CSMS School Outreach

A rockhound goes back to school

Roger Pittman

In our constitution, the CSMS lists the objectives of the club, the first of which is: “To promote, increase and disseminate knowledge of and about minerals and their uses.”

Many of our members have—and still do—presented at our local schools and other groups. I first started speaking to school children about 11 years ago. The first few times that I spoke to a group, I was terrified. But I’m beginning to overcome that fear a little now.

I have developed a “standard” talk that I use whenever the teacher doesn’t have a specific subject that he/she wants covered. I have also modified this talk to meet the basic requirements for the Webelos geology badge. My talk is usually about ½ hour long. At the conclusion of my talk, the group is divided into smaller groups where I allow the children to touch the specimens and ask questions.

See Outreach on page 4

FEDERATION NEWS

Fossil Legislation Being Considered

A summary of an article in the AFMS newsletter

John Spunaugle

The Paleontological Resources Preservation Act, Senate Bill S-263, is now being considered by the U. S. House of Representatives Natural Resources Committee. This bill, for all practical purposes, is identical to the fossil bills considered by the 108th Congress in 2003-4. Therefore, past comments by previous AFMS and ALAA (American Lands Access Association) reviewers apply to this latest introduced bill, S-263. Again, as in the last Congress, the Bill was passed by the U.S. Senate by voice vote and has been referred to the U.S. House of Representatives for consideration and possible passage.

In the last Congress, several reviewers called it a “bad bill” primarily because it criminalized fossil collecting with outrageous penalties for picking up a fossil on public land. The bill was also criticized for its reward provisions for turning in violators, making it rife for abuse.

The S-263 bill has some good points and some bad points. For someone like myself, who helped write the first version of the “rockhound” fossil collecting bill, and worked to defeat the so called “Baccus” Bill in 1992-3, I can clearly see some improvements. Some of the remaining objections to the Bill S-263 in its current form are as follows. The bill fails to make a dis-

See Fossiles on page 5

Proud Members of:

American Federation of Mineralogical Societies (AFMS)
Rocky Mt. Federation of Mineralogical Societies (RMFMS)
Colorado Federation of Mineralogical Societies (CFMS)

Colorado Springs Mineralogical Society
Founded in 1936

Lazard Cahn
Honorary President
Farwell to a Great Year

Thanks to our members

Drew Malin

As we come to the end of another year, it's time to step back and take a look at the condition of the CSMS. In almost all aspects, 2005 was very good to us. We had a very successful Federation show, one of the hardest projects faced by our all-volunteer organization. The 2005 CSMS/Federation show was one of the largest and best attended in our history. We have generated much new interest in our hobby and our club. Through our website and our show, membership is as large as at any time in our history. We continue to sponsor educational events such as the Pikes Peak Science Fair, the Western Museum of Mining and Industry, the Florissant Fossil Beds Museum and, of course, our own scholarship awards.

Special mention and thanks goes out to all of the people who have volunteered their time and money to make all this happen. More and more members step up to help every week, and the club wants you to know we appreciate it.

This January, as in all years past, we will be holding our Officers Induction Banquet. This year’s banquet will be held at the Embassy Suites here in the Springs. I want to personally invite all of our members to attend. This is a great chance to meet your fellow club members in a relaxed atmosphere. Even if you can't make it in time for the dinner, feel free to come after to socialize and listen to our great guest speaker, Steve Veatch.

Finally, and perhaps most importantly, all members should be getting emails on current club events, but email being what it is, I am sure we are missing some people. If you are a member and are not receiving the club emails, please send a note to info@csms.us and give us your current email address. You don't want to miss things like impromptu field trips that are announced only through email.

Thank you all for a great 2005; see you all for an even better 2006! Until then, everyone have a Merry Christmas and happy New Year.

Christmas Party

December’s General Assembly

Another year is coming to a close, and this signals the time for the annual Colorado Springs Mineralogical Society's Christmas Bingo party. In place of our regular usual format we will be holding a quick business meeting and get the party started with Christmas refreshments and several varieties of Bingo games.

All family members of all ages are welcome. If they can play Bingo, then they are invited. Bring a holiday refreshment, some Christmas spirit and your good luck. Everyone will leave with a smile.

Just a reminder, there is not a Pick and Pack published in January, the General Assembly will be replaced by the annual banquet (see page 8), and not all Satellite Groups meet, so check page 13 or with your group leader.

Merry Christmas to all and a joyous New Year.

December 2005 General Assembly
Thursday, December 15, 2005, 7:30

Colorado Springs Senior Center
1514 North Hancock Blvd.

December’s refreshments courtesy: Everyone
Minutes...

