



Friends of Mineralogy, Colorado Chapter Newsletter – November 2010

Next meeting November, 2010 at the Denver Museum of Nature and Science
2001 Colorado Blvd., Denver, CO

[Enter the museum via the staff/security entrance, to the left of the main entrance doors on the north side of the museum. Security staff will direct you to the V.I.P. Room, which is to the left, past the T-Rex Cafeteria area.].

(Board meeting 6:45-7:30)

FRIENDS OF MINERALOGY PROGRAM FOR NOVEMBER 2010

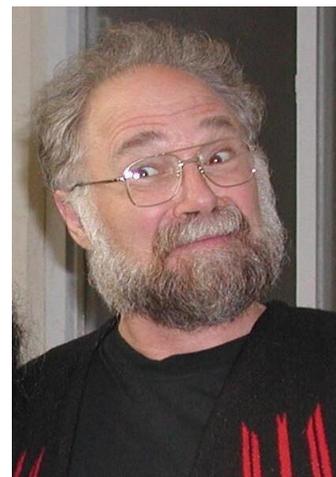
Thursday, Nov. 4th, 7:30 p.m.



Minerals and Mining History of Franklin and Sterling Hill, New Jersey

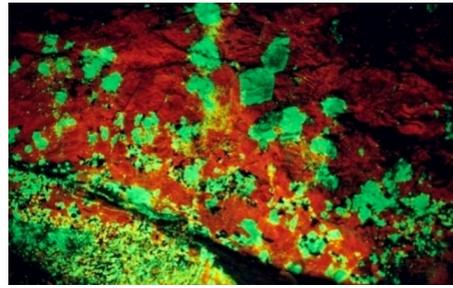
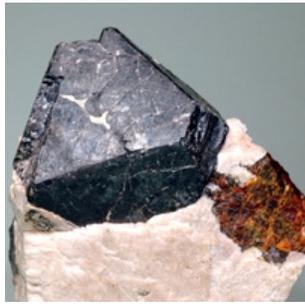
by

Richard C. Bostwick
New York City, N.Y.



Dick Bostwick's specialty in mineral collecting has always been the fluorescent minerals of Franklin-Sterling Hill. Dick volunteers for the Sterling Hill Mining Museum and often helps bring their exhibits to Tucson and other mineral shows; he and his wife Tema are former editors of *The Picking Table*, longtime publication of the Franklin-Ogdensburg Mineralogical Society; and he was a coauthor of the book *Ultraviolet Light and Fluorescent Minerals* (1995). Dick works for SPEX CertiPrep (analytical and grinding equipment), but his varied career has included a degree from Yale University, being a hard-rock underground miner for New Jersey Zinc Company at the Sterling Hill mine, work at the Bath Iron Works naval shipyard, Maine, and managing the Mineral Sales Dept. for Thomas S. Warren at Ultra-Violet Products, Inc., San Gabriel CA. Dick is quite the *connoisseur* of fine minerals from FSH, and a most interesting and enjoyable speaker and storyteller.

Plases enter the museum via the Staff door, left of the main entrance; for more info contact Pete Modreski, 303-202-4766



2010 FMCC Board of Directors:

President, Pete Modreski , 303-202-4766
Vice-President, Jim Hurlbut, 303-757-0283
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Secretary, Alan Keimig, alan-a-k@juno.com
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Director, Bill Chirnside (2010), 303-989-8748
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Director, Don Bray (2011), 303-681-3646

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Preservation, Jeff Self and Donna Ware
Program, Pete Modreski, 303-202-4766
Editor, Bill Hutchinson, 303-452-9009

Liaison for DMNS, Alan Keimig 303-755-9604

Some Notes from the President;

Election Candidates:

Individuals that are interested in continuing their positions for 2011.

Pete Modreski for President

Jim Hurlbut for Vice-President

Lou Conti for Treasurer

Secretary, Alan Keimig

Co Secretary, Norma Keimig

Thank you!

Programs at our FM meetings: At our past few meetings, I had announced my intention of having a series of speakers who could talk about their personal experiences regarding specimen-mining activities in Colorado. Our last two programs have departed from this theme, BUT I hope to continue it in the fall—please keep this in mind and don't be afraid to contact me with suggestions along these lines, or your own personal offer of a talk.

