

# FM friends of mineralogy

affiliated with the mineralogical record

Beryl

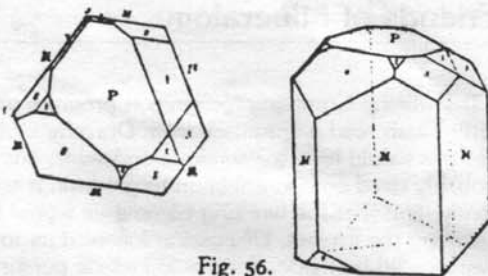


Fig. 56.

FM Newsletter

January, February, March 1989

## President's Message

- We welcome two newly elected Directors, Richard Hauck, Bloomfield, New Jersey, and Jay Lininger, Dillsburg, Pennsylvania, and thank Henry Truebe, Tucson, Arizona, and Don Zowader, Somerville, New Jersey, whose terms were completed. Marie Huizing, Tony Kampf, Al Kidwell and Pete Modreski were re-elected.
- The Best Article in the MR Award was given for "Volcanic Zeolites and associated minerals from New South Wales" by Brian M. England and F.L. Sutherland. We were pleased to have Brian England present on Saturday evening to receive the award certificate. He also authored "Kingsgate Mines," the best article in 1985.
- A report concerning the photograph-video disk project was received from George Gerhold, Western Washington University, after we returned from Tucson. He concluded "... at the moment and for the foreseeable future, the project is in limbo. . . I further regret not being able to take advantage of the slide collections which are currently available. I appreciate the Society's offer of cooperation, and I will surely contact you if any other avenues of support emerge."
- "Monteregian Treasures, The Minerals of Mont Saint-Hilaire, Quebec" made its appearance at the Tucson Show. A delightful surprise. The publisher is Cambridge University Press, New York, and the price is \$85.00.
- The Index Committee is already at work. Serving with Mike Groben, Chairman, are Richard Thomssen, Jay Lininger, Walt Lombardo and Ray Lasmanis.
- Thank you, Pete Modreski, for taking the minutes at the Annual Membership Meeting on Sunday and for the fine short program which followed the meeting.

Marcelle H. Weber ■

## Board of Director's Meeting

The Board of Director's Annual Meeting was held at the Day's Inn, on February 10, 1989 in Tucson, Arizona. The meeting started at 8:20 am. There were 16 members present, and one guest, Ron Bentley.

The slate of officers was announced as Marcelle Weber, President, A. Kidwell as Vice President, Russ Boggs as Treasurer and Betty Tlush as Interim Secretary. A motion was made that the slate be accepted as it stood, motion was carried.

Kay Robertson made a motion that the minutes of the last meeting be approved as printed in the newsletter. The motion was carried unanimously.

Betty Tlush announced that the new Directors of the Board were Jay Lininger of Pennsylvania and Richard Hauck of New Jersey, the remaining slate of Marie Huizing, Pete Modreski, Al Kidwell and Tony Kampf were elected. The Secretary also commented that out of a membership of over 500 there were only 25 ballots returned.

Russ Boggs, Treasurer, read his report, and it was accepted without comment. Kay Robertson read the audit of the 1987 FM, Inc. Treasurer's report:

"February 9, 1989

I have examined the accounts for 1987 received from Treasurer Al Kidwell.

Due to Mr. Kidwell's frequent absences, the accounting was done by the bank. Mr. Kidwell furnished me with receipts and other supporting material. A few questions were answered by telephone and at a personal meeting. After examination, I have found the following small discrepancies:

The income from memberships should be reduced by \$21.00, as the amount was overstated. This reduces the total income figure for the year to \$5,038.82.

The total assets February 1, 1988, were \$9,831.17, which agrees with the bank statement, which had not been received by Mr. Kidwell at the time when he gave his accounting in Tucson, and which, therefore, had to be estimated.

Other than this small discrepancy, I have found the accounting correct."

Kay Robertson, FM Director

A motion to accept the auditors report was made and passed unanimously.

A formal motion was made for SPECIAL THANKS to Carolyn Jones and Keith Abernathy of Denver, Colorado for the typesetting and production of the newsletter and to Copy Cat for the printing of same. It was passed unanimously with a great deal of pleasure and nice comments on appearance of the newsletter.

