

PRESIDENT'S MESSAGE

As my last two years as president of Friends of Mineralogy comes to a close, I want to thank several people for their important contributions.

Secretary Art Smith has managed to put out a consistently outstanding Newsletter, in spite of limited input from members and local chapters.

Treasurer Dick Thomssen has placed our financial collection and accounting on a sound basis, which is no small job considering our widely spread membership. Dick also assembled and distributed our 1990-91 Directory.

Vice-President Arlene Handley has been in charge of committees to select the best paper published in the Mineralogical Record for the past two years, and for the last year the best paper to appear in Rocks and Minerals.

Past President Marcelle Weber has been our very effective mouthpiece in reporting important information about F.M. activities through the Mineralogical Record.

The annual Mineralogical Symposium, jointly sponsored by F.M., T.G.M.S., and M.S.A. has become an important part of the Tucson Gem and Mineral Society Show. Last year it was very capably organized by Dr. Karen Wenrich of the U.S.G.S., and this year Dr. Carl Francis, Harvard Museum, is assembling another outstanding technical program.

Al Kidwell, President

- 1992 DUES ARE DUE -

Beginning in 1992, annual dues for national members will be \$10.00, as approved at last year's Board of Director's Meeting, and the due date is March 1. For members of local chapters, \$5.00 for each member will be submitted by the Chapter Treasurer to the National Treasurer, Dick Thomssen, P.O. Bo 1656, Carson City, NV 89702.

- ANNUAL MEETING OF FM MEMBERS -

The 22nd Annual Meeting of Friends of Mineralogy will be held at 4:30 PM on Saturday, February 15, in a room to be announced in the Tucson Show Program. Activities of the past year and actions taken by the Board of Directors will be presented. PLEASE - We are counting on each chapter having a representative present to give a report on their activities of the past year.

What's New In Colorado Minerals ?

by Bryan K. Lees

Sweet Home Mine

This may be the historic Home Sweet Home Mine, located in Alma, Colorado, was reopened and underwent a complete rehabilitation program. In order to meet today's stringent State and Federal laws, a complete mine renovation had to be performed before crystal mining could take place. This included the installation of a new portal, ventilation system, compressed air and water lines, emergency communications system, air and water testing program, mine crew safety program, air compressor, new electrical service, miner refuge chamber and a dozen other sundry things including the remodeling of mine-site buildings to meet fire codes.

After compliance with regulations, several other things had to be accomplished in order to get to the rhodochrosites. First, a complete, full-time mine crew was hired (5 people). Then we went to work widening the tunnels and removing the railroad system. This was done so that we could bring in a rubber-tired low profile front-end loader to remove rock waste. Following all of this preliminary work, we could finally get down to the task at hand: FIND RHODOS!

"Finding Rhodos" proved to be the most interesting challenge. Every area of the mine was carefully studied and evaluated for rhodo potential. The evaluation phase included several small drifts, or tunnels, into areas that showed promise. During this phase, we studied six areas throughout the mine and settled on three targets for further consideration. One of these targets was already worked extensively in the past and produced now-famous specimens such as the Bancroft specimen and the pieces in the Dever Museum of Natural History.

Much geological, geophysical, geochemical, and survey work is currently underway. These will help us develop a paragenetic model, mine map, and geologic map to isolate other potential mining areas.

Mine rehabilitation work took most of the first season. However, during the past several weeks, as our targets were delineated, some pockets were discovered. Included in the discoveries were large tetrahedrites (to 1.5 inches), apatites (to 3/8 inch), nice blue-purple cubic fluorites (to 3/4 inch), beautiful dodecahedral fluorites (to 1 inch), bournites (to 1 inch), topaz crystals (micros), huebnerites (to 1-1/2 inches, flat-lying) and, of course, some fine rhodochrosite crystals.

