



PICK & PACK

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CSMS is an incorporated nonprofit organization with these goals:

- To promote and disseminate knowledge of the earth sciences, especially as they relate to mineralogy, lapidary, and fossils
- To encourage study, collection and fashioning of minerals.
- To accomplish the same through social meetings, lectures, programs, displays, shows, and field trips.
- The Pick & Pack is published monthly to assist and promote the above.

The Legendary Berry's Meet Our Lifetime Members

Cindy M. Bronner

Ray and Eloise Berry joined the CSMS after moving to Colorado Springs in 1970. More than 30 years later, they are still generously contributing to the club. Ray's most recent effort involved converting all the club's historical photos into digital format. He catalogued and labeled each photo so they would be useful to future rockhounds.

Back in the 1970s, Ray and Eloise knew about rockhounding from Eloise's sister, an Arizona rockhound. She cut and polished, though, which did not interest Ray at all.

About that time, Eloise saw club member Ed Noone on TV talking about that year's show. Eloise convinced Ray to attend.

"I walked in prepared to see nothing but cabs and homemade jewelry and prepared

not to like it, probably," Ray says.

"But when I saw the crystals, and was told that they were natural, they hadn't been cut, and that they'd been dug right around here," he says, "that got my attention."

They signed up for the club right there, but the show was in July, and, unbeknownst to them, there was no meeting in August. By September, they were wondering what was wrong when the treasurer called and invited them to a meeting.

Their first field trips were to Bedell Gulch looking for amethyst and also to Gold

Camp Road looking for riebeckite.

A lifelong partnership of pursuing hidden treasures began the following summer when Ray and Eloise began digging in earnest.

See *The Berry's* on page 4



Ray and Eloise Berry January 2005

Mt. Antero

The Journey to Aquamarine

Robert Spomer

I have been intrigued by this (Antero) mountain since moving to Colorado in 1971. Mt. Antero is the 10th highest peak in the state at 14,269 feet in elevation. It is located between the towns of Buena Vista and Salida and borders the west of the Arkansas River valley in the Collegiate Peaks range. It was first prospected in the late 1800's, as were most of the rest of the mountains in the state. White men were first searching for riches in elusive gold and silver outcrops, but it wasn't gold or silver that was the real treasure here. Rather, it

was aquamarine crystals, those beautiful sky blue to sea green colored variety of gem beryl. To make it more intriguing, all known gem deposits here occur above timberline, making it the highest known gem locality in the United States. The aquamarine occurs in pockets or bubbles in the granite rock, mostly in what is known to scientists as miarolitic cavities. It is frequently weathered out into the scree and talus. Associated minerals can include well-crystallized specimens of smoky quartz, colorless

See *Aquamarine* on page 6

Drew Malin	<i>President</i>
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Rick Copeland	<i>Secretary</i>
James Bushnell	<i>Treasurer</i>
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Founded in 1936



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Honorary President

PICK & PACK

Our Staff...

Ethan A. Bronner *Managing Editor*
Cindy Bronner *Assistant Editor*

Robert & Naoko Murphy *Mailers*

We encourage everyone to submit articles, photos, illustrations or observations.

Share your experiences, trials and tribulations, your new finds, or simply your experience at our last field trip.

The ability to write well is NOT a requirement. We will fix the grammar while keeping the author's voice, style and work intact.

Handwrite it, type it or E-mail it. Format does not matter. All submissions are welcomed.

DEADLINE for items to be included in the next month's issue is the fourth Friday of every month. To submit an item, please use the following:

Photos:

For hardcopy photos, mail to the address below or bring them to the General Assembly Meeting. All photos remain the property of the submitter. All photos will be returned. Electronic photos should be submitted at resolutions above 200 dpi in TIFF or PICT format.

Articles:

Mail, E-mail, or fax to the address and numbers below. ALL FORMATS ARE WELCOMED.

E-mail:

CSMSpickANDpack@msn.com

Address:

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Phone & Fax:

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For faxes no precalls are required.

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PRESIDENT'S CORNER

Thank You and Please

Show is Just Around the Corner

Drew Malin



First and foremost, I'd like to thank Andy Weinzapfel and Steve Veatch for their presentation to the club this past meeting. We are truly lucky to have such distinguished scholars and gentlemen in our club. It is exciting to know that the programs we hear at our humble meetings may very well be published as new information in the study of geology and mineralogy. And most importantly, they somehow make it fun and interesting! Great job guys, and thanks again.

With only just over a month until our June show, the pace of activity is starting to pick up dramatically. Now is the time for all members to contact Lorrie Hutchinson, our show chairwoman, to see how they can help with the show. Since this will be a Rocky Mountain Federation show, we will probably need more volunteers than ever before, so PLEASE offer to help out.