Best Article in *Mineralogical Record* was announced as Brian England and F. Sutherland - "Volcanic Zeolites and Associated Minerals from New South Wales." Judges were two women and three men from five different parts of the U.S. and included those with professional and non-professional backgrounds. A close second was the article on "Zeolites and Related Minerals from Table Mountain Lava Flows near Golden, Colorado." by Kile and Modreski.

Pete Modreski reported on the Locality Index. The California and Georgia Index is finished and will be published in a forthcoming issue of *Rocks and Minerals* magazine. Nevada is to be re-worked and updated, and Colorado has to be brought up to date.

President Marcelle Weber reported for Ray Lasmanis that the National Science Foundation has decided not to fund the Mineral Video Disk Project with Western Washington University, and that, for now, it is a closed issue.

The Mining Company recognition program was discussed. Betty Tlush read a comment from Dorothy Guild, FM member, that this would be a tremendous endeavor, and we would probably need computerization to get listings together efficiently, and that the working committee would be VERY busy assessing the project. Discussion followed as to what type of award could be made, if it would include persons who allowed collection on their properties, etc. The committee will continue working on GOOD guidelines for awards, whether it will be certificate or plaque, and decide on guidelines for choosing recipients.

There will be no membership directory for 1989, perhaps one in 1990. The membership diskette might have to be re-done as it does not work on Russ Boggs computer.

Plans for publishing a new, 20 year cumulative index for MR were discussed. Ray Lasmanis is heading a group to prepare this index.

Ron Bentley was introduced as the new President of the *Mineralogical Record*. In the ongoing discussion of the Index, he stated that MR wants more editorial control on the cover picture, and would assume role as co-publisher with FM. The binding would be much better. The Index might be half again as large, if not more. Printing costs have increased 5% a year since the 14 year Index, so it is going to be more expensive. We now have five additional years completed and the sixth year is almost complete. Dick Thomssen volunteered to help Mike Groban in the project. The Comprehensive Index has to be done in computer, and MR would do the job for cost.

Bob Jones made a motion for a six year database to be established. Don Zowader seconded the motion, and it was passed unanimously. A committee was established to look into cost of publication. They are to get bids and submit them to the board for approval. Mike Groban was given latitude on picking the committee. Several board members volunteered to proofread the Index. Tony Kampf asked for decision for a six year index, 20 year index or for one now. Bob Jones stated that he thought it would be better to go for the 20 year, we might, perhaps, lose money, but it would be far better to use.

Marcelle requested a letter from MR on costs, what they want to do, re-compilation of the database and printing the book. Project is planned for a year and a half. The current Index has been reduced in price. Contact MR and various dealers. Pete Modreski made a motion to establish an executive committee and authorize it to spend up to \$5,000.00 for entering the six years in to a database, typing index, subject to approval of board. It was passed with no further discussion.

A motion was made (K. Robertson) and passed, to partially repay MR for printing abstracts of the Tucson FM symposia in the Tucson guide as a gesture of friendship.

Abstracts from last years Beryl Symposium (TGMS) will be available at the show, Arlene Handley volunteered to handle these for \$1.00 contribution. R. Bentley volunteered to print TGMS symposium abstracts in later issue, if gotten to them in time.

A suggestion was made that the FM mineral symposium at Tucson time not be on the show mineral. The symposium could be expanded after show, or perhaps a mini-symposium at show time.

A budget for 1989 was set up, as required by the state of California. It is as follows:

Computer	\$ 50.00
Locality Index	200.00
<i>Mineralogical Record</i> Index	200.00
Officers Expense	200.00
Directors Expense	150.00
Secretarys Expense	2,000.00
Chapter Expense	300.00
Database	5,000.00
Miscellaneous	300.00
<b>Total</b>	<b>\$8,400.00</b>

W. Lombardo motioned the budget be passed, and it was unanimously approved.

The meeting was adjourned at 10:30 am.

Respectfully submitted  
Betty Tlush, Secretary

## FM Treasurer's Report

### Transfer from Al Kidwell,

Past FM Treasurer .....	\$8,892.43
(\$4,000.00 on February 12, 1988)	
(\$4,892.43 on April 11, 1988)	

### INCOME

Membership Dues .....	\$ 876.00
<i>Mineralogical Record</i> Index sales .....	825.50
Interest .....	371.33
Beryl Symposium Abstract sales .....	57.00
Return of excess for directory printing .....	11.48
<b>TOTAL INCOME</b>	<b>\$2,142.31</b>

