing Bob Reynolds who has been President for last 30 years. Bob has allowed me to attend his SCFM programs and bring my geology students for nearly two decades. In the last six years I have served as a Vice President for field trips and Board Member to SCFM. I introduced Bruce Bridenbecker at my side as our SCFM Treasurer, and is in line to be president in two years, so we are team leading SCFM at present as Bob Reynolds retires.

Bruce is a professor of Earth Sciences at Copper Mountain Community College in local communities that border the north edge of our Joshua Tree National Park in California. Bruce is a long term member of

SCFM and has served as VP and field trip guide for a number of years until assuming Treasurer position this last year from Dr. Robert Housley of Cal Tech Pomona, a long time FM member.

We are specifically interested in updating our SCFM website as a goal, and plan to continue our semi-annual symposium and field trip schedule for fall and spring. Our last 1/2 day educational symposium in October 2014 was at the Mojave Water Agency facility in Apple Valley, CA with field trips to local Mitsubishi Cement Mine and OMYA Quarry to view operations and collect carbonate and metamorphic minerals, including a suite of fluorescent minerals found at OMYA documented in reports by geologist Howard Brown. Our spring symposium will be in Goodsprings Mining District, NV with field trips lead by former Great Basin FM President Steve Scott.

In the absence of chapter representatives in attendance for some chapters, Alex presented the Mississippi Valley Chapter report he received from Laurence Nuelle. The Mississippi Valley Chapter continues to be active and currently has 24 members. On May 17, 2014 the chapter conducted a field trip to the Valles Mines, Missouri area. This is an old zinc-lead mining area located south of St Louis. The chapter was joined by two members of the Midwest Chapter. This is a very old mining area the chapter has been trying to get access to for several years. They successfully collected galena, smithsonite, and calcite and druse quartz. Of particular interest were goethite pseudo morphs after pyrite and marcasite. The following day the chapter members on the field trip were given a tour of the Missouri Mines State Historic site at Park Hills, Missouri, by site administrator, Art Hebrank. The museum is housed in the old St. Joe mill. Well worth the visit if you are in the area. Following the museum tour some of chapter members visited the Einstein Silver Mine, which includes interesting minerals unusual for Missouri, no doubt related to an igneous dike that intruded into host rock. The next meeting of the chapter will be held at the Kansas City Gem & Mineral Show on March 15th at 9:00 A.M. The chapter also had display cases in two shows during 2014. One was the Kansas City show in March and the other the St. Louis show in August. Members brought in some of their favorite specimens to show. The chapter plans to show in these two shows again this year. The theme will be self-collected minerals. The chapter does not yet have a field trip scheduled for 2015 as it is becoming more difficult to find places to visit.

Allan presented the New Jersey report which was submitted by the chapter's President, "KC" Dalby. The chapter currently has 17 members. It is actively setting up field trips for 2015. One trip would be in partnership with the Pennsylvania Chapter to visit a quarry in that state that seems to be receptive to allowing mineral societies into their facilities. The NJ chapter is also working on reopening the infamous Chimney Rock quarry in Bound Brook, New Jersey, to collecting.

Treasurer's Report: FM's balance (checking and savings) was reported by Gloria Staebler, FM Treasurer, as \$22,695.73. Gloria reported that just days prior to the board meeting her car was broken into and computer stolen which contained FM's financial information. As a result, she had taken steps to freeze the account and to create a new account. The board asked where dues should be sent? Gloria stated that FM dues should be sent to Gloria as Treasurer. She has an assistant in her office keep track of membership status, to assist her. Chapter dues remain with chapters, as each chapter has its own 501-C3. Gloria also noted that there had existed two non-profit bank accounts, one registered and maintained in Colorado, the other in California, which is the state in which FM is registered as a non-profit. As a result, the Colorado account was closed, and a new consolidated account established in California. Allan noted that as a result the California account will be FM's "official" account, since it is incorporated as a non-profit in California, while chapters maintain their accounts in the state in which the chapter is incorporated, unless moved to another state by vote of chapter members. Gloria was aware of four chapter accounts. It was noted by Gloria that national's California account would not be used by the Southern California chapter, as it is able to establish its own chapter account. Allan noted that among the proposed by-law changes: The Treasurer would maintain an electronic membership list and serve

as "Membership Chair." Following the completion of the Treasurer's Report it was approved unanimously by the board. Allan Young pointed out that the Executive Committee of the Board will perform an audit of FM's bank account once Gloria has them compiled and ready to be submitted.

Old Business:

Allan noted that there has been no change or word about the **MR Supplement project** for kids, hence no further action was needed. He also reported no action was needed for the Boy Scout merit badge as currently only two badges relate to mineralogy, but in more general terms. He will keep working on a possible badge for a more mineral-related topic such as a badge in mineral crystallography. However, he warned this could be a lengthy and challenging process before a new badge would be approved.

National Insurance: Further attempts to secure insurance that would cover all members participating in field trips have been dropped for the time being.

AGI Membership: Virgil reported the FM related costs to belong to the American Geosciences Institute has been abnormally high because the number of professional geologist members in FM was overestimated. A new membership list giving the correct number will be sent by Gloria to Virgil to forward to AGI, which should reduce cost.

Website backup: Webmaster Report was given earlier.

Membership Lists: Included in Treasurer's Report.

There was no other old business.

Election of Board Members and Officers

The Nomination Committee (chaired by Virgil Lueth) reported the following: John Lindell and Mark Mauthner have retired as Board Member and Secretary, respectively. Virgil received 17 ballot responses, and all candidates were elected unanimously, as follows: Jim Etzwiler, Clyde Spencer, and Sue Liebetrau were re-elected to the Board of Directors, and Jim Houran was elected as FM's newest Board Member. Virgil then presented nominations for Alexander Schauss as President and Clyde Spencer as Vice President. The Board elected both officers for the position so nominated by voice vote. Thereafter, Clyde announced that he would step down as Midwest Chapter President to serve as FM's national Vice President, as chapter presidents cannot serve as officers of the national organization. Following the election/installation, Alex presented a plaque to Allan Young for outstanding service to FM as past-President. Alex Schauss then took over chairing the meeting from Alan.