There will be many extra activities added to this year's show agenda because of the Federation designation and Micromount symposium. One of the most notable will

be the banquet on Saturday night. This will be held at Howard's Pit Barbecue. Howard's is just north of Fillmore on Chestnut. You can see it from the highway on the west side. The cost is \$21.00 per person for an all-you-can-eat buffet. Special thanks to Kaye Thompson for arranging what sound like a terrific place to hold our banquet. The Federation will announce all of the awards for show cases, as well as from the past year. No doubt many of our members will be among the awardees, so everyone is encouraged to attend this fun night!

Finally, as promised, I'd like to *strongly encourage* all members to make a display for this year's show. I know I sound like a broken record on this subject, but lots of display cases are critical to a successful show. As I've said before, a case doesn't have to have thousands of dollars worth of mineral specimens. Quite to the contrary, educational displays are actually more interesting as they are all very different, and make a nice break from row upon row of specimens. Just to get you thinking, how about a case on how petrified wood is formed? Or how about one on glacial till and its effect on the rocks we find on the Front Range. Any area that interests one member will probably interest others, so jump in and try a case!



Colorado Topaz

May's General Assembly

Pete Modreski, U.S. Geological Survey

In addition to smoky quartz, amazonite, and many other well known (and quite a few lesser known) minerals, topaz is one of the more sought after minerals found in the pegmatites of the Pikes Peak batholith. The prominent localities for topaz are also sites for the other pegmatite minerals: Devils Head, Sentinel Rock, Crystal Park, Glen Cove, Lake George, the Tarryalls, Wigwam Creek, and Harris Park. There is a geologic pat-

Continued on next page



Collecting on belay at Glen Cove



Topaz from Glen Cove; the two faceted stones in the picture are 103 and 31 carats

tern to the occurrence of the topaz; all of these localities occur around late-stage, potassium-rich plutons that were intruded after the main mass of the Pikes Peak batholith was already in place. Some mas-

sive but non-gemmy topaz also occurs in a few of the large, mostly pocket-free, cylindrical pegmatite intrusions that comprise the South Platte pegmatite district. Elsewhere in Colorado, topaz crystals also occur in the much younger granite pegmatites on Mount Antero and Mount White, with spessartine garnet in the gas cavities in rhyolite at Ruby Mountain, and in several other pegmatites outside the Pikes Peak batholith.

May 2005 General Assembly
Thursday, May 19, 2005, 7:30

Colorado Springs Senior Center
1514 North Hancock Blvd.

May's refreshments courtesy:
Faceting Group

Minutes...

April 21, 2005

Drew Malin called the meeting to order at 7:43.

Minutes accepted with correction to the date in the heading.

Treasurer's Report:

- Normal expenses.
- Money coming in from dealers.
- \$730.50 generated from silent auctions.

Satellite Groups:

Camera, crystal, faceting, fossil, lapidary, micromount, and jewelry group leaders announced dates, meeting locations and program for next month.

Show Report:

- 39 dealers committed to date.
- Calling for members to have a display case in show.
- Guest speakers set.
- Field trips being scheduled.
- Show details on website.
- KKCS radio for advertising. Live spot on Sunday.
- Workday to refinish cases May 14 & 15. Contact Roger Pittman if you would like to volunteer.

Old Business:

None.

New Business:

Old Colorado Museum has a CSMS display case that needs to have the mineral display refreshed. Proposing satellite groups rotate display.

June meeting falls during show setup. Propose moving show to 2nd Thursday.

The general meeting was adjourned at 8:07 followed by an informative presentation by Andy Weinzapfel and Steve Veatch, "Treasures of Pikes Peak Backcountry: Order from Chaos."

Fluorescent Minerals Needed

CSMS will have a mineral display at the upcoming show. Any members who would like to display their fluorescents in the club show case please contact Boyd Cook at:

starfireminerals@msn.com

Please tell me what you have and the approximate size of the mineral so that I have an idea of the steps inside the case that will be needed. We will be emphasizing Colorado minerals but will be happy to display your minerals from any location.

Thank you, Boyd Cook

Show Display Case Work Day

In the past issues of the Pick and Pack, there has been some contradicting reports concerning the CSMS show cases. This has been due to many factors that seem to be changing weekly. In hopes of satisfying the best interest of our members, we will not only be keeping the old cases, but will also be making some of the new ones. This should satisfy the needs of all of our members.

Now we need to preserve what we have and help us look good to our visitors.

Last year we had a work day to fix all of our display cases; this year we need to finish the job. Roger Pittman will be holding a work day at his house on Saturday, May 14th. Each case needs to be sanded and a new clear coat applied.

For more details contact Roger at: 683-2603 or rpittman@netzero.com

We would like to thank everyone in advance for their participation.