CREEDE SYMPOSIUM REVIEW:

Synopsis of the Creede Mineral Symposium

The symposium was a great success and “a highlight of our year.” Creede was a beautiful, historic, and excellent place to hold it. Many registrants felt that the conference was very well organized, speakers were interesting, and it was generally well run. All speakers were relevant and knowledgeable. One registrant made particularly fond mention of Pete Modreski's talk. Both field trips were fun and worthwhile. We received many compliments about the banquet (fabulous), food, drink, and snack breaks. Some folks mentioned the dealers, poster sessions, displays, and very reasonable costs. A hearty thank you to everyone who helped organize and execute the conference.

On the negative side, three speakers went overtime, one used dimly lit – badly organized photos, and two were very technical. Some registrants felt distracted by timing the symposium within a week of the Denver Show. Others would not have attended if it were timed differently. The Boulder Fire caused all sorts of inconveniences and prevented two of our registrants from attending, while another impacted person did attend. Some registrants felt that a two hour break on Saturday would have been helpful to enjoy the mine road loop.

For the future, several folks would like to see more of these events held in Colorado. “When's the next one?!” That all depends on you, the future symposia organizers!

Bruce Geller, Director
CSM Geology Museum

DENVER GEM AND MINERAL SHOW:

Well another show has gained entrance to our history books. The Creede themed show was well attended and we had some spectacular displays on the Creede Mining District to view. Volunteers helped to make it all run smoothly and I heard very little as way of complaints. The general buzz from the dealers was that it was a break-even show or better and given the economic times I believe this made it a success. No major discoveries made it to the show from any local collecting and little from the national collecting either. The main discoveries I heard of were mainly the new Madagascar minerals. Hopefully next year we will have more local discoveries to talk about.

Bill Hutchinson

Denver Gem & Mineral Show 2010 – Winners in the Special Competitions

Richard M. Pearl Trophy: Larry Havens (barite, Frizington, England)

Best of Species Trophies:

Thumbnail – Nick North (wire silver, Creede)

Miniature – Larry Havens (silver on quartz, Creede)

Cabinet – Kent Havens (barite, Wagon Wheel Gap, Colorado)

Oversize Cabinet – Larry Havens (barite, Bulldog Mine, Creede)

Best Fossil: Jordan Sawdo (turtle shell)

Prospector's Trophy: Eric and Sarah Mitchell (precious opal, Nevada)

Junior Prospector's Trophy – Trevor Smith (barite, Hartsel, Colorado)

C. E. "Shorty" Withers Trophy: Ed Raines (Minerals of the Creede Mining District)

Winners of Competitive Exhibits:

Best Museum Trophy: Colorado School of Mines

Individual Competitive Case Trophies:

Thumbnail Minerals, Any Type – Nick North (Advanced)

Minerals, Open Class – Richard Tripp (Master)

Unlimited Minerals, One Species – Lou Conti (Master – Fluorites)

Miniature Pseudomorphs – Barbara Sky (Master)

Thumbnail Minerals, Any Type – Alexander Schauss (Master)

Educational, General Concept – Richard Tripp (agates)

Club Prospector Trophy: Littleton Gem and Mineral Club

THANK YOU TO ALL THE VOLUNTEERS

The Show Committee wishes to send a heartfelt thank you to all the volunteers at the Denver Gem & Mineral Show. The show would not happen without all of you. It takes 400 plus volunteers to put on the show. The Show Committee consists of about 35 people so you see it takes many more people than just Show Committee folks to operate the show. It is truly a club show. The loyal club members showed up and helped where they were needed. At Wednesday's set up, there was an ample number of persons to do the work, which made it so much easier on all. Likewise, on Sunday's tear down, there were enough people to complete the job in a timely manner. Having enough people makes all the difference. Thanks to all who helped with admissions, security, exhibits, hospitality room, schools, gemstone give away, grab bag and poster sales, volunteer check in, and anyone else I might have missed. So we hope you enjoyed the show and will be back next year. The show is the most exciting event in Denver all year for our hobby. It is a **GRAND EVENT** and we hope you participated in it fully!

