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This is the first FM newsletter of 1982. In it we report on the events and elections at the February, 1982 Tucson show, and on past and forthcoming events among the five regional FM chapters. We encourage everyone to join a chapter if they live near one, or to consider organizing a new chapter if there is none in your area.

This newsletter has been a pleasure to put together because I have had so much input from the chapters via letters and newsletters. I thank the various chapter presidents and secretaries for their continuing help in this. I encourage all of you to use this FM newsletter as a vehicle for your announcements or comments; I will be glad to print letters, suggestions, or inquiries in this newsletter.

The chapters, and our national FM, Inc., have an active program of meetings and symposia planned in the coming year; we hope that many of you will be able to take part in these meetings. Several of the chapters are also active in publishing or preparing to publish books and bulletins. Two national projects are the study of locality preservation, and the preparation of an index of mineral localities. I plan to relinquish this job of FM secretary at the end of this year, and perhaps take an active role in getting FM to resume work on the locality index--I may be looking to you for help and cooperation on that project.

---Peter J. Modreski
 FM Secretary 7/28/82

Fm friends of mineralogy
 affiliated with the mineralogical record

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

FIRST CLASS MAIL



TREASURER'S REPORT FOR 1981

Submitted by Russell P. MacFall, Treasurer, for the year ended Jan. 31, 1982.

cash balance as of 1/31/81	\$ 6268.02
receipts - dues	\$ 1222.33
- donations	25.00
- interest on savings	139.37
total receipts	\$ 1386.70
subtotal	\$ 7654.72
expenditures - operating expenses	\$ 871.69
- loan to SC Chapter	225.00
- donation to MSA fellowship	250.00
total expenditures	\$ 1346.69
cash balance as of 1/31/82	\$ 6308.03

Analysis of operating expenses by source

bank charges	\$ 9.70
secretary	441.50
treasurer	113.09
membership chairman	307.40
total operating expenses	\$ 871.69

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REPORT ON THE 1982 FM DIRECTORS' MEETING AND 1982 FM ANNUAL MEETING, Tucson, Arizona, Saturday, Feb. 13, 1982

Submitted by Peter J. Modreski, Secretary.

FM Directors' Meeting

Directors present for the meeting were Dick Bideaux, Carl Francis, Mike Groben, Tony Kampf, Bill Panczner, Russ MacFall, Pete Modreski, Morris Ratcliff, Bob Smith, and Dick Thomssen. Other FM members present were John Anthony, Bryon Brookmyer, Mike Gray, Wes Greenamy, Jessie Hardman, Kathy Kampf, Hazel Ratcliff, Kay Robertson, and Bob Trimmingham.

Results of the election of FM Directors to serve three-year terms, Feb. 1982 to Jan. 1985, were announced by the secretary. Directors elected were Bill Panczner, Hal Steacy, Mike Groben, Eugene Foord, Dick Thomssen, and Ron Bentley. Jessie Hardman and Bob Trimmingham were unsuccessful candidates; the eight nominees received, respectively, 175, 174, 168, 160, 154, 146, 128, and 122 votes; a total of 211 ballots had been returned out of 507 mailed to FM members. Write-in votes (1 each) were also received for Don Belsher, Bryon Brookmyer,

Wes Greenamy, Jim Hurlbut, and Del Oswald. It was noted that Hal Steacy, who was re-elected as a director but was not able to be at the Tucson meeting, has retired from his position with the Geological Survey of Canada.

It was announced that Earl Pemberton had resigned from his term (one year remaining) as FM director for reasons of health and difficulty to travel to Tucson. Jessie Hardman, having received the most votes of the runners-up, was appointed a director to take Earl's place for the remainder of his term.

The directors agreed that the nomination of eight candidates for the six positions as was done this year was a good policy and that approximately this number of candidates should be offered in future years. Presenting more candidates than the number of openings has the advantage of offering the FM members a choice in the election but has the drawback of finding and nominating several qualified candidates who will not be elected after having offered their services.

