

FM friends of mineralogy

affiliated with the mineralogical record

FRIENDS OF MINERALOGY - MEMBERSHIP NEWSLETTER

1980 - No. 1 - January

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The main reason for sending out our newsletter--aside from the enclosed ballot for FM Directors--is to make sure you know about the annual FM meetings to be held in Tucson, Arizona this February. As in the past, the FM annual membership meeting will be held on Saturday afternoon, Feb. 9, in the Tucson Community Center (probably in the Maricopa-Mojave Room above the gem and mineral show, at about 4:00; please check at the show for the exact place and time). In addition to consideration of the annual award proposed herein (p. 4) the 1980 Directors and officers will be announced and introduced, and the status of various FM projects will be reported on.

A ballot for FM Directors (to elect 6, for 3-year terms) is enclosed; please return it to the FM Secretary as soon as possible--ballots will be counted Jan. 31. (Nominees are Carl Francis, Richard Gaines, Tony Kampf, Pete Modreski, Don Peacor, and Earl Pemberton)

One of the topics to be discussed at the annual meeting will be the plan for the FM Locality Register. Little has been done on the overall (U.S.-Canada-Mexico) locality index project this year, but the Colorado FM chapter has produced a complete (within the stated limits) register for the state of Colorado, which has been published in the Nov.-Dec. 1979 issue of the Mineralogical Record. This can serve as an example and starting point for what might be done for the rest of the country. One question that might be asked is, are the location descriptions as given in the Colorado Index adequate for the purpose, or should we include more specific descriptions of the location of each locality in the U.S. index? Our thanks go to Barbara Muntyan for heading this Colorado project and initiating the national one.

In case you are wondering, this is the first FM newsletter since June, 1979. Two newsletters were sent out in 1979; for 1980 we will continue to 'play it by ear'.

An FM column by Ed Eckel appears in the Nov.-Dec. Record; others by Mike Groben (mineral locality preservation) and Penrose Ambler (Pennsylvania Chapter activities) are 'in press' for 1980.

As you'll notice from the return address and elsewhere herein, the secretary (that's me) has moved to a new address in Colorado, where I'm now working for the U.S. Geological Survey. I'll enjoy associating with the many FM members and others interested in mineralogy in the Denver area. Please continue to send information for this newsletter or for FM columns in the Record to me at the new address.

Speaking of FM members, I'd like to thank (in advance) Earl Verbeek and Karen Wenrich-Verbeek for helping me assemble these newsletters!

- - Pete Modreski
FM Secretary 1/2/80

PACIFIC NORTHWEST CHAPTER SYMPOSIUM, SEPTEMBER 1979

by Mike Groben

The Pacific Northwest Chapter of Friends of Mineralogy held its 5th annual symposium, "Sulfides and Sulfosalts", at Bellevue, Wash. on September 28-30, 1979. This was the most successful symposium yet held by the Northwest Chapter in that attendance was greater than ever before and that, for the first time, the symposium generated enough funds to cover all costs.

Joseph Mandarino, Curator at the Royal Ontario Museum, gave the keynote speech. Colin Godwin of the University of British Columbia followed with a fine discussion on the formation of sulfide deposits. Les Zeihen, past consultant for the Anaconda Company, gave a lecture on the "Mineralogy of Butte". Joe Nagel, also from the Univ. of B.C., gave a most interesting talk on the "Minerals of Beaverdell, B.C.". Robert Cook, Assoc. Professor of Geology from Auburn University, gave an equally good talk on the "Sulfides and Sulfosalts from Bolivia and Chile". The meeting ended with a most interesting discussion on "Pyrite from the Spruce Claim, Washington" by Bob Jackson, a collector who has collected extensively at this local area.

There were numerous displays of exceptionally fine sulfide minerals available to examine during the 3-day symposium and the comments received from the viewers were so enthusiastic that a concerted effort will be made next year to have even more displays of extra fine specimens.

The Pacific Northwest Chapter intends to put forth more effort to continue to acquire the best speakers possible and to increase interest and attendance in future symposia. If you would like to be placed on the mailing list for next year's symposium at Bellevue, Wash. on Sept. 26-28, contact Mike Groben at 1590 Olive Barber Road, Coos Bay, OR 97420.

