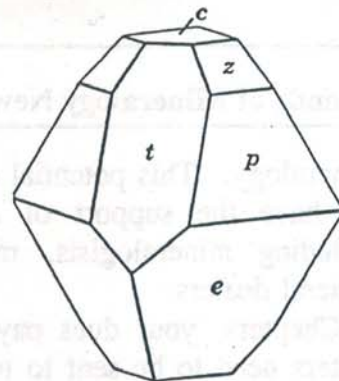


# FM friends of mineralogy

affiliated with the mineralogical record



Lazulite. Werfen.

Friends of Mineralogy Newsletter

No. 3

July, August, September 1995

## PRESIDENT'S MESSAGE

In the two years I've been president I have refrained from editorializing, but the time has come to climb up on a soapbox. As many of you are aware the U.S. Geological Survey's Geologic Division just conducted a reduction in force (rif) that only affected approximately 20% of its scientific staff nationwide. However, our politicians and USGS managers apparently declared open season on mineralogists. Few FM members who worked for the Survey's Geology Division retained their jobs. All 3 of your national board members who were USGS employees were affected. FM members who lost their jobs include Gene Foord, Earl Verbeek, Rick Collins, Regina Aumente Modreski (national board member and membership chairperson), and your national FM president (yours truly). Pete Modreski (national board member and ex-FM president) "lost his job," but fortunately he was a veteran, so he was placed in a different, nonscience position. Perhaps rifing Gene Foord was the most cruel. Anyone who knows Gene realizes that he epitomized the generous mineralogist dedicated to the advancement of science. He has contributed significantly to the mineralogical literature, and has been a source of inspiration and information to professionals and amateurs worldwide through his extensive writings, entertaining lectures, and personal contacts. As many of you are aware Gene has what may be terminal cancer--the loss of his job is not helping his health. I might add that out of 90 sitting managers at the time of the rifs only 1 was rifed. So much for cutting management and administration

in the government! Treat all of us riffees gently--this is not turning out to be one of the better years of our lives. Anyone need to hire a mineralogist--there are a lot of us available?!!

OK--back to FM. This year's membership directory will soon be finalized--if you want to make any changes to your entry please send the corrections to Regina Aumente Modreski by the middle of December or it will be too late. Those of us who attended the FM social in Denver had a good time--see photo.

★ Karen Wenrich, President

## NOTES FROM THE TREASURER

### WARNING!!!

**IF YOUR MAILING LABEL HAS A 94 ON IT, THIS IS YOUR LAST NATIONAL NEWSLETTER. IF YOU ARE A CHAPTER MEMBER, PLEASE CONTACT YOUR CHAPTER'S TREASURER. IF YOU ARE A NATIONAL MEMBER, PLEASE FORWARD YOUR DUES TO ME NOT LATER THAN DECEMBER 15.**

Dues for 1996 will be due January 1 and delinquent February 1. I would appreciate your prompt payment.

Over 50 delinquent dues statements were sent to National Members but only half the members have paid their dues. It is discouraging as I firmly believe that FM has the potential to be the strongest voice in the world for the preservation of specimen



mineralogy. This potential can only be reached if we have the support of all mineral collectors including mineralogists, museum curators, and mineral dealers.

Chapters, your dues payments and up to date rosters need to be sent to me by December 15 to ensure accuracy of the new directory. Any National or Chapter members whose dues are not recorded as paid for 1995 will not be included in the directory.

★ Michael Kokinos, Treasurer

### SECRETARY'S SCRATCHINGS

Several FM members have moved and their newsletters have been returned. If readers can furnish current addresses for the following people we will send FM communications and update directory entries for:

JEFFREY NOWAK, COLUMBUS, IN 47203

GEORGE PICHON, PLAINFIELD, IN 46168

LAURIE STARKS, VANCOUVER, WA 98684

A reader from Pennsylvania noted a misinterpretation of the last issue's chapter news summary. The correct information follows.

I regret that there is an error in your report, in the recent FM Newsletter, concerning the forthcoming publication, by the FM Pennsylvania Chapter, of a manuscript by Dr. Arthur Montgomery. It has nothing whatever to do with the 1969 *Mineralogy of Pennsylvania* volume (which is still in print and available).

