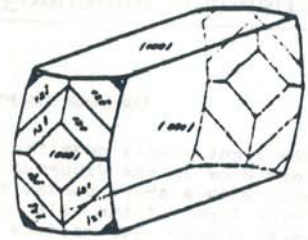


# FM friends of mineralogy

affiliated with the mineralogical record

Anhydrit

Fig. 20.



FM Newsletter

OCTOBER / NOVEMBER / DECEMBER ■ 1990

## NEWS LETTER DATA LOST IN THE MAIL

Please excuse the make-shift appearance of this issue of the Newsletter. The materials that were sent to the printer were lost in the mail and so the material has been put together as quickly and as accurately as possible so it will be out before our annual meeting at Tucson in February. You will really appreciate Carolyn Jones' contribution after enduring this.

## PRESIDENTS MESSAGE

For those of you planning to attend the Tucson Gem and Mineral Show in February, you will not want to miss the symposium on Azurite and other Copper Carbonates, sponsored by Friends of Mineralogy, the Tucson Gem and Mineral Society and the Mineralogical Society of America. This outstanding program was put together and will be conducted by Dr. Karen Wenrich. The symposium will be held on Saturday morning, February 16th from 10:15 to 1:00.

The last few years these symposia have been on the subject of the current theme mineral of the show. They have generally been well-attended, however, we are under no obligation to continue this policy. If you have strong feelings on this subject, please send in your suggestions.

A project that I have personally been involved in this year involves 'recreational' or 'scientific' mineral collecting on public lands. There has been a general feeling that our access to these collecting areas is being threatened and that we need to be vigilant to protect our rights. The present situation is well summarized in a letter from Congressman Bill Archer, in answer to my questions about any national policy on the subject. "Basically, BLM considers rock and mineral collecting to be an acceptable recreational activity, as long as it is in no way connected to any commercial activity. However, different BLM regions may have their own regulations. Also, there are no set federal guidelines regarding rockhounding in National Forests. You will have to contact the BLM or National Forest regional offices in order to obtain any regulations pertaining to mineral collecting in particular areas."

We will continue to collect any information concerning new regulations or policies affecting non-commercial collecting on public lands.

I have recently made contact with a relatively new organization, The Western States Public Lands Coalition, P.O. Box 4345, Pueblo, CO 81003, organized to counter the overly active and reactive national environmental lobby which may threaten many public land uses, including our access to public lands for prospecting and mineral collecting. I will have a petition and additional information at Tucson for those who feel strongly about this subject.

We will continue with this watch-dog approach and will issue any information we receive on actions or regulations affecting non-commercial mineral collecting on public lands during the coming year. We will also appreciate the input of our members.

Al Kidwell

## ANNUAL MEETING OF FM MEMBERS

The 21st Annual Meeting of Friends of Mineralogy will be held at 5:30 PM on Saturday February 16th in a room to be announced in the Tucson Show Program. Activities of the past year and actions taken by the Board of Directors will be presented. We are counting on each chapter having a representative present a report of the activities of their chapter.

## The 12th Annual Mineralogical Symposium

The 12th annual Mineralogical Symposium sponsored by FM, the Tucson Gem and Mineral Society and the Mineralogical Society of America will be held on Saturday morning, February 16, 1991 in conjunction with the Tucson Gem and Mineral Society Show. The topic is: Azurite and Other Copper Carbonates. The symposium chairperson, Dr. Karen J. Wenrich will give introductory remarks followed by: Azurite and malachite: chemically and structurally related minerals, Dr. Paul H. Ribbe and Dr. Susan C. Eriksson; Azurite and malachite from the Morenci and Metcalf mines, Greenlee County, Arizona, Robert M. North; Azurite and other copper carbonates in northern Arizona solution-collapse breccia pipes, Dr. Karen J. Wenrich; Azurite roses--A Comparison of their morphologies at Bisbee, Arizona and Grant County, New Mexico, Richard W. Graeme; New Mexico azurite Ramon S. DeMark; Habits and haunts of azurite microcrystals, Da Behnke.

## PENNSYLVANIA CHAPTER

The Pennsylvania Chapter had their annual Swap and Sell on September 22, 1990 at the pavilion in Coopers-Smith Park in West Chester, Pennsylvania.