Respectfully submitted, Barb Melby, 2010 Show Chair

Preservation Committee Report:

Miners Oral History Project

Our goal is to preserve for future generations the oral history of Colorado's miners. An overlooked & sometimes forgotten way of life that helped to create the state we know today. What better way than from the mouths & memories of those who "lived the life", from everyday routines to catastrophic events. We plan to make available to the public the histories told to us so that future generations can hear or read of the experiences of the people who worked the mines. We are collecting the stories of as many people as we can possibly gather. People who worked in the mines, mills & smelters. The carpenters, hoist men, assayers, geologists, inspectors, muckers, drillers, blasters, trammers etc. Any and all who worked the mines. We will ask all interviewees to sign a release form allowing the Friends of Mineralogy to appropriately use the recording. They will be available to scholars, historians, or the just plain curious. These recordings will be archived in as many locations as possible. All interviewees will be given a copy of the recording for their families. We would like to give copies to the Colorado Historical Society, the Colorado School of Mines, the Historical Societies of the appropriate counties (i.e. the San Juan Historical Society), and hopefully into the Smithsonian's Oral History archives. We wish to do our best to preserve these histories. The more places that have copies the more likely it is that these histories will survive. We wish to preserve the history, the stories and experiences of those who worked in the industry. These stories are slipping away from us. Every year, every day we lose people whose experiences and stories were not recorded. This history needs to be preserved. To many have been lost to us. Their stories gone. Their voices silenced. Their history lost, forever, Please help us to do our small part to preserve as much of this rapidly vanishing part of our history as we possibly can.

Please contact us with any information you may have or to set up an interview so that your stories may be included in the archives.

Friends of Mineralogy- Colorado Chapter
Preservation Committee
Jeff Self Donna Ware
303-898-7539 303-898-4019

Greater Denver Area Gem & Mineral Council Report to Denver Gem & Mineral Clubs

2010 Approved Grant Requests

The Council receives, evaluates and approves grants twice each year in March and September. This report is sent to all eight clubs that are members of the Greater Denver Area Gem & Mineral Council.

1. Friends of Dinosaur Ridge received a grant for \$4,500.00 for three separate projects:
 - 1) They received \$500 for Dinosaur Discover Day in August, 2010. The grant helps partially fund the expenses for their monthly educational open house and tour. The Council and Show Committee members staff a table to promote the upcoming Greater Denver Gem and Mineral Show in September.
 - 2) They received \$2000 for the production of tri-fold brochures on the following subjects:
volcanic activity, creation of land forms and mining in the Morrison/Golden Area.
 - 3) They received \$2000 for an interpretive kiosk at Triceratops Trail. It will be a 3-sided kiosk with interpretive signs on each side. It will be placed in the parking lot of Triceratops Trail.

2. Denver Museum of Nature and Science received \$850 to purchase a 40" LCD/TV monitor/receiver. The monitor will be used to present Power Point programs of mineral specimens in the museum collections.

3. Colorado Mining Exhibit Foundation- received \$500 toward a program to educate teachers and the general public about earth sciences. They provide a mining exhibit at the Labor Day "Taste of Colorado" event. Members of the show committee participate in this event to promote the September Show.

4. Big Horn Basin Foundation -Wyoming – received \$1,660.00 for three projects. 1) \$450 to repair the quarry shelter used to protect personnel and equipment 2) \$760 to purchase a "Mighty Jack" pneumatic air scribe toll for removing hard rock from around dinosaur bones and 3) \$450 for a Swambast ECO-blaster- an abrasive machine to do final prep work to get bones ready for mounting.

Blevins Middle School (Ft Collins) received \$1607.00 to purchase minerals rocks and fossils for study materials to prepare for the Science Olympiad.

Western Interior Palentological Society received \$3000 for expenses such as printing publicity materials, posters and flyers for the February 2011 symposium.

Newsletter Grants to 8 clubs – All eight clubs received the \$250.00 newsletter grant in 2010. The total for the club grants is \$2000.00

The total amount of grant money paid to the above organizations in 2010 was \$14,117.00

Newsletter Grant to 8 clubs – Each of the eight area clubs can receive a \$250 grant from the Council to help defray their newsletter expenses. The prerequisite to receive this grant is for each club to have a representative attend all four Council meetings each year. Eight clubs met this requirement in 2009. They received their grant money after the March 2010 Council meeting. The Grant money comes from the proceeds of the 2009 Greater Denver Area Gem and Mineral Show. Grant information and the application form is available at: denvermineralshow.com

Janie Bennett –Council Secretary

From the editor;

The Sept newsletter and meeting were cancelled due to the timing of the Denver Gem and Mineral Show and the Creede Symposium. Both were a big success and had great reviews. The November meeting will have a great guest lecturer and we hope to see a good turnout. The new website is up and running at <http://friendsofmineralogycolorado.org/> with newsletters and other information readily available about Friends of Mineralogy with publications, events and links. I was quite busy with the symposium and Denver show, getting people's exhibits together along with my own and by small business which always seems to take longer than anticipated. This year I can truly say I was pushed to my limits over the last couple of months so although there was no great reason for there being no Sept newsletter, I desperately needed the break. Volunteers are hard to come by and sometimes take on a bit too much. I apologize for stretching myself too thin. I look forward to Novembers' meeting and am excited to hear our guest lecturer. I hope to see you there.