* * * * *

The Pacific Northwest Chapter has prepared a 32-page "Resource-Reference Booklet" relating to the states of Alaska, Idaho, Oregon, Washington, and British Columbia. It contains information about and a membership list (60) for the chapter, a list of mineral dealers

and a brief list of mineral localities in the northwest states, lists of Dana mineral localities, museums, libraries, agencies which are sources of geologic information, and a brief bibliography of mineral occurrences. This is the second edition of this booklet; it does not claim to be a complete or highly polished version, but a compendium like this would be a useful project for people in other areas to emulate.

* * * * *

NEW MEXICO MINERALS SYMPOSIUM, SEP. 1979

The New Mexico Minerals Symposium, held at the University of New Mexico campus in Albuquerque on Sep. 29-30, was a big success. About 130 people registered for the symposium and heard some 10 talks on Saturday. The subjects of the papers presented included pegmatites, uranium minerals, lead/zinc/vanadium/copper/rare-earth mineral deposits, and red beryl occurrences, all pertaining to the state of New Mexico. Micromounts and other specimens were available for viewing during breaks in the meeting. About 80 persons attended a field trip to the Blanchard Mine (Bingham, N.M.) galena-fluorite-barite deposit on Sunday; occasions on which general collectors have been permitted to visit this locality in recent years have been very rare.

The Symposium was co-sponsored by the Albuquerque Gem and Mineral Club, the UNM Geology Department, and area members of the Friends of Mineralogy (few though we may have been!). The philosophy behind the meeting was to solicit papers from local people who had made mineralogical studies of areas in the state, rather than to invite "name" speakers on general-interest topics. Registration fees provided \$260 to cover expenses of about \$205 (mostly for printing of abstracts, typing, postage, and refreshments), leaving about \$55 which will probably be donated to a geology scholarship fund at UNM. Abstracts of the talks were distributed to the registrants; copies of these (20 pages, including "Some highlights in the history of New Mexico minerals" by Stuart A. Northrop and a description of minerals found at the Blanchard Mine) may be obtained by sending \$1.50 (to cover postage and xeroxing) to Ray DeMark, 9012 Hilton NE, Albuquerque, N.M. 87111.

COLORADO FM CHAPTER

by Eugene E. Foord

Elections were held at the November meeting of the Colorado Chapter with the following officers elected:

president - Eugene Foord
 vice-president - Joseph Taggart
 secretary - Cynthia Cooper
 treasurer - Roger Bennett
 Director - Peter J. Modreski
 Director - Jack A. Murphy

Total membership of the chapter is now in excess of 50. Meetings are scheduled to be held every two months with a field trip being substituted for one of the summer meetings. The meetings will continue to be held at the Denver Museum of Natural History.

One of the chapter's principal projects, the revision and update of U.S.G.S. Bulletin 1114 by Edwin B. Eckel titled "Minerals of Colorado, a 100-year record" continues. The updated period will cover 1958-1978. Many of the chapter members and non-members as well have contributed data cards on mineral occurrences in Colorado. We hope to be able to compile the unpublished information as well as the published data on Colorado minerals. As it is presently set up, each of the members of the working committee on the update has an area for which he or she is responsible; e.g. U.S.G.S. Bulletins, Professional Papers, theses, etc. Several hundred entries have been processed.

All of the chapter members and Colorado residents who helped in making the 2nd Colorado Issue (Mineralogical Record) possible can be proud of their efforts in this major undertaking.

The FM Colorado Chapter is now a member of the Rocky Mountain Federation of Mineralogical Societies.

We look for a good 1980 as the chapter moves into its third year.

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The last FM newsletter said there would be a "symposium" on Colorado minerals in Denver in September, during the Denver Mineral Show. There wasn't; my apologies--a gap in communications. There were some lectures about minerals during the show; but a symposium, no.

---PJM

SOUTHEASTERN MICHIGAN FM CHAPTER

by Nelle H. Wing, Secretary

A few news items about the SEM Chapter:

6/19/79 - The chapter members met at the Sibley Quarry near Trenton, Mich., hoping at least for some interesting specimens of clear gypsum with attached golden calcite. Detroit Edison, the operator of the quarry, had granted somewhat guarded and limited access to the collecting site where members found celestite, calcite, gypsum, sulphur, and fluorite. The presence of these minerals in this locale are to our knowledge presently unreported in the literature.

