



**Friends of Mineralogy - Colorado Chapter
Newsletter No. 14, October 19, 1994**

**November Meeting: 7:30 p.m. Thursday, November 10, 1994
Denver Museum of Natural History
VIP Room of the Cafeteria
(enter through employee entrance on the north)**

**Board Meeting at 6:30 before November Meeting in the
cafeteria near the VIP room.**

PROGRAM

RUBIES AND SAPPHIRES

**RICHARD W. HUGHES, AUTHOR, WILL PRESENT A PROGRAM COVERING
SOUTHEAST ASIA AND MONTANA.**

**MINERALS OF COLORADO--Our project is approaching its completion.
The Map committee, the Photography committee and the authors and
helpers have a target of late January for all work to be complete.**

The Colorado Chapter of the Friends of Mineralogy now has to
decide how to proceed to publication.

Enclosed is the Denver Museum of Natural History's preliminary
proposal that outlines in some detail their publication plans.

Please read this very carefully as we will discuss it at the Nov.
10 meeting. Our questions resulting from this discussion will
be relayed to the DMNH publications office by Jim Hurlbut as the FM
liaison person. If you have comments, suggestions or questions and
will not be at the November meeting please contact Jim Hurlbut at
home 757-0283 or office 279-7796 as soon as possible.

Based on the details mentioned in the proposal the preliminary
cost of printing the book is estimated at \$40.00 with the
list price in the \$80 to \$100 range.

Other written proposals will also be considered if submitted to the
Chapter.

DENVER MUSEUM OF NATURAL HISTORY
MEMORANDUM

October 20, 1994

TO: Friends of Mineralogy, Colorado Chapter
FROM: Betsy Armstrong, Publications Program
RE: *Minerals of Colorado*

The Denver Museum of Natural History would be pleased to publish the long-awaited revision of *Minerals of Colorado*, in coordination with Friends of Mineralogy. The Museum proposes the following:

Design and Production. The Museum will be responsible for design and production of the book to the camera-ready stage (on disk), and will oversee copyediting, proofreading, and indexing. FM will review the design of the book and jacket, and the editor's queries and proposed editorial changes.

The design will consider the need to conserve pages and also readability of the text. Final page estimates will be done upon DMNH receiving final manuscript, including bibliography; disks; all color transparencies (100-120); black and white glossy photographs (20-25); two-color maps (10); and front and back matter.

Printing. The Museum will obtain printer bids and choose the printer or printers who provide the best quality for an economical price, and who can go directly from disk to film, eliminating the need for typesetting. The Museum will bid the film and printing for the color signature with both domestic and off-shore printers.

Book Specifications. The book will be hardcover, with a sewn binding (for strength) and four-color jacket (cover image provided by FM, upon approval of DMNH).

Trim size is 8" x 10" (same size as *Mammals of Colorado*, copublished with University Press of Colorado).

Print run is estimated at 1,000-1,500, based on preliminary market assessment.

Paper for the text will be uncoated, high opacity and high bulking (number of pages per inch). Paper for the color signature will be a coated, gloss stock to best present the photographs

Manuscript Preparation. FM will provide DMNH with both disks and one hard copy: double spaced, printed one side, page-numbered, separated, 8 1/2 x 11 sheets, for copyediting. DMNH will provide authors with a manuscript preparation checklist and instructions for electronic manuscript preparation.

Schedule. The proposed schedule is as follows:

Nov. 1994-Jan. 1995	Delivery of complete manuscript on diskette and manuscript (including front matter, bibliography and appendices, and all photographs and maps)
Jan. 1996-Mar 1996	Delivery of finished books (12-14 months from receipt of all material)

Marketing. DMNH will market the book to its members, through its member newsletters and magazines, and to the general public through the Museum Shop. DMNH will contract with a distributor, which will handle marketing, publicity, sales, warehousing, order fulfillment and returns, and accounting.