Show Banquet

There will be a banquet this year in conjunction with the Rocky Mountain Federation Show. The banquet will take place at Howard's Pit Barbecue, 3350 N. Chestnut, just west of I-25, north of Fillmore Street. From I-25, take the Fillmore Street exit, then head west. Turn right (north) on Chestnut Street, which is a frontage road on the west side of I-25. Cost is \$21, which includes everything except the cash bar. The banquet will start at 6:30 p.m. Michael Wise will be speaking about "Emerald Deposits of Hiddenite, North Carolina."

To make reservations, use the show preregistration form in last month's Pick and Pack and on the website: www.csms.us. For questions, call Kaye Thompson, 636-2978, or Roger Pittman, 683-2603.

June General Assembly

Since the 2005 Pikes Peak Gem and Mineral show begins on June 17, the June general assembly has been rescheduled.

The third Thursday of June is the 16th. Since setup for the show will be taking place on this date, the June meeting has been moved to the 2nd Thursday of the month. We will be meeting on June 9th at the Senior Center at 7:30. There is another group scheduled for the main room so our meeting will be in the exercise room.

It is pertinent that all members interested in helping at the show attend this meeting. This will give us a chance to address all loose ends and answer any questions that members have. This will also give us a chance to discuss the final details and give us a week to deal with them.

The Berry's *Continued from page 1*

"Ever since we've been married," Ray says, "we decided that what we would do we would do together, and that we would try to give back."

CSMS has benefited tremendously from their generosity with their time. Both Ray



Eloise (show chairwoman) and Ray at the Pikes Peak Gem and Rock Show. June 1974

and Eloise have chaired the CSMS show, and Ray was president of the club from 1976-77. They led the crystal group for many years, and Ray and Eloise also edited the Pick and Pack for many years, retiring from that position less than two years ago.

Participation in the club was a family affair for the Berry's as their sons, Steve and Bob, became active in the club. Steve served as President and Editor, while Bob was Membership Secretary for many years.

Ray's broad knowledge of minerals is shared with anyone who asks. He worked hard to learn mineralogy. He joined Friends of Mineralogy many years ago and asked lots of questions. He read textbooks and magazines.

And he dug. A lot. As he dug, he paid attention to details in situations that allowed him to identify likely sites for digging.

He mostly dug on his own, and still does, because he could dig on his own schedule. For a long time, Eloise would dig with him.

Over the years, many club members have concluded that Ray has x-ray vision. His

ability to find crystals where nobody else did is legend.

He, however, insists it's not x-ray vision. By being persistent and observant, he says, they have found lots of crystals. "I realized that there's an awful lot of different kinds of pockets and pegmatites, so you can't think it's no good on that hill because the rock doesn't look good," says Ray. "I've always been one to look where other people don't, and that's been a big help to me."

One of these overlooked areas was his 2nd Mesabi claim. This area, near Crystal Peak, was one of their earliest digging sites and the location of their first claim. The 2nd Mesabi was the source of much of his extensive collection.

"It was in a rock that people just did not dig in," he relates. "There was one little, shallow dig when we started there on that hill, except way up at the top and there were a couple of digs up there. That was coarse-grained granite at the top, and everybody says you've got to dig in coarse-grained granite, that's where the pockets are. But most of the pockets we found were in the fine-grained diorite down where nobody had ever dug.

"I took [George Fisher] up to the 2nd Mesabi one time, and we spent the day digging there," Ray says. "When we got through and were going home, he said, 'Ray, I wouldn't waste any more time there, if I were you.' Fortunately, I didn't listen."

One bit of advice he did take came from Clarence Coil. One of his early 2nd Mesabi pockets produced topaz from a pocket of



Ray surrendering the CSMS Presidency to Brenda Hawley. January 1978

broken-up amazonite. At a gathering at George White's house, Ray told Clarence Coil about his amazonite and topaz find. "I

Continued

showed [the topaz] to him and Clarence said, 'Boy, you'd better get back up there and dig.' Well, I've dug it five times! Outside of Taryall Mountains," Rays says, "that's the only place where I've found topaz, and I've found phenakite there, also. Those are two of the things that are unique about the 2nd Mesabi."

"Clarence told me, 'Ray,' he said, 'go underneath their dumps.' And I know why he said that. So many people start digging and following some float or something and they don't go deep enough, and they dig right over the top of a pegmatite where the crystals are coming from and miss it.

That happened with us, one of the big pockets of goethite we found. Eloise had found it and she began digging and digging and digging and finding more and working up the hill. When she came to get me, I started down the hill further, and I frequently do that, and dig in deeper down there. I make sure I'm down deep enough. After you've been digging a while, you can tell what's float and what is decomposed gravel that is essentially still in place.... I found the seam, where the goethite was coming from. Then I followed it up. She had dug right up beside a big boulder, and this seam went right down under this boulder. That's where I found the best stuff, but I had to give up on it because I could only reach in so far. It's still there!"

