

FRIENDS OF MINERALOGY NEWSLETTER - January, 1987 No. 3

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Eighth FM-TGMS Symposium Quartz and Associated Minerals

Since the mid-1970's Friend of Mineralogy, in conjunction with the Mineralogical Society of America, has been sponsoring a symposium at the Tucson Gem and Mineral Show. The symposium provides a forum for the enjoyable exchange of information on localities and mineral species. In a sense, the symposium epitomizes what FM is all about - a serious, though not necessarily professional, interest in mineralogy. The MSA is no longer associated with the symposium but the symposium is continuing under the joint sponsorship of FM and the Tucson Gem and Mineral Society.

The Eighth FM-TGMS Symposium, on quartz and associated minerals will be held on February 15, 1987 in conjunction with the Tucson Gem and Mineral Show. The following speakers are preparing a series of interesting talks: John Koivula, Inclusions in quartz; Mark Jacobson, Smokey quartz at Dinky Dome, California; Tom Rosemeyer, Crystallized Quartz and Associated Minerals, San Juan Mountains Colorado; Alvin Cohen, In Throes of Death Stately Cairngorm Brings Forth Bacchannalian Amethyst; Bob Jackson, Scepter Amethyst at Denny Mountain, Washington; Dan Kile, Amethyst - Thunder Bay, Ontario; and Jeff Scovil, Amethyst Quartz Scepters from the Fat Jack Mine, Crown King, Arizona.

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What is FM?

Friends of Mineralogy (FM) is an organization devoted to the advancement of serious interest in minerals and related activities. It consists of professional mineralogists, curators of public and private collections, and mineral collectors. The bond uniting these people is a common love of mineral specimens and a desire to see appreciation and knowledge of minerals spread. FM was founded in 1970 in Tucson, contemporaneously with the founding of the Mineralogical Record. FM has had a close and continuing association with the Record, and one of FM's important activities has been continued support of the magazine as a vehicle for the preservation and dissemination of mineralogical information. Many of the original members of FM were concentrated in Pennsylvania, and this tradition has continued in the form of a strong, active Pennsylvania Chapter of Friends of Mineralogy.

What are the goals of FM?

The goals of FM as stated in its Articles of Incorporation are:

1. To preserve and protect mineral specimens for teaching and study;
2. To promote the conservation of valuable specimen localities and mining deposits;
3. To encourage the collection and acquisition of minerals for their research and educational value;
4. To advance programs of mineral study and educational activity of amateur mineral organizations;
5. To promote the dissemination of information about minerals, mineral localities, collections, and mineralogical investigations.

Any member may receive copies of the FM Articles of Incorporation and By-laws upon request to the secretary. For some additional information about FM, see the Mineralogical Record, v.1, no.1, p.4 (1970); v.2, no.2, p.91-95 (1971); v.9, no.4, p.267 (1978); and v.10, no.4, p.249 (1979).

How does FM work?

FM is a nationwide (and international) organization, run by a board of 18 directors. The directors are elected (6 at a time,

to 3-year terms) by ballot of the membership, conducted by mail in December or January. An annual meeting of the directors is held in February in Tucson, Arizona, at which time the directors elect officers (president, vice-president, secretary, treasurer) for the coming year. FM is a non-profit, educational and scientific corporation, incorporated in the state of California. FM currently has about 600-650 members, about half of whom belong to one of the six presently existing local chapters: Colorado, Great Basin, Pacific Northwest, Pennsylvania, Southeastern Michigan, and Southern California. Membership in a local chapter is an option, and members are encouraged to form new local chapters wherever 10 or more interested members live in a given area. Guidelines for "organization of chapters" may be obtained from the FM secretary. An annual FM membership meeting is held in Tucson during the Tucson Gem and Mineral Show each February. Communication with members throughout the year is accomplished by an FM newsletter, published as needed, and occasional FM columns appearing in the Mineralogical Record.

What are the benefits of FM membership?
How can I join?

FM members include in their ranks some of the most eminent mineralogists and museum curators in the world, but also scores of collectors who claim nothing more than a love of minerals. FM activities are publicized in the Mineralogical Record, and contributions to this publication from individuals are solicited. FM membership brings current news and information about projects and trips and the chance to participate in some of the most exciting activities in mineral collecting, curating, research, and education. Dues for membership are \$5 per year, to be sent to the national Treasurer. A short questionnaire allows FM to put into contact people with similar interests. Membership in a local chapter affords increased opportunities for interaction and participation in FM projects.