New Business

Donations Policy: Discussion was re-opened as to whether FM should establish limits on donations to symposiums requesting financial support. Alex invited any discussion on the subject. Gloria Staebler suggested that a rate be established based on a per participant attendance basis that would be attending the symposium in question. Visitor and FM member, Albert Liebetrau, noted that the Fluorescent Mineral Society is trying to establish criteria for such donations and will gladly share its criteria with FM. Clyde Spencer noted that expenses related to symposiums are especially difficult for new chapters to handle while building its membership, and recommended a flexible policy. Allan Young suggested that a base rate be established and that a limit be set for total donations: the amount could be divided among recipients. He pointed out that the reduction in FM dues retained by national has been helpful in encouraging chapters, but has had the net effect of reducing discretionary funding for symposiums. Virgil Lueth requested a donation of \$500 for the 2015 New Mexico Mineral Symposium to be held in Socorro, New Mexico. Allan Young moved that the New Mexico request be granted, which was seconded. There being no further discussion on the motion, a vote was taken. The motion was passed unanimously by voice vote, with Virgil abstaining. A motion was made and seconded that a \$1200 limit be established for donations to symposium requested financial support in 2015. As there was no second to the motion, Allan withdrew the motion. Clyde Spencer made a motion that \$200 be donated to the Midwest chapter to support travel expenses for a speaker at the 2015 Midwest Mineral Symposium. The motion was seconded, and discussed briefly, then passed unanimously by voice vote, with Clyde abstaining.

Newsletter Editor: The new national newsletter editor is Beth Heesacker, who has also been the newsletter editor of the Pacific Northwest Chapter of FM for some years.

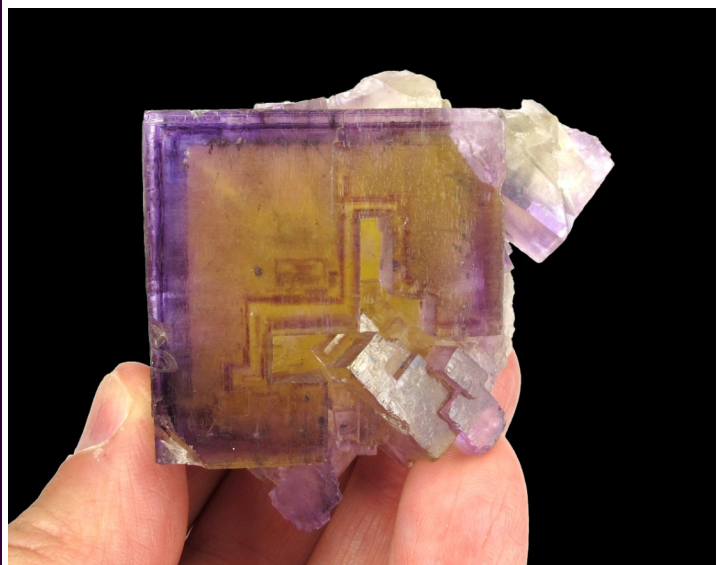
Mineralogical Association of Canada: Discussion came up that FM has been affiliated with the Mineralogical Association of Canada for some time, and should be listed as a FM affiliate in its ads, website, and Facebook page.

Mindat Affiliation: Gloria reported that Mindat has now obtained official not-for-profit status from the U.S. Internal Revenue Service (IRS) by using the Hudson Institute of Mineralogy's non-profit shell. Virgil Lueth moved that FM formally acknowledge Mindat as an official affiliate. The motion was seconded and passed unanimously by voice vote.

Other New Business: Gloria suggested that we should honor Marty Zinn for his service. Alex volunteered to explore how this can best be done given his years of financial support to FM, including covering the cost of breakfast meals at both the general membership and board meetings each year in Tucson. The question was raised whether we should purchase Awards Banquet tickets for spouses of award winners. The decision, after discussion, was not to do so. No formal action was taken. Alex summarized information about the efforts by MSHA in Arizona to systematically shut down mineral collecting projects around the state, beginning with the Rowley mine in Maricopa County, with mines such as the Red Could mine and 79 mine to follow. Efforts by FM to block such efforts were discussed during the General Membership meeting on February 10th. The problem began when MSHA decided to disregard official attempts by two miners at the Rowley mine to seek advice of MSHA's Educational Unit in an effort to meet MSHA

compliance standards, or to approve its safety plan. Instead of providing the requested educational support, the regional office in Mesa, Arizona, sent an enforcement officer to the mine. While issuing several citations, they two miners learned that it was the regional office's objective to begin closing such mineral collecting projects. Despite considerable interest by the Geoscience Department at the University of Arizona to perform analyses of rare minerals discovered in the mine, supported by a letter to the Denver District office of MSHA, additional citations were issued, while no educational services were provided. Alex, who has experience in dealing with such matters at the Congressional level, made plans to meet with the miners and officials to see if attempts to shut down the mine can be abetted. If not, he will be setting up meetings to bring the issue to the attention of members of Congress. He will update the membership once steps have been taken to ameliorate the situation.

As there was no further discussion, a motion was made to adjourn the meeting, which upon receiving a second, passed unanimously by voice vote. The meeting was officially adjourned at 10:00 am.



Fluorite on Fluorite
Xianghualing Mine, Linwu County,
Hunan Province, China
Small Cabinet, 8 x 7.3 x 4.6 cm
Courtesy of Dr. Rob Lavinsky, The Arkenstone.

New Books About Minerals/Mineralogy

Collector's Guide to Herkimer Diamonds by Michael Walter

The latest in Schiffer Publishing's mineral collector's guides, The *Collector's Guide to Herkimer Diamonds* is written by veteran field collector and author Michael Walter. Beautifully illustrated with over 210 vivid color images of important specimens, associated minerals, and field shots.

2014, 96 pages, softcover, \$20. ISBN: 978-0-7643-4710-8

To order a copy: info@lithographie.org

The publisher will pay the shipping for FM members.

Gold for Collectors By Scott Werschky and Carles Curto

The book is a celebration of gold specimens found in museums and private collections around the world. Many of the specimen photos show rare forms of crystallized gold. Photos by Joaquim Callens.

2014, Hardcover, 288 pages, 24.5 x 34.5 cm, English, \$100,

ISBN: 978-84-697-1346-4. Publisher: Mineral Up Editions, Barcelona, Spain. To order a copy:

info@lithographie.org

Lithographie, Ltd., in Denver, will pay the shipping for FM members if shipped in the United States.

Mineral Gallery By Marcel Vanek

This is a sleeper that was offered by Spirifer Minerals (Poland) in his room at the Inn Suites Hotel, in Tucson early February 2015. The book provides hundreds of photographs of minerals and agates, collected in Czech Republic, Bohemia, Moravia, Slovakia, and around the world, in the author's collection, and his photos.

2014, Hardcover, 224 pages, 21.5 x 29.5 cm, in English and Czech, \$26.50, plus shipping from the Czech Republic.

To order, from MILAHELP, the publisher: infor@milahep.cz

ISBN: 978-80-87279-14-4

The World of Tourmaline: The Gerhard Wagner Collection Editors: Mary Fong-Walker, Gunther Neumeier, Jim Walker

If you like tourmalines, this is the book to add to your library. Wagner's collection includes exceptional tourmalines from around the world acquired over the last 25 years, beautifully captured in photos by noted mineral photographer, Mark Mauthner.

