

Mile Hi Rock & Mineral Society

Ronald Knoshaug, Newsletter Editor

13495 W. 71st. Place

Arvada, CO 80004

Volume 43, March, 2018



No Membership Meeting

Field trip to the Geology Museum at Colorado School of Mines

ROAMIN' RAMS

Volume 43 March, 2018 No. 3

2018 Officers

President, Bruce Brown

303-691-6053

Vice President, Chris Rayburn

303-503-8637

Secretary Judy Knoshaug

303-423-2923

Treasurer, Kevin Larsen

303-429-6976

Committees

Programs, Vacant

Field Trips, Chris Rayburn

303 503-8637

Memorial Case, Bruce Brown

303-691-6053

Claims Committee Chair, Tom Miller

303-420-3606

Membership, Kevin Larsen

303-429-6976

Refreshments, Gary Hillsten

303-934-0603

Picnic Chair, Don & Gail Beamer

719-689-3130

Newsletter, Ron Knoshaug,

303-423-2923

Denver Council, Judy Knoshaug

303-423-2923

Librarian, Bruce Brown

303-691-6053

Show Liaison, Judy Knoshaug

303-423-2923

Snow policy: If the roads appear icy, a decision will be made by the officers by 6:30 PM as to whether or not to cancel the meeting. If the decision is to cancel the meeting, a telephone relay will be set up to call all appropriate members. If we do not reach you, and there is a question about the meeting, feel free to call any of the four officers for club meeting information.



RAMS MEETINGS

The Mile Hi Rock & Mineral Society meets the third Friday some months at Berthoud Hall on the campus of Colorado School of Mines.. Call Tim Hillsten or Ron Knoshaug for more details.

The primary objective of the Mile Hi Rock & Mineral Society is the education of its members on all aspects pertaining to the rock and mineral hobby and associated arts.

DUES: Family- \$15.00
 Individual- \$10.00

ROAMIN' RAMS NEWSLETTER

The Mile Hi Rock & Mineral Society, Inc., a non-profit organization dedicated to the education and the display of the earth sciences, publishes this newsletter monthly. Material in the newsletter may be reproduced in publications that are not sold for monetary gain provided credit is given to the author and the newsletter.

The Mile HI Rock & Mineral Society is a member of the Greater Denver Area Gem and Mineral Council, the Rocky Mountain Federation of Mineralogical Societies, and is an associate of the American Federation of Mineralogical Societies

RAMS WEB PAGE:
milehirams.com

RAMS NEWS

March 10 Geology Museum Field Trip, Colorado School of Mines 1:00 PM

April 15, 16, 17 The RAMS have scheduled a field trip to several well-known New Mexico collecting sites in mid-April; the Blanchard Mine near Bingham on Sunday, April 15; the Kelly Mine near Magdalena on Monday, April 16; and the Graphic Mine near Magdalena on Tuesday, April 17. This trip will entail three full days of collecting, plus travel time to and from the Socorro, NM area (approximately seven hours each way from Denver). Participants may choose to join us for any or all of the sites. The owner of the Blanchard Mine must travel two hours from Albuquerque to provide orientation and access to the mine. For this reason, it is **VERY IMPORTANT** that we have firm commitments from participants. Please contact Chris Rayburn, RAMS field trip coordinator, at (303) 503-8637 or crayburn319@gmail.com, if you are interested in participating. Please specify which site(s) you wish to visit. **The deadline for signing-up for this field trip is April 1.** This is so firm arrangements can be made with the owner of the Blanchard Mine. Additional details will follow for confirmed participants. We hope you can join what is sure to be a productive field trip!

Field Trip 2017
Geology Museum
Colorado School of
Mines



Editor's Note:

The runner up for the Ugly Rock Contest was Scapolite from Amity, Town of Warwick, NY submitted by Chris Rayburn. The editor did not put the name of the mineral nor the person who submitted it in the February Newsletter,



Many thanks to Rhiana Henry for the interesting and in-depth program given at the February RAMS meeting. We all enjoyed the program and learned much about Gadolinite from the White Cloud Pegmatite, South Platte Pegmatite District, Colorado, USA.

Coming events, geology and geography by Peter Modreski

Tues., Mar. 13, 7:00 p.m., Speakers' Bureau Lecture at the Western Museum of Mining & Industry, Colorado Springs, "**Cripple Creek High Grading: The Untold Stories**", by Steve Veatch, Geoscientist and Geoscience Educator, and Ben Elick, WMMI and Middle School student, Douglas County School District. Doors open at 6:00 p.m., lecture 7:00 - 8:00 p.m.; \$5 admission, WMMI museum members admitted free. RSVP by calling 719-488-0880 or emailing rsvp@wmmi.org.