### EXPENSES

Presidents expenses .....	\$ 31.86
Vice Presidents expenses .....	35.55
Secretarys expenses (newsletter printing) .....	1,076.07
Treasurers expenses .....	32.29
Membership maintenance .....	79.96
Ad in <i>Rocks and Minerals</i> index .....	50.00
Beryl Symposium expenses .....	50.00
Directory printing and postage .....	670.00
Postage and lables .....	23.70
Phone .....	9.49
Bank charges and check printing .....	11.95
<b>TOTAL EXPENSES</b>	<b>\$2,070.87</b>

<b>BALANCE</b> February 1, 1989 .....	\$8,962.87
Plus checks not cleared .....	431.41
<b>TOTAL ASSETS</b> February 1, 1989	<b>\$9,394.28</b>

Bank Balances - January 31, 1989 statement	
Checking account .....	\$1,507.54
Money Market account .....	2,621.94
Certificate of Deposit .....	5,264.80
<b>TOTAL ACCOUNT BALANCE</b>	<b>\$9,394.28</b>

<b>ASSETS</b> February 1, 1988 .....	<b>\$8,931.17</b>
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### INCOME

Russ Boggs, Treasurer .....	\$2,141.31
Al Kidwell, Treasurer	
Membership Dues .....	380.50
Interest .....	53.56
<b>TOTAL INCOME</b>	<b>\$2,683.37</b>

### EXPENSES

Russ Boggs, Treasurer .....	\$2,070.87
Al Kidwell, Treasurer	
<i>Mineralogical Record</i> Best Paper Award .....	200.00
Santa Rita Conference Center .....	104.78
Past Treasurers expenses .....	78.86
<i>Mineralogical Record</i> locality project .....	21.14
Refunds to Chapters .....	20.00
Beryl Symposium expenses .....	54.00
Past Vice Presidents expenses .....	32.58
Ray Lasmanis .....	4.40
<b>TOTAL EXPENSES</b>	<b>\$2,586.63</b>

<b>BALANCE</b> February 1, 1989 .....	\$8,919.91
Plus checks not cleared .....	431.41
<b>TOTAL ASSETS</b> February 1, 1989	<b>\$9,351.32</b>

Miscellaneous Income unaccounted for (interest?) .....	\$42.96
<b>TOTAL ASSETS</b> (bank balance) February 1, 1989	<b>\$9,394.28</b>

## FM Annual Meeting - Minutes

Community Center, Tucson, AZ  
Sunday, February 12, 1989  
Recorded by Peter J. Modreski

The meeting was called to order by President Marcelle Weber at about 1:30 pm. She announced the directors elected for three terms beginning February 1989: R. Hauck, J. Lininger, M. Huizing, T. Kampf, A. Kidwell, P. Modreski. Officers elected at the board meeting were: Pres. Marcelle Weber, V.Pres. Al Kidwell, Treas. Russ Boggs, Sec'y. Jay Lininger (Current Sec'y to continue until Jay is able to take over.) Marcelle publicly thanked Carolyn Jones and Keith Abernathy of Denver for doing the typesetting/production and arranging for the printing of the newsletter.

Al Kidwell reported on the MR 1988 Best Article Award, given to Brian England and F.L. Sutherland for their article in November/December issue, "Volcanic Zeolites and Associated Minerals from New South Wales". Al noted that the article by Dan Kile and Peter Modreski was a close runner-up. Brian England was present to receive the award when it was announced at the Tucson Award ceremony Saturday evening, and the traditional \$200.00 check was presented to MR in the name of the authors. He also won Best Article Award in 1985 for his paper on the Kingsgate Mines. Marcelle Weber noted that a thank you letter had been received from two of the four authors of the article which received last years award, "Minerals of the Carrara Marble."

P. Modreski reported on the locality index project. He noted that the current state of the project was summarized in a column in the January/February 1989 issue of *Rocks & Minerals*, and he passed out copies of the column and a handout summarizing the states and countries that people have volunteered to work on.

Marcelle reported on behalf of Ray Lasmanis that the proposed cooperative mineral photograph-video disk project between FM and West Washington University had not received funding from the National Science Foundation. The project is now inactive. She also reported on the proposed recognition of mining companies or individuals who make noteworthy contributions to preservation of mineral specimens from active mining operations. She appointed a committee of Tony Kampf, Henry Truebe and Arlene Handley to finalize the criteria and nature of this award, and to receive nominations of organizations or persons to receive this award.

To save costs there will be no FM membership directory this year. It will be updated in 1990.