"I've found from other dumps, not necessarily going under the dumps as much as going to one side of them works," he says. "I find an old dig or even one of my digs and I'll think, 'Well, I'll dig to one side here.' Several times that's paid off."

His efforts have paid off many times over. Ray and Eloise's collection is quite impressive, and they have won many awards for their show displays. Of all the awards, he is most proud of his trophies for most popular case, voted on by show attendees, and for best self-collected display.

"The biggest achievement is accumulating the crystals I have," he says. "To me, that's the most rewarding."

As far as the CSMS is concerned, both Ray and Eloise have enjoyed being part of a great group of people, especially the crystal and camera groups. They wish groups still



Ray doing what he loves best about rockhounding

met in people's homes, where they could share their collections.

Ray and Eloise like to show their collection to people. If you are interested, just ask them.

Ray also enjoys giving presentations. "One of the things I've said many times is when you're learning something, if you can pass it on to somebody else, it sets it in your own mind a lot better," he says. "If you gain knowledge you've got to use it or you forget it. Teaching it is a way to keep it in your own mind."

His first love, of course, is digging. Ray is a prodigious digger, with a reputation for out-digging anyone. He's ready to get back out there this spring. "I haven't dug since November," he says.

"I can hardly wait for him to go again," Eloise says.

"I don't think she means that," Ray laughs. "I dig all winter long whether I go out or not," he says. "I go to bed at night, and I think about digging and re-digging and digging. I do."

Maybe that's where he gets his x-ray vision. *The author is a member of the CSMS.*



Safely Showing Your Materials

by Bill Smith, AFMS President

This is the time of year when clubs are hosting their local shows, and we have an opportunity to show the public what our hobby is all about. It is also a time when we need to take precautions to make sure we return home with all our display material. I thought I would pass along some of the ideas that Janet and I use.

We first go in and check to see where we will be setting up our cases. Then we bring in ALL our display items. Janet will watch over these while I bring in and set up the display cases. If someone comes along and wants to talk or look at what we are doing, we ask them to come back when we are through setting up. Try to keep the area in front of your case clear of people. If you have more than one case, set up one at a time.

During the show we keep our cases locked. We used to keep duplicate material under the table below our cases but, after a valuable lesson, we now take the material back with us.

Breakdown seems to be the most confusing time of any show as we all want to get our material removed and be on our way. The host club usually wants to break down as soon as possible so they can go home for some needed rest. This means we have people and broken down cases going in all directions and is an easy time for material to come up missing. Again, if you have more than one case, open and empty one case at a time. Make sure two people are present at all times so one can watch as the other breaks down. I then completely remove the first case and take it to the pickup while Janet watches the contents and we continue to break down in this manner until I have the last case loaded. We then take ALL the case contents on the LAST trip. This way we never leave any case material unattended in the vehicle. I will never forget the gentleman that removed a beautiful case of jasper, took it to the car, opened the trunk where he placed the material, left the trunk open and went back in to break down his case.

Janet and I have an RV and didn't know how unsafe they were until the door was unlocked and a stranger entered. It was about one in the morning. That was when we found out a single set of keys will open most RV's of the same make. If yours is that way, you may want to also have your locks changed.

If TWO of you set up and breakdown, keep the area in front of the cases CLEAR and ALWAYS keep your items in sight, you should have a safe and fun time displaying at the shows.

Source: AFMS May 2005

Rock Poems

An Emerald Is as Green as Grass

By Christina Rossetti

An emerald is as green as grass,
A ruby red as blood.
A sapphire shines as blue as
heaven;
A flint lies in the mud.
A diamond is a brilliant stone,
To catch the world's desire.
An opal holds a fiery spark;
But a flint holds fire.

Stepping Stones

Stepping over
stepping stones,
One, two, three.
Stepping over
stepping stones,
Come with me.
The river's very fast,
And the river's
very wide,
We'll step across
on stepping stones,
And reach the
other side.

Little Pebbles

One little, two little,
Three little pebbles.
Four little, five little,
Six little pebbles.
Seven little, eight little,
Nine little pebbles,
Ten pebbles . . .
rolling in the stream.
lying on the beach.
hiding underground.
warming in the sun.

Rocks

I like rocks.
big rocks, little rocks,
heavy rocks, light rocks,
I like rocks.
A rock in a river bed
A rock in a flower bed
I like rocks.

A Rock Song

(sung to the tune of "Frere
Jacques")
Rocks in my pockets,
Rocks in my pockets,
Big and small,
Big and small.
Shiny little pebbles,
Shiny little pebbles,
Found them all,
Found them all.