Copies of the 1990 Spring Symposium are available by mail for \$2.00 from: Juliet C. Reed, 336 Rockland Road, Wayne, PA 19087. This guide features the history of the Pickering Creek Graphite mines, Chester County, Pennsylvania and a review of the geology of the Honeybrook Upland.

William (Bill) Yocom was given a Life Membership Award by the chapter at the banquet concluding the Spring Symposium. Bill has been active in Pennsylvania Mineral Activities including Curator of Mineral Collections at West Chester State University, President of the Pennsylvania Mineral Society, Founder and past-president of West Chester County Rockhounds, and is on the Board of Directors of the Friends of Mineralogy Pennsylvania Chapter.

## PACIFIC NORTHWEST CHAPTER

In August the chapter sponsored a combination collecting and clean up trip in the Okanogan National Forest. Trash was picked up at Cutthroat Creek, Silver Star View Point, the big Switch-back below Early Winter Spires, Washington Pass, Blue Lake Trailhead, and the Rainy Pass area. After a half day of trash collecting the group collected the talus slopes and cuts along highway 20 from Washington Pass to Cutthroat Creek where minerals occur in the arfvedsonite granite. Some nice specimens were collected.

On September 6th the 16th Annual Symposium was held. Speakers and topic included: "Cobalt Minerals from Shaba", Gilbert Gauthier, "Gold", Wayne Leicht, "Copper Minerals of the World", Bob Jones, and "Lead Minerals", Ray Lasmanis.

The special Washington Issue of Rocks and Minerals, sponsored by the Pacific Northwest Chapter will be out in 1991. Look for it.

## SOUTHERN CALIFORNIA CHAPTER

The Southern California Chapter of FM had its annual meeting at the Mineral Society of Southern California Show in Pasadena on November 25, 1990. They sponsored a symposium at the show with five speakers lecturing on the topic: Tips and Techniques for the Practical Mineral Collector.

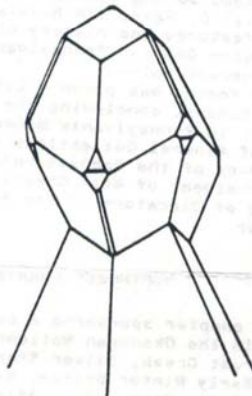
INDIANA CHAPTER

Twenty-eight people made the chapter's field trip to the Doe Run Lead Mine in the Viburnum area of Missouri. The trip underground, with a short period for collecting, and through the mill was high light of the trip. Also visited was the Flat River Mineral Museum (see article by Al Kidwell, Mineral News, v. 6, November 1990), Elephant Rocks State Park, the Potosi Area and the dumps of the iron mines at Pilot knob.

Membership in this active group stands at 53 in November 1990. They meet at the Indiana State Museum, 202 North Alabama Street, Indianapolis, Indiana.

CHARLES MILTON, 4/1890 to 10/199

Although Charles Milton retired from the U.S. Geological Survey in 1965 at the age of 69, he remained active in mineralogical work until his death. The son of Polish immigrants he arose from the ghettos of New York and Chicago to become a world renowned mineralogist. He is probably best known to collectors for his work on the minerals of the Green River Shale (Mineralogical Record, 1977, v. 8, 368-379). In recent years he had been active in the studying the minerals of Arkansas, particularly at Magnet Cove and Potash Sulphur Springs. He was an active participant of the Coon Creek Association which meets every Fall to study and collect Arkansas minerals. It was always a special treat to have him address the group and tell of a project he had or was working on. Usually it was presented as a story which held your interest through the talk. Although Charles did not collect minerals except for study, he always said he preferred collecting people. His many friends will surely miss him.



DUES ARE DUE AND MANY ARE OVERDUE

As all members should know by now, if you are a member of an FM Chapter, they collect your dues and send \$3.00 of it to the National Treasurer. This usually works pretty well. However, National Members not affiliated with a chapter are expected to send their dues directly to the National Treasurer, Dick Thomssen, P.O. Box 1656, Carson City, NV 89702. With no one prompting you it is very easy to forget whether you have paid your dues. FM policy is to drop members who are more than one year in arrears. The Treasurer is a busy person and does not have time to send out notices, so this may be the last issue of the Newsletter you will receive if your 1990 dues have not been paid. Although dues are still \$7.00 a year, many people just send in \$10.00 and we encourage this.