This publication, which will be called *Reminiscences of a Mineralogist: Introductory Mineralogy for Collectors* tells the story of how Arthur Montgomery became interested in mineralogy, back in the 1920s and went on to become a legendary collector in the 1930s before he attended graduate school and became a professor of geology at Lafayette College, from which he is retired. Dr. Montgomery has very neatly combined stories of collecting and famous localities where he collected and/or mined, such as the Harding Mine

in New Mexico, with interesting and instructive introductory mineralogy, written with collectors in mind. Maps, drawings, and interesting photographs will be included.

The book will be published in 1996 as an attractive paperback in the same style as the Pennsylvania Chapter's book by Harold Evans on copper mining in Montgomery County, Pennsylvania.

I want to thank the writer and encourage others to contribute comments and ideas about improving your newsletter.

★ Nelson Shaffer, Secretary

### CHAPTER NEWS

#### Colorado Chapter

The Colorado group enjoyed a slide lecture and field trip to the Leadville region on July 17 and 18. Ed Raines was leader of both activities.

The main activity for September was participation in the Denver Mineral show. Many FM members staffed an FM mineral identification booth, kid's corner, displays, etc. A Saturday morning FM social was attended by about two dozen members. Pete and Regina Modreski prepared a traveling FM display. Plans to submit the manuscript for the Minerals of Colorado book to the Denver Natural History Museum were finalized and efforts to assist the Museum in producing the book were planned.

#### Great Basin Chapter

The group made plans for Great Basin Mineral Symposium IV and the Clark County Mineral Fair to be held October 21 and 22 at the Clark County Heritage Museum in Henderson, Nevada. President Steve Scott called for nominations for club officers. The group will have a trip to Searles Lake in mid-October.



### Midwest Chapter

Most of the Chapter's activities involved field trips. Mike Davis arranged trips to Corydon, Indiana and Lima City, Ohio in July. A trip to Maybelle, Michigan was held in August.

The group met at the 500 Earth Sciences mineral show in Greenfield, Indiana where new member, Henry Barwood, gave a beautiful slide talk about minerals of Arkansas. A committee was appointed to nominate candidates for 1996 officers.

### Pacific Northwest Chapter

In July John and Gloria Cornish conducted a field trip to a clay pit at Twin Rivers, Washington to collect Oligocene fossils. They hosted a barbecue and showed their collections. The next day a trip to Beaver Valley and Shrine Quarry yielded zeolites and calcites.

The Sixth Annual Washington Pass clean up and collecting weekend attracted 32 members and two guests who joined FM. Secretary Cheryl Burchin arranged the effort. There was no mention of who gets to keep the hot tub, camera, and answering machine that were found in the clean up. Bob Boggs and Randy Becker guided members around the Golden Horn batholith. Collecting (with UV lamps) yielded fluorescent feldspar, zektzerite, and opaline silica at the Silver Star pullout.

The group held their 21st annual mineral symposium September 22-24 at Tacoma, Washington. The theme was classical Mineral Localities II. George Godas, Ray Lasmanis, Richard Graeme, Anthony deGoutiere, Randy Becker, and Lanny Ream presented talks. Slide and mineral competitions plus a banquet, benefit auction, and micromount seminar along with dealers, displays, trading, and swapping tall tales made this a very full and fruitful meeting.

### Pennsylvania Chapter

Chapter members participated in the Mineralogical Society of Pennsylvania Mineral Show at Quarryville in August and the Desautels Micromount Symposium in Baltimore during

September. Kathlina Nielson a student at Rutgers was awarded a grant from the chapter's Memorial Grant Fund for mineralogy studies in the Easton (Newark Campus) area. Juliet Reed exchanged publications and specimens with the National Science Museum of Tokyo during an exciting trip to Japan.

George Rambo chaired arrangements for the Phosphate Symposium to be held November 3-5 at the University of Delaware in Newark. The Fall newsletter contained a list of publications about Pennsylvania mineral collecting and information about a commercially available mineral database made by Lanny Ream.