List Price and Net Price. The Museum wants to set a reasonable and affordable price on this book since it's publication will be totally subsidized. DMNH would set list price at a multiple of two to three, but actual list, or retail, price will be set after DMNH receives all material from FM and reviews new printer bids based on accurate specifications. DMNH will provide this information to FM in a timely manner for FM review and consensus.

The distributor purchases or takes on consignment books from DMNH. It then sells these books for a percentage of the list price. The list price less the customer discount is the "net price." Net price is the actual money that distributors receive from a sale. The net price is split according to the publisher/distributor arrangement, which can vary from 23 to 50 percent of net. (Typically, publishers see approximately 40–50 percent of list price as their return on books sold.) DMNH will negotiate with distributors for the best percentage.

Sales to FM. FM may purchase and resell books at a pre-publication discount of 50 percent of list price.

Projected Sales. Amy Sorrels of Geoscience Press offered rough sales estimates of 300–500 in the first year, with sales of 100–200 in subsequent years.

Funding. This book will be a partnership between FM and DMNH. DMNH will work with FM, providing guidance, assistance and review of funding efforts. FM will coordinate and implement the actual writing of proposals and donor contacts. The funding will cover the cost of printing the book and associated pre-press costs: design, layout, editorial. DMNH will provide in-kind contributions of personnel (Jack Murphy, Richard Strucky, Betsy Armstrong, Development personnel for fund-raising assistance, and editorial assistant) and general overhead.

Revenue. Revenue generated by book sales will go to the Publications Program and will allow DMNH to publish additional scientific and scholarly works.

Additional printruns. If a second printrun is necessary and appropriate, DMNH will use revenue generated from sales of the first run to reprint the book. If FM chooses to make significant modifications, FM will be responsible for the additional editorial and printing costs.

Friends of Mineralogy responsibility. FM will appoint one of its members to represent the organization and work with DMNH. The representative will review and provide input and make decisions in a timely manner.

DMNH responsibility. DMNH, through its Publications Program, Collections and Research Division, and Administrative Services, will publish the book, registering the copyright in the name of DMNH, assigning the book an International Standard Book Number (ISBN) and registering it with the Library of Congress for a Catalog-in-Publication (CIP) number.

Publishing Agreement. If FM chooses to publish this book with DMNH, DMNH will write a publishing agreement that stipulates the conditions of the partnership, many of which are listed here.

THE ROCKY MOUNTAIN DIGEST

October 1994 VOLUME 15 NUMBER 6

The Rocky Mountain Digest is the single-sheet publication of the Rocky Mountain Federation of Mineralogical Societies. It is issued in the even numbered months of the year. It is mailed one copy to each member club to be reproduced with its own newsletters or read at the meeting of the club. The 20 page *Rocky Mountain News* is issued in the odd-numbered months. Three to five copies of it are sent to each member club, usually to the President, Vice President, Editor, or other designated persons to share with other club members. The *News* is a privilege of RMFMS membership and cannot be exchanged with non-RMFMS clubs by the Editor. The Editor is Ruby Lingelbach, 1116 South Gray, Stillwater, OK 74074. Subscriptions to the *Rocky Mountain News* can be ordered from the Distribution Chairmen, Bob & Mary Disney, 1980 Glen Ayr Dr., Lakewood, CO 80215. The Rocky Mountain Federation is an Educational and Non-profit organization. It is a regional member of the American Federation of Mineralogical Societies, Inc.

PRESIDENT'S MESSAGE

This is the usual time for the President's farewell address for the year. But you were all so kind that you put all the officers back in for another year. I sincerely hope it is because you liked what we were trying to do.

I would like to hear from everyone whether it is a complaint, suggestion, or a pat on the back would also be nice. Like I have said before, if there is a gripe or question that I cannot answer, we have able people in the Federation who can help us.

You will be receiving dues notices very soon and there will be a questionnaire sheet along with it. Please fill it out right away and get it back to the Treasurer. He really needs the information.

I wish to express my deep thanks to all my officers and committee chairpersons. They did a wonderful job this year. I hope we will be able to serve the Federation even better next year.