10/11-13/79 - The Greater Detroit Gem and Mineral Show was held in Detroit. Although it was an unusually fine show with many "spectaculars", the case presented in the name of our Southeastern Michigan FM Chapter was judged by some very knowledgeable, unbiased visitors to be one of outstanding quality. Max Werner, chapter member, planned and executed the exhibit. It consisted of a limited number of fine mineral specimens, each accompanied by an appropriate, enlarged, handcrafted crystal shape. These cherrywood crystal forms were perfection. Max well earned all the praise showered on the entry.

10/21/79 - SEM FM members joined Michigan Mineralogical Society members in an unexpected field trip to Rockwood, Mich. This trip was noteworthy as we had all but despaired of ever having access there again due to recent stringent regulations. We probably were there as a sort of trial. Some beautiful celestite was gathered, with great labor. Interesting doubly terminated quartz, calcite, and micro fluorites were found. This trip doubly enjoyed because almost all collecting areas seemed permanently closed to us.

summer 1979 - Marjorie Morris and Tom Morris, Jr., both chapter members (Tom is the program chairman) did extensive and very successful collecting on mine dumps in the Upper Peninsula of Michigan during a family vacation. The specimens they collected are being used to enrich the chapter's continuing project of identifying minerals currently unrecorded from Michigan localities.

The chapter has three new members, one from Windsor, Ontario and two from Michigan.

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PENNSYLVANIA FM CHAPTER

This past summer's newsletter from the Pennsylvania Chapter contained an article written by Jeri L. Jones and Jimell Goodman, a "Brief history and mineralogy of the Dillsburg Iron Mines, York County, Pennsylvania". The minerals andradite, calcite, chalcopryite, chlorite, datolite, fluorapatite, "limonite", hematite, magnetite, malachite, muscovite, orthoclase, pyrite, quartz, and sphalerite are considered as verified from this Cornwall-type iron deposit in the Pennsylvania Triassic. The authors have been doing field examination of this and other areas in preparation for a report on "The Mining History and Mineralogy of York County, Pennsylvania".

The newsletter also notes that Martin Anne was honored with a Life Membership in the Pennsylvania FM Chapter.

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M.S.A. AND A.F.M.S. REPRESENTATIVES

FM now has official liason representatives from the Mineralogical Society of America and the American Federation of Mineralogical Societies. Carl Francis (Harvard University) is the M.S.A. representative, and Dan Caudle (1248 E. Prince Rd., Tucson, AZ 85719) has been appointed the A.F.M.S. liason. Dan is a charter member of FM and the present A.F.M.S. treasurer. Carl and Dan will attend our Directors' and other meetings and will hopefully increase interchange between FM and these two organizations, professional and amateur.

* * * * *

PROPOSAL FOR FM AWARD

At the February, 1979 FM meeting it was suggested that an award or awards be instituted by FM for the author(s) of the best mineralogical article published each year by an "amateur". Carl Francis was appointed to look into this idea and make a recommendation at the 1980 meeting. Carl will suggest to the membership that FM move "That the Friends of Mineralogy annually award a prize to the amateur author(s) of the best article in each

volume of the Mineralogical Record beginning with Volume Ten".

The exact nature of the award (cash, medal, etc.) would be decided at the 1980 meeting if such an award is approved. One point to be decided, which was discussed somewhat at the 1979 meeting, is whether such an award should be restricted to the Mineralogical Record (because of its leading status among popular publications about minerals and its close historical connection with FM), or whether the amateur author of any mineralogical article, wherever published, should be eligible.

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LETTER TO FM

We received the following letter from Mrs. I.D. (Peg) Plank, president of the Delaware Mineralogical Society, Inc., P.O. Box 533, Newark, Delaware, 19711, in August, 1979:

"In the FM January newsletter the question was asked: 'are there any other suggestions for worthwhile things the FM can do?'. Here is a suggestion!

"Our club, the Delaware Mineralogical Society, is experiencing increasing difficulty getting into quarries for mineral collecting. The reason the owners give for refusing to let our club visit their quarries is the federal safety regulations. This has been very disappointing, as field trips have been one of the most successful activities of our club. Without the field trips the interest in mineralogy will probably diminish.

"We feel action on a national level is needed. What or how we cannot even suggest because we don't understand exactly what has happened. We are looking for some organization who will give some guidance. Could FM be the organization? I would appreciate hearing if you are aware of the problem and if you have any suggestions for our club."