### Southern California Chapter

The group met July 8 at the Fallbrook Mineral Museum and enjoyed a behind-the-scenes tour of the Museum of Natural History led by Pam Bruder. Bob Reynolds called for volunteers to make educational kits. Discussions were held regarding FM trying to coordinate with developers in collecting at sites under development. The old Marineland site was cited as an example. Plans were finalized for the October Mineral Symposium on October 28, at San Bernardino County Museum.

### OPERATING REGULATIONS

Included in this newsletter is the proposed complete revision of the operating regulations. The input from the directors and officers responding has been considered. Voting will take place at the general meeting in Tucson. Ballots will be included in the fourth quarter newsletter to allow voting by members not attending the general meeting.

We would appreciate hearing your comments or concerns about the proposed operating regulations. You can send them to Mike Kokinos, 4620 Doe St., Shingle Springs, CA 95682-8478.

★Jessie Hardman, Chairperson  
Mike Kokinos and Al Kidwell, Bylaw Committees



OPERATING REGULATIONS  
FRIENDS OF MINERALOGY, INC.

**OFFICIAL ADDRESS**

The principal office of FM must be located in California. It shall be the address of a California National member. The current address is designated as 4620 Doe Street, Shingle Springs, CA 95682, c/o Michael Kokinos.

**DUES**

**A. Members of Chapters**

Dues for the Chapters are set by the Chapters but \$5.00 of each member's dues shall be forwarded to the Treasurer of FM.

**B. National Members**

The dues are \$10.00.

**C.** Members delinquent during any calendar year will be dropped from National membership not later than December 1. Members dropped for nonpayment of dues may be reinstated upon payment of delinquent dues for year(s) or part years they remained on the active roll of members. Active roll means receiving the National newsletter and other benefits.

**D.** There will be no proration of dues. Chapter or individual members joining after September 30 will pay and be credited with payment of the ensuing years' dues.

**SYMPOSIA**

In conjunction with TGMS and MSA, the FM shall conduct a symposium at the Tucson Gem and Mineral Show and at other shows as directed by the Board of Directors.

**NEWSLETTER**

A quarterly newsletter shall be published and mailed by the Secretary. No advertising shall be accepted for publication. The Chapters shall furnish quarterly activity reports to the Secretary for publication. Chapter newsletters may serve as activity reports.

**CHAPTERS**

**A. Provisions for Membership (See Bylaws - Article II, Section 2)**

1. The Chapter shall conduct its affairs within the framework of the FM Bylaws and Operating Regulations and shall not conduct any activity which will jeopardize the tax status of FM.
2. The Chapter shall be responsible for the financing of its operations and activities and Chapter members solely shall be responsible for any debts incurred by the Chapter.
3. The Chapter shall not make any commitment obligating FM.
4. The financial records of the Chapter shall be audited annually and a copy of the audit report shall be sent to the Secretary and Treasurer of FM. The audit may be performed by any member of the Chapter other than the Treasurer.



5. The Chapter shall turn over to FM all Chapter records, funds and other properties in the event:
  - a. The Chapter dissolves.
  - b. The Charter is revoked.
6. The Chapter shall adopt its own Bylaws and Operating Regulations. They should be compatible with those of FM. A copy shall be on file with the Secretary of FM.
7. The Chapter shall incorporate under the laws of its state as soon as possible after the Charter is issued and shall file a copy of its Articles of Incorporation with the Secretary of FM.
8. The Chapter shall elect its own officers and appoint committees.
9. The Chapter shall conduct its own activities and projects.
10. Participation by Chapters in FM projects is the option of the Chapter.
11. The Chapter shall collect its own dues and fees and raise funds by any legal and proper means.
12. The Chapter shall file a report of activities to the Secretary of FM at intervals no longer than annual. The Secretary shall read them and forward them to the President who shall determine from them whether the Chapter is operating within FM Bylaws and Operating Regulations.
13. The Chapter shall send an annual (calendar year) complete financial report to the Secretary of FM. The Secretary shall forward such reports to the President and the Treasurer.
14. The Chapter shall report all changes in membership and addresses to the Treasurer of FM.
15. The Chapter shall make remittances of National's share of dues not later than the end of each calendar quarter. This should ensure that new members receive the National newsletter timely.