November 17, 2005

Rick Olson called the meeting to order at 7:35.

Minutes from previous general meeting were accepted.

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

**Old Business:**

Silent Auction – Saturday, December 3, 10:00-2:00. Numerous jewelers donating. Looking for member donations.

New faceting machine for Senior Center. CSMS and Senior Center funding 50/50. Dave Wilson arranged a special price of $553.50.

**New Business:**

Board proposing raising dues to $20 for regular and $30 for family. Any regular or family member paying before January 31 may deduct $5. Motion passed.

The general meeting was adjourned at 8:02 p.m. followed by Joe Dorris’ presentation on Large Scale Crystal Mining.

November’s General Assembly

*Small group, big presentation*

The November 2005 General Assembly was a smaller-than-usual gathering of members and guests. Even Drew, our fearless leader, was not able to attend due to an autumn cold. The lower-than-usual turnout was probably the result of a late mailing of the Pick and Pack. The overworked and soon-to-be former editor would like to apologize for this shortcoming.

Nonetheless, those members who were able to make it were treated to a great presentation by CSMS member and owner of Glacier Peak Joe Dorris.

Joe went into great detail about his early days in the CSMS and mineral hunting, up to his current endeavors into large-scale crystal mining. He reviewed the many hurdles, both red tape and financial, that a prospective large-scale miner has to overcome. Even after years of paperwork and thousands of dollars invested, there are no guarantees he will get a permit to bring in heavy equipment. However, for Glacier Peak the successful completion through the county, state, and federal obstacle course of laws and regulations have proven worth the journey.

Joe came equipped with a great Power Point presentation abundant with many photos of his mining operations. He had photos of the dig, the pockets, harvesting of the pockets, cleaning the minerals, and, finally, the spectacular specimens.

Joe Dorris and his sons are proving that the Crystal Creek region has some of—if not the—world’s best amazonite and smoky quartz crystals. Sadly, it takes thousands of dollars and a thirty-foot-deep hole to acquire them.

Thanks, Joe, for this great presentation and the abundance of information and knowledge you freely shared with the lucky members in attendance.

For those that missed this presentation, Glacier Peak’s web site offers hours of entertaining surfing: http://users.frii.com/glacier/Index/GlacierHomePage/GlacierHomePage.htm

Members Approve Change to Dues Structure

In the hopes of encouraging our members to pay their dues early in the year, the CSMS members unanimously voted (those present at the November General Assembly) to change our dues structure.

Like all clubs, the CSMS has problem getting members to pay their dues at the beginning of each year. To encourage their membership to pay on time, many organizations have switched to a system that rewards those who pay by January 31st.

A reminder: this is not really an increase for those who pay their dues by January 31st of each year. Dues will remain the same at $15 for individuals, $25 for families and $2 for Junior memberships. However, for those Regular and Family members who pay after January 31st, the dues structure becomes $20 for individuals, $30 for families and $2 for Juniors.

The APPROVED change will read as follows:

**ARTICLE V - DUES**

1. Membership dues shall be:

   - Junior members $2.00
   - Regular members $20.00
   - Family members $30.00

   Any REGULAR or FAMILY member who pays his/her dues before January 31st may discount $5.00:

   - Junior members $2.00
   - Regular members $15.00
   - Family members $25.00

**DUES R DUE**

To help keep our records up to date and make our Membership Directory complete we are asking all members to fill out a Membership Application form. Yes, even Lifetime Members. Simply write “Lifetime Member” at the top of the form. Our new form appears on page 11 of this issue, and is available on our website and at every General Assembly meeting.
Forest Service Closing Roads

Ralph Parkes, the owner of the Fat Chance Claim north of Lake George, recently let Ray Berry know that the Forest Service has closed Roads 205A and 207. These are the two roads that take you up Quartz Hill. Ray talked about these roads in his September presentation.

Forest Service Road 200A is now the only access to Quartz Hill (this is the short road off of Trail Creek Road that ends in a cul-de-sac at the southern base of Quartz Hill). Forest Service Road 215 is still open (the road that parallels the South Platte that you access via Lake George Park); however, that road is slated for closure. It won't be long before this happens.

It may be time for the CSMS to look into ways to prevent the Forest Service from continuing to reduce access to mineral-rich areas through road closures.

Silent Auction a Big Success

The 2005 CSMS Silent Auction was hosted this year by the faceting group, which was very pleased with their return. With the proceeds of $1270, the faceting group will purchase a faceting machine. This machine will be put in rotation among the group members, to take home and practice at their leisure.

Thanks to everyone who made this Silent Auction a big success.