FM is continually open to new ideas and suggestions, which it will distribute to all its members and chapters, thus allowing good suggestions to reach many interested people. Qualification for membership is active interest in minerals, a desire to learn more about them and share this know-

ledge, and support of the goals stated above. FM is only as active as its members make it. The key to the success of FM will be individual enthusiasm, channeled into productive areas, and the synergism that results from the close association of people with common goals.

FINANCIAL STATEMENT

The balance in our checking account is \$3,345.17 as of 10/7/86, with an average interest rate on the account of 5.25%. In addition, we have a Certificate of Deposit for \$4,000.00 purchased in January, 1986 for 365 days at a rate of 8.0%, for an annual yield of 8.45%.

Sale of the M.R. Index through October 1 has totalled 165 copies for the year, with an income for FM of \$2,062.50. The remainder of our income is from individual dues, at the rate of \$7.00 for unaffiliated members and \$3.00 for members affiliated with local FM Chapters. A detailed accounting of income and expenses will be presented at the annual meeting in February.

Albert L. Kidwell
Treasurer

Pacific Northwest Chapter

Mike Groben reports that the recent 1986 Symposium was a total success. Miguel Romero and Bill Panczer each gave two lectures on famous Mexican Mineral localities. Bart Cannon gave a talk on x-ray mineral identification which was extremely well done and received much interest from the group. There was serious thought and discussion of developing a symposium in Spokane, WA. This would be coordinated by the chapter but would be a totally separate function. It is hoped that this symposium would attract more collectors and interested mineralogists, geologists etc. from the Idaho/Montana area.

Great Basin Chapter

The Great Basin Chapter announces a symposium "Geology and Mineralogy of the Great Basin" in conjunction with the Clark County Gem Collectors Inc. May 16-17, 1987 in the Triple Crown Ballroom of the Union Plaza Hotel & Casino at 1 Main St, Las Vegas, Nevada. It will consist of lectures, and a mineral show with 21 dealers and approx 100 exhibits. For further info contact:

Walt Lombardo
4728 Elm Ave.
Las Vegas, NV 89110
(702) 453-5718

Colorado Chapter

Pete Modreski reports the following;

A second printing of "Colorado Pegmatites" is now available. It is abstracts, short papers, and field trip guides from the Colorado Pegmatite Symposium in Denver, CO. from May, 1986. It is \$15 (postpaid) from Friends of Mineralogy, Geology Dep't., Denver Museum of Natural History, City Park, Denver, CO 80205.

Pete also asks that you all be notified that he will report on the FM locality index project at the annual FM meeting in Tucson. This will be followed by a discussion with all interested persons on exactly how the project will proceed.

And finally, the Denver chapter is planning a second symposium to be held in the summer of 1988; the topic to be "Mineralogy of Gold and Silver Deposits" (with special emphasis on Colorado).

NEW MEXICO MINERAL SYMPOSIUM

Although not an FM-sponsored function, the 7th Annual New Mexico Mineral Symposium was attended by a number of FM members on November 8 & 9. The meeting was very successful in it's stated objective of "bringing together for an exchange of ideas both professionals and amateurs interested in mineralogy". A total of 13 papers were presented on Saturday and Sunday morning, principally on mineralogical subjects relating to New Mexico, Colorado, Utah, and Arizona.

Saturday night there was a banquet and spirited auction of donated mineral specimens for the benefit of the New Mexico Mineralogical Association. This was followed by the keynote address, "Pegmatite Phosphates and Arsenates" by Vandall T. King.

Sunday afternoon the meeting was closed with the annual silent auction, which provided a chance for members of the local student geology club and also interested visitors to dispose of their duplicate mineral specimens. It also gave many of us a chance to obtain quality mineral specimens at very reasonable prices. Naturally, there was also "sanctioned tailgating" Friday and Saturday nights at the El Camino Motel where eight dealers displayed their wares and where fun, fellowship, and science prevailed well into the evening.

This is an annual event in early November and can be combined with productive mineral collecting at New Mexico localities using field trip guides furnished at the meeting.

Al Kidwell

In Memorium

Ted Hurr of Denver, Colorado passed away on Oct. 16, 1986. Ted was a fine and knowledgeable mineral collector, father, husband, and a good friend to all who knew him. We will all miss him.

The following report is from Kay Robertson.

Our Symposium yesterday was one of the best ever held. The subject matter was "The Transverse Ranges", which are the mountains running East-West from Santa Barbara to East of San Bernardino. Our new member, Bruce Carter, Chairman of the Dept. of Earth Science at Pasadena City College, gave a fascinating overview of the geology. Two non-members spoke about the important pure limestone mines at the Eastern end of the ranges, and the Pacoima Canyon pegmatite (with a display of an allanite xl almost a foot long!). Our member Fred de Vito showed a very exhaustive series of slides of locations and the minerals from the Santa Monica Mountains; as an indefatigable "scourer of localities" and superb mineralogist, he surprised many of us with the wide variety of minerals that he has discovered! As the locations on these ranges are so many, we hope to continue next year on the same subject. It is very close to home, therefore of particular interest to the local collectors. Please note that Bill Moeller gave the talk on the Pacoima Canyon pegmatite, and it was a good one. The Symposium was organized by Jessie Hardman who did a superb job!