B. Revoking a Charter (See Bylaws - Article II, Section 2.D.)

1. If the President determines that a Chapter is in violation of any of the conditions of membership, he/she shall inform the Chapter in writing and request that the violation cease or that the Chapter state its reasons for believing that the determination is in error.
2. Upon receipt of a reply giving such reasons or if a reply is not received within 30 days of the mailing, the President shall inform the Executive Committee of his/her determination and the facts pertaining to this determination together with the reply from Chapter. The Executive Committee shall consider the matter and vote on revoking the Charter.



3. The Chapter shall be advised by the President of the action taken by the Executive Committee. If a reply from the Chapter assuring compliance is not received within 30 days of the mailing or if after agreement to comply the violation recurs, the Executive Committee can direct the President to revoke the Charter.
4. The Chapter shall be notified through the liaison member (or president) by certified mail that the Charter has been revoked and that it is directed to cease all activity as a Chapter of FM. The Chapter should comply with A.5., 5.a. and b. on Page 2 of these Operating Regulations.
5. If the members fail to comply within a reasonable length of time, the President shall so inform the Executive Committee who may authorize the President to suspend the membership in FM of each member of the Chapter at the time of the revoking of the Charter until such time as the provisions of A.5., 5.a. and b. on Page 2 of these Operating Regulations are complied with.

#### APPOINTED STANDING COMMITTEES

A. Committees shall serve for one year. Chairpersons need not be members of the Board of Directors.

1. Awards Committee - The Awards Committee shall consist of the Vice President as chairperson and five judges that he/she appoints. The judges shall annually select the best articles published in the Mineralogical Record and Rocks and Minerals during the past calendar year. The Vice President shall tally the results and make the final decision. The President shall formally present \$200.00 to each magazine with recognition of the authors.
2. Membership Chairperson - The Membership Chairperson shall maintain a database of the entire membership. They are responsible for the preparation of the membership directory for printing by the Secretary. They are responsible for furnishing mailing labels as needed by the Secretary. They will work closely with the Secretary and Treasurer to ensure the accuracy of the membership database.
3. Historian - The Historian shall maintain a permanent file of important legal records and historical events of the FM.
4. Symposium Chairperson - The Symposium Chairperson shall arrange for facilities and speakers for symposiums sponsored by FM.
5. Dealers Association Committee - The Dealers Association Committee is responsible for liaison with member dealers offering special benefits to the regular membership. The Committee shall seek methods for expanding the FM Dealers Association program and shall encourage member dealers to solicit their customers to become regular FM members.
6. Mineralogical Record Publicist - The Mineralogical Record Publicist is responsible for providing an FM article in every other issue of MR.



- B. Special committees shall serve until their purpose is completed.  
Committee Chairpersons need not be members of the Board of Directors.

1. Mineral Locality Index Committee - The Committee is responsible for the preparation and publication of an index of important mineral localities for each state of the U.S. It will also make recommendations for the compilation of these indices into a single volume in a uniform format for ultimate publication by FM and, when this is accomplished, for extending the locality index project to include the remaining countries of the world.
2. Bylaws - The Bylaws Committee shall review and prepare for vote changes to the Articles of Incorporation, Bylaws and Operating Regulations as directed by the Board of Directors.
3. Publicity Chairperson - The Publicity Chairperson is responsible for developing ways and means for promoting FM and its objectives and thereby increase membership worldwide.
4. Public Lands - The Public Lands Committee is responsible for keeping the membership informed of potential and actual problems concerning the collecting of earth science specimens on public lands. The Committee should make recommendations to the membership on methods to protect collecting.

#### EXECUTIVE COMMITTEE

- A
1. President - Preside over all directors and membership meetings, arrange the logistics for the meetings, prepare agendas, and make appropriate notification of the meetings.  
  
Present the annual Rocks and Minerals and Mineralogical Record best paper award at the TG&MS show.  
  
Write a column for all issues of the newsletter and proof the newsletter for compliance with the Bylaws and Operating Regulations.  
  
Ensure Committees and Officers are carrying out their assigned responsibilities.  
  
Perform as required other duties including those specified in these Operating Regulations or the Bylaws.
  2. Vice President - Responsible for the selection of the best paper awards and the acknowledgement to the authors.  
  
Act for the President as delegated or required.
  3. Secretary - The Secretary shall record the minutes of all meetings.  
  