President Tony Kampf reported several expenditures that he had approved during the year, including a \$250 donation by FM to a Mineralogy-Petrology Fellowship being established by the Mineralogical Society of America a \$225 loan to the Southern California FM Chapter to help with their expenses of forming the chapter and incorporating, and the authorization of funds to purchase more FM badges. Tony had consulted with the other FM officers prior to authorizing these expenditures. To clarify the authority to approve expenditures of FM funds in the future, the directors voted that the executive committee, consisting of the five officers of FM, would be authorized to conduct the affairs of FM, Inc. during the year, including the authorization of expenditures.

Russ MacFall presented the financial report for 1981, which is reproduced elsewhere on this page. Some \$4000 of the FM treasury is currently earning 5 3/4 % interest in a savings account; the treasurer is to look into possibilities for investing the money at a higher interest rate.

The FM annual award to the author of an article published in the Mineralogical Record was discussed. It was agreed that if an article co-authored by several persons should be given the award in the future, the senior (first) author should be the one to receive the FM prize, a lifetime subscription to the Record. Whether the lifetime subscription

should be presented as a single (\$300) payment to the Record or whether FM should pay for the subscription of each recipient on an annual basis was discussed, but no definite agreement was reached. Carl Francis, chairman of the FM award committee, announced that the 1982 award was being presented to Richard Graeme, for his article, "Bisbee, Arizona" in the September-October, 1981 issue of the Mineralogical Record. The recipient of the award is selected by a panel of five members, with Carl acting as a non-voting coordinator.

The incumbent slate of FM officers was presented for renomination to serve another one-year term. The officers in the four elected positions (Tony Kampf, president; Carl Francis, vice-president; Pete Modreski, secretary; Russ MacFall, treasurer) were unanimously re-elected by the directors. The position of membership chairman is an appointed one; Ron Bentley was re-appointed membership chairman for 1982 by the president.

Tony Kampf raised the question of whether an FM chapter need necessarily be incorporated; the time and expense required to incorporate is a deterrent to the formation of new FM chapters. Our guidelines suggest that a chapter be incorporated, and all the existing chapters are; but the FM by-laws say nothing about this matter, since the existence of chapters is not covered in the by-laws. Bryon Brookmyer pointed out that incorporation would be an advantage and a prudent step for any organization which undertakes significant financial dealings, such as would be involved in publishing books or sponsoring a symposium; for a small group with more informal activities, incorporation would probably not be necessary. Pete Modreski was appointed to be the head of a committee, along with Dick Thomssen, Bob Trimmingham, and Mike Groben, to look into the legal and other aspects of incorporation and report back at the 1983 meeting.

A fifth joint Friends of Mineralogy - Mineralogical Society of America symposium is planned in conjunction with the Tucson show for February, 1983. Carl Francis will be the technical chairman and Richard Bideaux and John Anthony will share the job of on-site chairman. The suggested theme, that of "oxidized minerals of southwestern ore deposits" (the wording of the formal title is not yet decided) was approved by the directors. Another suggested topic, "classic mineral localities", may be used for a future meeting.

FM Annual Membership Meeting

The annual FM meeting followed the directors' meeting. There were approximately 40 persons in attendance, a rather low and disappointing turnout which might be attributed to the busy schedule of the show in Tucson and the lack of matters of high interest to draw people to the FM meeting.

Tony Kampf introduced the FM directors and chapter presidents who were at the meeting, and agreed to dispense with the reading of the minutes.

Russ MacFall presented the financial report, as reproduced in this newsletter. Tony noted the expenditures for name badges, the \$250 donation to the MSA Mineralogy-Petrology Fellowship fund, and the loan of \$225 to the Southern California chapter for incorporation expenses.

Pete Modreski announced the results of the election of directors by mail ballot and the election of 1982 officers at the directors meeting.

Bob Smith reported on the activities of the Pacific Northwest chapter. Their 7th annual symposium (September, 1981; "Silicates") was a success, and the topic of "Mineral Oddities" (pseudomorphs, inclusions, etc.) is planned for the 8th annual symposium, in 1982.