Mrs. Kay Robertson
SC Chapter Treasurer
and Membership Chairman

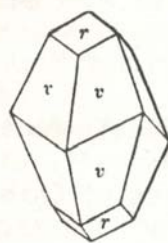


Fig. 136. Calcite.

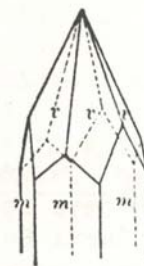


Fig. 137. Calcite.

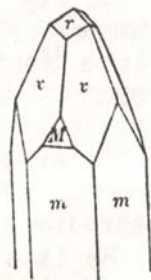


Fig. 138. Calcite.

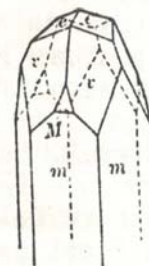


Fig. 139. Calcite.

PENNSYLVANIA CHAPTER

Laphamite, a New Mineral for Pennsylvania

John Barnes, of the Pennsylvania Geological Survey, reports the publication of an article on "Laphamite, an Arsenic Selenide Analogue of Orpiment, from Burning Anthracite Deposits in Pennsylvania," by Pete J. Dunn, Donald R. Peacor, Alan J. Criddle, and Robert W. Finkelman, in the British Mineralogical Magazine (Vol. 50, pp. 279-282), for June, 1986.

Laphamite, ideally $AS_2(Se,S)_3$, is named for the late Davis M. Lapham, formerly Chief Mineralogist of the Pennsylvania Geological Survey, who helped initiate the study of the mineralogy of these burning coal dumps. The laphamite specimen, discovered at the Burnside, Northumberland County, dump; by Wayne Downey, was found as a surface encrustation around a single vent from which hot gases were being emitted. The red, monoclinic crystals of laphamite are associated with octahedral arsenolite, granular orpiment, and black platy crystals which give the X-ray powder pattern of NH_4AlF_4 .

QUARTZ

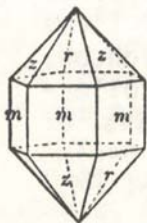


Fig. 248.

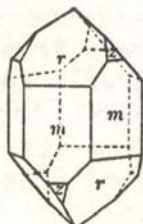


Fig. 249.

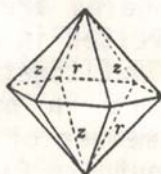


Fig. 250.

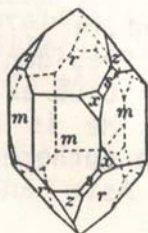


Fig. 251. Right-handed Crystal.

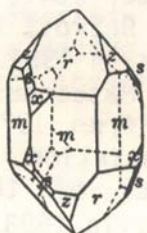


Fig. 252. Left-handed Crystal.

1987 Nominees for Members of the FM Board of Directors

Peter K.M. Megaw is currently finishing a PhD in Economic Geology with a minor in Mineralogy at the University of Arizona, Tucson. His PhD research area is the Santa Eulalia District of Chihuahua, Mexico; a world class ore deposit and mineral specimen locality. He received BA ('76) and MA ('79) in Geology from University of Texas at Austin. He has seven years experience in precious metals exploration in the Western U.S. and Mexico. Pete was President of Tucson Gem and Mineral Society in 1984 and was FM's first student paper awardee in 1984 for "Mineralogy" of the San Antonio Mine, Santa Eulalia, Chihuahua, Mexico. He is a member of the Geology Society of America, the Mineralogical Society of America and the Arizona Geological Society.

Walter S. Lombardo (4728 Elm Avenue, Las Vegas, NV 89110) is a geologist with a degree from the University of Rochester. He has been a member of the Southern California Chapter for 6 years. Walt organized and is President of the Great Basin Chapter. He is also a member of the Clark County Gem Collectors, and served as show chairman for 4 years. After having worked for a mining company and the University of Nevada's Desert Research Institute, Walt now owns a mineral business and does consulting work for mineral exploration. He has also taught classes on mineral-related topics, and lectured at mineral symposia.