COMMENTS ON AL KIDWELL'S ARTICLE ON THE FUTURE OF COLLECTING ON PUBLIC LANDS

Specifically, I address the problem of damage to the surface of digging and mining activity. In general, the approach to this problem must be on the basis of climatic conditions at the site.

In the places where the rainfall is likely to erode further any openings made into the ground, eg, Appalachia and then only in certain areas of steeper terrain, then the operators should insure that sufficient terracing is installed to retard erosion and permit natural vegetation to re-seed and grow, or even to re-seed the area by a pound our tow of something like fast-growing rye grass. If the product of the mining is crushed or broken rock the problem may be non-existent and all that is required is some judicious leveling and a bit of soil scattered on the rocks to promote seed intrapment and rapid growth.

In this connection, the point must be made that often such ground disturbances promote rapid vegetation growth as is clearly evident by traveling along roads in such places as Arizona where flowers and plants grow on the dirt margins and not elsewhere. Also, in New England and in other places in the East, broken rocks in places like pegmatite quarries commonly provide foot holds for trees which grow in them at rates that are surprisingly fast, eg, as in the Gillette Quarry and many other openings. It does not take long for a quarry dump to be covered by brush and then by trees.

One may therefore argue that in certain circumstances disturbance of the ground is actually bennificial, providing the net result is not an eyesore or chemically contaminating.

The greatest danger, however, occurs in those sparsely-vegetated regions covered by chaparral. It takes forever for the damage to heal naturally, and considerable care must be taken to prevent rain erosion. I have in mind an area right behind my own house here in Pacific Beach where a bulldozer, at least 10-12 years ago, in attempting to create a fire-barrier, ran his blade straight down the hill through the local sediments. The first winter rain afterward gullied the cut, and even now, it remains unseeded and only becoming worse with each rainfall. Fortunately for rockhounds, most often nothing of interest occurs in such terrain, except for fossils, and the problem simply does not arise.

John Sinkankas  
San Diego, California

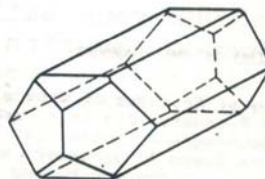
THE FM NEWSLETTER

From its title the purpose of our newsletter is quite obvious. However, news of FM can not be dispersed to our membership if it is not received by the National Secretary. So please, Chapter Presidents or Secretaries, forward these and any other news items to me. Many members of FM are not affiliated with any local chapter and this newsletter is their only contact with FM and their only way to keep up with FM activities and news.

Also welcome from all or any member of FM are your ideas, comments, suggestions and even criticisms of FM activities, policies and items in this newsletter. These can certainly create interest and liven up an otherwise possibly dull publication.

With the help of Carolyn Jones and Keith Abernathy in Denver, this newsletter has the appearance of being first-class. Lacking is vital FM information, news and activities to fill its pages. It is not the secretariat job to create items to fill it. It is YOURS to use to communicate with other FM members and share common interests.

Art Smith, Secretary



1991 NOMINATIONS FOR MEMBERS OF FM BOARD OF DIRECTORS

MIKE GROBEN (1590 Olive Barber Road, Coos Bay, OR 97420), is a Past President of FM and is currently a Director. He is a charter member of FM and is a Past President of the Pacific Northwest Chapter and Past Chairman of the Chapter's Symposium. Under Mike's leadership, the Mineralogical Record Index, Vol. 1-14, was compiled and published, and he was one of three members who indexed Vol. 15 through 20. He has been a mineral collector for 45 years. He works for Coos Head Timber Co. as Chief Forester.