Work closely with the Chapters, Committees and Officers to obtain articles for the newsletter.  
  
Assemble and mail the quarterly newsletter. Work with the Membership Chairperson to ensure the accuracy of mailing labels.  
  
Ensure that the Bylaws and Operating Regulations are kept current.

4. Treasurer - The Treasurer shall maintain the financial books, records and bank accounts of FM.

Maintain a record of Chapter members which includes the name, Chapter and last year dues was paid.

Maintain a record of National members which includes the name, address and last year dues was paid.

Send billings to delinquent National members.

Work closely with the Treasurer and Membership Chairperson to ensure the accuracy of the membership database.

Arrange for the annual audit of the financial records.

Send letters of welcome, badges and directories to new National members. Answer membership inquiry letters received.

Write articles for the quarterly newsletter.

At least twice a year confirm the dues paid status with each Chapter's Secretary or Treasurer.

Responsible for badges including shipping and billings to chapters.

#### PROXIES

Proxies for the annual general meeting shall be published in the fourth quarter newsletter. The format will be developed by the Secretary. It shall provide authority for a specific member or the board of directors to vote the proxy. The proxy shall include an opportunity to vote on specific issues that, at the mailing of the newsletter, are known to be on the agenda. This includes voting for the Board of Directors.



## 1996 FM-MSA-TGMS-FMS Mineralogical Symposium

The 17th Joint Mineralogical Symposium, this year cosponsored by the Friends of Mineralogy, Mineralogical Society of America, Tucson Gem and Mineral Society, and Fluorescent Mineral Society, will take place on Saturday, February 10, 1996, at the Tucson Gem and Mineral Show. The theme is "Fluorescence and Luminescence of Minerals." It will be held in the Copper Ballroom at the Tucson Convention Center, 10 a.m.-noon and 1-5 p.m. The symposium, in conformance with the objectives of FM, combines papers on descriptive and locality-oriented topics, with research reports dealing with activators in fluorescent minerals, cathodoluminescence, and the use of modern instrumentation to study luminescence in minerals. Mineral luminescence is an area of mineralogy that has tended not to receive nearly the attention that it merits, especially among collectors. The FM and FMS jointly hope that this symposium will help to generate more interest in this fascinating and scientifically useful field. The symposium is open to all show attendees without charge; no special registration is required.

A special feature of the symposium will be the demonstration of mineral fluorescence excited by an ultraviolet (193 nm) excimer laser, brought to Tucson specially for this purpose by Dr. W. R. L. Clements of MPB Technologies, Inc., Dorval, Quebec. When used to irradiate minerals and gems, an ultraviolet laser may produce much more brilliant and more distinctive colors of fluorescence as compared to a conventional shortwave or longwave UV lamp, because of its greater intensity, and the ability to operate at a shorter (more energetic) wavelength than conventional UV lamps. Reports of the fluorescence of minerals excited by such a laser are almost unknown, and the phenomena observed firsthand during this demonstration may be among the first to be seen anywhere. The demonstration of this laser at the symposium is being cosponsored by the Optical Sciences Center of the University of Arizona and the Arizona Optics Industry Association, as well as MPB Technologies, Inc.

Calcite is the featured mineral of the 1996 Tucson Show; the fluorescence of minerals is a subsidiary theme. In addition to calcite displays and competition, there will be a special section of exhibits of fluorescent minerals, sponsored by the Fluorescent Mineral Society. Within a darkened exhibit area, some 70 cases will contain outstanding fluorescent specimens from worldwide localities, assembled for this year's show and from both public and private collections. All show visitors are invited so be sure not to miss these displays.

Back row:

Karen Wenrich

Art Soregaroli

?