2015, Hardcover, 264 pages, 24.5 x 28.5 cm, in English and German,

\$100.00. Publisher: Ivy Press, Dallas, Texas.

To order: Contact the publisher at 3500 Maple Avenue, 17th Floor, Dallas, Texas 75219-3914. ISBN: 978-1-63351-048-7

Glossary of Mineral Species 2014 By Malcolm Back

\$34.00. To order: <http://www.mineralogicalrecord>.

The Minerals of Sainte-Marie-aux-Mines by Alain Martaud

Trilingual (French-English-German) and well written, this book pays tribute to the mineralogical heritage of this ancient French district famed for its silver, arsenate, copper and zinc ores. The volume includes more than 400 maps and illustrations and covers over 1,000 years of mining history.

2013, Hardcover, 208 pages, in English, French and German, \$60.00. Publisher: Les Editions du Piat, Haut-Rhin, Alsac, France.

ISBN: 978-2-917198-18-6. To order: info@lithographie.org

Lithographie, Ltd., in Denver, will pay the shipping for FM members if shipped in the United States.

Mineral Treasures of the Ozarks
by Bruce L. Stinchomb

The Ozarks highland region of the Midwest, located in southern Missouri and northern Arkansas, is the source of very aesthetic mineral specimens. The book contains over 500 images representing collected minerals, including the tristate district and Missouri's Viburnum Trend. This fascinating, well written, and highly informative text on "Mississippi Valley Type" (MVT) minerals, their deposition, how they fit into the broader category scope of North American mineralogy, and the locations of MVT minerals, is well worth the price.

2014, softcover, 160 pages, 21.5 x 28 cm, \$29.99. Publisher: Schiffer Publishing, Atglen, PA. ISBN: 978-0-7643-4715-3. To order: info@lithographie.org Lithographie, Ltd., in Denver, will pay the shipping for FM members if shipped in the United States.

Collector's Guide to the Zeolite Group
by Robert J. Lauf

Zeolite group minerals are found around the world, and vital to industry. This text provides over 200 photographs of beautiful minerals with an explanation of their formation, geochemistry, morphology, and taxonomy. Exceptional photographs of 62 zeolites, support the discussion on this highly diverse group of aluminosilicate minerals.

2014, softcover, 160 pages, 21.5 x 28 cm, \$29.99. Publisher: Schiffer Publishing, Atglen, PA. ISBN: 978-0-7643-4715-3. To order: info@lithographie.org Lithographie, Ltd., in Denver, will pay the shipping for FM members if shipped in the United States.

Cavradi
By Jochen Mattis

The Cavradi Gorge, in the western most part of the Swiss canton of Grisons (Graubünden), is one of the most important hematite localities in the world, well known for its attractive smoky quartz gwindel's, exceptional titanite and milarite specimens, and other minerals. This richly illustrated book covers the beauty and diversity of minerals collected in the region.

2013, 216 pages, hardbound, dustcover and slipcase, 24 x 31 cm, \$110.00. ISBN: 978-3-033-04198-1. Publisher: Jochen Mattis, Reinbach, Switzerland. To order: <http://www.mineralogicalrecord.com/books.asp>

Glossary of Mineral Synonyms
By Jeffrey de Fourestier

Robert F. Martin, Editor of *The Canadian Mineralogist* said, described this book as an indispensable companion to the first publication in 1994, entitled the *Encyclopedia of Mineral Names*, produced by the same publisher. The book's focus is on IMA-approved nomenclature concerning the proper nomenclature of minerals. With over 35,000 entries in alphabetical order, and the IMA-approved names, this 448-page glossary will be a repeated useful authoritative reference for mineral collectors.

1999, Hardcover, 448 pages, 21.5 x 30 cm, \$21.00. Publisher: Mineralogical Association of Canada. ISBN: 0-

921294-44-1 To order new or used copies: <http://www.amazon.com/Glossary-Mineral-Synonyms-Jeffrey-Fourestier/dp/0921294441>

Not So New Books About Minerals

Minerals of Mexico
by Luis Haghenbeck

Price Reduced

While by no means the last word on Mexico's rich mineralogical heritage, *Minerals of Mexico* is a fine fix for collectors. It reviews the history and highlights of many of the country's significant mineral finds, doing so in vivid color.

2011, 376 pages, hardcover, \$40 (was \$55). ISBN: 978-607-00-4459-5

To order: info@lithographie.org Lithographie, Ltd., Denver, will pay the shipping for FM members if shipped in the United States.

American Mineral Treasures

Leather edition, while they last

A classic. 325 copies of *American Mineral Treasures* have been bound to create a full grain natural pigskin leather hardbound book, creating a durable desk or library edition of this classic. The front cover and spine of each numbered volume is foil stamped. The original hardcover edition of *American Mineral Treasures* has been out of print for some time.

2008, 354 pages, leather-bound, \$250.00. ISBN: 978-0-9790998-2-3.

To order: info@lithographie.org Lithographie, Ltd., Denver, will pay the shipping for FM members if shipped in the United States.



Anglesite,
Touissit Mine, Oujda,
Oujda-Angad Province, Oriental Region,
Morocco, 2.5 x 2.1 x 1.3 cm,
Mark Mauthner photo,
Alex Schauss specimen.

Upcoming Symposia:

23rd Annual Minerals of Arizona Symposium

March 27-29, 2015.

Clarion Hotel (480-893-3900) at Phoenix Tech Center, 5121 E. La Puente Avenue, Phoenix, Arizona.

Registration is through the Flagg Mineral Foundation in Mesa, Arizona:

www.flaggmineralfoundation.org

A wide range of topics will be covered at the Symposium, starting with a Micromineral Symposium on Friday the 27th, followed by the Saturday program which will include the following subjects: Crystallized gypsum deposits of the San Pedro River Basin; Red Cloud Mine – The World's Greatest Wulfenite Locality; Notable Native Silver Specimen Producing Localities in Arizona and New Mexico; The Apex Mine, Utah – A Colorado Plateau-type Solution-Collapse Breccia Pipe and a Tsumeb, Namibia Analogue; Mine Reclamation and Mineral Specimen Recovery Operation at the Blanchard Mine, Socorro County, New Mexico; Origins of Azurite and Malachite; History of the Freeport-McMoran Minerals Mineral Collection; and, Emus, 'Roos and Minerals and Mines at Broken Hill, New South Wales, Australia. On Sunday the 29th, portable X-ray diffraction demonstration in analyzing gold and other minerals for their chemistry will be the program. Participants can bring one unknown sample to be analyzed.

42nd Rochester Mineral Symposium

April 23-26

New York.