Source:

<http://members.shaw.ca/henriksent/rock.htm>

Aquamarine *Continued from page 1*

quartz, white feldspar (mostly microcline, but also adularia and clevelandite); green, violet, or colorless fluorite (in octahedrons); apatite and fine colorless to sherry phenacites. More rarely, one can find colorless to sherry to orange crystals of topaz and the rare beryllium mineral bertrandite.

Collecting in the early years was all by foot, requiring a difficult climb from the base. In the early 1950's a company from Texas built a road up the west side of the peak to mine beryl and possibly molybdenite. The venture was short-lived, as it soon became apparent that the beryl was not concentrated enough to make mining economical, especially considering that the mining season at that altitude usually lasts only from June through August. The best thing about it was eventually providing access up the mountain for the more average rockhound. One of the problems of high-altitude collecting is the constant threat of storms and lightning most afternoons, definitely a scary thought above timberline. Another is altitude sickness and possible hypothermia for those unprepared for sudden changes in temperature. I must stress that working at high altitudes is definitely NOT easy. Having a vehicle nearby for quick retreat is definitely comforting, although there are always a number of hikers up there every summer who prefer the challenge of doing it the harder way (or perhaps have no other choice). It is always a challenge and adventure to go up the mountain however, whether by foot or four-wheel drive. The seven mile "one way" drive is rocky, bumpy, steep, narrow, and above timberline involves some hazards. One miscue on the switchbacks or shelf road could result in a tumble of a thousand feet or more! If you make the trip by vehicle, please stay on the established trails and do not cut across the fragile tundra areas. There are both patented and unpatented mining claims in the area, but most of the land is considered open for hand-digging. The only one I know of that is off-limits is the actual tunnel of the California Mine (patented claim). As of a few years ago the access portal has been caved in and covered with slide debris. Things can change, so be aware of any strictly enforced "keep out" areas that may exist.

The road is in some ways a disadvantage to serious collecting as well as a distinct advantage. With more people comes more collecting. With more collecting comes more depletion. The problem is that the "easy stuff" has mostly disappeared now. If you aren't with someone who knows the area, you can easily miss a likely digging area as

most of the surface float has been picked up already. Digging has always been hit and miss (mostly miss) and good finds scarce. The collector who finds a large pocket of fine aquamarine is indeed extremely fortunate. If we only had x-ray vision to see under the surface! But there are many good areas where a reasonable amount of scratching and shoveling should result in a few decent small smokies or beryl matrices, maybe even some fluorite or one of the other desirables or a chip or two of aquamarine. Success often depends on knowing a bit about the geology, as well as experience. Perseverance pays!

The color of the aquamarine here ranges from colorless (actually "goshenite") to deep blue, with lighter blues being the average. Green colored stones are rare as are yellows (heliodor) which will always have a green tinge. I was lucky enough to discover and identify the first morganite beryls from here (morganite is peach to pink beryl) in a prospect pit on Carbonate Ridge near the famous California Mine (located a few miles to the southwest of the main peak of Mt. Antero). Clear areas large enough to cut over a couple of carats clean are uncommon. Most crystals have veils or inclusions or etching which prevent maximum yield. The largest stone I have cut from here that was eye-clean is about 9 carats. I have seen several specimens that would yield stones up to 15 or 20 carats or more, some of which are very fine deep blue. If you find a perfect terminated crystal however, it is usually considered a sacrilege to cut it into gemstones. They are beautiful in their own right and MUCH scarcer than broken chunks or pieces or damaged crystals which can be cut. To cut up or disassemble a fine crystal group (crystals of different species attached to matrix or with other crystals implanted thereon) should be made a criminal offense! (And keep in mind, this is a cutter talking.) I have seen gorgeous specimens from here with phenacites or fluorites implanted on the termination or side faces of the aquamarine crystals.

If you are interested in learning more about this fascinating place, may I suggest the book *Antero Aquamarines* by geologist Mark Jacobson, and published by L.R. Ream Publishing. It is a limited edition printing, but the soft cover version can be had for around \$15-\$20.

Source: Buena Vista Gems Works at
www.buenavistagemworks.com



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Florissant Fossil Beds

National Park Service
U.S. Department of the Interior

Florissant Fossil Beds
National Monument



Summer Seminars Series and Fees

Florissant Fossil Beds National Monument offers one or two-day seminars in a variety of geology, biology, humanities, and paleontology courses. The regular fees for each seminar are \$50.00 per person for a one -day seminar and \$65.00 for a two -day seminar. Reduced rates are available for members of the Friends of the Florissant Fossil Beds, Inc (See section on Friends group below). A special rate is available for teachers who join the Friends of the Florissant Fossil Beds and sign up for seminars between May 1 – May 15, 2005. This can be by phone or mail postmarked by May 15th, 2005. This special rate is \$30.00 for a one day (1/2) and \$40.00 for a two day seminar.