Volunteers NEEDED

The CSMS is in need of a leader for the Pebble Pups and someone to mail the Pick and Pack. The Pebble Pups leader can do whatever level of activities they are comfortable with.

The person or couple that volunteers to do the mailing will only have to work a couple hours a month, 10 times a year. It is really a simple job and a very important one to this organization. Thanks again to the Murphy's for their last two years of service.

Outreach Continued from page 1

What Do I Say?

I like to talk about Colorado's geologic history in a very simplified version. A very long time ago Colorado was covered with a warm, shallow sea. The sea was teeming with life. [I show fossil clam, baculite shell, ammonite, and limestone samples.] Limestone is formed from the calcium of the shells and bones of the animals combined with carbon dioxide. Limestone has many everyday uses, including antacids, cement, flux and building materials.

Our mountains were still deep within the earth and were just beginning to push their way to the surface along with the uplift of the continent. This uplift caused the water to run away and dry up. Salt deposits were left as a result of the sea drying up. Some of the salts are common table salt, Hanksite, calcite, Selenite, and gypsum. We have to eat some of these salts to live and grow and others we use to build our homes. Gypsum is used to make the sheetrock used on our walls. Calcium builds our teeth and bones.

The mountains pushed up and, as they did, the rock cracked, allowing superheated, mineral-saturated water from deep within the earth to rise up. As this water cooled, veins of minerals were deposited and sometimes crystals formed. [I show quartz and feldspar crystals.] Quartz is used to make glass, ceramic glazes, clocks, piezo igniters and is even used in those little pink and blue bags of artificial sweeteners to prevent clumping. Feldspar is used to make ceramic glazes, glass and when it decomposes it becomes clay that is used for ceramics, and filler in thousands of items. Clay is mixed with plastic, in rubber tires, carpet, linoleum, tape, soap, shampoo, conditioner, kaolinite, and pepto bismol.

As the mountains rose, they pushed pyrite in all three types of rock. Pyrite, or "fools gold," is used to make sulfuric acid that makes the batteries in our cars work. Sulfur is also used to make medications such as sulpha drugs and Neosporin®.

Near Salida, Colorado there were large deposits of iron. General Palmer opened mines to mine the iron and brought it to Pueblo to make steel. High strength steel is a combination of metals usually including chrome and manganese. These metals normally do not melt at the same temperatures and will not bond to each other unless we add a flux. Limestone feldspar and fluorite make excellent fluxes. [I show iron ore, chrome, magnesium, feldspar, fluorite, and limestone.]

In our current geologic time, we are in an unusually cold period. Relatively recent (10,000 year old) glaciers are melting. Woolly mammoths lived in our current geologic period but are now extinct. They were as much as fourteen feet tall and lived right here in Colorado Springs! [I show a tooth found near Security, CO.] If we warm up to what is normal for our planet, we may see palm trees growing in Colorado Springs once...
again. [I now show fossil palm wood from Colorado Springs.]

I have a number of other specimens that I talk about if time permits. I give each child a small bag containing three specimens and an information sheet about our club and the specimens they receive.

Please, if you have decent specimens—crystal points, pyrite and such.—I can use them. I usually speak to 500 children during the school year. You can bring them to the meeting or call me and I’ll pick them up. If you would like me to talk with your group please call me: Roger Pittman, 719-683-2603.

The Author is a Member of the CSMS. He has served as both our president and the president of The Rocky Mountain Federation.

Fossils

Continued from page 1

tinction between scientifically significant fossils versus common fossils. Instead, it defines the paleontological resources it would protect to mean “any fossilized remains, trace, or imprints of organisms preserved in or on the earth’s crust...except for archaeological resources or those associated with an archaeological resource. (The latter are covered under an archaeological resources protection act passed years ago). Casual collecting of a reasonable number of common invertebrate and plant fossil specimens may be allowed under this Bill in Section 5, at the discretion of the Secretary (the land managers). Therefore, amateurs “may” be able to collect certain common invertebrate or plant fossils found on federal lands but not necessarily. Only hand tools could be used and collecting cannot cause more than a negligible surface disturbance (undefined). Collecting common vertebrate fossils, such as fish fossils, sharks teeth and the like, would be a violation of the act, as would picking up an isolated single dinosaur bone fragment in the badlands of the western United States if it was on federal land. All other collecting of paleontological resources on Federal lands would require a permit issued by the Secretary (the managers) and be given only to “qualified” applicants. The resources collected would remain the property of the United States with the resources collected and the associated data deposited in an approved repository when collected under a permit.