Tom Ames

Howard Backman

Paul Hlava

Gene Reynolds

Front row:

Eunice York

Mike Groben

John Sinkankas

Marjorie Sinkankas

Jim Hurlbut

Pete Modreski

Sam Rosenblum



Fm members at Denver Show



Schedule, 17th Annual Tucson Mineralogical Symposium  
Fluorescence and Luminescence of Minerals  
Saturday, February 10, 1996

Sponsored by Friends of Mineralogy, Mineralogical Society of America,  
Tucson Gem and Mineral Society, and Fluorescent Mineral Society

- 10:00 am Introductory remarks, Peter J. Modreski and Glenn A. Waychunas, co-chairs.  
10:10 Luminescence zoning in minerals: a phenomenon of beauty and illumination.  
John Rakovan\* and Richard J. Reader, State University of New York  
10:30 Fluorescent minerals - some answers, questions, and enigmas. Peter J. Modreski, U.S.  
Geological Survey, Denver, Colorado  
10:50 Single color and multicolor fluorescence in calcite. Manuel Robbins, Cherry Hill, New Jersey  
11:10 Luminescence mechanisms and activators in Terlingua-type calcite, and in benitoite and  
related silicate minerals. Glenn A. Waychunas, Stanford University, Center for Materials  
Research  
11:30 The influence of heating on the luminescence emission of calcite. Roger A. Mason, Memorial  
University, Newfoundland
- 11:50-12:00 Discussion  
12:00-1:00 Lunch break
- 1:00 pm Uranium-activated fluorescence in minerals of the Franklin-Sterling Hill area, Sussex County,  
New Jersey. Richard Bostwick, SPEX Industries, Metuchen, New Jersey  
1:20 Fluorescent minerals of the Karnes uranium district, south Texas. Alan J. Cherepon, Cedar  
Park, Texas  
1:40 The fluorescent characteristics of coal; a petrological, chemical, and technical perspective.  
Stephen L. Bend, University of Regina, Regina, Saskatchewan  
2:00 Cathodoluminescence in the study of rocks and minerals. Henry L. Barwood, Indiana  
Geological Survey, Bloomington, Indiana
- 2:20-2:30 Discussion
- 2:30 Activators for cathodoluminescence in minerals. Anthony N. Mariano, Carlisle,  
Massachusetts  
2:50 Cathodoluminescence of charoite and associated minerals. Barbara Dutrow\* and Darrell J.  
Henry, Louisiana State University, Baton Rouge, Louisiana  
3:10 Illuminating gems with visible monochromatic lasers: what can it do for the gemologist?  
Brigitte Wopenka, John J. Freeman, and Jill D. Pasteris\*, Washington University, St. Louis,  
Missouri.  
3:30 A combined microscope fluorescence spectrometer system for mineralogical and gemological  
applications. Jan Kihle\*, Institutt for Energiteknikk, Kjeller, Norway, and John R. Gilchrist,  
Edinburgh Analytical Instruments
- 3:50-4:00 Discussion
- 4:00 pm Live demonstration: Fluorescence in minerals excited by a 193 nm ArF excimer laser.  
Wallace R. L. Clements, MPB Technologies, Inc., Dorval, Quebec

\*speaker



# Tucson Gem & Mineral Show



**February 8 - 11, 1996**  
**Tucson Convention Center**

*Downtown Tucson • South Granada Avenue Entrance*

## **Spectacular Exhibits**

Minerals, gems, jewelry, lapidary, dinosaurs and other fossils, from the world's finest museums and private collections.

## **Programs and Lectures**

Given by eminent curators, mineralogists and hobbyists on minerals and collecting, junior mineral collecting, mineral photography, and the featured mineral, calcite.

## **Competitive Exhibits**

Open to all. Special trophies are: the Paul Desautels Trophy for the "best minerals in the Show"; Lidstrom Memorial Trophy for the best single specimen in competition; and the Neal Yedlin Memorial Trophy for the best micromount display. Junior, Novice, Advanced and Master classes for minerals, fossils and lapidary. Best of Species - **Calcite**. Write for information on Competitive Exhibit Rules.

## **Meetings and Symposia**

- Dr. Arthur Roe Memorial Micromount Symposium
- Micromineral Trading Room • Photography Seminar
- Meet the Authors' Hour • Great Saturday Night Program
- Symposium on Calcite and Fluorescent Minerals - sponsored by Friends on Mineralogy, Mineralogical Society of America and Tucson Gem & Mineral Society

## **Retail Mineral Dealers**

Offer superb selections of the finest available specimens for beginning and advanced collectors.

## **Junior Education Table**

The kids will love it! Open Friday afternoon through the close of the show on Sunday. Members of the Society of Earth Science Students from the U of A will demonstrate simple identification methods. Children get a "hands on" experience, and mineral samples to take home.