Arlene A. Handley (800 NW 72nd St., Vancouver, WA 98665) has been a mineral collector for the past 38 years, collecting minerals all over the United States and Baja. She is the former Secretary of the Tacoma Agate Club, past President of the Fort Vancouver Gem and Mineral Club and has served five years as the coordinator of the annual Pacific Northwest FM Symposium. She has owned and operated Handley Rock and Jewelry Supply for the past 17 years, along with raising a family, whom all work with her in her shop.

Raymond Lasmanis (2711 Morse Merryman Rd., Olympia, WA 98501) is a graduate of the Missouri School of Mines and Metallurgy. He is a geologist with over twenty years of experience in the area of exploration geology both in the USA and in Canada. At the present time, Ray is the State Geologist for the State of Washington. He has been an active member of the FM since 1970, director, and is the current President. Other interests besides mineral collecting include writing, flying and high level nuclear waste issues.

Kay Robertson (10334 Ilona Ave., Los Angeles, CA) was born in Venice Italy of German parents. She is fluent in four languages. In 1939 she immigrated to the United States and settled in the Los Angeles area where she still lives today and runs an antique Art Gallery. Interested in minerals from childhood, Kay began serious collecting in 1950 and has put together a well known collection. Her collection is particularly strong in historical localities of central Europe and Germany. She has been a member of FM from its very beginning and is currently the Treasurer of the Southern California Chapter of FM.

Philip Scalisi (23 Hazel Court, Braintree, MA 02184) is currently a professor of mathematics and computer science at Bridgewater State College. He has been collecting minerals for 35 years. He won the Detroit Challenge Cup in 1979 and both the McDole Trophy and Lindstrom Trophy in 1981. He's been President of the Boston Mineral Club and the Southeastern Massachusetts Mineral Club and chairman of the Greater Boston Mineral Show from 1974 to 1979. He is a founder of the Harvard Mineralogica Museum Association. He has also authored a book entitled, "Classic Mineral Localities of the World: Asia and Australia", published by Van Nostrand, New York, in 1983.

1987 Dues Statement

Dues for 1987 membership in FM are \$7.00 and may be sent to the FM Treasurer:

Make checks payable to Friends of Mineralogy, Inc.

Dues payments should be made by March 1 1987. If you wish, payment for dues may be enclosed with the FM Ballot for election of directors and sent to the secretary, Don Zowader, 97 Lamington Rd. Somerville, NJ 08876.

If you belong to one of the 6 FM Regional Chapters, please submit your dues payment to the treasurer of that chapter and Not to the FM National Treasurer. Dues for the chapter members may vary, but your single payment to the chapter will cover both the chapter and the national dues.

If you are paying your dues to the FM National Treasurer or Secretary, please give us the following information:

Name _____ Phone _____

Address _____

City, State and Zip _____

Please detach along this line

1987 BALLOT FOR ELECTION OF FM DIRECTORS

Six directors will be elected; please vote with a check mark or X next to the names of the candidates. Return the ballots to the FM secretary, Don Zowader, 97 Lamington Rd., Somerville, NJ 08876 by February 4, 1987. The results will be announced at the annual FM meeting in Tucson on February 10, 1987. The order of names on the ballot was determined by random selection. Please suggest any other candidates by write-in on this ballot.

X Peter Megaw

X Kay Robertson

X Walter Lombardo

X Ray Lasmanis

X Arlene Handley

X Philip Scalisi

DIRECTORS AND OFFICERS FOR 1986

PRESIDENT: Raymond Lasmanis
Division of Geology
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Jessie Hardman
Raymond Lasmanis

Kay Robertson
Donald Schmerling
Henry Truebe

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10334 Ilona Avenue, Los Angeles, CA 90064
1780 Prescott Road, York, PA 17403
2022 E. Mabel, Tucson, AZ 85719

Until February 1988

Russell Boggs
Gene Foord
Mike Groven
Robert Jones
Betty Tlush
Marcelle Weber

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14193 W. 1st Drive, Golden, CO 80401
1590 Olive Barber Road, Coos Bay, OR 97420
3520 North Rose Circle Drive, Scottsdale, AZ 85251
1202 Perion Drive, Belen, NM 87002
1172 West Lake Avenue, Guilford, CT 06437

Until February 1989

Dee Belsher
Marie Huizing
Tony Kampf
Albert Kidwell
Peter Modreski
Don Zowader

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Pacific Northwest Chris Check, P.O. Box 3222, Kent, WA 98031
Pennsylvania George Buchanan, 80 Beltz Road R.D., Telford, PA 18969
Southeastern Michigan Kathleen Alcorn, 1691 Oak Street, Birmingham, MI 48809
Southern California Jessie Hardman, 4759 Blackthorne Ave., Long Beach, CA 90808

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The Mineralogical Record, Tucson, Arizona

Mineralogical Society of American Liaison:
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