Further, there would be no commercial collection of fossils allowed. This would preclude anyone, amateur or otherwise, from selling, trading, or bartering any fossil collected on federal land. Not only does this affect amateurs, but also completely eliminates the valuable and considerable contributions to paleontology that commercial fossil entities have provided in the past in discovery, extraction, and preparation of fossils. The dinosaur “Sue,” a Tyrannosaurus Rex, is a perfect example.

Penalties for criminal violation of any provisions of this Bill would result in fines in accordance with Title 18 of the U.S. Code, and/or imprisonment for up to 10 years. Title 18 provides for fines ranging up to $5,000 and up to $10,000 in certain circumstances. Violations would be prosecuted in Federal Courts.

Civil penalties are also provided for in the bill and can go as high as double the replacement cost or restoration cost of the resource involved as determined by the land managers. No due process is required under the civil penalty provisions other than a required notice of a hearing. A judicial review petition is allowed only within a thirty-day period following any civil penalty assessment, but the court is allowed to rule only on the evidence presented in the hearing report. Forget “innocent until proven guilty” and the right to a trial by your peers.

Fossils in your collection, especially if you cannot prove where they came from, are subject to the provisions of this bill. Most fossils I know of don’t say Made in China or Hocho en Mexico on them. And, how many of you kept receipts on items purchased, or can you vouch for exactly where the vertebrate fossils really came from even if you did purchase them and can prove it? The Bill calls for a person to exercise “due care” in knowing whether the resource was excavated or removed from Federal land. Again “due care” is undefined.

Also subject to forfeiture under this Bill are the paleontological resources with respect to which the violation occurred; in addition all vehicles and equipment of any person that were used in connection with the violation may be forfeit. I’m not a lawyer, but do have knowledge of what has happened to several collectors and to several hobbyists in the past with regard to property confiscated, rightly or wrongly. In most cases nothing was ever returned, regardless of its being legally obtained.

So, I worry for fossil collectors if this Bill. S-263 becomes law. The best way to prevent its passage in its present form is for all of us to communicate our feelings to our Congressional Representatives. A copy of the bill is found on the Internet by using any of the Internet search engines: Google, Yahoo, or MSN for instance.

COLORADO SPRINGS MINERALOGICAL SOCIETY PO BOX 2 COLORADO SPRINGS, COLORADO 80901-0002 www.csms.us

Colorado’s Mineral Park

Mount Antero, noted peak in the Sawatch Range of central Colorado, was proclaimed a Mineral Park by the Colorado Mineral Society at colorful ceremonies held on Colorado Day, August 1, 1949.

A bronze tablet was set in a granite pinnacle just below the summit and not far from the site of the highest mine in the United States. This mine, and in fact the entire 14,245-foot mountain, has been a prolific producer of beautiful gem aquamarine and other rare minerals, which come from pockets in the pegmatite.

Although world famous since the 1800’s as the highest mineral locality in North America, Mount Antero is still regarded as unique among American mineralized areas for its inaccessibility. Equipment for mining in the hard rock must be packed in along a trail that rises over 5,000 feet in seven miles. The Colorado Mineral Society maintained a field camp there during the summer of 1938.

Outstanding among the minerals that come from Mount Antero are unusual ones such as phenakite and bertrandite, and remarkable fine crystals of commoner minerals including smoky quartz, rock crystal, fluorite, and feldspar. One of the largest spheres of rock crystal in existence was cut from Mount Antero quartz and displayed at the Chicago World’s Fair in 1893; it is now in the Chicago Museum of Natural History.

Led by James Hurlbut, nine members of the Colorado Mineral Society climbed to the top of the peak over the holiday weekend (1949). After the plaque was mounted, a proclamation prepared by a committee headed by Chester R. Howard was read and pictures were taken. When Mr. Howard was president of the society, he proposed this idea in recognition of Mount Antero’s significance to mineral collectors. Other members of the committee appointed by pres. Richard M. Pearl were Minor F. Wasson and Alice Gathercole.

Pick and Pack Mechanics Explained
A look back. Some final words.

Ethan A. Bronner & Gwen Legg

Well, this is my final issue of the Pick and Pack. It has been an enjoyable journey, but often one that required me to squeeze the time out of my busy schedule. With at least 20 hours each month required by myself to produce an issue, I would find myself complaining about what a laborious task it was to create the Pick and Pack. However, when I was complaining, I would often think about the way it used to be.

The following article appeared in the February 1971 issue.

Your Pick and Pack comes to you each month through the combined efforts of twelve or more people. It starts with the gathering of interesting news from members, followed by inter-society club activities reported by chairmen of the following clubs: Camera, Micromount, Sand Painting, Mineral Study class, and Judges class. Two of the most important news items are the schedules and plans given by the Field Trip and Program Chairman. Then comes our regular, each month reports. Jewell Pavey’s new member report, Ellsworth Nelsen’s financial report and George Fisher’s editorial.