I will throw it open to others to discuss whether we can offer any suggestions to Mrs. Plank or others in her position. The problem of closed collecting areas is real, and probably more acute in the eastern states. An editorial on this subject by June Culp Zeitner appears in the Dec., 1979 issue of Lapidary Journal.

BOOKS

I'd like to mention several books, mostly newly published, that might be of interest:

Mineral Names: What Do They Mean? by Richard Scott Mitchell (1979, Van Nostrand Reinhold, 256 pp., \$13.95). This book discusses the ways in which minerals are named--how, why, and from what the names are derived--and includes a comprehensive list of the origins and meanings of some 2600 mineral names. A review of this book (by Carl Francis) appears in the Nov/Dec 1979 issue of Rocks and Minerals.

Colorado Amazonstone - the Treasure of Crystal Peak by H.H. "Tom" Odiorne (1978, Forum Publishing Co., Denver, 51 pp., hard-bound, 21 x 27 cm, \$12.95). This is an account of the history of mineral specimen finds in the pegmatites of the Pikes Peak batholith area of central Colorado, with descriptions of the form, color, and mineral associates of the "amazonite". The book includes about 33 color photographs. The author, a geologist by profession, has offered a reduced price of \$10 + .66 postage to FM members*. An updated technical account of the mineralogy and chemistry of amazonite can be had in the article by Gene Foord and Robert Martin, "Amazonite from the Pikes Peak batholith" in the Nov.-Dec., 1979 issue of Mineralogical Record.

Minerals of Georgia (their properties and occurrence) by R.B. Cook (1978, Georgia Bulletin 92, 189 pp., \$5) is reviewed in the American Mineralogist, v. 64, p. 660 (1979).

Oddities of the Mineral World by W.B. Sanborn (1976, Van Nostrand Reinhold, N.Y.) contains chapters on pseudomorphs and other such mineral curiosities.

Journal of the Mineralogical Society of New South Wales (P.O. Box R35, Royal Exchange, Sydney 2000) is a new journal quite similar in format and approach to the Mineralogical Record. Vol. 1 (June, 1979; one issue per year) contains historical, descriptive, and general articles. (thanks, Don and Gene)

the Roadside Geology Series are softcover books published by Mountain Press Publishing Co., Box 2399, Missoula, Mont. 59801, guides to the geology of states as seen along highways. Volumes exist (all \$6.95) for Colorado, Texas, Oregon, Northern California, and Northern Rockies; those I have seen are quite good. *PO Box 1231, Littleton, CO 80160

NEW MEMBERS

The following new members are welcomed to FM:

Joyce Pencosky, 15923 35th Ave. NE, Apt. C, Arlington, WA 98223
 Patricia Hoyer, RD #3, Shippensburg, PA 17257
 Arthur Smith, Rm. 336, Deike Bldg., Dept. of Geology, PSU, State College, PA 16802
 Carl A. Kuehn, 754 Whitehall Road, State College, PA 16801
 Richard L. Kitzmiller, 61 Glen Street, Chambersburg, PA 17201
 John W. La Bold, 33 N. Westview Ave., Feasterville, PA 19047
 Lawrence J. Usselman, 525 Wayne Dr., Apt. 334, King of Prussia, PA 19406
 Eleanor F. and Gordon P. Hale, 692 Emmons, Wyandotte, MI 48192
 Edward L. and Nancy A. Godsey, 11212 26th Ave., SW, Seattle, WA 98146
 Bruce W. Hurley, 1938 Rizzo Dr., Sparks, NV 89431
 Vee K. Wertime, 222 5th Ave., Chambersburg, PA 17201
 Charlene M. and James B. Speed, 7175 So. Webster St., Littleton, CO 80123
 Marsha W. Taylor, 5458 E. Briarwood Circle, Littleton, CO 80222
 Richard W. Grier, Jr., 7407E Alvah Ave., Baltimore MD 21222
 Charles G. Nelson, 511 Stone St., Walla Walla, WA 99362
 Richard T. Amon, 213 Druid Hills Road, Temple Terrace, FL 33617
 William A. Gallant, 6645 Dover St., Arvada, CO 80004
 Leslie D. Cubit, 45125 N. 30th St. East, Space 12, Lancaster, CA 93534
 James D. Dee, 12269 Westwood Rd., Alden, NY 14004
 John C. Lucking, 91E Escondido Village, Stanford, CA 94305
 James E. Shigley, 86E Escondido Village, Stanford, CA 94305
 Robert L. Stewart, 2304 Fortune Lane, Greensboro, NC 27408

A complete directory of all FM members will be issued during 1980 and sent to the membership.