Upon registration, participants will receive a seminar information packet. Registration information will be available on the Monument's website after April 15th, 2005 at <http://www.nps.gov/flfo> and go to the link for Education Programs.

Teacher Friendly Graduate Credit

Teachers can earn graduate credits through the Division of Extended Studies of Adams State College. Adams State charges \$22.50 for a ½ graduate credit (one -day seminar), and \$45.00 for 1 graduate credit (two -day seminar). BOCES recertification credit is available for \$5.00 for ½ credit, and \$10.00 for 1 credit. (No discounts are available for tuition).

Friends of the Florissant Fossil Beds N.M.

If you join the Friends of the Florissant Fossil Beds, Inc. either as an individual or family, you will receive a \$10.00 discount on the seminar fee. A one -year, individual membership to the Friends is \$15.00 and a one-year, family membership is \$27.00. Seminar discounts are only available to current members or those who join with their seminar registration. If you are no longer a member, you may wish to renew. Remember, if you are a teacher AND a Friend member AND you register early (See first section) you get a special rate of \$30.00 for a one day seminar and \$40.00 for a two day seminar.

Schedule

Date	Time	Topic	Instructor
June 18, 2005	8:30 – 5:00	Natural History of the Florissant Valley	Richard and Linda Beidleman
June 25, 2005	9 - 5	Messages in Stone	Vince Mathews
July 2, 2005	9-5	Tools and Tips for Observing and Investigating Montane Mammals	Pat Grove Scott Davis
July 9, 2005	9 - 5	Short Supply and Tall Demands: Colorado's Homesteading Boom, Its Impact on Women and Their Impact on It, circa 1870-1900	Julie Eddy-Jones Kathy Sturdevant Walt Stark and Park Staff
July 17, 2005	9 - 5	From Florissant to Guffey: Styles of Volcanism and the Shape of the Land	Bud Wobus
July 23, 2005	9 - 5	Ancient Life and Landscapes of Florissant	Herb Meyer
July 30 - 31, 2005	8 – 5:30	Geologic History of the Goldbelt Byway	Herb Meyer Woody Henry
August 6, 2005	9 - 5	Teacher Workshop: Using Florissant Fossil Beds National Monument to Teach Paleontology and Geology	Jeff Wolin
August 20, 2005	9 - 5	Geology and History of the Cripple Creek Mining District	Steve Veatch

Contact Information

For more information about prices, logistics, registration, or any other questions, please look at our website: <http://www.nps.gov/flfo> and go to the link for Education Programs. You may also contact Jeff Wolin at (719) 748 – 3253 or fax at (719) 748-3164 or email at jeff_wolin@nps.gov or send a letter to PO Box 185, Florissant, CO 80816.

REGISTRATIONS WILL NOT BE TAKEN UNTIL AFTER MAY 1st, 2005

The seminar series is sponsored by the Friends of Florissant Fossil Beds, Inc.



AFMS Land Use Policy

1. Adherence to the AFMS Code of Ethics assures compliance with most statutes and regulations governing collecting on public lands and encourages respect for private property rights and the environment. Clubs are urged to read the AFMS Code of Ethics in at least one meeting every year, to publish the Code frequently in the club newsletter, and to compel compliance on club field trips.

2. Individuals and clubs are urged to write their elected representatives and land use management agency supervisors regarding issues of rule making, legislation and enforcement affecting field collecting of minerals and fossils.

3. Individuals and clubs are urged to join and support activities of the American Lands Access Association (ALAA), a sister organization with responsibility for advancing the interests of earth science amateurs with legislatures and land use management agencies.

4. The AFMS will receive a report from ALAA at its annual meeting.

5. The AFMS endorses the principle of multiple use of public lands as a guarantee of continuing recreational opportunities.

6. Wilderness and monument designations are inconsistent with the principle of multiple use. In view of the vast amount of public land already designated as wilderness and monuments, future such designations should be minimal, taking into account the increased demand for recreational opportunities, including rockhounding, created by a growing population.

7. In furtherance of the principle of multiple use, the AFMS believes that laws, regulations and rules established by relevant governmental authorities should be designed to allow freest possible access to all public lands, coupled with minimal restrictions on the recreational collection of minerals, fossils, gemstone materials and other naturally occurring materials.

8. A right to collect minerals and fossils on public lands should be protected by statute.

9. The AFMS urges its members to work with any or all government authorities to achieve a good working relationship in order to improve the "Public Image" of recreational collectors.