ROBERT W. JONES, B.A.M.S. (3520 No. Rose Circle Dr., Scottsdale, AZ 85251) is a long time member of FM and currently a Director. He is an author and frequent contributor to popular mineral magazines. Bob was Teacher of the Year (Scottsdale) in 1987 and is a member of Phi Delta Kappa. He belongs to Tucson Gem and Mineral Society, Mineralogical Society of Arizona (life member), Scottsdale Gem and Mineral Society, Maricopa Lapidary Society and FOMS. Bob worked on the Mineralogical Record Index. Since his retirement, he has devoted his time to photography, speaking and writing.

BERNARD L. MUROWCHICK (2428 Hollingsworth Hill Ave., Lakeland, FL 33803) was employed as Geologist and Mineralogist with International Minerals and Chemical Corp. from 1950 to 1986 when he retired as Chief Mineralogist. He attended the University of Missouri, Colorado School of Mines, and received his SB, Physical Sciences (1948) and SM, Geochemistry, in 1949, from the University of Chicago. His affiliations include Mineralogical Society of America, Mineralogical Association of Canada, and Society of Economic Geologists. He has co-authored several papers related to phosphate mineralogy and borate mineralogy. He is currently a Consulting Mineralogist and owner of Mineral Concepts Co.

BETTY TLUSH (1202 Perion Dr., Belen, NM 87002) is a member of the Pennsylvania Chapter of FM. She has had an interest in minerals for over 25 years and is a co-owner of a mineral dealership. Betty has worked with the New Mexico Institute of Mining and Tech., and the New Mexico Bureau of Mines on the N.M. Mineral Symposium. She is a member of the Mineralogical Society of Pennsylvania, Albuquerque Gem and Mineral Society, has served as Secretary of FM and is a Director.

MARCELLE H. WEBER (1172 West Lake Ave., Guilford, CT 06437) has served as President of the New Haven (Conn.) Mineral Club (Life Member Award), and is a Past President of the Stamford (Conn.) Mineralogical Society. She is a charter member of FM, worked on the Mineralogical Record Index, served as Secretary, Vice-President and President. She currently writes the FM page for the Mineralogical Record. She is a member of FOMS, the Russell Society (UK), TGMS, and the Micro-mounters of New England, among others. She received a BS in Bus. Adm. from Indiana University in 1940.

KAREN J. WENRICH (63 S. Devinney St., Golden, CO 80401) attended three years of high school in Wiesbaden, Germany. From there, she attended The Pennsylvania State University where she received her PhD in geology in 1975. Since then she has worked for the U.S. Geological Survey in Denver, Colorado. She has been studying uranium and base metal deposits in solution-collapse breccia pipes in the Grand Canyon region of Arizona--the Grandview mine is such a pipe. She is author of over 110 U.S.G.S. and independent journal publications and abstracts. She organized and ran the 1990 and 1991 FM-MSA-TGMS mineral symposia in Tucson.

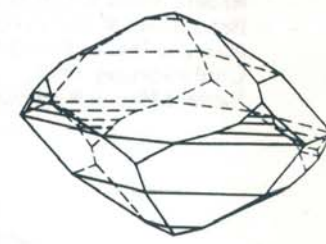
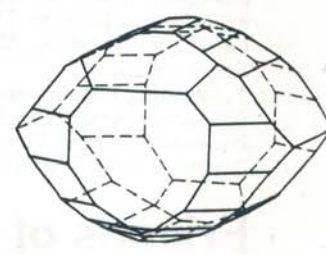
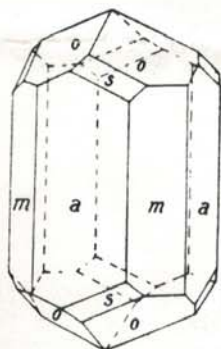
1990 BALLOT FOR ELECTION OF F.M DIRECTORS

Six Directors will be elected from the following highly qualified candidates. Please vote with an "X" next to the names of the Candidates of your choice. There is a space for write in votes and you are free to use it for another candidate of your choice.

Please return your ballots to the F.M. Secretary, Art Smith, 9118 Concho, Houston, TX 77036 before February 13, 1991. The results will be announced at the annual F.M. meeting in Tucson on Saturday, February 16, 1991. You may use a photo copy of this ballot.