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You may not be aware of a nationwide organization called the Fluorescent Mineral Society. The membership of about 150 publishes a newsletter, an annual Journal, and holds specimen auctions, field trips, etc. Dues are \$7.50. For info contact Pete Modreski or FMS exec. sec. Sue Dickey, 311 N. Canyon Blvd., Monrovia, CA 91016. It's international, too!

FM DIRECTORS AND OFFICERS

Feb. 1979 - Feb. 1980

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OFFICERS:

Delbert L. Oswald, President; Carnegie Museum of Natural History, 4400 Forbes Avenue, Pittsburgh, PA 15213 office, (412) 622-3269; home, (412) 364-8523

Paul Seel, Vice-president; 3 Cynwyd Road, Bala-Cynwyd, PA 19004

Arthur Y. Johnstone, Treasurer; 996 Larkmoor Blvd., Berkley, Michigan 48072, (313) 542-3592

Peter J. Modreski, Secretary; 8075 W. Fremont Dr., Littleton, CO 80123 home, (303) 978-9926; office, (303) 234-6808

BOARD OF DIRECTORS: members until Feb., 1980:

Carl A. Francis; Harvard University, Geological Museum, 24 Oxford St., Cambridge, MA 02138 (617) 495-2351

Richard V. Gaines; Route 1, Hoffercker Rd., Pottstown, PA 19464 (215) 323-0326

Peter J. Modreski (address above)

Donald R. Peacor; 2179 Yorktown Blvd., Ann Arbor, MI 48105 office, (313) 764-1452

H. Earl Pemberton; 16520 Bristlecone St., Lake Elsinore, CA 93220; (714) 674-2265

Paul Seel (address above)

members until Feb., 1981:

Martin L. Anne; 509 Maple St., Wrightsville, PA 17368 (717) 252-2636

Richard C. Erd; U.S. Geol. Surv., 345 Middlefield Rd., Menlo Park, CA 94025; (415) 467-2376

Arthur Y. Johnstone (address above)

Vincent Morgan; Box 542, Boron, CA 93516

Jack A. Murphy; Denver Mus. of Nat. Hist., City Park, Denver, CO 80205; (303) 575-3923

Arthur Roe; 3024 East 6th St., Tucson, AZ 85716 (602) 795-5133

members until Feb., 1982:

Dee Belsher; 4472 Prado Dr., Boulder, CO 80303

Ron Bentley; P.O. Box 366, Windsor, Conn. 06095

Mike Groben; Route 1, Box 16, Coos Bay, OR 97420 (503) 269-9032

Delbert L. Oswald (address above)

William D. Panczner; Arizona-Sonora Desert Museum, Rt. 9, Box 900, Tucson, AZ 85704; (602) 883-1380

Harold R. Steacy; Geol. Surv. of Canada, 601 Booth St., Ottawa, Ontario K1A 0E8; (613) 974-9249

REGIONAL CHAPTER PRESIDENTS

Colorado: Eugene E. Foord, 14193 W. 1st Dr., Golden, CO 80401

Pacific Northwest: Robert J. Smith, Box 197 Mailroom, Seattle Univ., Seattle, WA 98122

Pennsylvania: Bryon Brookmyer, Box #19, Blue Ball, PA 17506

Southeastern Michigan: Gordon Herron, 3155 Grayson, Ferndale, MI 48220

Anthony R. Kampf (Los Angeles County Museum of Natural History, 900 Exposition Blvd., Los Angeles, CA 90007) Anthony is Associate Curator for Mineralogy and Geology at the Los Angeles Museum. He has a Ph.D. from the University of Chicago (1976). His interests include research on phosphate minerals, X-ray crystallography, descriptive mineralogy, and developing a reference collection of California minerals at the Museum. He is active in the southern California mineral community.