	Non Friends Member	Friends Member	Friends Member, Teacher between May 1 – May 15 th
One Day	\$50.00	\$40.00	\$30.00
Two Day	\$65.00	\$55.00	\$45.00
Adam's State ½ Credit – One Day	\$22.50	\$22.50	\$22.50
Adam's State 1 credit – two day	\$35.00	\$35.00	\$35.00
BOCES – ½ credit One day	\$5.00	\$5.00	\$5.00
BOCES – 1 Credit – two days	\$10.00	\$10.00	\$10.00

2005 Field trips

14 May - Saturday

Fountain Creek: River Crystal, Agate, Petrified Wood

Drew Malin will lead a trip to Fountain Creek. You will walk in and around the creek so sandals or old shoes are appropriate.

Contact Drew at 531-7594 OR advanceone@adelphia.net

21 May - Saturday, 9:00 a.m.

CSMS Claim, Lake George: Amazonite, Smoky Quartz

Ray Berry will lead a trip to CSMS claim near Lake George. Meet at the Ranger Work Center. Bring hard rock tools, food, water, sunscreen, etc. Four Wheel drive, high clearance vehicles is mandatory. Contact Ray at 598-7877.

20-23 June - Mon. - Thurs.

Complete details will be in the June issue.

Mon: Hartzel - Beryl

Tue: Florrisant - Fossils
Still Tentative

Wed: Gold Camp Road

Thur: *Tentative*

23 July - Saturday, 9:00 a.m.

Lake George: Amazonite, Smoky Quartz, Fluorite

Rich Fretterd will be leading a trip to the Holy Moses claim near Lake George. Meet at the Lake George Ranger Work Center.

Four wheel drive is recommended. Bring hard rock tools, sunscreen, water, food, etc. Be prepared to dig in the dirt. Contact Rich Fretterd at 687-0671.

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Riverton Mineral and Gem Society Presents

Paleobotany Seminar

Identification of Fossil Woods

Walt Wright, Paleobotanist, will be presenting an intensive 26-hour seminar in Riverton, Wyoming, on July 14, 15 and 16. There will be 30 nonmember* seats available at a cost of \$60.00 (inclusion of three meals).

From the North Orange County Gem & Mineral Society, 2004 Jubilee of Gems Show, La Habra, California:

"Mr. Wright is a Botanist/Ecologist/Paleontologist /Geologist and Paleobotanist. Mr. Wright claims his mother, who had a PhD in science & math, gave him his first piece of petrified wood at the age of 10. This opened a new fascinating world into the study of petrified wood.

Mr. Wright has worked for the U.S. Forest Service and the University of California. He has been a consultant for various government agencies. Mr. Wright has done extensive writing in the field of petrified woods. He wrote a chapter on the Triassic Chinle Formation on fossil woods in 2002, the "Secrets of Petrified Plants" in both English and German. When asked about his degrees, he sort of chuckled and said he had some, but that they were not that important, so we would just assume that he has quite a few.

His recent study is Fossil Tree Ferns out of Argentina, first discovered and reported in the Southern hemisphere, which was published in Review of Paleobotany & Paleontology Journal. He is presently working in Utah describing new species of seed ferns from Queensland, Australia."

This seminar is by paid reservation only! No walk-ins because of the catering of meals. Call for a packet: Alice Gustin: 307-856-3699 or e-mail: agustin@wyoming.com. All reservations must be paid for and received by July 7th, 2005.

This is not a club fund-raising project; all funds above costs incurred by the club will be donated to Walt Wright for his traveling expenses, which he is not charging us. We want to be able to thank him for his generosity and sharing of this wealth of knowledge to rockhounds.

Board Meeting: 1st Wednesday @ 7:00
Drew Malin: 531-7594

April's meeting again will be at the usual place at the regular time.

Camera Club: 4th Tuesday @ 7:15
1514 North Hancock, C/S
Roger Pittman: 683-2603

The camera club meets on the fourth Tuesday of the month at the Senior Center at 7:15 pm. The competition for April was won Eloise Berry. The subject for May is "Clouds;" the subject for June is "Gemstones."

Crystal Study Group: 2nd Friday @ 7:30
1514 North Hancock, C/S
Kerry Burroughs: 634-4576

The Crystal Group will be putting the final touches on the Crystal Group case. Please bring your Colorado specimens. Reminder: Crystal group does not meet through the summer months. This will be the last meeting until September. Please bring your field trip ideas and dates for the summer field trip schedule.

Jewelry Group: 3rd Saturday @ Noon-4:00
6608 Gambol Quail Drive East, C/S
Rick Copeland: 594-6293

The Jewelry subgroup will meet Saturday, May 21, from noon until 4:00, at Rick Copeland's house, 6608 Gambol Quail Dr E. Phone 594-6121.