Related to this, a special exhibit on "**Gold Mining in Colorado**" is on display at the WMMI from Feb. 15 through June 9. It takes the visitor through the story of gold mining in Colorado, from the origins of gold to contemporary gold mining, via illustrations, diagrams, maps, and artifacts (all from the museum's extensive collection; many of them have not been exhibited for years, if at all). A version of this exhibit was on display in eleven exhibit cases for three days at the Denver Gem and Mineral Show this past September, but it was desired to put the exhibit back on display so WMMI members as well as the public could appreciate the research and work that went into preparing it. Museum hours are 9 a.m. – 4 p.m., Mon.-Sat. Regular admission is \$10; there are Military, Senior, Student, and Child discounts.

Thurs., Mar. 15, 7:00 p.m., **Challenges in Providing Real-time Earthquake Shaking & Impacts Estimates**, by Dr. David Wald, U.S. Geological Survey, National Earthquake Information Center and Adjunct Associate Professor of Geophysics, Colorado School of Mines [plus possibly a second speaker also about earthquakes, TBA]. At the monthly meeting of the Colorado Scientific Society, Shepherd of the Hills Church, 11500 W. 20th Ave., Lakewood CO; social time begins at 6:30, program at 7:00; all are welcome.

Tues., Mar. 20, 10:30 a.m., USGS Rocky Mountain Science Seminar, Building 25 Lecture Hall, Denver Federal Center, "**Great Megathrust Earthquakes in Alaska**", by Rich Briggs, USGS.

Wed., Mar. 21, 4:00 p.m., **The Galápagos: A Fluke of Geology, Ocean Circulation, Penguins and Climate Colloquium**, by Kris Karnauskas, CU Boulder – ATOC/CIRES. Benson Earth Sciences Building Auditorium 180; social hour with refreshments follows in Benson 185. All are welcome.

Fri-Sun., Mar 23-25, **Fort Collins Rockhound Club Gem & Mineral Show**, at The Ranch/Larimer County Fairgrounds, Thomas M. McKee 4-H Building, 5280 Arena Circle, Loveland, CO (I-25 exit 259, Crossroads Blvd; 4-8 p.m. Fri, 9-6 Sat., 10-5 Sun.)

Fri.-Sat.-Sun., April 13-15, **Colorado Mineral & Fossil Spring Show**, Crowne Plaza Hotel DIA, 15500 E 40th Ave., Denver CO. Free admission; hours 9-6 Fri. & Sat., 10-5 Sun.

Thurs., May 3, 7:00 p.m., First Thursday lecture series of the Friends of the Colorado School of Mines Geology Museum, **The Colorado-Wyoming State Line Kimberlite District**, by Philip Persson.

Peter J. Modreski

U.S. Geological Survey, Denver, Colorado

Geochemist

Office of Communications - Community Relations and Educational Outreach

USGS, Mail Stop 150

Box 25046, Federal Center

Denver, CO 80225-0046

Denver Gem & Mineral Show Mini Report March 2018

The 51st Denver Gem & Mineral Show will be held on September 14 - 16, 2018 at the Denver Mart, 451 E. 58th Avenue (intersection of I-25 and 58th Avenue). The theme this year is "Minerals of Mexico". Lesley Sebol is the Show Chair and can be reached at lesleysebol@gmail.com or 720-999-1372 if you have any ideas for the show. Planning is underway and we would like your ideas to make this a fantastic show.

Minerals of Mexico will be an exciting theme for the show! Everyone knows that Mexico has a wide variety of exceptional minerals. In fact, the first issue of Mineralogical Record for 2018 was devoted to the minerals of Mexico. The theme is important for the species competitions at the show. A specimen entered into the species competition must adhere to the show theme, i.e., for this year the specimen would have to be from Mexico. The categories are Thumbnail, Toenail, Miniature, Cabinet, Large Cabinet, Self-Collected, and Lapidary/Jewelry. So maybe you have an exceptional Mexican specimen and you would like to find out how outstanding it really is. Enter it in the species competition. You may win a trophy or not, but you will find out how it stacks up against other Mexican specimens. Have you seen the beautiful poster with the vibrant green brochantite from the Milpillas Mine, Cuitaca, Cananea District, Sonora, Mexico?