ARTICLE REPUBLISHED:

The article below was published by Jesse. S. Randall after he resigned as printer of the Georgetown Miner in 1875 but before he started publishing the Georgetown Courier in 1877. There are only two issues known of "The Centennial". The article below was written after J. S. Randall had during 1872-73, completed an 8 part "Glossary of Colorado Minerals" which he had published in the "Weekly and Daily Miner" of Georgetown.

This article is also the only known mineralogical article written by his father. It is also one of the earliest known accounts from the Crystal Peak pegmatites. Mark Jacobson

1876 February The Centennial [newspaper] Vol 1, no. 2, page 1, col 3
Published by Jesse Summers Randall Georgetown, Colorado
Article written by Abram Joshua Randall (J. S. Randall's father)

A Fruitful Field for the Specimen Hunter

Florissant, in El Paso County, 35 miles west of Colorado Springs, is celebrated for the great variety and abundance of geological and mineralogical specimens found in its vicinity; and it has become a noted resort for tourists passing through that portion

Of the Territory....[1/2 column omitted about the petrified stumps south of Florissant]

Eight miles north-east of Florissant are the ragged peaks of the Crystal Mountains. A range of rocky peaks, so named from the amount of crystals there found. In the last two years [discovery of locality circa 1873-4] many thousands of pounds have been taken out, the greater part of which have been sold in Manitou, Colorado Springs and Denver, but many have also been shipped east. The crystals formed there, are Smoky Quartz, Orthoclase, Adularia, Amazonstone, Green, Purple and White Fluor Spar, Specular Iron and also a few specimens of Amethystine Quartz, but these last are rare. The Veins containing these crystals usually, like our silver veins, have a general trend N. E. and S. W. the metal they carry being iron; they open out at indefinite distances into pockets filled with red oxide of iron and the crystals mentioned above. These pockets contain from a single handful to several hundred pounds of crystals. From one pocket opened last September [1875], by Mr. Anthony, about 4,000 pounds were taken. Some of the Quartz crystals are of immense size; one taken out last spring by Mr. Disbrough, was about 4-1/2 feet in length, and 10 inches in diameter at the base, and is now in [Reverend Lewis] Hamilton's Museum, in Denver [formerly of Central City in 1869]. During the summer [of 1874], several were found from 20 to 30 inches long.

The surface indications of these pockets, or in miners' parlance, the blossom-rock, is usually a graphic granite, called by the crystal miners rice rock, from its resemblance to a conglomeration of the grains of that cereal. The upper wall, called the caprock, is lined with crystals of feldspar, with sometimes a few small quartz crystals disseminated, but it is on the lower wall that the finest cabinet specimens are found, the crystals being larger and finer. Sometimes the associated feldspathic crystals are Amazonstone.

Crystallized Fluor Spar is usually found at or near the bottom of the larger pockets, sometimes in isolated cubes, and sometimes an aggregation of large and small cubes. The prevailing color is green, although purple and white are sometimes found. One unique specimen found here, is worthy of note. It was a cube of transparent green Fluorite; four inches square, and on two of the opposite faces the corners of two small cubes projected and crossed each other in such a manner as to form an almost complete representation of the masonic symbol, the Square and Compass. Specular Iron is sometimes found in nodules in these cavities, from an ounce in weight to 15 or 20 pounds. These nodules are rough and unsightly outside, but on breaking, they often display a mass of splendid radiated crystallization.

The best Amazonstone is most frequently found in veins of white quartz, associated with crystals of mica and but few quartz crystals. A vein of this kind was opened last spring [of 1875] by Messrs. Disbrough and Powell, which has since produced some of the finest crystals of the kind on Record. In September [1875] the amount quarried was over 1,000 pounds. Many of the crystals are rectangular prisms, a form of crystallization

which (according to Prof. Foote, of St. Louis [soon to be Philadelphia]), has heretofore never been found, except in South Africa. The largest taken out was a prism 18 inches in length, with a base six inches square.