Peter J. Modreski (8075 W. Fremont Dr., Littleton, CO 80123) Peter is a geochemist with the U.S. Geological Survey, Central Mineral Resources Branch, in Denver. He has a B.A. from Rutgers University (1968) and an M.S. and Ph.D. (1972) from Penn State. He has also worked for the USAF laser research division and Sandia Laboratories. Peter's interests include volcanology, high-pressure experiments on minerals and rocks, and fluorescent minerals. He has been an active member of several mineralogical clubs and societies, including vice-president (1977) and secretary (1978, 1979) of FM.

Donald R. Peacor (2179 Yorktown Blvd., Ann Arbor, Michigan 48105) is Professor of Mineralogy at the University of Michigan. He has a B.S. from Tufts University (1958) and an M.S. and Ph.D. (1962) from the Massachusetts Institute of Technology. He has published numerous mineralogical articles in journals such as the American Mineralogist, Acta Crystallographica, and Zeitschrift für Kristallographie.

H. Earl Pemberton (16520 Bristlecone, Lake Elsinore, CA 92530) Earl's career since 1945 was that of owner of a private business. His interest in mineralogy, for which he has accomplished a great deal, has been an avocation. He has B.A., M.A., and Ph.D. degrees in mathematics and sociology, and he earlier worked in various positions for the U.S. government related to employment and social security. Earl has published numerous articles on mineralogy in the American Mineralogist, Mineralogical Record, and elsewhere, and is a past president of FM.

please detach the ballot below and return in the enclosed envelope to Peter J. Modreski, FM Secretary, 8075 W. Fremont Dr., Littleton, CO 80123 by Jan. 31 1980

1980 Ballot for Election of F.M., Inc. Board of Directors

There are six vacancies. Vote for up to six candidates, including any write-in candidates you choose. Do not sign the ballot. Ballots will be opened and counted by a committee of FM members. Newly elected Directors will serve 2/1/80 to 1/31/83.

- [] Carl A. Francis (Cambridge, Massachusetts)
[] Richard V. Gaines (Pottstown, Pennsylvania)

other names:

[] Anthony R. Kampf (Los Angeles, California)

[] Peter J. Modreski (Littleton, Colorado)

[] Donald R. Peacor (Ann Arbor, Michigan)

[] H. Earl Pemberton (Lake Elsinore, California)

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ELECTION OF FM DIRECTORS TO SERVE 3-YEAR
TERMS, Feb. 1 1980 - Jan. 31 1983

Please complete the following ballot and return it to the FM secretary, Pete Modreski, in the enclosed envelope by January 31, 1980.

Six directors are to be elected to three-year terms. The nominating committee (Art Johnstone and James Cipielewski) has presented six nominees, five of whom have been nominated for a second term as directors. You may vote for as many of the six as you wish, plus any write-in candidates you desire. In February, 1980, the total of 18 FM directors (6 newly elected plus 12 incumbent) will meet in Tucson, Arizona to elect the 1980 national officers (president, vice-president, secretary, treasurer) of the Friends of Mineralogy.

Brief biographical data on the nominees:

Carl A. Francis (Harvard University Mineralogical Museum, 24 Oxford St. Cambridge, Mass. 02138) Carl is Curator at the Harvard Mineralogical Museum. He has a B.A. from Amherst College (1971) and M.S. and Ph.D. degrees from the Virginia Polytechnic Institute. He has published mineralogical articles in journals including the American Mineralogist, Canadian Mineralogist, and Mineralogical Record. He has been active on the FM Ad Hoc Committee on Locality Preservation, and is currently a liaison representative between FM and the Mineralogical Society of America.

Richard V. Gaines (Route 1, Hoffecker Rd., Pottstown, PA 19464) Richard is a consulting mineralogist and mining geologist for various companies. He has an E.M. (Engineer of Mines) degree from the Colorado School of Mines (1940) and an M.A. (1949) and Ph.D. (1941) from Harvard University. In the past he has worked for the New Jersey Zinc Co., U.S. Army Corp of Engineers, National Lead Co., and numerous other companies. He has published mineralogical articles in many journals including the American Mineralogist and Mineralogical Record, and is presently involved in writing a revised (5th) edition of Dana's Textbook of Mineralogy.

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P.S. - Please pay your dues for 1980
(35 to Art Johnstone, Treasurer, if
you do not belong to a regional
chapter) and save Art from sending
you a notice about it. Thanks!