She reported on plans to prepare and publish a new, 20 year cumulative index to the *Mineralogical Record*. Annual additions to the 14 year (1970 to 1983) index have been prepared by a group headed by Ray Lasmanis. By prior agreement between FM and MR, the Record has the first option to publish a new cumulative index. If it chooses not to do so, the two groups may work out a financial arrangement to jointly publish the index, or FM may do so alone. MR is deciding what to do about publishing the index, and also whether to publish a complete 20 year index or just a six-year supplement. As a first step in readying the material from the past six years for publication, Mike Groban will be in charge of a committee to obtain bids for having the new index material typed into a computer database.

Tana Daugharthy, President of the Great Basin Chapter, described their Third Spring Symposium, to be held in conjunction with the Las Vegas mineral show, April 7-9 at the Las Vegas Convention Center. The Chapter has 19 members in 1988. It has nearly completed a mineral index for Nevada.

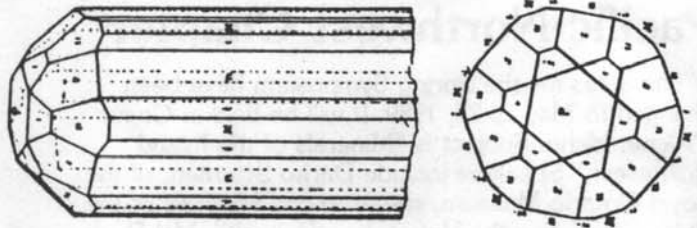


Fig. 53.

Bob Smith reported for Pacific Northwest Chapter. Their 15th Pacific Northwest Mineral Symposium will be held on September 29 - October 1, 1989. "Zeolites" is the theme and it will be held in Tacoma, Washington. A mid-year (14½) symposium will be held in Coeur d'Alene, Idaho on Memorial Day weekend.

Dick Hauck spoke on behalf of the Pennsylvania Chapter. He commented on the continued loss or degradation of some mineral localities in the Pennsylvania-New Jersey area: the Sterling Hill mine, now closed, was repossessed by the town and may be sold for land development, though he is trying to work for its preservation as a historic site; the Trotter dump at Franklin, which remains closed mainly due to insurance difficulties; and the Buckwheat dump, which continues to decline in value as a collecting site. He also commented on the relatively high cost (more than \$3000.00 for use of building space at the college) of putting on the major mineral show in the area - the New Jersey Earth Science Association Show at William Paterson College in Wayne, New Jersey.

Tony Kampf reported that a group from the Southern California Chapter has completed a mineral locality index for California. This index, as it will be published in the next issue of MR will include slightly more than 200 localities; more localities will be added to it in the future. The next Pasadena symposium will feature reports by various museum curators on new activities at their museums.

There was no report from the Indiana chapter and the Southeast Michigan Chapter remains inactive.

Marcelle summarized the 1988-1989 Treasurer's report, submitted in writing by R. Boggs, showing a starting balance of \$8931.17 on February 1, 1988, which increased of \$9394.28 as of February 1, 1989. Total operating expenses for the year were \$2586.63. She reported on Kay Robertson's audit of the 1987 treasurer's records which showed that all was in order and that the records were in good shape. Kay performed a similar audit of the 1988 records. The audit with the 1988 treasurer's report was accepted by motion and vote of the membership. Marcelle read a proposed budget for 1989-1990, which was approved by the membership.

"Wulfenite" will be the theme for the 1990 Tucson Show, and is the proposed topic for a short FM symposium at the show. The possibility of planning an expanded symposium for this or the following year's Tucson show was discussed, including the desirability of longer times allotted for speakers plus perhaps more speakers, but the difficulties in arranging for more time at the show were noted. There was also discussion with no consensus, about what is the best time for the FM annual meeting at the Tucson show; the Sunday afternoon time slot seems not to be particularly good.

Following the conclusion of FM business reports, Pete Modreski presented a short slide program documenting the discovery, during quarrying/roadcut operations, of a cave, in Precambrian gneiss, near Golden, Colorado. As an example of mineral preservation, material from the cave - which cannot be kept intact in its present location - has been donated by the land owner to the Colorado School of Mines, which will shortly attempt to excavate the material and reconstruct it as a cave exhibit at its museum.