These deposits of crystals extend over an area of about 16 square miles, nearly all of which has been pretty thoroughly prospected. Last summer and fall [of 1875] there were from 25 to 30 miners here constantly, besides some thousands of tourists and excursionists. Deer were plentiful in the neighboring hills, the scenery grand and picturesque, thus inviting the hunter as well as the curiosity seeker to spend a few days among the sylvan shades of these everlasting hills. A. J. R. [Abram Joshua Randall]

MINERAL ANNOUNCEMENTS:

COMING EARTH SCIENCE-RELATED EVENTS, Nov 2010

Sun. Oct. 31- Wed. Nov. 3, The Geological Society of America Annual Meeting, a national geological conference, takes place in Denver at the Convention Center. Geologists must register to attend the meeting, but we at the USGS have a limited number of complimentary passes for admission to the exhibit hall only (many exhibits by geoscience companies, book publishers, professional societies, universities, state geological surveys). The exhibit hall is open Sunday 6-8 p.m. (welcoming session), Monday and Tuesday 9 a.m. - 6 p.m., Wednesday 9 a.m. - 2 p.m. If you are interested in coming to see the exhibits please contact Pete Modreski, pmodreski@usgs.gov, 303-202-4766.

A series of field trips are held during the meeting. You don't have to be a member of GSA or registered for the meeting to join the field trips, but you do have to register for the field trips themselves. Full information is at: <http://www.geosociety.org/meetings/2010/ft-pre.htm>
Scroll down to the field trip number to register, and click to see the lists of pre-, during-, and post-meeting field trips; among the trips are:

#408. Red Rocks and Dinosaur Ridge Hike (Oct. 30)

#411. Mountain Bike adventure, Red Rocks, Dinosaur Ridge and Matthews/Winters Parks (Oct. 30)

#413. Dinosaur Quarries. New interpretation of paleoecology and history of quarries (Nov. 1)

#415. Geology of Dinosaur Ridge, Family Trip (Nov. 1)

#419. Old and new geologic studies of the Front Range (Nov. 4)

(The registration charges for the field trips range between about \$85-\$115.)

Mon., Nov. 1, 7:00 p.m., Denver Region Exploration Geologists' Society (DREGS) monthly meeting, **The Case for the Mantle-Epithermal Connection in Western USA**, by Jim Saunders (Auburn University) and Matt Brueseke (Kansas State University). Social hour, 6:00 to 7:00 p.m. Presentation: 7:00 p.m. Location - Consolidated Mutual Water Company lower level, 12700 W. 27th Ave., Lakewood, Colorado (just off Youngfield St.). See an abstract of the talk at the DREGS website, <http://www.dregs.org/abstracts.html>

Mon., Nov. 1, 7:00 p.m. Monday, Western Interior Paleontological Society (WIPS) monthly meeting, Ricketson Auditorium, Denver Museum of Nature & Science; **VOICES OF SCIENCE: TALKS BY TWO WIPS GRANT RECIPIENTS:**

Derek J. Main. - "Paleoecology & Biogeography of Mid-Cretaceous Coastal Ecosystems as viewed from the Arlington Androsaur Site, North Texas"

Malcolm W. Bedell, Jr. - "Rejuvenated Juvenile" (research concerning a sub-adult Diplodocus from the Jurassic Morrison Formation of Wyoming)

Thurs., Nov. 4, Minerals and Mining History of Franklin and Sterling Hill, New Jersey; by Richard C. Bostwick, at the bimonthly meeting of the Friends of Mineralogy, Colorado Chapter; Denver Museum of Nature and Science, VIP Room, 7:30 p.m. All are welcome. A special presentation by a visiting mineral collector, and

former miner, who knows "all there is to know" about Franklin-Sterling Hill and its many rare and fluorescent minerals.

Thurs., Nov. 4, 7:00 p.m., Heritage Lecture Series, Western Museum of Mining & Industry: **Mining Reclamation**; Sharon Salisbury O'Toole, rancher, writer, and poet, will discuss the relationship of land to ranching and reclamation. 225 North Gate Blvd., Colorado Springs (I-25 exit 156A). No charge, but please RSVP to RSVP@wmmi.org or call 719-488-0880 to reserve seating. For more information see <http://www.wmmi.org/home>

Fri., Nov. 5, "Rock Out for the Ridge" is a fund-raising evening (dinner, silent auction, awards. and lecture) for the Friends of Dinosaur Ridge, held at the Red Rocks Park Visitors Center. The lecture presentation will be by Mr. Mike Green, "The Rooney Ranch Story". Tickets for the event are \$75; for more information please contact Clare Marshall at 303-697-3466 x 105 or dinodiscovery@dinoridge.org .