Our discoveries thus far have encouraged us to continue. The project will last through next year when we hope to find quantities of rhodochrosite capable of returning the investment required to hunt them. from Colorado Chapter Nov. Newsletter

NEW CHAPTER OFFICERS

PACIFIC NORTHWEST:

President: John Lindell
Vice-President: Mike Groben
Secretary: Ray Lasmanis
Treasurer: Cheryl Stewart

INDIANA:

President: Hal Roepke
1st Vice-President: Rich Eddy
2nd Vice-President: Sylvia Sicree
Sec.-Treas.: Ron Richards

COLORADO:

President: Pete Modreski
Vice-President: Roger Bennett
Secretary: Carol Smith
Treasurer: Eunice York

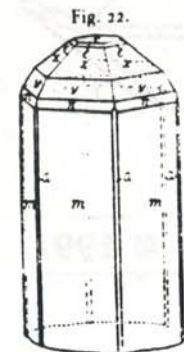


Fig. 22.

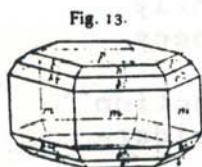


Fig. 13.



Fig. 5.

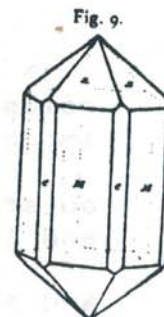


Fig. 9.

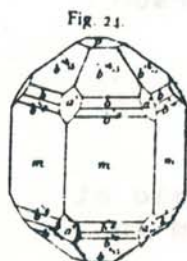


Fig. 21.

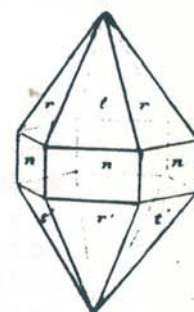


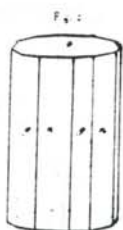
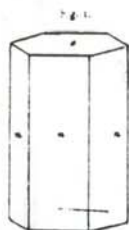
Fig. 4.

1992 NOMINEES FOR MEMBERS OF THE F.M. BOARD OF DIRECTORS

PATRICIA BARKER (P.O. Box 810 Bog Road, Campton, NH 03223). Pat graduated with a geology degree from the University of New Hampshire and has been a journalist and is a writer on mineralogical, travel, and nature subjects. With her husband, Colonel Robert R. Barker, she has traveled to 33 countries. An avid field collector all her life, she also collects mineral oriented books and post cards. She has held the office of president and secretary of Micromounters of New England; also the Lynn Mineral Club of Massachusetts and is a charter member of F.M.