Information to register for the symposium is found at: <http://www.rasny.org/minsymposium/42nd%20RMS%20Registration.pdf>

The speaker list and titles are:

Peter Lyckberg – Gem Pegmatites of Afghanistan and Pakistan

Carl Francis – Maine Gem and Mineral Museum

Herwig Pelckmans – Minerals of Belgium

Tony Albini – Connecticut Pegmatites

Alex Schauss – Thumbnail-sized Minerals: Aesthetics, Colors, and Rarities

Jeff Scovil – What's New in Minerals

Chris Stefano – The Life and Collection of Eberhardt W. Heinrich

Ray MacDougall – Into the Andes: Quiruvilca, Peru

Kim Tait – The Royal Ontario Museum, 100 Years and Counting: The Addition of the Kirwin Collection and Collection Storage Renovations

Herwig Pelckmans – SCHOEP: From Fred Flintstone to Bob the Builder

Peter Lyckberg – The Malmberg Mine, Lapland, Sweden

For micromounters there will also be a "micromounters playroom". Contact Quintin Wight – Micromounters Playroom (qwight@sympatico.ca)

Symposium registration can also be done by contacting Helen Chamberlain – Registrar 315-682-0387 (contactrms@hotmail.com)

Micro-Mineral Study Group

May 2, 2015, 9-4

Fire Station Meeting Room

2930 SE Oak Grove Boulevard

Milwaukie, Oregon

Montana Minerals and Mining Symposium- Rediscovering Mineral Potential

May 8—10, 2015

Montana Tech Campus in Butte, Montana

The gathering begins on Friday, May 8, with a tour of Montana Tech's Underground Mine Education Center located in the Orphan Boy Mine. Saturday morning's activities will include oral presentations and posters, followed by lunch at the school's mineral museum, which has over 1,000 specimens on display, of the museum's holding of over 13,000 specimens. Oral and poster presentations continue through Sunday morning the 10th.

For more information and to register for the symposium, contact Stanley Korzeb (SKorzeb@mtech.edu) 406-496-4381. The cut off for pre-registration is April 8th.

The proceedings of this symposium will be published as a Montana Bureau of Mines and Geology special publication, made available as a downloadable document.

4th Annual Dallas Mineral Collecting Symposium

August 21-22, 2015, in Dallas, Texas.

Friends of Mineralogy is excited to announce we're officially a sponsor of the Dallas Mineral Collecting Symposium, held annually in August. As a sponsor alongside The Arkenstone, Heritage Auctions, Gem-A, and the Mineralogical Association of Dallas, we are building upon the Dallas Symposium's tradition of presenting world-class speakers and exciting social events to encourage a love of fine minerals.

The Dallas Symposium started unofficially at the opening of The Arkenstone's new gallery location in 2010 when several invited guests offered to give educational lectures, including Gene Meieran and Harrison "Jack" Schmidt, the last person to walk on the moon. After seeing the enthusiastic response from attendees, the Dallas Symposium was formally launched in 2011. Since then, the weekend has grown exponentially, both in the number of attendees and the excitement surrounding the festivities!

Symposium attendees are welcomed to town on Friday, August 21 by a gathering at The Arkenstone to launch the beginning of the weekend's activities. Previous guests might be familiar with Southern Methodist University's lecture hall, which has generously hosted the Dallas Symposium for several years, but due to (or thanks to) increasing attendance, the lecture series outgrew SMU's 250-person venue and will be moving the Saturday lectures to the Eisemann Performing Arts Center to allow for greater attendance starting this year.

An evening banquet on Saturday night will provide guests ample opportunity to meet guest speakers, discuss favorite talks, and connect with other collectors who share a love and passion for these beautiful works of natural art.



Bryan Swoboda, Bob Jones and Gene Meieran, PhD. attending last year's Symposium. Mamone Photography, Courtesy of The Arkenstone.

Registration begins in April 2015, and will likely be sold out well before the event. This year's speakers from around the world will include:

Brice Gobin. Tanzanite: From Mine to Market
Dr. Robert Bowell. Tsumeb: A Mineralogical Paradise!
Dr. Frederico Pezzotta. Adventures in Madagascar
Tom Gressman. Mineralogical Record: History and Significance
Dr. Bruce Cairncross. The Kalahari Manganese Field: Discovery, Development and Divine Minerals
Tomek Prazkier. Adventures in Morocco Featuring Mibladen
Dr. Bruce Cairncross and Dr. Robert Bowell. Darkest Copper: Classic and Contemporary Copper Minerals of Note from Africa

Registration will open in April, and in the meantime, visit www.DallasSymposium.org to add yourself to the mailing list so you can be notified as soon as registration opens!

41st PNWFM Annual Symposium, Northeast USA and Fluorescent Minerals

October 9-10, 2015
Kelso, WA

Contact Bruce Kelley, bruce.kelley@gmail.com.
There is more information at <http://www.pnwfm.org/symposium.html>

The New Mexico Mineral Symposium

November 14-15
Socorro, New Mexico

Contact Dr. Virgil Lueth, vlueth@mtu.edu.
There is more information at <http://geoinfo.nmt.edu/>

Fluorite on Fluorite
Xianghualing Mine, Linwu County,
Hunan Province, China
Small Cabinet, 8 x 7.3 x 4.6 cm
Courtesy of Dr. Rob Lavinsky,
The Arkenstone.



Virtual Museum of the History of Mineralogy

By Alex Schauss

This "museum" is a joint initiative of two Europeans, Paul Tambuyser and Claude Hootele, whose interests are in crystallography, classic mineralogy, history of mineralogy and crystallography, and mineral collecting, brought them together to create the website. Numerous museums in Europe and individuals have contributed to this fascinating website dedicated to the history of mineralogy.

The Virtual Museum has a newsletter that updates readers on new acquisitions of historical mineralogy interest including books and mineralogical instruments added to the sites archive. In 2012, for example, they started an archive giving access to an important number of digitalized crystallography catalogs. Previous electronic copies of the semi-annual newsletter are included.

On June 22, 2007, the Virtual Museum of the History of Mineralogy opened to the public. Tambuyser and Hootele experienced that the information in these fields is dispersed and therefore sometimes difficult to find and to access, particularly for the private collector. With this observation in mind, they started to assemble and eventually offer information regarding the history of mineralogy and crystallography. Initially, they contacted some nearby collectors who were willing to have their treasures photographed and described. Selections of these objects were organized into 5 major collections that have grown over the last eight years that serve to illustrate the history of mineralogy and crystallography in the pre x-ray diffraction era.

These collections include:

Crystallographic goniometers:

At present over 50 goniometers are photographed and described. Among them are 24 different contact goniometers illustrating the earliest models till the more recent types used for educational purposes (mainly for measuring crystal models)

Other instruments related to mineralogy and crystallography:

They presently show some 20 instruments that were mainly used in optical mineralogy and – crystallography (e.g. polarizing microscopes, polariscopes, etc.). Apart from optical instruments there are a few blowpipe sets and an areometer.