Like I said in the last notes, we had a wonderful show at Rapid City and Tom Estes and the Western Dakota Gem & Mineral members need a big pat on the back. For the rest of you,

this shows you that a club of about any size can host a Federation Show. You do not have to change your club show dates or location, and it does bring more people to your Show. We do have openings that need to be filled so please let us hear from you and call or write Tom Estes. (23773 Aero Rd., Rapid City, SD 57701 (605) 342-2147. I'm sure he will give you the lowdown on how easy it is.

—Richard Goodnough
President

PRINTING DECISIONS

At the time of this writing nothing definite has been decided, but there is a lot of dialogue going on. A decision will be made in the very near future. Bob Disney has been in the hospital, but the September *News* should have been received by the time you get this.

This Digest is again being sent, 2 copies to each club so it can be reproduced in the club's own newsletter.

Concerning the '94 *Directory*, it has been decided to not send it out at this late date. The material has been printed and most can be used for the '95 *Directory* which would have a tremendous head-start with only the updating of new club officers to be made. **This is where each**

club can help by getting its dues paid as soon as the statement is received. Please go ahead and vote on this, if you vote on this expense every year, so your payment can be made as soon as possible. Every club will be listed but if no new officers are sent by February 1, 1995 along with your club dues to Keith Price, Treasurer, the old officers will be listed. --Many times, not a desirable situation.

INSURANCE QUESTIONS

Neither the Editor nor Dan Lingelbach have received a written question about the RMFMS Insurance. So many of the Delegates indicated they did not know enough about it to vote in the affirmative. **So! WHERE ARE YOUR QUESTIONS???** They cannot be answered if they are not asked!

—Ruby Lingelbach, Editor

RS 2477: ROADS AND RIGHTS OF WAYS:

RMFMS P.L.A.C. Chairman, Dean Richardson, has sent a letter to each club about this important bill. If it is made law a lot more of our access to hunting places will be closed. The deadline was September 29. It is hoped that a great many of you sent your letters to the Department of Interior, The Honorable Bruce Babbitt, Secretary, 1949 C Street, NW, Washington, DC 20240, and your Congressmen.

Mineral Collecting: Methods and Preservation
Part II - Responsible Collecting

Daniel E. Kile

Mineralogical Technical Chairman, RMFMS

With tools properly in hand, emphasis now needs to be placed on good collecting practices. An important consideration is the necessity of careful and responsible collecting, predicated on the fact that the collector is only a temporary custodian of irreplaceable specimens, and is in a unique position of being the only one who can make the decision of what to collect and how to document a find. This aspect cannot be overstated from the standpoint of exercising extreme care while collecting in order to minimize damage, and recovering repairable fragments and/or associated species. The judgment made in the field by the collector as to what is to be saved for possible future repair is irrevocable. A pocket that is divided and the contents distributed allows no hindsight as to what could have or should have been repaired. Notice is taken in the newspapers when a work of art is vandalized, but little attention is given when a collector carelessly excavates and ruins an important find; pockets are too often collected and the contents dispersed as individual (unrepaired) crystals, not only because of ignorance and indifference, but also because of a misguided impression that mineral repair and/or restoration is not worthwhile because such specimens are "not natural" or less desirable. This naive judgment is passed on to future generations; the specimen, unlike a painting or sculpture, can never be repaired after the fact.

Do not confuse specimen repair, which is a legitimate reconstruction of what actually once existed, with specimen fake or fraud, which was unfortunately advocated by a less than ethical author in *Lapidary Journal* (November, 1982) and more recently in *Rock and Gem* (April, 1992). This author advocated drilling holes in matrix and gluing single crystals in the holes, thus creating a matrix specimen that would command a higher price; the author justified this practice because for reasons of profit, and because "everyone is doing it"! This attitude is reprehensible by any standard of ethical conduct, and yet, unfortunately, the backlash from this attitude results in collectors thinking that legitimately repaired specimens are in themselves somewhat unethical. It is important here to remember, however, the distinction between fabrication and the accurate reconstruction of what once was an actual specimen. Consequently, every incomplete crystal, crystal shard, and fragment from a pocket or other find should be saved in order to more carefully assess possibilities to repair a crystal or crystal group. Such fragments may constitute a critical part of a broken crystal - if it is discarded in the field there is no further opportunity for repair.