Bryon Brookmyer spoke about the Pennsylvania chapter. About 150 persons attended their Fall, 1981 symposium in West Chester, Pa. The Spring 1982 conference features a tour of the crystal-growth laboratories at Penn State. The most recent publication of the chapter is Historical Sketches of Copper and Lead Mining in Montgomery County, Pa. by F. Harold Evans. New publications contemplated are a 1975-1985 update about the minerals of Pennsylvania, and an "Encyclopedia of Pennsylvania Minerals" which would emphasize locality descriptions rather than arrangement by mineral species. The chapter is working on slide programs for loan to clubs and schools; one which should be ready soon is "More than the eye can see", about micromineralogy.

Pete Modreski reported on the Colorado chapter. The planned publication of an update to "Minerals of Colorado", being supported by the chapter and worked on by a committee of its members, is nearing completion. The chapter will sponsor a

half-day symposium about Colorado minerals at the Denver/Rocky Mountain Federation Show, September 19, 1982.

Wesley Greenamyre talked about the Southern California chapter. Founded in 1981, the chapter held 7 meetings during its first year, including meetings in Los Angeles, San Diego, Anaheim, Pasadena, and Long Beach. It sponsored a symposium at the Mineralogical Society of Southern California annual show in Pasadena.

There was no one present to speak for the Southeastern Michigan chapter.

Tony Kampf took the floor and said a few words of encouragement for the formation of new FM chapters.

Carl Francis spoke about the plans for the 1983, 5th Joint FM-MSA Symposium, "Minerals of Oxidized Ore Deposits" which will be held Sunday and Monday at the February 1983 Tucson show.

Carl then described the FM annual award for a Mineralogical Record article. He introduced Dick Bideaux, who presented the award to Richard Graeme for his Bisbee article. This presentation was to be repeated at the Tucson Show awards assembly later in the evening.

It was noted that Carl Francis is working on an article, ultimately perhaps to become a book, about Massachusetts mineral localities, and Earl Pemberton's book in preparation on the minerals of California will be published soon.

Following the business portion of the FM meeting, Bill Panczner presented an enjoyable and informative slide show about the construction of the new Earth Sciences Center at the Arizona-Sonora Desert Museum.

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NEWS FROM CHAPTERS - COLORADO CHAPTER

submitted by Joseph Taggart, President

The Colorado Chapter of Friends of Mineralogy has been deeply involved in contributing to the knowledge of Colorado mineralogy. Various members have been working on updating "Minerals of Colorado, a 100 year record" by Edwin Eckel, published in 1961 by the U.S. Geological Survey as Bulletin 1114. At present the literature published since 1961 has been reviewed and abstracted for the new vol-

ume, as well as additional sources of information not covered in the first edition. The manuscript is currently half complete and is progressing rapidly. An indication of the increase in the size of the book is that the bibliography has expanded from 35 to 100 pages.

The chapter is currently organizing a Colorado Minerals Symposium which will be presented on September 19, 1982 in conjunction with the Rocky Mountain Federation Show, September 17-19, in Denver, Colorado.

The Colorado Chapter meets in alternate months (Jan. - Mar. - May - Sep. - Nov.) on a Thursday evening at the Denver Museum of Natural History. Recent meetings have featured Henry Pohn on "Pre-electric underground mine lighting", Jack Murphy and David Baysinger on "Collecting a spectacular amazonite/smoky quartz pocket from Crystal Peak for reconstruction in the Denver Museum"; a review of the Tucson show and "what's new in minerals" via slides and specimens; and a slide show by Barbara Muntyan on "Classic Colorado mineral specimens".

The chapter has about 60 members; annual dues are \$10. For information about meetings, membership, or other activities, contact the president, Joe Taggart, 6542 S. Yarrow Way, Littleton, CO 80123, or the secretary, Cym Cooper, 240 W. 80th Ave., Denver, CO 80221.