SOME PYROMORPHITE LOCALITIES OF THE WORLD

- ARGENTINA - Santa Cruz mine and San Ignacio mine, Cordoba;
also El Guaico lead district, Juan Chiquito and Ana
Maria mines, Las Heras Mendoza; San Antonio, Rio Negro.
- AUSTRALIA - New South Wales, *Broken Hill. Also Grenfell,
Bathurst, Sugar-loaf Hill near Wellington, Mitchell's
Creek, Silverdale near Browning.
- Northern, Rum Jungle and Brown's deposit.
- Queensland, Mount Isa.
- Tasmania, Dundas and Zeehan areas.
- South, Flinders Ranges, Avondale lead mine, British
Empire mine, Egmont mine, Eukaby lead mines, and Wepowie.
- Western, Halls Creek, Kimberly; Braeside; Mosquito
Creek; Mt. Alexander; Mt. Amy; Uaroo; Narra Mur; and Whim
Creek and Mons Cupri.
- ALGERIA - Djebel Mahseur.
- BOLIVIA - Llallagua.
- BRAZIL - Bahia, Boquirá mine.
- CANADA - British Columbia, *Society Girl, Moyie & Oxide claims.
- New Brunswick, Brunswick No. 6 mine.
- Quebec, Mont St. Hilaire.
- Yukon Territory, Keno Hill-Sourdough Hills area, Mayo.
- CHINA - *Guangxi.
- CZECHOSLOVAKIA - Olovi (Bleistadt); Stribo (Mies); Příbram;
Banská Štiavnica (Schemnitz, Selmecsbánya).
- FRANCE - Brittany, Poullaouen in Finstre and *Huelgoat;
*Correze-Ussel, La Farges; Steinbach, Elsas; Isere,
Chaillac; Nièvre, Alligny En Mor-von; *Puy-de-Dôme; Rhone
Nussière and Pontigibaud; St. Salvy; Vosges, Croix-aux-
mines.
- GERMANY - Frankfurt, Johanette mine
- Harz, Clausthal-Zellerfeld and Glücksrad mine,
Oberschulenberg.
- Oberpfalz, Freyhung.
- Odenwald, Reichenbach, Hohenstein.
- Rheinland, Okautenbach mine, Bernkastel an der Mosel;
Mercur mine; Braubach; Rosenberg mine; *Friedrichsseggen
mine, Bad Ems; Shöne mine, Dernbach.
- Südschwarzwald, Badenweiler; Schauninsland;
Katzensteig bei St. Wilhelm; Neue Hoffnung mine,
Steinbachle bei St. Blasien.
- Nordschwarzwald, Clara mine bei oberwolfach; Michael
mine im Weiler bei Lahr; Fried Christia and Herrenseggen
mines in Wildschapbachtal.
- Siegerland, Wilnsdorf, Marie mine.
- Saxony, Freiberg District and Schneeberg; Zschopau.
- Tanus, Mehlbach bei Weilmünster; Langhecke bei
Villmar, Phillipseck bei Münster, Alte Kaiser and Anna
mines bei Friedrichsthal, Jeanette bei Kransberg;
Eisenbach bei Camberg.
- GREAT BRITAIN - England, *Cornwall; Cumberland, Caldbeck Fells
and Roughten Gill; Cumbria, Lake District, Driggith mine;
Derbyshire, Bonsall Moor, Brassington, Wirksworth, Masson
Hill, and Youghreave; Devon, Beeralston; Durham,
Netherdale and Allendale; Shropshire, Burgam mine;
Yorkshire, Grassington.
- Scotland, Leadhills, Lanarkshire; Argyleshire;
Leadhills, Wanlockhead district.
- Wales, North Wales, Devil's Bridge; Dyfed,
Bwch Glas mine.
- IRELAND - Glenmalur, County Wicklow; Lord Londonderry's Park,
County Derry; Istand of Sark.
- ITALY - Nella Alpine region, Monte Falo; Gennamari and Sarrabus,
Sardinia; South Tirol, Rabenstein fluorite mine, Sarntal
and Brantental.
- MEXICO - Baja California, San Antonio, El Triunfo and San
Antonio; Mulege, Santa Rosalia.
- Chihuahua, Santa Eulalia district, Aquiles Serdán;
Camargo, Sierra de los Enchinillas, Guazapares, San Jose;
Los Lamentos.
- Durango, Mapimi, Ojuela mine.
- Hidalgo, Pachuca, Pachuca de Soto; Zimapan, Guadalupe &
Delores mines.
- San Luis Potosi, Guadalcázar, La Paz mine.
- Sonora, Cerro Prieto, Cucurpe.



Huelgoat, Britany
France



Pyromorphite

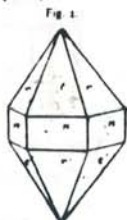
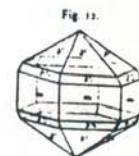
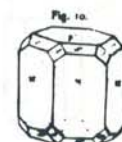
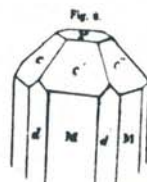


Fig. 6



Berezov, Urals

U.S.S.R



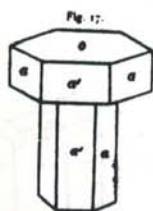
Nertschink, Ural
U.S.S.R

Fig. 14



Stribo
(Mies)
Czech.