You know that the Denver Show is a unique show in the U.S. There is no other city in the country that has a group of gem, mineral, and fossil clubs that puts on a world-class show with all volunteers and has done so for 50 years. We should all be very proud of our accomplishments over the last 50 years. The 50 year Retrospective book documents our achievements. I hope you all have had a chance to read it.

The Show Committee is the group that plans and operates the show. The committee is a group of 50 plus dedicated persons. Some are old-timers and some are newbies. Most likely you know one or more persons on the committee. The committee is in need of a few more newbies at this time. After writing the beautiful 50 year Retrospective, Mark Jacobson is stepping down as the Historian. A new Historian is needed and Mark recommends that this is a two-person position. One of the responsibilities is photographing all the exhibits, which takes the time of more than one person. There is also a need for a Set Up Chair. This person is responsible for set up of the show on the preceding Wednesday. Set up entails covering the dealer tables in the aisles and east area with plastic and assembling the wood display cases. Of course, the Chair has a group of experienced people from prior years to help but needs to confirm the set up volunteer list. This is not as difficult of a job as it sounds. The main floor is the responsibility of the contract decorator. So if you enjoy the show, please consider becoming more involved and join the committee. It is a rewarding venture, you will meet new people from other clubs, and you will feel great knowing that you have helped to put on the show. Where else is there such a magnificent event to fully indulge in our hobby?

The Show Committee meets at the Denver Museum of Nature & Science at 7:30 p.m. the first Tuesday of each month except February, July and December. So think it over and come to a meeting. Tag along with your club representative (each club has one) or just show up. You may serve as an At Large member until you find the position that matches your talents. I cannot emphasize enough the need for newbies.

The volunteer signup sheets should be available at your club meetings. Be sure to sign up for which ever area suites you. More than 400 volunteers are needed at the show!

Respectfully submitted, Judy Knoshaug, Show Secretary

Last notice: RAMS dues are due. See the last page of February newsletter for the RAMS application for membership. The membership chair is Kevin Larsen. Please send your payment of dues to him or pay at the meeting.

**See you at the Geology
Museum, CSM**

Field Trip News

The RAMS have scheduled a field trip to several well-known New Mexico collecting sites in mid-April; the Blanchard Mine near Bingham on Sunday, April 15; the Kelly Mine near Magdalena on Monday, April 16; and the Graphic Mine near Magdalena on Tuesday, April 17. This trip will entail three full days of collecting, plus travel time to and from the Socorro, NM area (approximately seven hours each way from Denver). Participants may choose to join us for any or all of the sites. The owner of the Blanchard Mine must travel two hours from Albuquerque to provide orientation and access to the mine. For this reason, it is **VERY IMPORTANT** that we have firm commitments from participants. Please contact Chris Rayburn, RAMS field trip coordinator, at (303) 503-8637 or crayburn319@gmail.com, if you are interested in participating. Please specify which site(s) you wish to visit. **The deadline for signing-up for this field trip is April 1.** This is so firm arrangements can be made with the owner of the Blanchard Mine. Additional details will follow for confirmed participants. We hope you can join what is sure to be a productive field trip!

Mineral List for the three mines mentioned above (from Mindat.org):

Blanchard Mineral List:

① Anglesite ① Antlerite ① Atacamite ① Aurichalcite ① Baryte ① Beaverite-(Cu)
① Brochantite ① Calcite ① Caledonite ① Cerussite ① Chalcantinite ① Chalcopyrite
① Chrysocolla ① Cinnabar ① Copper ① Corkite ① Covellite ① Creedite
① Cuprite ① Cyanotrichite ① Fluorapatite ① var: Carbonate-rich Fluorapatite ① Fluorite
① Fraipontite ① Galena ① Goethite ① Goslarite ① Gypsum ① var: Selenite
① Hematite ① Hemimorphite ① Hydrozincite ① Jarosite Linarite ① Malachite
① Marcasite ① Mottramite ① Murdochite ① Otavite ① Plattnerite ① Plumbojarosite
① Pyrite ① Pyromorphite ① Quartz ① var: Smoky Quartz ① Rosasite
① Scrutinyite (TL) ① Smithsonian ① Spangolite ① Sphalerite ① Sulphur
① Tenorite ① Wulfenite

North Graphic Mineral List:

① Allophane ① Aurichalcit ① Azurite ① Baryte ① Calcite ① Cerussite ① Chalcantinite
① Chalcocite Chalcophanite ① Chalcopyrite ① 'Chlorite Group '① Copper ① Covellite
① Cuprite ① Galena ① Hedenbergite ① Hematite ① Hemimorphite ① Hydrozincite
① Ilmenite ① Jarosite ① Magnetite ① Malachite ① Pyrite ① Pyrrhotite ① Quartz
① Rosasite ① Siderite ① Smithsonian ① Sphalerite ① Tenorite ① Wulfenite ① Zinkosite

Kelly Mine Mineral List

① Acanthite ① Aikinite ① Allophane ① Andradite ① Anglesite ① Aragonite ① Aurichalcite
① Azurite ① Baryte ① Birnessite ① Calcite ① Cerussite ① Chalcantinite ① Chalcocite ① Chalcophanite
① Chalcopyrite ① 'Chlorite Group ① Copper ① Covellite ① Cuprite
① Cyanotrichite ① Delafossite ① Desclozite ① Dundasite ① Epidote ① Epsomite ① Galena
① Goethite ① Gold ① Greenockite ① Gunningite ① Gypsum ① 'Halloysite' ① Hematite
① Hemimorphite ① Hexahydrite ① Hydrozincite ① Kaolinite ① Ktenasite ① Linarite ① Magnetite
① Malachite ① Niedermayrite ① Plumbojarosite ① Posnjakite ① 'Psilomelane' ① Pyrite
① Pyrolusite ① Quartz ① Rosasite ① Serpierite ① Siderite ① SilverSmithsonite
① Spangolite ① Sphalerite ① Sulphur ① Tenorite ① Wulfenite

Many of these minerals will be micro-minerals. For nice pictures and more information on these minerals, look at Mindat.org Note: Bold letters above means the minerals are pictured below

Mile Hi Rock and Mineral Society Meeting Minutes February 16, 2018

President Bruce Brown called the meeting to order at 7:35 p.m. at Berthoud Hall, Colorado School of Mines. In addition to Bruce, those present were Gary Hillsten, Kevin Larsen, Tim Hillsten, Randy Kokkinen, Markus Raschke, Rhiana Henry, Sidney Hafer, Bryan Barnhart, Philip Persson, and Ron and Judy Knoshaug.

Minutes - Bruce Brown queried if there were any changes to the Secretary's minutes for the January meeting. Hearing none, Tim Hillsten moved to accept the minutes as previously presented. Gary Hillsten seconded and the motion passed.

Financial Report - Treasurer Kevin Larsen gave the financial report as follows: Checking balance 12-29-17 was \$3,069.90; income was dues of \$90.00 plus \$10 from petty cash; expenses were \$88 to Tom Miller for claims expenses, \$150 to Judy Knoshaug for the Denver Show Retrospective books, and \$50 for American Lands Assn dues; resulting in a balance of \$2,881.90 as of 1-31-18. Kevin noted the CD balance is \$2,700.57 and petty cash \$67.35 so the total treasury stands at \$5,649.82. Kevin asked if there were any questions about the report. Hearing none, the report was accepted as presented. Kevin said the club currently has 45 members and he is creating a versatile membership list, which is still a work in progress. Kevin stated the website is sorely out of date with some things dated as far back as 2012. It was noted Toni Hillsten is adding current newsletters to the website, but she is also using Facebook for club news and pictures. Kevin asked if the club wants to maintain a website. Tim Hillsten moved to eliminate the club website and use Facebook. Ron Knoshaug seconded the motion. After discussion, Tim Hillsten withdrew his motion. Ron Knoshaug seconded the withdrawal. The decision on the website was tabled until Kevin Larsen talks to Toni about the website and Facebook.

Denver Gem & Mineral Show 50th Retrospective - Judy Knoshaug stated the club purchased 50 of the Denver Show 50 Year Retrospective books so now the club needs to decide what to do with them. After discussion about selling them versus gifting them to members, Judy Knoshaug moved that the club gift a book to each current member as long as they come to a meeting to pick up their book, excepting lifetime members who are not capable of attending a meeting. The books will be mailed to lifetime members unable to attend meetings. Ron Knoshaug seconded the motion and the motion passed.