VOTE FOR ONLY SIX DIRECTORS

- |  |  |
|--|--|
| <input type="checkbox"/> Mike Groben       | <input type="checkbox"/> Betty Tlush       |
| <input type="checkbox"/> Robert W. Jones   | <input type="checkbox"/> Marcelle H. Weber |
| <input type="checkbox"/> Bernard Murochick | <input type="checkbox"/> Karen J. Wenrich  |
| <input type="checkbox"/>                   | <input type="checkbox"/>                   |



# FM Newsletter

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## Friends of Mineralogy, Inc.

### 1990 Officers

Elected board meeting, Tucson, AZ, February 9, 1990.

President ■ Al Kidwell

14403 Carolcrest, Houston, TX 77079 (713) 497-1066

Vice President ■ Arlene Handley

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Secretary ■ Art Smith

9118 Concho, Houston, TX 77036 (713) 774-1689

Treasurer ■ Richard W. Thomssen

P.O. Box 1656, Carson City, NV 89702

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Gene Foord ■ 906 Cole St., Golden, CO 80401

Mike Groben ■ 1590 Olive Barber Rd., Coos Bay, OR 97420

Robert Jones ■ 3520 N. Rose Circle Dr., Scottsdale, AZ 85251

Betty Tlush ■ 1202 Perion Dr., Belen, NM 87002

Marcelle Weber ■ 1172 W. Lake Ave., Guilford, CT 06437

Until February 1992

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Jay Lininger ■ Blair Mtn. Rd., Rt. 2, Dillsburg, PA 17019

Peter J. Modreski ■ 8075 W. Fremont Dr., Littleton, CO 80123

Al Kidwell ■ 14403 Carolcrest, Houston, TX 77079

Anthony Kampf ■ 12923 Warren Ave., Los Angeles, CA 90066

Marie Huizing ■ 5341 Thrasher Dr., Cincinnati, OH 45247

Until February 1993

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Kay Robertson ■ 10334 Ilona Ave., Los Angeles, CA 90064

Dan Behnke ■ 2981 Lanwher Rd., Northbrook, IL 60062

Richard W. Thomssen ■ P.O. Box 1656, Carson City, NV 89702

Arlene Handley ■ 6160 Highway 99, Vancouver, WA 98665

Art Smith ■ 9118 Concho, Houston, TX 77036

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Great Basin ■ T. Daugharthy

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Indiana ■ R. Eddy

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Pacific Northwest ■ R.A. Harris

38646 Rtoschy Rd., Yacolt, WA 98675

Pennsylvania ■ A. Mogel

2503 Village Rd., Orwigsburg, PA 17961

Southeast Michigan ■ (In-Active)

Southern California ■ J. Bartsch

California State Mining and Mineral Museum

P.O. Box 1192, Mariposa, CA 95338

### Affiliations

American Federation of Mineralogical Societies

Liaison: D. Caudle ■ 1248 E. Prince, Tucson, AZ 87519

The Mineralogical Record ■ Tucson, AZ

Mineralogical Society of America

Liaison: Gene Foord ■ 906 Cole St., Golden, CO 80401

The Mineralogical Society of Australia

c/o CSIRO Division of Mineral Chemistry

P.O.B. 124, Port Melbourne, Victoria 3207, Australia

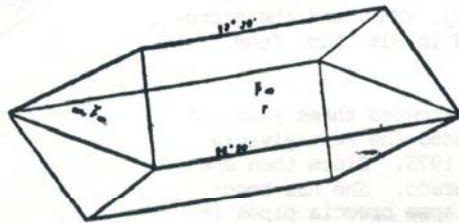


Fig. 30.

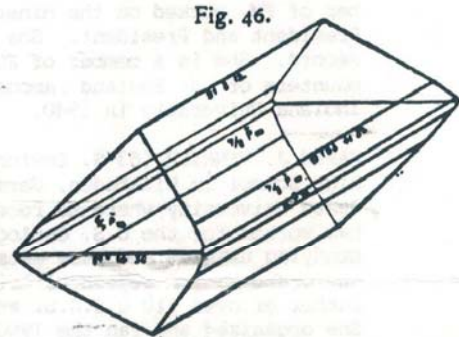


Fig. 46.



Art Smith ■ Secretary, FM  
9118 Concho ■ Houston, TX 77036

First Class Mail