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PACIFIC NORTHWEST CHAPTER

The 1982 (8th annual) Northwest Mineral Symposium will be held September 24-26 at the Doric Tacoma Motor Hotel, 242 St. Helens Ave., Tacoma, WA 98402. The topic will be "Pseudomorphs, Twinning and Mineral Oddities". Speakers at the symposium will include Bill Wise (University of California - Santa Barbara); Jim Minette (Boron, Calif.); and Thomas Bee (Michigan). Registration for the symposium is \$19.50, which may be sent to Robert J. Smith, Box 197 Mailroom, Seattle University, Seattle, WA 98122.

The chapter plans to begin publishing a formal bulletin as its journal: "The Bulletin of the Northwest Chapter of Friends of Mineralogy". They plan to have the first issue available at the 8th annual symposium contributions are welcome, and may be sent to Robert J. Smith at the address given above.

The next meeting of the Pacific Northwest chapter will be by August 14, 1982, 9 AM - 5 PM at room 509 Bannan Bldg., Seattle University, Seattle, Wa. The program will be "The Clarkia Fossil Locale, a sample of interdisciplinary geological research", plus mineral trading and discussion.

Some recent issues of the Pacific Northwest Chapter Newsletter describe finds of apatite from Acushett, Mass., and of Montgometryite from the Tip Top Mine, near Custer, S.D. The apatite (May issue) is "between one and two inches in size, gem, brilliant, canary yellow." It occurs with green chlorite and white pericline feldspar (of which there are twinned crystals to 6") in alpine-type clefts at a limestone quarry. The montgometryite (July issue, quoting Mike Groben) is in "orange-red to red sprays of free-standing bladed crystals, up to 3/32" long and doubly terminated. This is said to be possibly the finest micro montgometryite found anywhere to date. The July bulletin also notes a new book, "The Secondary Minerals of Zaire", by M. Deliens, P. Piret, and G. Comblain. The book, in French, describes 43 species of uranium minerals, with color photographs. The price is about \$30, from the Musée Royal De L'Afrique Centrale, Tervuren, Belgium.

I'll abstract and quote from Bob Smith's report on the 7th annual Northwest Mineral Symposium, from the Dec. 1981 newsletter:

"On the weekend of Sept. 25, 26 and 27 over 100 people gathered at the Holiday Inn in Bellevue Washington to listen to excellent speakers, look at fine displays, shop at the dealers' tables, and talk about minerals." The topic was, "The Silicates". Talks were given by Paul Moore, who introduced the silicates and also spoke about "The search for the lone pair", dealing with research in sulfosalt mineralogy; Dick Bideaux, on the copper and lead-copper silicates of Arizona; Rudy Tschernich, about mining memorabilia; Al Falster, of Wausau, Wisc., about silicates of alpine clefts, and also on the silicate mineralogy of the Wausau Pluton. The meeting also included luncheons, a dinner, an auction, workshops, exhibits, trading, a dealers' seminar, and a round-table discussion about the future of the mineral collecting hobby. Dealers at the meeting were Dwight Weber, John Matteer, and Bill Schneider. The symposium balanced out with a financial loss of about \$300, mainly

attributed to the effects of inflation.

Dues for the Pacific Northwest chapter are \$6. Information about the chapter may be obtained from Robert J. Smith, the president, or from Sharleen Harvey, Rt. 2, Box 1010, Hillsboro, OR 97123.

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PENNSYLVANIA CHAPTER

The Pennsylvania chapter remains very active, as ever. Their Spring Conference and Mineralogy Symposium, April 30 and May 1-2, at the Pennsylvania State University, included a field trip and lectures by Robert Newnham, "Mechanical twinning in quartz"; William B. White, "Cave mineralogy"; Alan Davis, "Coal petrology"; Robert J. Bodnar, "What fluid inclusions can tell us about mineral formation"; and Deane K. Smith, "The Genth Collection". There were also tours of the laboratories, swapping, an auction, and museum visits. The fall symposium will be held at West Chester State College, the first weekend in November.