Faceting Group: 4th Monday @ 7:00
Dave Wilson: 635-7891

The faceting group will meet at Lorrie Hutchinson's on 10915 Grassland Rd. on the 4th Monday, May 23rd at 7 pm. For those who live on the north or west side of Colorado Springs please meet at my house (Dave Wilson) 1161 Cenotaph Way about 6:15 and we will carpool to Lorrie's. I plan to show the 2nd installment of In Search of Precious Stones.

Fossil Study Group: 4th Thursday @7:30
John Harrington: 599-0989

Fossil meeting will be May 26th at Naoko Murphy's, 4130 Scotch Pine Dr. in Briargate, at 7:30. Jim Buck will do a program on ammonites stored in a warehouse in Denver.

Lapidary Group: 1st Saturday @ Noon
3085 Rhapsody Drive, C/S
Drew Malin: 531-7594

The Lapidary Group will be meeting at Drew's Laboratory for Lapidary Studies. This month's activities will include rock licking, lapping, and socializing with good company.

Micromounts: 2nd Tuesday @ 7:00
1514 North Hancock, C/S
Phil McCollum acc@frii.comm
Moyra Lyne: 442-2673

President	Drew Malin	531-7594	advanceone@adelphia.net
Vice President	Rick Olson	531-7818	RickPat66@aol.com
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Treasurer	James Bushnell	598-9262	bushy@pyramidpeak.com
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Member-at-Large	Louis Severini	687-9491	
Member-at-Large	John White	630-0300	bluski2222@msn.com
Past President	Robert Landgraf	687-3195	RMLWP74@aol.com
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Field Trip Director	Brent Williams	632-3552	zaphod1863@yahoo.com
Librarian	Mary O'Donnell	689-7209	mod4185@compuserve.com
Camera Club	Roger Pittman	683-2603	rpittman@netzero.com
Crystal Study	Kerry Burroughs	634-4576	kburroug@adelphia.net
Faceting Group	Dave Wilson	635-7891	dlwilson@pcsisys.net
Fossil Group	John Harrington	599-0989	harrington1@mindspring.com
Lapidary Group	Drew Malin	531-7594	advanceone@adelphia.net
Micromount	Phil McCollum		acc@frii.com
Jewelry	Rick Copeland	332-7915	rick.copeland@covad.net

Events

- 4 **May - Wednesday, 7:00**
Board Meeting
- 7 **May - Saturday, Noon**
Lapidary Group
- 10 **May - Tuesday, 7:30**
Micromounts Group
- 14 **May - Saturday, 9:00**
Show Display Case Repair Day.
See Side-bar Page 3
- 13 **May - Friday, 7:30**
Crystal Study Group
- 19 **May - Thursday, 7:30**
General Assembly
- 21 **May - Saturday, Noon**
Jewelry Group
- 23 **May - Monday, 7:00**
Faceting Group
- 24 **May - Tuesday, 7:15**
Camera Group
- 26 **May - Thursday, 7:30**
Fossil Group

See Side-bar on page 8 for field trip schedule

- 1 **June - Wednesday, 7:00**
Board Meeting
- 4 **June - Saturday, Noon**
Lapidary Group
- 9 **June - Thursday, 7:30**
General Assembly
- 10 **June - Friday, 7:30**
Crystal Study Group
- 14 **June - Tuesday, 7:30**
Micromounts Group
- 17-19 **June - Fri, Sat, Sun.**
Pikes Peak Gem and Mineral Show, The Rocky Mountain Federation of Mineralogical Societies 2005 Convention, & the Rocky Mountain Micromineral Symposium
- 23 **June - Thursday, 7:30**
Fossil Group
- 27 **June - Monday, 7:00**
Faceting Group
- 28 **June - Tuesday, 7:15**
Camera Group

Ethan A. Bronner, Editor



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Joining the Colorado Springs Mineralogical Society (CSMS)

General Assembly meetings are the third (3rd) Thursday of each month, except August, 7:30 p.m. at the Colorado Springs Senior Center, 1514 North Hancock Blvd., Colorado Springs, CO. **Visitors are always welcome.**

CSMS also offers Satellite Group meetings that allow more focused attention in specific areas of our members' interests. Our current Satellite Groups consist of the following: Camera Club, Crystal Study Group, Faceting Group, Fossil Study Group, Lapidary Group, Jewelry Group. For details of Satellite Group meetings, see page 9.

Yearly Dues include the 10 issues of the **PICK & PACK**, all field trips (additional fees may be required on some field trips and members are responsible for all transportation to and from), participation in all Satellite Groups (some groups may request additional fees to help cover resource costs), free admission to the *Western Museum of Mining and Industry*, a year of learning and enjoyment, plus a lifetime of memories. Individuals - \$15.00 Family - \$25.00 Juniors - \$2.00

If you are interested in joining the CSMS or would like more information, we encourage you to attend our next General Assembly meeting (see page 2 for details of the next meeting) or visit our website: www.csms.us