Crystal models:

The amount of crystal models surviving is pretty large. Initially we present only a small selection in order to give an idea of these interesting objects that were (and some still are) used for educational purposes.

Antique labels and their accompanying mineral specimens:

The presence of a label -or possibly of a set of labels- accompanying an early mineral specimen enhances the historical value of both. Some 20 labels together with their accompanying mineral specimen are presently shown in the collection.

Mineralogy and crystallography books:

A large amount of early mineralogy and crystallography books need to be described. As a start they have chosen the main works by René Just Haüy, one of the key persons in the development of the sciences of mineralogy and crystallography.

The Museum Shop includes ads from collectors, dealers and prestigious booksellers. The site also has links to antiquarian book dealers worldwide, including Rocks of Ages in the United States <http://www.rxofages.com>, to help readers find mineralogical works of interest.

The link to this fascinating website is: <http://www.mineralogy.eu/>

FM Chapter Reports:

NJ CHAPTER UPDATE

Since our start in 2013, we have been struggling to overcome the many obstacles facing new mineral societies. It appears as of this writing, many of our roadblocks are mere speed bumps at this time.

Our membership, although just under twenty, does continue to grow steadily. Thanks to one member who developed a web site for us and another who has given us a presence on Face Book, we are experiencing sustained growth and recognition.

Having also obtained insurance coverage through the Eastern Federation, we have our first field trip scheduled for May of this year. We hope to not only find some great specimens, but also hope to get updated photos of the quarry being visited and will be working closely with Jolyon Ralph in the update to the quarry site page that is on Mindat. Any place we go, we will be doing the same to assist in updating any current documented collecting locale.

Our meetings continue monthly on the second Wednesday of each month and switch between the Geology Museum of Rutgers and my residence.

We are also in the planning stages of an old fashioned swap meet, opening it up to other members of mineral clubs in New Jersey and the surrounding states. There is a generation of mineral collectors who have never swapped or bartered for a specimen of their choice. If all goes well, we may just turn this into another Quartzite or Gilsum.

We wish to invite any member of any chapter of the Friends, to contact us if they are planning to be in our area. If given enough advance warning, we can open our homes for lodging and will find a member to get you into the field.

Our sincere thanks to our outgoing National President Allan Young and want to welcome the new head of state, Alex Schauss.

KC Dalby, President NJ Chapter

COLORADO CHAPTER UPDATE

The full details of the chapter's activities during 2014 were summarized in the January 2015 National newsletter. Our activities since the start of the new year has continued smoothly. We have had two presentations of our traditional bi-monthly meetings at the Denver Museum of Nature and Science. In January, Ian Merkel presented on the recent activities at the amethyst mines around Thunder Bay with excellent pictures of many of the varied inclusions in the amethysts. The Merkel's presentation prodded the memories of Dan Kile, who in March, presented on the historical activities at the amethyst mines around Thunder Bay during the late 1970s to early 1980s, with excellent pictures and descriptions about sector zoning of some of these crystals. Extended abstracts from both presentations were provided in the FMCC newsletters and can be downloaded from our website. In addition, our chapter website now has downloadable newsletters for 2015 to 1994 with partial coverage from 1982-86. Scanning of paper copies continues as time permits.

The chapter in conjunction with Friends of the CSM Geology museum is also planning a pegmatite symposium for the summer of 2016 and a "gold-silver triangle" metal mining (Central City-Idaho Springs-

Georgetown) symposium for the summer of 2017. A concept meeting was held in January to reach agreement for these high level decisions. The Chapter's annual May auction of mineral specimens and related materials is still being planned. We will be recruiting speakers for next year as well as a speaker for our September 2015 meeting, which is currently scheduled for just after the Denver gem and Mineral show.

Mark Jacobson, President Colorado Chapter

California Chapter Report

For our Goodsprings Mining District symposium in Nevada this last weekend we hosted a series of five speakers in a 9am to 12pm symposium. We had 55 participants in the symposium and over 30 some participants in each of the two days of local mineral collecting there in southern Nevada.

Best Paper Award presented by the Friends of Mineralogy, a Thank You

February 24, 2015

Alex Schauss, President
Friends of Mineralogy
1083 W. Saddlehorn Drive
Oro Valley, AZ 85704

Dear Alex,
Once again I am writing to thank Friends of Mineralogy for honoring *Rocks & Minerals* with an annual Best Paper Award.

We were very pleased to see the labors of coauthors John I. Koivula and Elise A. Skälwold rewarded for their excellent article titled "The Microworld of Diamonds: Images from Earth's Mantle," which was published in the January/February 2014 issue.

When received from the treasurer, the check for \$200 will also be appreciated. It will be deposited in the magazine's color-fund account and will be used to help underwrite color photography in issues throughout the year.

Mention will be made of the award in my Chips from the Quarry column in the May/June issue, and Friends of Mineralogy will be included in our annual list of donors published in next year's March/April issue.

Your continuing support of *Rocks & Minerals* in this manner is gratefully acknowledged.

With best regards,
Marie Huizing
Managing Editor

c: Sue Liebetrau, Secretary, FM
Gloria Staebler, Treasurer, FM
R&M Executive Editors: Robert Cook, Carl Francis, John Rakovan

A Mineral Show You've Probably Never Heard of in Europe **By Alex Schauss**



Every summer in July there is a mineral show in Europe you are unlikely to have heard of that last year drew over 65,000 attendees. No, not the Munich Show in late October or the Saint Marie Aux Mines Show in France, near the German border, in late June. This show is centered around the town square (*Rynek Miejski*) of the city of Lwówek Śląski, Poland, close to the borders of Germany and the Czech Republic, an easy drive from either, Dresden, Germany, Prague, Czech Republic, or Krakow, Poland.

The three-day festival, called "Crystal Days", includes numerous mineral/geology related events including lectures, museum-quality exhibitions, and of course, lots of gem, mineral and fossil dealers. What draws

such large crowds daily are the many activities that celebrate the region's geologic heritage in addition to music concerts, competitions, plenty of food vendors, and the usual suspect booths that sell just about anything, much like Quartzsite, Arizona is known for in January.

Each year the City of Lwówek's Town Hall hosts a large mineral-related Main Exhibit that is open to the public for three months after the Crystal Days festivities conclude. This exhibition in itself draws tourists from all over the region annually, to demonstrate the town's passion for minerals and the earth sciences.

Photos of Lwówek' courtesy of Wikipedia; Wikipedia contributors. "Lwówek Śląski." *Wikipedia, The Free Encyclopedia*. Wikipedia, The Free Encyclopedia, 1 Jan. 2015. Web. 14 Mar. 2015.