Chapter chairman Bryon Brookmyer writes: "Publications have been a major contribution of our chapter. Our latest is Historical sketches of copper and lead mining in Montgomery County, Pa. by F. Harold Evans, \$4.50 postpaid. We have copies of The Mineralogy of Pennsylvania 1922-1965 by Art Montgomery for \$3.50 postpaid and the 1965-1975 volume by Bob Smith for \$15.05 postpaid. The Mineralogy of Pennsylvania 1922 by Gordon is out of print. We are establishing a grant for individuals doing thesis or dissertation work in the field of Pennsylvania mineralogy in the amount of \$250 per year.

The Pennsylvania chapter's newsletter always contains a number of interesting mineralogical items. The March, 1982 issue discusses argentian bismuthian galena from the Pequea group of mines in Lancaster Co.; "cubic chalcocite"; "marmatite"; cobaltian pyrite from Cornwall, French Creek, Morgantown, and Dillsburg; and nickelian pyrite from Cornwall. The Dec., 1981 issue has an article by Jay Lininger on a mineralized slag occurrence at Catasaquaque, Lehigh Co., Pa., at which a number of unusual and as yet unidentified minerals have been found.

Chapter dues are \$5; the Pennsylvania chapter has about 107 members. Information may be obtained from Bryon Brookmyer, 29 Ringneck Rd., Harrisburg, PA 17112, or

from the membership chairman, Vincent Matula, RD #4, Allentown, PA 18103. Publications of the chapter may be ordered from F.M. Publications, Box #19 Sunset Ave., Blue Ball, PA 17506.

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SOUTHEASTERN MICHIGAN CHAPTER

The Southeastern Michigan chapter is fairly small, with about 20 members. It has had close ties with the Cranbrook Institute of Science (Mineralogy Department, 500 Lone Pine Road, Bloomfield Hills, MI 48013), and their meetings are held there. The chapter recently made a donation to the institute.

Keith Alcorn, chapter secretary, notes that:

"Dr. Dennis M. Wint will be the new director of the Cranbrook Institute of Science and will be in residence May 1, 1982. Dr. Wint replaces Robert Bowen who resigned January, 1981 to become director of the Museum of Northern Arizona, Flagstaff, Arizona. Dr. Wint has been vice-president of the Museum of Natural History at the Academy of Natural Sciences, Philadelphia, Pa."

"Chapter plans are in progress for the sponsored program on "What's New in Minerals" for the Greater Detroit Gem and Mineral Show at the Light Guard Armory, Detroit, Michigan, October 8-10, 1982."

"The chapter has completed and is preparing for Fall, 1982 publication of a list of presently operating or past producing mines and quarries for the Upper Peninsula and Lower Michigan, giving the minerals found at the individual sites."

Annual dues for the chapter are \$5. Prospective members should contact Mrs. Kathleen Alcorn, 1691 Oak, Birmingham, MI 48009. The chapter president is Thomas Morris, 4553 Shenandoah, Allen Park, MI 48101.

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SOUTHERN CALIFORNIA CHAPTER

submitted by Wes Greenamyer, president

The Southern California chapter wishes you all a very happy and progressive year! The SCFM optimistically expects to even better 1981. The past year saw the chapter formed, chartered, incorporated, grown to some 65 members, initiate museum projects, and con-

duct its first symposium.

This latter milestone was set in conjunction with the Mineralogical Society of Southern California's annual show in Pasadena. SCFM president Wes Greenamyer briefly welcomed a capacity audience and introduced symposium co-chairman (with Francis Vore) Dr. Anthony Kampf. Dr. Kampf guided the attentive audience from speaker Bill Moller, who spotlighted recent finds in California (in site at Hale Creek, artinite in San Benito County, laumontite at the Pine Creek Mine, rutile and angelite at the Champion Sillimanite Mine, crystalized gold at the Colorado Quartz Mine axinite from Coarse Gold, sylvite from the Salton Sea, and very large spinel crystals from the Seward Prospect in Riverside County to Jim Minette's authoritative discourse on borate occurrences in southern California; through to Cal Graeber's colorful, specimen-illustrated tour of recent operations and finds in the pegmatites of San Diego and Riverside Counties and finally to the San Bernadino County Museum's Robert Reynold's dazzling slide-illustrated report on finds at the Mohawk Mine in San Bernadino County.

