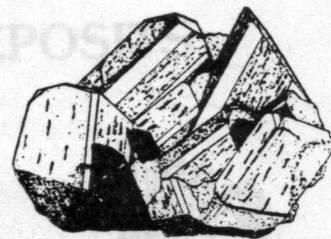


FM friends of mineralogy colorado chapter

Cosponsored by

Mineralogy, Colorado Chapter

and



MINERALOGY OF PRECIOUS METAL DEPOSITS - AUG. 12-15, 1988

FINAL ANNOUNCEMENT AND REGISTRATION FORM

Dear FM member:

Enclosed are several copies of our final announcement and registration form for the symposium on "Mineralogy of Precious Metal Deposits". Please share this announcement with other persons you know who might be interested.

The symposium will consist of two days of lecture/slide presentations, Aug. 12 and 13, and two days of (optional) field trips, Aug. 14 and 15. We feel we have arranged a wide-ranging and exciting program of talks about the minerals of gold and silver deposits, concentrating on deposits in Colorado. Keynote talks will begin each day's session: "A Review of the Types of Precious Metal Mineral Deposits" by Dr. Samuel B. Romberger on Friday, and "A Review of the Mineralogy of Gold and Silver" by Dr. Phillip C. Goodell and Kathryn Goodell on Saturday. Field trips will visit five classic areas of gold/silver mineralization. There will a banquet Friday evening, at which the featured speaker will be Jack Murphy, curator of geology at the Denver Museum of Natural History. Jack will present "Highlights of Gold and Silver Occurrences in Colorado".

Regular registration is \$25, with an additional charge for attending field trips and the banquet; there are reduced registration fees for students and for a spouse or accompanying person. To facilitate our arrangements, we would like attendees to pre-register by August 1, although people may also register in person on either Friday or Saturday, space permitting.

Although preliminary arrangements are complete, we can still use help (lots of help!) with several different aspects of the symposium. If you are willing to volunteer to work on any of the following areas, please contact either Jim Hurlbut (279-7796 office, 757-0283 home) or Pete Modreski (236-5639 office, 978-9926 home):

- Banquet
- Field trip arrangements (general, or for specific trips)
- Refreshments
- Registration (beforehand, and at the meeting)

We hope to see all of you at the symposium!

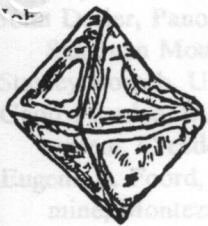
P.S. - Looking ahead, remember that the Denver Gem and Mineral Show is Sep. 16-18, with several satellite shows opening a few days earlier. As a member of the Denver Council, FM is one of the show's sponsoring organizations. Pete Modreski will be organizing the "free mineral identification" table as one of FM's contributions to the show. Help is needed for this, and for ticket sales and other jobs at the show--please call Pete or Regina Modreski if you can help with either the mineral i.d. or other show duties. June 23-26 is the Mile Hi Rock and Mineral Society show at Westminster Mall, 88th and Sheridan; July 23-24 is the Colorado Springs Mineralogical Society show, at the City Auditorium, 221 E. Kiowa; and August 19-21 (the weekend after our symposium) is the "Contin-Tail" rock swap/mineral sale/tailgating/campout in Buena Vista--always a fun event.

Denver Museum of Natural History • c/o Geology Department • City Park • Denver, Colorado 80205

MINERALOGY OF PRECIOUS METAL DEPOSITS

Cosponsored by

Friends of Mineralogy, Colorado Chapter
and
Geology Department, Colorado School of Mines



FINAL ANNOUNCEMENT AND REGISTRATION FORM

Aug. 12-15, 1988

Metals Hall, Green Center (between 15th and 16th Streets)
Colorado School of Mines Campus, Golden, Colorado

- PAID
- | | |
|---------------|--|
| Fri., Aug. 12 | Program 8:30-5:00 (registration 7:45-8:30 a.m.) |
| Fri., Aug. 12 | Banquet 7:00 p.m. (social hour 6:00-7:00 p.m.) |
| Sat., Aug. 13 | Program 8:30-5:00 (registration 8:00-8:30 a.m.) |
| Sun., Aug. 14 | Field trips #1, #2, #3 (depart Golden 7:30 a.m.) |
| Mon., Aug. 15 | Field trips #4, #5 (depart Golden 7:30 a.m.) |

The symposium will emphasize the mineralogy of gold and silver deposits in the State of Colorado. It is sponsored to advance the study of mineralogy and to foster the exchange of information between professionals and amateurs. Papers will range from general and descriptive, or historical, to technical; a volume of abstracts or short texts of all papers, plus field trip guides, will be distributed to registrants at the symposium. Regular registration is \$25.

SYMPOSIUM BANQUET will be held Friday evening at the Rock Rest Inn, 16000 S. Golden Road, Golden. Dinner will be a buffet featuring Baron of Beef, Baked Ham, plus innumerable delicacies. High point of the evening will be Jack A. Murphy, Curator of Geology, Denver Museum of Natural History, who will speak on "Highlights of Gold and Silver Occurrences in Colorado". Cost of the banquet is \$15; advance registration (by Aug. 7) is required.

FIELD TRIPS: Five one-day field trips are planned, to be held on Sunday, Aug. 14, and Monday, Aug. 15. Each will include a geologic overview of the trip area, visits to one or more active or inactive mine sites, and some opportunity to collect minerals and ore specimens. Transportation for the trips will be provided by bus or other suitable vehicles; trips will leave the School of Mines Campus at 7:30 a.m. and return by approximately 7:00 p.m. Additional information on the field trips will be available at the symposium. Each trip will be limited to 40 persons, based on the first to sign up; cost is \$15. Information for self-guided trips to other sites of mineralogical and geological interest will be made available as an alternative to the organized field trips.