Ken Don's photos!

Minerals of Western Europe - Wrap up!

By Peter Megaw, Special/Guest Exhibits Chair

What a difference a week makes! The house-guests are gone, specimens are back in place from exhibits in Best of Theme, Breast Cancer Survivors, Quartz Thumbnails and Blue Minerals, and the brain-fog from three weeks of (completely voluntary) sleep deprivation is starting to lift. Sadly, this year's avatar of the most ephemeral world-class mineral museum in existence is history, but the images of all those great exhibits linger in our (recovering) memories ... and

Our "Minerals of Western Europe" theme was played to by over 50 museum and private exhibitors representing over 14 countries ... with 8 from various parts of the UK. Exhibits ranged from some of the oldest mineral specimens known (1500's belonging to Georges Agricola), some of the best Swiss minerals ever seen (the Jordanite and Anatase were amazing, not to mention all the Gwindels), great suites of Northern England fluorites (Rogerley and Greenbank cases), and German classics (Krugerhaus, Smithsonian and National Museum of Canada). The "Great Quartz Face-Off" was also a great success with over 20 cases devoted to quartz in all its forms and colors (Gene's amethyst "Y" had everyone asking where the MCA was ... and did I mention all the Gwindels?). Throw in the bracelets that ushered in Art Deco, a golden Thunderbolt, amazing gem carvings, new -fangled faceted stones and that unbelievable Baveno-Twinned Amazonite, and the buzz never stopped.

I can't count the number of potential exhibitors who wrote me over the last year expressing their appreciation for our renewed focus on exhibits and the great look the new cases gave our 2014 Show. A fair number of them followed that with "It looked so good I just had to see if there was room for me for 2015." Setting a precedent, this year



we had EVERY case we own (plus some of Linda's) occupied and actually had to turn some folks away. And 2016 "Shades of Blue" looks like it will be worse/better! Requests for exhibits started rolling in during set-up ... you could see

the wheels turning as folks started thinking about what they've got in their collections to play to this novel theme. Given how many wonderful blue minerals come from Arizona I am hoping that more TGMS members will exhibit next year...either individually or perhaps in "group-shoot" cases featuring prizes bagged on TGMS field trips (I have a nice Morenci piece collected with Bill and Millie Schupp to throw into that mix if someone cares to coordinate). Common copper species will probably dominate, but I understand some of our members have found nice blue non-copper species in the area too ... like aquamarine and linarite ... and there are really good blue rarities from the region ... like utahite and mammothite ... that the micro-lovers can bring to the table.

Speaking of Bill and Millie ... this year we instituted two new trophies for exhibits ... one for museum and one for TGMS member exhibits. The first is the *Clayton and Betty Gibson Trophy*, recognizing the fact that they spearheaded the effort to get museums to exhibit at our Show. Given to the best museum exhibit in the Show, the debut trophy was appropriately awarded to the Smithsonian ... the first museum ever to exhibit at our Show. Inviting them (in 1963) was arguably the single most important step leading

to the growing success of our Show. The second is the *Bill and Millie Schupp Trophy*, recognizing their efforts to get TGMS members involved in the Society and Show. Given to the best exhibit (competitive or not) by a **TGMS volunteer**, the debut trophy was awarded to Jim Bleess for his Terry Ledford Memorial Exhibit. **YOU could be next!!!!** Please mark your calendars now to exhibit, volunteer and *enjoy* being part of our continuing success in 2016 and beyond!



Tucson Gem and Mineral Show Awards

COMPETITIVE AWARDS

Best Master/Best in Show: Jim and Charelle Webb
 Best Advanced: Angela Cannon
 Best Junior-Master: Harris Kaminski
 Best Junior: Kaleigh Brown

Best of Theme

Thumbnail - Jaye Smith/Bill Lawrence Collection
 Toenail - Tim Sherburn
 Miniature - Sue Liebetrau
 Small Cabinet - Robert Thacker
 Cabinet - Brent Lockhart
 Lapidary/Jewelry - Ed & Aleta Huskinson

Special Trophies

Bideaux (Best Arizona Specimen) - Irv Brown
 Lidstrom (Best Single Specimen) - Barry Kitt
 Desautels (Best Case) - Barry Kitt
 Romero (Best Mexican Mineral) - Gail Spann
 Clayton & Betty Gibson Memorial – Smithsonian Institute
 Bill & Millie Schupp - Jim Bless (Terry Leadford Memorial Exhibit)

Courtesy of Rock Talk, March-April 2015

Friends of Mineralogy Tucson Awards

The Friends of Mineralogy presented the awards at the Saturday night banquet of the Tucson Gem and Mineral Show. The winners at the 2015 Tucson Show were:

- **Best Article 2014, *The Mineralogical Record***, Thomas P. Moore and Rob M. Woodside – “The Sar-e-Sang Lapis Mines”
- **Best Article 2014, *Rocks & Minerals***, John I. Koivula and Elise A. Skälwold – “Microworld of Diamonds: Images from Earth's Mantle”
- **Best Article 2014, *Mineral News***, Frank Lutwerk-Dudas, – “Tin and Tungsten Minerals from Butte, Montana”
- **Best Educational Case, TGMS, 2015 – Individual**, Eric Asselborn for “Sucres: Crystals with the habit called sucre or sugar are also geschlossen gwindel or closed gwindel”
- **Best Educational Case, TGMS, 2015 – Institutional**, Rice Northwest Museum of Rocks and Minerals, Portland, Oregon for “Lead Minerals”

In conjunction with the Best Article awards, FM presented a check for \$200 to each of the magazines, *The Mineralogical Record*, *Rocks & Minerals*, and *Mineral News*.

Review of an Up-Coming Book and a Request By Mark Jacobson, Colorado Chapter President

The Mineralogy of Texas: The book by Arthur E. Smith, Jr.

In 2009, Art Smith had completed a draft of the book “The Mineralogy of Texas.” This manuscript, including bibliography contained about 200 single spaced pages with no pictures or maps. Although this manuscript had existed in 2005, Art was then working on it at a more leisurely pace. By 2008, Art knew that his time might be limited, so he added to this text at a frantic pace. There are sections that clearly post-dated 2008. The book contains all the minerals and not surprisingly hydrocarbon varieties known in Texas up to 2009. It does not contain meteorites or minerals in meteorites. It is thoroughly referenced – Art used to sit in the Rice University library and go through each journal manually, issue after issue. The bulk, if not all, of the material was created pre-internet.

I have taken this manuscript and completed the editing to make the cited references in the text match the bibliography section at the end of the book. The remaining work at this time is line editing for grammar, style and format not content. The sections that are completely undone are his acknowledgements, mineral pictures and maps. The current text is 212 pages, single spaced at 12 point font, with healthy 1.25 inch margins.