At the chapter's annual meeting, immediately following the symposium, a nominating committee's report recommended re-election of all of the first-year officers and directors there being no nominations from the floor, the recommendation was unanimously accepted (the only exception was the declination of direct Willard Perkin, citing a conflicting travel and show schedule, and the subsequent election of Cal Graeber of Fallbrook to the board.)

Responding to another MSSC invitation, SCFM members manned a booth at the Pasadena show, making visual mineral identifications for the attending public (and a few "smart alec" dealers, as well) and, of course, handing out chapter publicity literature.

In all, it has been a great past year. We hope it was the same for you, and that your region, too, looks forward to an even better one.

Coming meetings of the chapter are scheduled for August 29 (at the CFMS Show in Long Beach), Sep. 19 (at the Los Angeles County Museum of Natural History), and Nov. 14 (the annual meeting and symposium, at the Mineralogical Society of Southern California Show Pasadena). Chapter dues are \$5. For information contact Kay Robertson, treasurer and membership chairperson, 10334 Illona Ave.,

Los Angeles, CA 90064; or Wes Greenamyer, president, 633 W. Wardlow Rd., Long Beach, CA, 90806.

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A recently published book is The International Handbook, "A Multi-lingual Reference Directory for Mineral Collectors", by FM member Sande-H-Zirlin. This 175-page softcover book was published (1981) by Garnet Books Unlimited, P.O. Box 217, Fort Johnson, N.Y. 12070. It may be ordered for \$7.50 postage paid to locations in the U.S., Canada, and Mexico, \$9.00 U.S. postpaid to other countries, from either the publisher or the author.

The book is a glossary of mineralogical terms in 12 languages: English, German, French, Spanish, Chinese, Dutch, Italian, Russian, Norwegian, Portugese, Japanese, and Swedish. It is divided into sections listing some 550 mineral names, terms covering "classification", "crystallization", "coloration", and "supportive terminologies" (concretion, conglomerate, crystal, etc.), and a "geographical glossary". It also includes a table of weights and measures and a bibliography.

I would recommend this book to any who might have occasion to try to figure out what "granat" from Österreich is (hint--it ain't granite), or perhaps a ceolita from Ceilão?

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It is with great sorrow that I report the death of Paul Seel, of Bala-Cynwyd, Pa. Paul was a long-time FM member and a well-known and very much loved mineralogist. The Pennsylvania FM chapter is said to be establishing a memorial fund for a scholarship in Paul's memory. We will all miss him.

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Friends of Mineralogy has had many new members since we published our last list of additions to the membership roster, in June, 1981. Rather than listing new members and address changes here, we will be preparing a complete new directory in the coming months which will be sent to all members. To all the new members, we welcome you, and hope that we will all benefit from our mutual association.

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COMING EVENTS

- Aug. 29, 1982 - meeting of the Southern California chapter, at the CFMS Show in Long Beach, Ca.
- Sep. 19, 1982 - Colorado chapter symposium, "Minerals of Colorado", at the Rocky Mountain Federation Show in Denver, CO.
- Sep. 24-26, 1982 - Northwest Mineral Symposium, "Pseudomorphs, Twinning, and Mineral Oddities", at the Doric Tacoma Motor Inn, Tacoma, Wash.
- Oct. 8-10, 1982 - Greater Detroit Gem and Mineral Show, at the Light Guard Armory, Detroit, Mich.
- Nov. 6-7, 1982 - Pennsylvania chapter Fall Symposium, at West Chester State College, West Chester, Pa.
- Nov. 13-14, 1982 - New Mexico Minerals Symposium, at the New Mexico Institute of Mining and Technology, Socorro, N.M.*
- Nov. 14, 1982 - Southern California chapter, symposium and annual meeting, at the Mineralogical Society of Southern California Show, Pasadena, Ca.
- Feb. 11-13, 1983 - Tucson Gem and Mineral Show, Tucson, Arizona.
- Feb. 13-14, 1983 - Fifth FM-MSA Joint Symposium, "Minerals of Oxidized Ore Deposits", Tucson, Az.