Field Trips - Field Trip Chair Chris Rayburn was not in attendance but his list of proposed field trips was reviewed. The list included the Blanchard, Graphic and Kelly mines in New Mexico on April 14, 15 and 16. The Knoshaugs will lead a trip to the Book Cliffs May 5 - 6. Memorial Day weekend will be at the club claims May 26 - 27. Possibilities for June are Farson, Wyoming and St. Peter's Dome. The picnic will be July 21 - 22. Jeff Self's claims on Mt. White for July. The Tarryalls in August. The Oklahoma Great Salt Plains State Park led by Don Beamer for October. Another Book Cliffs and Green River trip for October. Ron Knoshaug said Chris wants to know how many would attend the New Mexico trip. After discussion about the picnic, Ron Knoshaug moved to invite the Littleton club for the picnic weekend. Randy Kokkinen seconded and the motion passed. Ron will send an invitation to Jim Hooten, Field Trip Chair of the Littleton club.

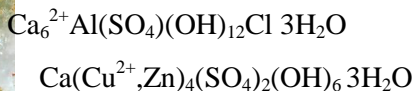
Denver Gem & Mineral Show - Judy Knoshaug reported the Denver Gem & Mineral Show is September 14 - 16 and the theme is "Minerals of Mexico". Bruce Brown distributed a few colorful posters of brilliant Mexican brochantite. Ron Knoshaug said the club's tradition has been to enter an exhibit of theme minerals. Members thought the group could do the same this year. Ron Knoshaug will bring the volunteer sign-up sheet to the next meeting.

There being no further business to come before the meeting, the meeting was adjourned in favor of the program by Rhiana Henry.

Respectfully submitted, Judy Knoshaug, Secretary



Spangolite **Serpierite**
Blanchard Mine Graphic Mine



Pictures from Mindat.org



**North Jeffco Gem & Mineral Club
Silent Auction**

**Friday, April 13th, 2018
APEX Community Recreation Center
6842 Wadsworth Blvd, Arvada, CO 80003**

Setup at 5:30 PM

**Seller limits on number of items to sell:
Club Members – No limit
Non-members – Maximum of 30 items**

Auction Begins 6:45 PM

**Checkout Begins Immediately After Auction
No Early Checkout
Free Parking, Free Admission**

- ◆ jewelry ◆
- ◆ gems ◆
- ◆ minerals ◆
- ◆ bake sale ◆
- ◆ crafts ◆
- ◆ free refreshments ◆
- ◆ public invited ◆

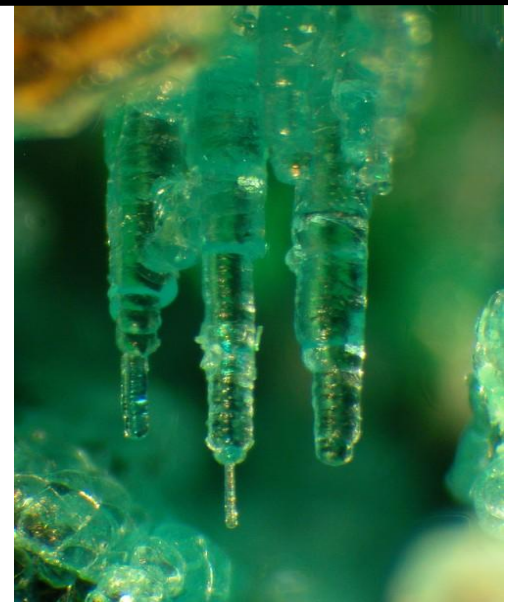


**If you need a finished piece of jewelry,
rough material to fashion yourself,
a specimen for your collection,
or an interesting and fun evening,
this is the place.**



Sellers & Buyers Welcome

**For more info call Bill Jones 303-503-6288
Or email sidewindermin@comcast.net**



Allophane - $Al_2SiO_5 \cdot H_2O$ Graphic Mine



Cerussite - $PbCO_3$ Graphic Mine

Colorado Mineral & Fossil Spring Show

The Crown Plaza Hotel / Convention Center, 15500 E 40th Ave.,
Denver, Colorado 80011

Show Dates: April 13-15, 2018

Hours: Friday - Saturday 9AM - 6PM Sunday 10AM-5PM

Promoter: Rocky Mountain Gem & Mineral Co-op Sandra Gonzales
rockygems@comcast.net <http://www.rockygems.com/>

Admission: Free Admission Free Parking - Over 1,000 parking spaces

A regional show that features retail & wholesale dealers from around the world Approximately 85 dealers currently signed on to bring you some of the best gemstones, minerals, meteorites, fossils, jewelry, and opals. The first big regional show after a long winter