Trip #1 Sun. Aug. 14 - Leadville area

Trip #2 Sun. Aug. 14 - Cripple Creek area

Trip #3 Sun. Aug. 14 - Boulder Co./Caribou/Gold Hill

Trip #4 Mon. Aug. 15 - Central City area

Trip #5 Mon. Aug. 15 - Mosquito Gulch/London mine/Alma

For additional information contact Jim Hurlbut, (303) 279-7796 or 757-0283; Pete Modreski, U.S. Geological Survey, (303) 236-5630; or the Geology Department, Colorado School of Mines, (303) 273-3800.

MINERALOGY OF PRECIOUS METAL DEPOSITS - PROGRAM OF SPEAKERS

Friday, Aug. 12

- Samuel B. Romberger, Colorado School of Mines: A review of the types of precious metal mineral deposits.
[keynote address]
- John Dreier, Panorama Resources, Ltd.: Metal and mineral zoning in the Silverton district, southwest San Juan Mountains, Colorado.
- Stanley Korzeb, U.S. Bureau of Mines: Geology and mineralogy of the Galena district, Lake City, Colorado.
- Geoff Plumlee, U.S. Geological Survey: Timing, zoning, and genesis of silver minerals along the Bulldog Mountain vein system, Creede, Colorado.
- Eugene E. Foord, U.S. Geological Survey: Tellurian canfieldite from Leadville and a lillianite homologue from the Wombat mine, Montezuma district, Colorado.
- Demetrius Pohl, American Museum of Natural History, and David W. Beaty, Canyon Resources Corp.: A native tellurium/gold-silver-lead telluride assemblage from the Leadville area.
- Miles L. Silberman, U.S. Geological Survey, and Charles W. Chesterman, California Academy of Sciences: Hydrothermal adularia in the Bodie mining district, Mono County, California.
- Jeffrey P. Kurtz, University of Colorado: Roscoelite in Colorado telluride ores.
- Bruce Geller, University of Colorado: Mineral distributions in the Gold Hill mining district, Boulder County, Colorado.
- Jack A. Murphy, Denver Museum of Natural History: Highlights of Colorado gold and silver occurrences.
[banquet speaker]

Saturday, Aug. 13

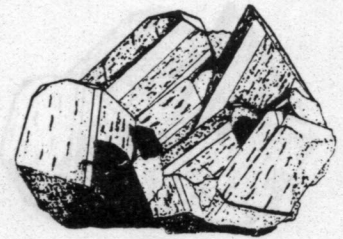
- Phillip C. Goodell, University of Texas at El Paso, and Kathryn Goodell: A review of the mineralogy of gold and silver.
[keynote address]
- Peter J. Modreski, U.S. Geological Survey: Silver content of sulfosalt minerals and galena from hydrothermal ore deposits in Peru, Colorado, and New Mexico.
- Paul Hlava, Sandia National Laboratories: Betekhtinite from the St. Cloud silver mine, Chloride mining district, New Mexico.
- Robert Cobban, Denver Museum of Natural History: Bismuth sulfosalts in Colorado.
- Barbara Muntyan, Boulder, Colorado: Specimen mineralogy of the Colorado San Juan Mountains.
- I. J. Gaines, Houston, Texas: Mineralogy and geology of the Creede district, Colorado.
- Daniel E. Kile and Peter J. Modreski, U.S. Geological Survey: Mineralogy of the Alice and Patch mines, Clear Creek and Gilpin Counties, Colorado.
- Arnold Hampson, Cortez, Colorado: Mineralogy of the Bessie G mine, La Plata County, Colorado.
- Tom Rosemeyer, Ouray, Colorado: Mineralogy of the Camp Bird mine.
- W. Dan Hausel, Wyoming Geological Survey: Geology and mineralogy of Wyoming's precious metal lode and placer deposits.

Poster papers (on exhibit both days)

- David W. Beaty, Canyon Resources Corp., and Gene Whitney, U.S. Geological Survey: Unusual rectorite-bearing hydrothermal alteration assemblages associated with gold-rich mantos, Buckeye Gulch, central Colorado.
- Robert Cobban, Denver Museum of Natural History: Reports of platinum metals in Colorado.
- James G. Crock, U.S. Geological Survey: Unusual crystalline forms of gold from soil placers, Livengood, Alaska.
- Barbara Erickson, U.S. Geological Survey: Gold concentrations in vegetation.
- Fred A. Kruse, University of Colorado: Multispectral remote sensing of precious metal deposits.
- Robert Perry, Canyon Resources Corp.: Geology, mineralogy, and zoning of the Buffalo Boy vein deposit, San Juan County, Colorado.

R. Thompson, Colorado School of Mines: Symposium Co-Chairman

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MINERALOGY OF PRECIOUS METAL DEPOSITS - AUG. 12-15, 1988

August 23, 1988

Dear Symposium Registrant:

We would like to thank you for your participation in the Mineralogy of Precious Metals Symposium. Total attendance at the symposium was approximately 130, and everyone seems to feel that it was a success. Enclosed is a list of the names and addresses of all the attendees. We would like to remind you that additional copies of the symposium volume are available (300 total were printed) at a cost of \$15 payable to Friends of Mineralogy.

For those of you who drove private vehicles on one or more of the field trips, a check is enclosed as reimbursement for mileage expenses out of the fees collected from field trip registrants; this is based on \$10 per registered person (including driver) carried, with a flat amount of \$20 for the shorter Central City field trip.

Thank you again for your support of the symposium.

Sincerely,

Peter J. Modreski

Peter J. Modreski,
Symposium co-chairman