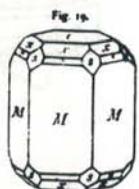
Pyromorphite



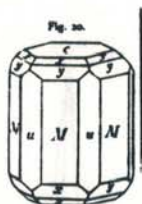
Leadhills
Scotland



Friedrichsseggen mine
Bad Ems, Rheinland
Germany



Nertschink, Urala
U.S.S.R.

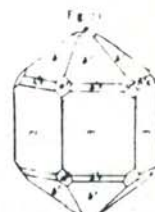


- Zacatecas, Mazapil.
- MOROCCO - Oujda, Touissit mine.
- NAMIBIA - Tsumeb
- NEW CALEDONIA, Meretrice mine.
- NEW ZEALAND - Te Aroha, Tui mine; Waitekauri, Grace Darling mine; Nelson, Aniseed Valley.
- PERU - Tarma, Yauli and Marcapomacocha district.
- ROMANIA - Transylvania, Rosia Montana, particularly Anna and Jacobi mine.
- SOUTH AFRICA - Transvaal, Kaffirskraaz Zeerust and Argent.
- SPAIN - Ciudad Real, *Horcajo and Almodovar.
- UNITED STATES - Arizona, Cochise Co., Bisbee and Tombstone; Gila Co., C & B and 79 mines; Maricopa Co., Tonopah-Belmont mine; Pinal Co., Tiger; Pima Co.; Santa Cruz Co., Hardshell mine; Yavapai Co., Bradshaw Mtns and Vulture Dst; Yuma County.
 - Arkansas, Independence & Marion Counties zinc mines.
 - California, Calaveras Co., Reliance mine; El Dorado Co., Mosquito Gulch; Inyo Co. Cero Gordo & Darwin; Mariposa Co., Coulterville; Mono Co., Mono Lake & Blind Spring dist.; Nevada Co., Rocky Glen mine; Riverside Co., Crestmore; San Bernardino County, Vanadium King mine; Tulare Co., Mineral King dist.
 - Colorado, Clear Creek Co., Georgetown & Idaho Springs dists.; Gunnison Co., Gold Brick dist.; Lake Co., *Leadville; Mineral Co., Creede, Amethyst vein.
 - Connecticut, Bristol; Brookfield; Thomaston Dam and Route 23 cut, Trumbull.
 - Georgia, Cherokee County, Canton mine; Gwinnett Co., Piedmont mine; Lincoln Co., Magruder mine; Lumpkin Co. Singleton & Battle Branch mines; McDuffie Co., Columbia, Landers & Parks gold mines.
 - Idaho, Blaine Co., Eureka mine; Boise Co., Deadwood dst.; Butte Co., Pandora mine; Cassia County, Connor Creek Valley; Clark Co., Scott mine; Idaho Co., Dixie dist.; Lemhi Co., Mineral Hill, Texas, Edorado districts & Virginia mine; Shoshone Co., *Coeur d'Alene District, Burke, Mace, Mullan Murray, Osburn, Pine Creek, Wardner.
 - Maine, Lubec and Lenox.
 - Massachusetts - Hampshire County, Easthampton and Southampton.
 - Montana - Silver Bow County, Butte.
 - New Hampshire, Carroll Co., Madison Lead mine.
 - New Jersey, Sussex Co., Sterling Hill.
 - New Mexico, Bernalillo Co., Tijeras Canyon dist.; Dona Ana Co., Stevenson-Bennett mine; Grant County, Central District; Sierra Co., Caballo Mtns.
 - New York, Westchester Co., Sparta Copper mine.
 - North Carolina, Cabarrus Co., Troutman & McMakin mines; Caldwell Co., Baker and Miller mines; Lee County, Clegg mine; Davidson Co., Silver Valley mine; Union Co., Stewart mine.
 - Pennsylvania, Bucks Co., New Galena; Chester County, *Phoenixville, Wheatley, Charlestown, & Morris mines; Montgomery Co., *Ecton and Perkiomen mines.
 - South Dakota, Lawrence County, Carbonate & Galena.
 - Utah, Iron Co., Escalante dist.; Juab Co., Spring Creek & Tintic dists.; Summit Co., Park City dist., Toole Co., Gold Hill, Rush Valley, & N. Tintic dists.; Wasatch Co., Blue Ledge & Snake Creek dists.
 - Virginia, Albemarle Co., Faber; Amelia Co., Rutherford #2 mine; Buckingham Co., Buckingham, London, & Virginia mine; Fluvanna Co., Snead mine; Goochland Co., Moss mine; Mecklenburg Co., Hamme Tungsten district.
 - Washington, Stevens Co., Cleveland and Eagle mines.
- U.S.S.R. - Urals, Nertschinsk; Berezov (Beresov, Beresovsk) gold district near Sverdlovsk (Ekaterinberg).
- ZAIRE - Mindouli
- ZAMBIA - *Broken Hill.