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Bob Trimmingham (5319 Charlotte Way, Livermore, CA 94550) has been appointed to be the chairman of the nominating committee for 1983 FM directors and officers. If you wish to nominate or suggest someone, or to volunteer yourself, please contact Bob. We need several new officers for the coming year, to give our incumbent officers a break--including a new secretary and treasurer--and we would particularly welcome volunteers or suggestions for these positions.

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If you have not yet paid your FM dues for 1982, please do so at your earliest convenience. Remember, members of regional chapters pay their dues (the amounts vary) to the chapter treasurer, who forwards \$2 to national FM. Unaffiliated members should send their dues (\$5) directly to the FM treasurer, Russ MacFall.

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 *For information contact Bob North, New Mexico Bureau of Mines, Socorro, N.M. 87801.

F **M** friends of **mineralogy**

FM DIRECTORS AND OFFICERS

Feb. 1982 - Feb. 1983

affiliated with the mineralogical record

American Federation of Mineralogical
Societies liason: Dan Caudle,
1248 Prince Rd., Tucson, AZ 85719

Mineralogical Society of America
liason: Carl Francis (address below)

OFFICERS

Anthony R. Kampf, President - Los Angeles County Museum of Natural History, 900 Exposition Blvd
Los Angeles, CA 90007; home (213) 390-3243; office (213) 744-3328

Carl A. Francis, Vice-President - Harvard Museum, 24 Oxford St., Cambridge, MA 02138; (617) 495
4758

Russell P. MacFall, Treasurer - P.O. Box 309, Coronado, CA 92118 (714) 435-0694

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

Ron Bentley, Membership Chairman - 309 Irvin Dr., Midland, TX 79701 offc. (303) 234-4814

BOARD OF DIRECTORS: members until Feb., 1983:

Carl A. Francis (address above)

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

Anthony R. Kampf (address above)

Peter J. Modreski (address above)

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

Jessie Hardman - 4759 Blackthorne Ave., Long Beach, CA 90808

members until Feb., 1984:

Richard A. Bideaux - 710 W. Bangalor Dr., Oro Valley, AZ 85704

Russell P. MacFall (address above)

Jack A. Murphy - Denver Museum of Natural History, City Park, Denver, CO 80205 (303) 575-3923

Morris W. Ratcliff - 114 Emerald Ave., Lake Wales, FL 33853

Donald W. Schmerling - 1780 Prescott Rd., York, PA 17403

Robert J. Smith - Box 197, Seattle University, Seattle, WA 98122 (206) 626-6739

members until Feb., 1985:

William Panczner - 640 N. La Cholla Blvd., Tucson, AZ 85719

Harold R. Steacy - 275 Buchan Road, Ottawa, Ontario, Canada K1M 0W4

Mike Groben - 1590 Olive Barber Road, Coos Bay, OR 97420 (503) 269-9032

Eugene Foord - 14193 W. 1st Dr., Golden, CO 80401

Ron Bentley (address above)

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

REGIONAL CHAPTER PRESIDENTS:

Colorado: Joseph E. Taggart, 6542 S. Yarrow Way, Littleton, CO 80123

Pacific Northwest: Robert J. Smith (address above)

Pennsylvania: Bryon Brookmyer, 29 Ringneck Dr., Harrisburg, PA 17112

Southeastern Michigan: Thomas Morris, 4553 Shenandoah, Allen Park, MI 48101

Southern California: Wesley Greenamyre, 633 W. Wardlow Rd., Long Beach, CA 90806 (213) 426-3668