## Pacific Northwest Chapter

■ The dates for the Spring Symposium have been changed to May 26-28, 1989. It will be held in Coeur d'Alene, Idaho. Subject is "Minerals of the Inland Northwest." Speakers include Darko Sturman, of the Royal Ontario Museum, speaking on "Minerals of the Yukon, including the Yukon Iron Deposit". Mel Dyck who will speak on "With a Collector's View of Minerals of Wyoming". Activities will include dealers, several more speakers, displays, a mineral auction, micromount session and much more. Activities are from noon Friday, May 26, to noon Sunday, May 28. Registration is \$30 and includes Saturday lunch. For more information, please contact Lanny Ream, P.O. Box 2043, Coeur d'Alene, Idaho, 83814 or call him at this number (208) 667-0453. It promises to be a full and active symposium. ■

## Pennsylvania Chapter

■ A new phosphate mineral has been named for Pennsylvania Chapter member Dr. Louren Wals who is now residing in Turnhout, Belgium. He was introduced to Pennsylvania mineralogy by Dr. Allen Heyl. Dr. Wals looks forward to visiting the state on one of his trips abroad, and to collecting with fellow Pennsylvania Chapter members. The new mineral LOURENWALSITE, is a layered titaanoaluminosilicate, occurs, along with a similar new mineral, (Delindeite) in vugs in nepheline syenite in the Diamond Jo Quarry in the Magnet Cove area of Arkansas. ■

## Indiana Chapter

■ Officers for 1989 are the following:

Rich Eddy*	PRESIDENT
Nelson Shaffer	1st VICE PRESIDENT
Vern Swanson	2nd VICE PRESIDENT
Wanda Aldred	SECRETARY-TREASURER
Terry Huizing	FM LIAISON

(\* All officers from 1988 were re-elected: the presidents re-election depends on approval of the Constitutional change.)

■ **Annual dues (\$15.00 and \$7.00 for additional member) for the chapter are now due, this includes National and Chapter dues and liability insurance protection through the Cincinnati Insurance Co.**

■ The Chapter is beginning its 3rd year, and has been very active. January meeting included an update on Chapter activities and ideas for 1989. A vote on the proposed constitutional and By Laws Amendments, and a talk by Ken Tankersley on "Paleo-Indian Mineral Procurement".

■ The March meeting was held on March 12, 1989 at the Indiana State Museum at 12:30 pm. Nelson Shaffer gave an interesting program on "Geodes," and theories about geode formation.

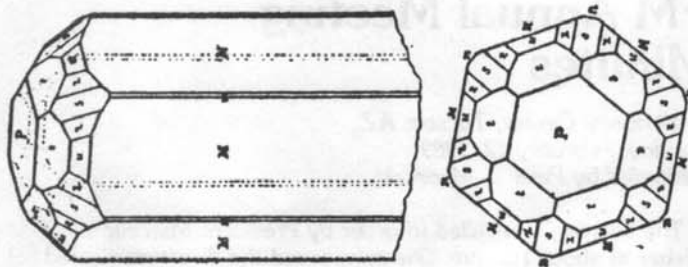


Fig. 57.

## Colorado Chapter

■ The following were elected officers for 1989:

James F. Hurlbut	PRESIDENT
Raymond Berry	VICE PRESIDENT
Edward Pedersen	SECRETARY
Chauncey Walden	TREASURER
Annabelle E. McGraw	BOARDMEMBER
Edward Gray	BOARDMEMBER
Don Belsher	BOARDMEMBER

■ The January meeting was held in the West Auditorium of the Denver Museum of Natural History at 7:30 pm on January 12, 1989.

Gene Foord presented a talk entitled "Environment of Crystallization of Topaz as Determined from Chemistry and Infrared Spectra." There was a display case for members to show their examples of topaz, along with other minerals of general interest.

■ At the FM meeting of March 9, 1989 Pete Modreski showed his video tape of the highlights of the past, 1989, Tucson Show. David Bucknam of the Mined Land Reclamation Division, and Bruce Stover of the Colorado State Geology Department presented a program on work being done in Colorado.

■ Ray Berry reported on the planned workshop in mineral photography.

■ Treasurer Chauncey Walden reminded members that the 1989 dues are NOW DUE, and are \$10.00 per year. You can mail your check to him at 5365 West Leawood Drive, Littleton, Colorado 80123.

■ The announcement of the new mineral "Foordite" has just been described. It is an oxide mineral, which forms a series with Thoreaulite.