Fri.-Sat.-Sun., Nov. 5-7, Denver Area Mineral Dealers Annual Gem & Mineral Show, Jefferson County Fairgrounds Exhibit Hall, 15200 W. 6th Avenue Service Road, Golden CO (west of Indiana Street); Fri. & Sat. 10 am-6 pm, Sun. 11 am - 4 pm. "Public welcome, free admission, ample parking; 18 dealers with minerals, fossils, lapidary, jewelry, and carvings." For more information call (303)279-5504 or (303)986-3647.

Sun., Nov. 7, Secrets of Colorado's Past Climate Change ; 1:30 p.m., at Lookout Mountain Nature Center, 910 Colorow Rd., Golden, CO.

"Discover the climate changes in Colorado over the last 15,000 years and how these changes have affected ecosystems in the Colorado Mountains. Find out how tree rings, pollen records and even the garbage pile left from packrats help scientists to unravel the history of Colorado's climate. Join Robert Thompson and Laura Strickland from the U.S. Geological Survey for a discussion on these methods. Ages 13 - adult. Registration is required for this FREE program. Please call Lookout Mountain Nature Center at 720-497-7600 or go online to register <http://lmnc.jeffco.us> "

Tues., Nov. 9, 10:30 a.m., USGS Central Region Seminar Series, **The Geochemical Landscape of the Prairie Potholes Ecosystem**, by Marty Goldhaber, USGS, Denver. Foord Lecture Room (B-1409), Building 20, Denver Federal Center, Kipling St. south of 6th Avenue, Lakewood CO. All interested persons are welcome to attend the talks in this lecture series; please enter the Federal Center via the Main Gate (Gate 1) on Kipling St. just north of Alameda; park in the lot at the northwest corner of Building 20, and enter the building via west side entrance door W-3, at the security guard's station. **Please note!** You may have seen a seminar posted on one of our USGS web pages, announcing a "Tuesday, Nov. 24" talk by Stephen Martel on "Formation of Sheeting Joints". This was *nota* correct and current announcement--in fact, it was a talk from Nov. 24, 2009. A new list of coming talks in our USGS Central Region Seminar Series will be forthcoming, and I will forward a message as to the correct web page on which the current talk series will be posted. Thank you!

Tues., Nov. 16 , 6:30 p.m., Café Scientifique at the Wynkoop Brewery, **Long Hot Nights in the Eocene Arctic: What they tell us about global temperature change**, by Jaelyn J. Eberle, Curator of Vertebrate Paleontology, University of Colorado Boulder Museum of Natural History. For more info see <http://cafescicolorado.org/>

Thurs.-Fri., Nov. 18-19 is the **Colorado Science Conference**, a professional development conference for science teachers. It's held at the Denver Merchandise Mart ; for registration and more information see <http://coloradocast.org/professionaldevelopment.php?page=overview> . A worthwhile event for anyone involved in teaching science! The 2010 theme is "Science: What Works for You?".

Sat., Nov. 20, 12 noon - (approx.) 3 p.m., Littleton Gem and Mineral Club Silent Auction. "All are welcome to come, no admission charge; minerals, jewelry, gemstones, lapidary, books, fossils, etc.; light refreshments served; special verbal auction." Columbine Hills Church, 9700 Old Coal Mine Road, Littleton (SE of intersection of S. Kipling and Old Coal Mine Ave.).

Fri-Sun, Dec. 10-12, Flatirons Mineral Club Show, Boulder County Fairgrounds Exhibits Building, 9595 Nelson Rd. (Nelson & Hover), Longmont, CO; Fri. 10-6, Sat. 9-5, Sun. 10-5; Age 13 and up \$3 on Friday, \$5 on Sat. and Sunday, 12 and under free with paid adult. Held in conjunction with the Boulder Model Railroad Club Annual Show, Dec. 11-12. For more info see <http://bcn.boulder.co.us/community/fmc/fmcshow.htm>

Meeting Dates for 2010

The date for our next 2010 meeting will be Nov 4th (the 1st Thursday due to conflict with the Socorro Symposium in New Mexico).

Membership in FMCC and National FM is \$13 for 2010. Payment by check can be sent to our Treasurer or any Board member.

Your newsletter editor encourages all FMCC members to send your email address so that you will receive the newsletter electronically. The email version of the newsletter is in color; the paper version will have none. Please send your email address to Editor Bill Hutchinson at wmhutchi5@msn.com. Also if you only want a paper newsletter but are presently receiving an email newsletter, please let your editor know.

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