The plan is to have the book published in color as a “print on demand” in softcover and hardcover via Lulu or similar online company by the end of 2015. The final book would probably be between 250 to 350 pages due to the inclusion of hoped for pictures and possible maps. I expect to have the line editing done by July 2015. The copyright to the text is owned by Art's son, Brett Smith. He has given me permission in writing to complete the book and have it published. Any profits, if any, would go to Brett, not myself.

I am soliciting pictures of Texas mineral specimens for inclusion in the book. What I am offering is that

any mineral photographs that are used would be cited as photo by and courtesy of 'the photographer.' The owner of the specimen will be cited also, but only if the owner wants this to be done. In addition the photographer's name will be added to the acknowledgement section. In all cases, the photographer retains the copyright on the picture and only licenses its non-exclusive use in the book. The pictures can be either digital jpg files at greater than 500 dpi (printed size) or scanned from 35 mm slides/negatives at 2500 dpi or greater (meaning the picture can be printed at 5x the slide negative size). The author of the book will be exclusively Art Smith and copyright to him or his estate. I am only taking on this project as a debt to Art for his many years of friendship and that clearly this book was intended to be his "Great work." It is unlikely that a similar manuscript with his thoroughness and depth of knowledge will appear for many years in the future, if at all.

I can be contacted via markivanjacobson@gmail.com regarding pictures or black and white maps.

Message from the Editor



As your new editor I wish to introduce myself. I am Beth Heesacker, married, retired and enjoying my new hobbies of mineral collecting and editing newsletters (now up to 4 different ones). I make no claims of knowing much about minerals but I am slowly learning. My collection consists mostly of micro and thumbnail specimens along with some larger ones and many tons of lapidary type materials.

My background is mostly in managing computer systems. I have a Master's Degree in Theology and am also a multi-media artist. I know, very different paths, but each has given me a new perspective on life and the world, and people, around me. I am also an amateur geologist which is what led me to

the study of minerals.

Now you know something about me and I hope to learn more about you as time goes on. I invite articles and photos on various mineralogical topics for future editions of this newsletter. The current schedule is to publish 4 times a year (in the latter parts of March, June, September and December).

I was not sent many pictures of the Tucson Show for this newsletter but a good source for pictures is a report on Mindat: <http://www.mindat.org/article.php/2201/Tucson+2015+-+A+quick+photo+tour>

Meta-Autunite,
Sao Pedro mine, Malacacheta,
Minas Gerais, Brazil,
2.0 x 2.1 x 1.5 cm,
Mark Mauthner photo,
Alex Schauss Collection.



Mineral Hill, Elwyn, Pa. Field Trip Report

Delaware Mineralogical Society and
Friends of Mineralogy - Pa. Chapter
Sunday, Nov. 22, 2014
by Tom Pankratz

On Sunday, November 22, about 20 members of the Delaware Mineralogical Society and The Pennsylvania Friends of Mineralogy met and collected minerals at a construction site on Mineral Hill, near Elwyn, Pa.

Mary Ann Levan learned of this site from a friend who stopped to collect garnets (there aren't any) and set about trying to get mineralogical and geologic information about it. She found it surprisingly hard to find any hard information, especially for a place that so many people recognize by name. Through contact with Sandy Schenck (Delaware Geological Survey), Hal Bosbyshell (West Chester University) and Roger Mitchell (Delaware County Institute of Science, Media Pa), she learned that the Institute "has the original plates" from the book by Samuel Gordon (The Mineralogy of Pennsylvania: Academy of Natural Sciences of Philadelphia Special Publication no. 1), and was able to purchase a copy. This book is organized by county and township. Within a township, it lists farms, mines and quarries and the minerals found there.

Mineral Hill is in Middletown Township, Delaware County. A few relevant entries include: Mineral Hill: exposures along the road from Media to Blackhorse; just west of Ridley Creek; about a mile northeast of Elwyn. Wissahickon gneiss: sillimanite, cyanite, staurolite.

Crump's Quarry, on the grounds of the Pennsylvania Training School for the Feeble-Minded. Pyroxenite and metaperidotite: enstatite, actinolite, tremolite, hornblende, serpentine, talc, chlorite, vermiculite, deweylite, chromite, magnesite, ferruginous quartz.

Small abandoned feldspar quarry and exposures about 1/8 mile north of Crump's quarry. Pegmatite and metaperidotite. Orthoclase, microcline- amazonstone, albite- moonstone, oligoclase- sunstone, almandite, vermiculite, columbite.

Additionally, Bill Stephens found: -- The Mineral Hill (Crump Serpentine mine at Mineral Hill) was well known for albite feldspar and oligoclase feldspar, semiprecious gem varieties known as moonstone and sunstone, respectively. This is sodic plagioclase commonly found in association with recrystallized commonly serpentinized gabbroic rocks and dunites.

-- A mine north of Mineral Hill Crump's serpentine quarry was worked for feldspar including gemstones. Some research into the old maps, maybe the second Pennsylvania Geological Survey reports, may reveal its exact location, but suffice it to say the rocks, however weathered, were consistent with the ultramafic suite mapped across the Mineral Hill area and that includes Crump's Serpentine Quarry and the old feldspar mine.

The Institute's museum has a collection of local minerals, as well as other natural history objects. Some of the birds were collected by one of North America's foremost ornithologists (John Cassin, 1813-1869). This area was very active scientifically in the early history of the United States. Today, you can go to the Delaware County Institute of Science to see a great collection of minerals from the Mineral Hill area, and also to attend a monthly science talk.

The construction project covers about 30 acres of the upper part of Mineral Hill on the north side of US

Route 1 (Baltimore Pike) about a mile west of Media, Pa. The construction project is primarily in the excavation phase though some roads, retaining walls and condominiums have been completed. Permission was obtained to visit and collect at the site. Natural Lands Trust recently acquired the lower part of Mineral Hill towards Ridley Creek and created a development plan which lays out trails and public use amenities.

The site contains an incredible mix of soil and rock types. The two main rock types are serpentine and gneiss, with some pegmatite veins. The serpentine and gneiss appear to be interlayered, both vertically and horizontally. It appears the serpentine was intruded by a granitic magma before the Taconic Orogeny, and subducted and metamorphosed during the orogeny. Later erosion and uplift created fractures allowing pegmatite formation in veins. Further erosion brought it to the surface where today we have weathering gradation (hydration/oxidation) from surface mud, through saprolite, to hard rock. Finally construction excavation has mixed and scattered everything and covered rocks with mud. Thankfully, many of the rocks on mounds and along the silt fence have been washed fairly clean by rains. Many of the exposed rocks, both gneisses and schists, are so weathered as to be easily broken by hand. Many of the minerals found were weathered beyond suitability for collection and display.