■ The Chapter will hold an Auction on May 11, 1989 at the Denver Museum of Natural History. Minerals, books, memorabilia and related items will be presented. It is to be a silent and also a vocal auction. Set-up time is 7:00 pm and it starts at 7:30 pm. Everyone is welcome, and refreshments will be served. For further information please call Jim Hurlbutt at 757-0283 or Jack Murphy at 370-6355.

■ An announcement is made that a softbound book, containing the proceedings of the "Precious Metals Deposits Symposium" is still available from Friends of Mineralogy, Colorado Chapter, c/o Jack Murphy, Geology Dept., Denver Museum of Natural History, City Park, Denver, Colorado 80205. The price is \$15.00 postpaid. From the same address and the same price is the book on "Colorado Pegmatites." These are two very important publications and should be in every serious collectors library. ■

## Great Basin Chapter

■ New officers for 1989 are the following:

Tana Daugharty  
 Steve Scott  
 Harlan Miller  
 Greg Raab  
 Steve Pullman  
 Pat Lister  
 Steve Lilly  
 Jerry Anderson  
 Walt Lombardo

PRESIDENT  
 VICE PRESIDENT  
 SECRETARY  
 TREASURER  
 BOARDMEMBER  
 BOARDMEMBER  
 BOARDMEMBER  
 BOARDMEMBER  
 BOARDMEMBER

■ Please note the change of address for this Chapter:

FM - Great Basin Chapter  
 P.O. Box 28963  
 Las Vegas, NV 89126

■ Steve Scott, Earth Science teacher in Las Vegas gave an excellent talk and slide presentation on the "Environment of Crystallization and Mineralization." His slides showed collection localities corresponding to each type of environment - pegmatites, hydrothermal deposits, igneous dikes, jugs in volcanic rock and re-crystallization from metamorphic changes. It was a very informative program.

■ The chapter will hold a symposium in conjunction with the Clark County, "Gems of the 80's" gem and mineral show held at the Las Vegas Convention Center, Las Vegas, Nevada, on April 7-9, 1989. Speakers will include:

Dan Harper, General Manager Pinson Mine.  
 Paul Iverson, Deputy Director Nevada Dept. of Minerals

Joe Tingley, Economic Geologist - Nevada Bureau of Mines and Geology

Mark Ginrich, Exploration Geologist - First Miss Gold, Inc.

Tana Daugharty, President Great Basin Chapter FM  
 Steve Scott, Earth Science Teacher, Rancho High School, Las Vegas, Nevada

Dr. Bruce Hurley, Senior Scientist for Science Applications International Corp.

It promises to be a very interesting symposia and we hope it is a great success. ■

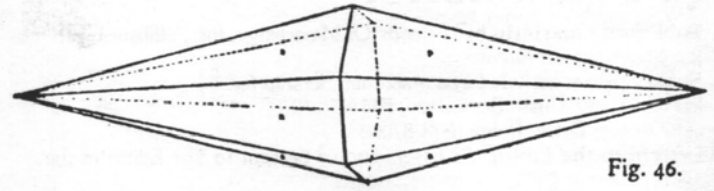


Fig. 46.

■ ATTENTION ALL CHAPTER MEMBERS ■  
 PLEASE help your chapter  
 by paying your 1989 dues now!

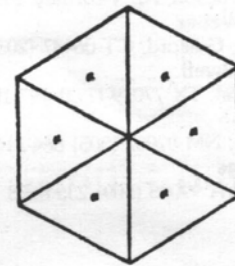


Fig. 47.

## Southern California Chapter

■ New officers for the chapter are as follows:

Fred Devito	PRESIDENT
Joel Bartsch	VICE PRESIDENT
Jessie Hardman	RECORDING SECRETARY
Kay Robertson	TREASURER
Jennifer Reynold	BOARDMEMBER
Tony Kampf	BOARDMEMBER
Bob Reynolds	BOARDMEMBER
Vacant	CORRESPONDING SECRETARY

The vacancy will be filled by the Board, this officer will also fill the vacant Board position.

■ At the October 9, 1988 meeting an expenditure in the form of a \$100.00 donation to the California State Mining and Mineral Exhibit Association was proposed and authorized by the membership.

■ Tony Kampf reported the California Localities Index had been accepted for publication by the *Mineralogical Record*, possibly for the May/June 1989 issue. Bob Reynolds expressed the hope that the committee would remain active and continue in its important work.