## **Lapidary, Gem, Jewelry, Fossil and Equipment Dealers**

Select from large stocks of gem, gem and cutting rough, jewelry and jewelry findings, and lapidary supplies.

## **Publishers and Literature Dealers**

Leading trade publishers, mineral and hobby literature, historic books and artifacts.

## **Fluorescent Room**

In honor of its 25th anniversary, the Fluorescent Mineral Society is sponsoring an exhibit of world class minerals. Come see these beautiful specimens and explore the phenomenon of fluorescence! Seminars will also be offered.

## **Wholesale Room**

Entry limited to bona fide wholesale buyers in mineral, gem, fossil and lapidary fields. Registration at door only. Admission ticket required.

## **Demonstrating Artisans**

## **Show Poster Featuring Calcite**

## **Show Hours**

Thurs. & Fri., Feb. 8 - 9: 10am - 7pm

Sat., Feb. 10: 10am - 6:30pm Sun., Feb. 11: 10am - 5pm

## **Admission**

\$5.00 per day. Children 14 yrs. and under FREE WITH PAYING ADULT. Tickets at all TCC outlets.

## **New in 1997**

Featured mineral Group - Copper Minerals

Featured Locality - Minerals of Arizona

## **Tucson Gem & Mineral Society**

## **Show Committee**

P.O. Box 42543 Tucson, Arizona 85733

(520)322-5773 • Fax (520)322-6031





**FM Newsletter**

**Published Quarterly By:** Friends of Mineralogy, Inc., affiliated with the *Mineralogical Record*.

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**Editor:** Nelson Shaffer, Secretary, FM

530 Cabot Ct., Bloomington, IN 47408

**Friends of Mineralogy, Inc.  
1995 Officers**

Elected board meeting, Tucson, AZ, February

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63 S. Devinney St., Golden, CO 80401

303-278-1574, FAX: 303-278-1218

**Vice President** ■ Richard W. Thomssen

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

702-246-3711

**Secretary** ■ Nelson Shaffer

530 Cabot Ct., Bloomington, IN 47408

812-855-2687, FAX: 812-855-2862

**Treasurer** ■ Michael Kokinos

4620 Doe St., Shingle Springs, CA 95682

916-677-9333

**Board of Directors**

Until February 1996

**Arlene Handley** ■ 800 NW 72nd Street, Vancouver, WA 98665

**Michael Kokinos** ■ 4620 Doe St., Shingle Springs, CA 95682

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

**Arthur Smith** ■ 9118 Concho, Houston, TX 77036

**Nelson Shaffer** ■ 530 Cabot Ct., Bloomington, IN 47408

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

**Nelson Shaffer** ■ Secretary, FM  
530 Cabot Court ■ Bloomington, IN 47408

Address Correction Requested

**Until February 1997**

**Joel Bartsch** ■ One Hermann Center, Houston, TX 77030

**Beau Gordon** ■ PO Box 6214, Rome, GA 30164

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

**Van King** ■ PO Box 90888, Rochester, NY 14609

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

**Karen J. Wenrich** ■ 63 S. Devinney St., Golden, CO 80401

**Until February 1998**

**Joe Marty** ■ 3457 Silver Oak Rd., Salt Lake City, UT 84108-1647

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**Peter Modreski** ■ 8075 W Fremont Dr., Littleton, CO 80123-4315

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**Credo Schwab** ■ 4701 W San Rafael St., Tampa, FL 33629-5507

**Andrew Sicree** ■ 122 Steidle Bldg., University Park, PA 16802

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**Colorado** ■ J. F. Hurlbut 622 Gardenia Ct., Golden, CO 80401

**Great Basin** ■ S. Scott 5690 Park St, Las Vegas, NV 89129

**Midwest** ■ F. W. Lewis, 137 Audubon, Carmel, IN 46032

**Pacific Northwest** ■ John Cornish 40 Cedar Glen Lane, Port Angeles, WA 98362

**Pennsylvania** ■ R. Bounds 3125 Stamford Dr., Newark, DE 19711

**Southern California** ■ R. Gundry Box 9844, Moreno Valley, CA 92552

**Affiliations**

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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

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