One final comment on responsible collecting. Some collectors occasionally empty their packs of unwanted rocks in a locality far from where they originated, or, as a practical joke, "salt" a hillside with material foreign to the locality. Although intended in good fun, such practice wreaks havoc on those who may attempt to document the mineralogy of an area or region, because sooner or later someone is going to pick up the alien stuff. Once such extraneous material is picked up by an unsuspecting collector and then documented or reported to someone compiling a list of minerals from the area, it becomes a permanent part of the written record, and is almost impossible to discredit even when probable cause exists.

Other important considerations in the field include proper documentation of a find. The very process of collecting eradicates aspects of geologic structure and environment in which the specimen was found. Such information may not always seem useful, but in some cases a composite body of information and documentation may lead to inferences of regional or local conditions that resulted in the formation of the deposit at that site. Such inferences can give valuable information to researchers and interested collectors who are trying to understand not only where minerals occurred, but also why they formed in the area. For example, field notes kept on physical dimensions and orientation of pegmatites in a given area, or orientation (i.e., strike & dip) of a given pegmatite or vein, together with accurate diagrams of structure and crystal placement, may ultimately provide useful information. Careful documentation of all mineral species, including microminerals (and quantities of each), add to the documentation. Uncleaned specimens showing later periods of paragenesis or pocket development can be saved as part of a suite from a given find, as well as pocket clay and any microminerals recovered during cleaning. Microminerals are easily recovered by placing a small screen in the sink where the specimens are initially scrubbed. In addition to keeping the stuff from clogging the drain, the screen contents, when dried, can be examined for microminerals that otherwise would be lost. Such records are easily kept in a looseleaf notebook that allows additions or modifications later on.

Shown on the following page is a diagram showing orientation of a miarolytic cavity and structure of the surrounding pegmatite. The cavity was excavated in 1986 from the Crystal Peak area of Colorado. This cavity yielded over 100 lbs of smoky quartz (single crystals as much as 10 inches in length) and 70 lbs of amazonite (crystals to 3 inches across). Other associated species that were documented included albite, fluorite, hematite, zinnwaldite, calcite, zircon and columbite. Paragenetic sequence was determined, and three episodes of pocket rupture and subsequent crystallization were inferred.

Fall Calendar

November 10 **FM meeting VIP room, 7:30 PM, Denver Museum Of Natural History**

November 12-13 **Fifteenth Annual New Mexico Mineral Symposium Socorro, New Mexico**

December 9 **Annual FM board Meeting 7:00 PM, 2240 So. Adams**

January 12 **FM meeting VIP room 7:30 PM, Denver Museum of Natural History**

++++
The annual dues for the Friends of Mineralogy Denver Chapter are \$13.00 which includes the \$5.00 for the National Chapter. They are due January of each year. Please pay for 1995 now.
 ++++

President **James F. Hurlbut** Vice president **Raymond Berry**
 Home 757-0283 Work 279-7796 Home 719-598-7877

Secretary **Robin Wright** Treasurer **Caroline Gray**
 449-0836 733-1026

Board & Membership Chair Board and Program Chair
William Weller 238-9803 **Ed Raines** 303-682-2828

Board member
Edward Gray 980-0581

Friends of Mineralogy Colorado Chapter **BALLOT**
 Please Mail or bring to the November Meeting.

Write In

President-----James F. Hurlbut [] _____

Vice President-----Raymond Berry [] _____

Treasurer-----Caroline Gray [] _____

Secretary-----Robin Wright [] _____

Board/Membership-William Weller [] _____
 (2 year term)

Board-----Edward Gray [] _____
 (2 year term)

Ed Raines was elected to a two year term and continues as a Board member and Program Chair.

Friends of Mineralogy, P.O. Box 150401, Lakewood CO 80215-0401