* noted specimen producers.



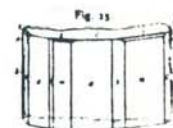
British Columbia
Canada



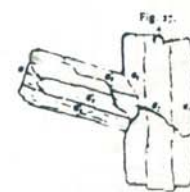
Mindouli
Zaire



Meretrice mine
New Caledonia



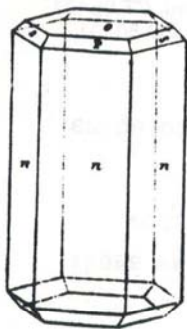
Bad Ems, Rheinland
Germany



Friedrichsseggen mine
Bad Ems, Rheinland
Germany

STEVE C. CHAMBERLAIN (105 Academy St., Manlius, NY 13104). Steve is Professor and Chairman of Bioengineering at Syracuse University. He is co-chairman of the Rochester Mineralogical Symposium, a consulting editor of Rocks and Minerals, and an abstractor for Mineralogical Abstracts. Steve is an active field collector, researcher, author, and photographer specializing in regional mineralogy and mineral biogenesis. He has been collecting minerals for 31 years and is a member of the Mineralogical Association of Canada.

Fig. 6.



MARIE HUISING (5341 Thrasher Drive, Cincinnati, OH 45241). Marie is managing editor of Rocks and Minerals magazine and has been an active member of the Cincinnati Mineral Society for the past 30 years serving as newsletter editor for 16 years and on the show committee since its inception, also P.R. Chairman of the American Federation of Mineralogical Societies.

ANTHONY KAMPF (12923 Warren Avenue, Los Angeles, CA 90066). Tony received his Ph.D. in Mineralogy from the University of Chicago. He joined the Natural History Museum of Los Angeles County as Assistant Curator in the Mineralogical Section in 1977, and has been curator and section head since 1980, Director of F.M. since 1980 and has served as vice-president and president. He helped organize the California Chapter of F.M. and has served as its vice-president and president. He is also a member of the Board of Directors of the Mineralogical Record and has worked on the index.

ALBERT KIDWELL (14403 Carolcrest, Houston, TX 77079). Al received his Ph.D. in geology from the University of Chicago and was a geologist with the Missouri Geological Survey for three years and retired as a research geologist for Exxon Production Research Company. He has been a mineral collector for more than 50 years and the mineral "kidwellite" was named for him. He is a Fellow, Mineralogical Society of America, past president of Rocky Mountain Federation of Mineral Societies, a charter F.M. member, and current F.M. president.

PETER J. MODRESKI (8075 West Fremont Dr., Littleton, CO 80123). Pete is a geochemist with the U.S.G.S., Denver, Colorado. He has a Ph.D. in Geochemistry from Penn State. He is a past vice-president, president and secretary and has been serving as a director since 1977. Pete is also a member of the Mineralogical Society of America, The Geological Society of America, the Fluorescent Mineral Society, the Littleton Gem and Mineral Club. He is currently president of the Colorado F.M. Chapter and is conducting the preparation of the F.M. Mineral Locality Index.

Fig. 10.