There is a pile of 3'-5' boulders that were excavated by blasting, though the construction company crushed much of the rock creating a pile of 4-5" stones and another of 1" gravel. Most of this rock is gneiss. The upper half of the site appears to be a mix of serpentines and gneiss. There are many chlorite schist veins on the lower half creating green swaths where exposed by grading. Though hilly, most of the site is graded smooth. But there are a lot of different kinds of rocks up to 3' on several hillsides, mounds and particularly along an erosion fence on the east and south sides. I've never seen such a mix of different rock colors, compositions, textures in any one place before. Many of the rocks had sections of slickenside.

This site is clearly a rock collectors delight. Not so much so for mineral collectors.

Here's a summary of the minerals and rocks that were collected:

Clinocllore: The abundant chlorite schist seems to be mainly clinocllore, though perhaps some talc is mixed in. Virtually all of the chlorite schist is deep green, fine and easily crumbled by hand, even that still unexcavated. One chlorite schist vein was found that contained clinocllore 'books' up to 1/2" thick with faces to 2". This clinocllore is a stunning metallic green.

Vermiculite: Occasional books of metallic-coppery vermiculite were found. The largest was about 1".

Anthophyllite: Three types of anthophyllite were found:

1. Light green and pseudomorphing into talc
2. White, asbestiform.
3. Red, possibly due to iron.

Actinolite: Many actinolite specimens were found. Some were deep green, others apple green and some weathered clear/white. Occasionally green and clear/white in the same specimen. Most of the crystals are 1/8 to 3/8", occasionally to 1".

Magnesite: veins of white magnesite were abundant. A few clumps were also found.

Deweylite: One interesting piece of deweylite slickenside. Much more is probably there.

Quartz: Four different forms of quartz were found, though three all are likely the same having formed from excess silica produced by the weathering of the serpentine:

1. The most abundant are rusty-red (hematite?) rocks and boulders that range from finger-sized to 3' boulders, with highly irregular (rough) surfaces. When broken the cores appears to be jasper. They are particularly abundant along the erosion fence. I broke a fist-sized piece from a boulder, washed it with a pressure washer, and treated it with Iron Out. Viewed under a microscope the surface was completely coated with small quartz crystals.

2. A few fist-sized pieces have a white and green coating. They have the same rough texture though the quartz crystals are more weathered.

Feldspar: Three types of feldspar were found:

1. White, massive albite in pegmatite veins and gneiss
2. Pink, perthitic, microcline. Some near-perfect cleavage rhombs (one nearly 5 lbs) were found in the creek just below the construction site.
3. Amazonite was also found in the creek just below the site, some mixed with microcline perthite, and some with albite.
4. Bill Stephens collected a large block of feldspar which contains megacrysts over 2" in diameter that may be both moonstone and perhaps sunstone, but the final determination as to whether they are gem grade or not remains to be proven. The block came from a spoil pile, but an in-place exposure was found on the west side of the site. A gentleman from another club worked this location intensely and recovered some nice feldspar megacrysts.

Granitic gneiss: There were a lot of interesting gneiss rocks that predominated in the lighter (white) feldspar and quartz veins with small, distinct layers of black biotite (heavily collected by some). There is also a lot of highly weathered gneiss with red bands, presumably an iron mineral. And also the piles of gneiss that was blasted and crushed.

Chromite: There are a few red rocks along the silt fence (with a black weathered exterior) that contained small octahedral crystals (up to 1mm) of chromite. Even when crushed to dust, the red rock remains weakly attracted to a rare earth magnet. There is a vein of this rock on the shoulder across the street and slightly uphill from the site.

Rocks and minerals from this site will be shown in the DMS Club Field Trip display case at the March 2015 Show.



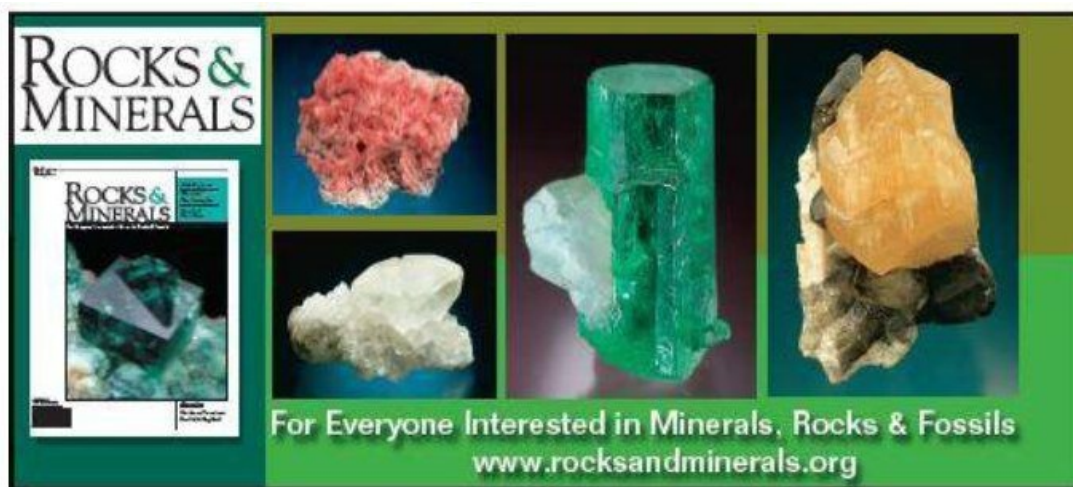
Calcite (DT, fluorescent) on Fluorite
 Minerva #1 Mine, Cave-in-Rock District,
 Hardin Co., Illinois, USA
 Small Cabinet, 6 x 5.7 x 2.7 cm
 Courtesy of Dr. Rob Lavinsky,
 The Arkenstone

FM AFFILIATES



The Friends of Mineralogy is a long-time affiliate of The Mineralogical Record magazine. The magazine was founded in 1970 by John White, who was at that time a curator in the Mineral Sciences Department of the Smithsonian Institution. With the initial help of a financial backer, Arthur Montgomery, White succeeded in launching and bootstrapping the fledgling publication to the point where it was marginally self-sustaining. After seven years as editor and publisher, White stepped aside for a new Editor, Wendell Wilson.

Since then the Mineralogical Record has grown steadily in size, quality and prominence, thanks to the contributions of over 700 authors, photographers, artists, advertisers and donors. It has become a collective labor of love on the part of the entire mineralogical community worldwide. It is the only journal to have a new mineral species named in its honor (minrecordite), and it is the only journal to have received the Carnegie Mineralogical Award. Subscriptions, back issues, books and a variety of free databases are available online at www.MineralogicalRecord.com.



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