■ The Localities Database Subcommittee reviewed the goals of the subcommittee to explore computerized records keeping of locality information and to develop procedures by which information could be shared through interested institutions. Tony Kampf announced he has an article on computerization in a forthcoming *Rocks and Minerals* magazine. It was suggested that the general topic of computerization in museum systems and collections might develop into an appropriate topic for the SCFM.

■ On March 18 and 19, 1989 there was a special workshop for mineral identification and collection management at Fisk Auditorium, San Bernardino County Museum, with a special lecture by Joel Bartsch, Curator. ■

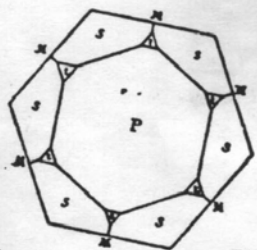
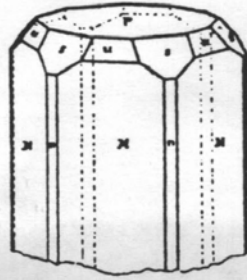
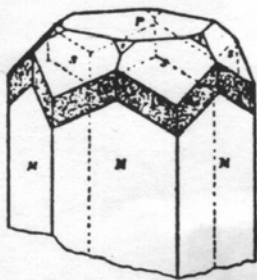


Fig. 58.

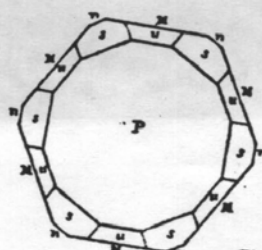


Fig. 59.

# FM Newsletter

Published Quarterly by: Friends Of Mineralogy, Inc., affiliated with the *Mineralogical Record*.

Subscription: Included in annual membership fee.

Editor: Betty Tlush, Secretary, FM

1202 Perion Drive, Belen, NM 87002

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## Friends of Mineralogy, Inc.

### 1989 Officers

Elected board meeting, Tucson, AZ, February 10, 1989.

President ■ **Marcelle Weber**

1173 West Lake Avenue, Guilford, CT 06437 (203) 481-2658

Vice President ■ **Al Kidwell**

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

Secretary ■ **Betty Tlush**

1202 Perion Drive, Belen, NM 87002 (505) 864-2145

Treasurer ■ **Russ Boggs**

19 3rd Street, Cheney, WA 99008 (509) 235-8698

### Board of Directors

Until February 1990

Peter Megaw ■ 602 S. Rosemont, Tucson, AZ 85711

Walter Lombardo ■ 4728 Elm Ave., Las Vegas, NV 89110

Arlene Handley ■ 800 NW 72nd St., Vancouver, WA 98665

Ray Lasmanis ■ 2711 Morse Meryman Rd., Olympia, WA 98501

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

Philip Scalisi ■ 23 Hazel Court, Maitree, MA 02184

Until February 1991

Russell Boggs ■ 19 3rd St., Cheney, WA 99008

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

Richard Hauck ■ 8 Rowe St., Bloomfield, NJ 07003

Jay Lininger ■ R.D. 3 Ridge Rd., 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

### Regional Chapter Presidents

Colorado ■ **J. Hurlbut**

2240 South Adams, Denver, CO 80210

Great Basin ■ **T. Daugharthy**

5475 El Camino Rd., Las Vegas, NV 89118

Indiana ■ **R. Eddy**

5235 Hartford Avenue, Columbus, IN 47203

Pacific Northwest ■ **C. Harris**

7716 N.E. 101st Avenue, Vancouver, WA 98662

Pennsylvania ■ **A. Mogel**

2503 Village Rd., Orwigsburg, PA 17961

Southeast Michigan ■ **(In-Active)**

Southern California ■ **F. DeVito**

1406 Norwich Ave., Thousand Oaks, CA 91360

### Affiliations

American Federation of Mineralogical Societies

Liason: D. Caudle ■ 1248 E. Prince, Tucson, AZ 85719

The Mineralogical Record ■ Tucson, AZ

Mineralogical Society of America

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c/o CSIRO Division of Mineral Chemistry

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## Contents

Board of Directors Meeting .....	1-2
Colorado Chapter .....	4
FM Annual Meeting - Minutes .....	3
FM Directors/Officers .....	6
FM Treasurer's Report .....	2
Great Basin Chapter .....	5

Indiana Chapter .....	4
Pacific Northwest Chapter .....	4
Pennsylvania Chapter .....	4
President's Message .....	1
Southern California Chapter .....	5



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