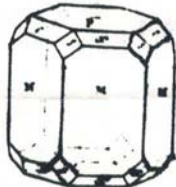


Fig. 14.



Fig. 7.



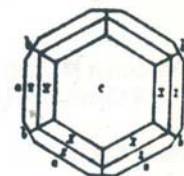
Fig. 11.



Fig. 15.



Fig. 18.



1991 BALLOT FOR ELECTION OF F.M. BOARD MEMBERS OF DIRECTORS

Six Directors will be elected from the following highly qualified candidates. Please vote with a check mark or an "X" next to the names of the candidates of your choice. Spaces are provided for write in votes.

- This ballot may be duplicated -

Return to the F.M. Secretary: Art Smith, 9118 Concho, Houston, TX 77036 by February 10, 1992.

The results will be announced at the annual F.M. meeting in Tucson on Saturday, February 15, 1992.

- | | |
|--|---|
| <input type="checkbox"/> Patricia Barker | <input type="checkbox"/> Steven Chamberlain |
| <input type="checkbox"/> Anthony Kampf | <input type="checkbox"/> Albert Kidwell |
| <input type="checkbox"/> Marie Huising | <input type="checkbox"/> Pete Modreski |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |

FM Newsletter

Published Quarterly by: Friends of Mineralogy, Inc., affiliated with the *Mineralogical record*.

Subscription: Included in annual membership fee.

Editor: Art Smith, Secretary, FM
9118 Concho, Houston, TX 77036

Letters to the Editor: All letters should be sent to The Editor at the address above.

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Friends of Mineralogy, Inc.

1991 Officers

Elected board meeting, Tucson, AZ, February 15, 1991

President ■ Al Kidwell

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

Vice President ■ Arlene Handley

800 NW 72nd Street, Vancouver, WA 98665

Secretary ■ Art Smith

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

Treasurer ■ Richard W. Thomssen

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

Board of Directors

Until February 1992

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

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

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

Al Kidwell ■ 14403 Carolcrest, Houston, TX 77079

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

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

Until February 1993

Raymond Lasmanis ■ 800 Sleater Kinney SE, Box 155, Lacey, WA 98503

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

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

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

Arlene Handley ■ 6160 Highway 99, Vancouver, WA 98665

Art Smith ■ 9118 Concho, Houston, TX 77036

Until February 1994

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

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

Bernard L. Murowchick ■ 2428 Hollingsworth Hill Ave., Lakeland, FL 33803

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

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

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

Regional Chapter Presidents

Colorado ■ Pete Modreski

8075 W. Fremont Dr., Littleton, CO 80123

Great Basin ■ T. Daugharthy

5475 E. Camino Rd., Las Vegas, NV 89118

Indiana ■ Hal Roepke

4806 W. University, Muncie, IN 47304

Pacific Northwest ■ John Lindell

25714 268th Ave SE, Ravensdale, WA 98051

Pennsylvania ■ A. Mogel

RR 1, Box 151M, Mohrsville, PA 19541

Southeast Michigan ■ (In-Active)

Southern California ■ Mike Gray

P.O. Box 1110, Venice, CA 90294

Affiliations

American Federation of Mineralogical Societies

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

The Mineralogical Record ■ Tucson, AZ

Mineralogical Society of America

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

The Mineralogical Society of Australia

c/o CSIRO Division of Mineral Chemistry

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

Fig. 20.

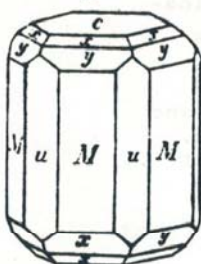


Fig. 12.

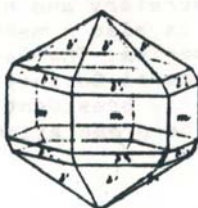
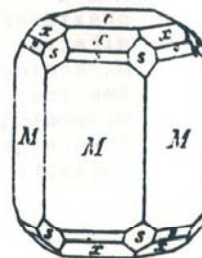


Fig. 19.



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