All the news goes to Gwen Legg who reads, corrects and edits the copy. She then passes the material to the typing staff, consisting of Phyllis Parker, Eugene Ohmer, Ginney and Bud Kowalski, Lois Clifton and Edith Hart. [Note: all the Pick and Packs were hand typed with justified columns, meaning both the right and the left columns are straight. This entails extra work by the typists, as they have to count the letters in each line.)

Ray Zeigler sets and prints the heads for the articles. These with the typed copy are passed to Bob King, paste-up man, who arranges the articles on each page in proper order. These pages are given back to Ray and then photographed.

The negatives of the pages are sent to the printers, George Fisher, Eugene Ohmer, Harris Port and Ray Zeigler. This group meets at Clarence Coil’s garage where the Society’s press is located. (Clarence has remodeled his garage for the print shop, including a new floor and carpet.) Each negative is positioned on a sensitized plate, exposed and developed, leaving a positive image. The plate is mounted on a cylinder on the press. Using the principle that water and ink don’t mix, the plate is wetted and inked. The image repels water and takes on ink. With the press running, the plate prints on a rubber blanket onto another cylinder leaving a negative impression. The paper is fed between the cylinder and the impression cylinder. The image on the rubber blanket now prints on the paper a positive image or the printed page as you now see it.
sitioned on a sensitized plate, exposed and developed, leaving a positive image. This plate is mounted on a cylinder on the press. Using the principle that water and ink (oil) do not mix, the plate is wetted and inked. The image repels water and takes on ink. With the press running, the plate prints on a rubber blanket on another cylinder leaving a negative impression. The paper is fed between the cylinder and the impression cylinder. The image on the rubber blanket now prints on the paper a positive image or the printed page as you now see it.

As soon as the printing is completed, Mr. and Mrs. Ollie Callaway pick up the papers, staple them together, attach the address, supplied by Jewell Paveey, stamp the Pick and Pack and it is mailed.

Thus, our Pick and Pack is finished.

Boy, how things have changed. Your Pick and Pack comes to you each month through the combined efforts of four people.

Like thirty-four years ago, it all starts with gathering interesting news and articles from our members. Ninety-nine percent of it comes via email. I start the last week of the month doing a bulk email to all the subgroup leaders, Rick Copeland for the Minutes, and Drew for President’s Corner.

Each issue begins with opening the template I set up two years ago in Adobe’s PageMaker. Everything is electronic. I open the email responses from each group leader and cut-and-paste their response in place. Cover articles are placed and, the task that in 1971 involved six people for several hours—counting each letter in a column, back-spacing and adding extra spaces—with a click of a button I justify the columns and even change the font. Pictures are copy-and-pasted in, and the computer neatly wraps the text around each photo.

When layout is completed, I run it through the spell check and pass hardcopy pages to Cindy to proofread and edit. It takes her about two hours to read, red line and make the corrections to the computer file.

I burn a CD and take the file to the print shop. The file is downloaded to their high-speed copier/laser printer and each issue comes out printed two sides and stapled at a rate of one every 30 seconds or less.

I print labels from our membership database, nicely sorted by zip code, and deliver them to Bob and Naoko Murphy, who spend four hours or more, folding, taping the edges, and applying the mailing label. The process is completed when Bob Murphy delivers them to the post office.

I want to thank those members who have graciously given me original articles: Steven Veatch, Andy Weinzapfel, Bob King (yes, this is the same Bob King that did paste-up in 1971). Roger Pittman, Jack Thompson, Steve Wilman, and Steven Russell. Thanks to all of the Group Leaders for their monthly write-ups, the presidents for their write-up and a big thanks to the Murphy’s for their work and understanding. I can’t forget Cindy Bronner—behind every man is a great woman. But, most of all, I want to thank every member who cared that they “didn’t get their Pick and Pack” and those who were happy when they did.

AFMS Program Competition

The purpose of the Program Competition is to encourage the production of earth science programs related to the rockhound hobby. Individual members and member clubs of the various Federations are encouraged to produce visual arts programs. Slide, video or digital presentations relating to the Earth Sciences are eligible.

The member Regional Federations are provided with duplicate copies of the award-winning programs, which are then available for use by the individual clubs and societies through their associated Regional Federation.

For more information, see the AFMS website:
http://www.amfed.org/prog_comp.htm

A Very Veatch Christmas Card

With Christmas just around the corner, I wanted to send everyone holiday greetings from Florissant. The year went by very fast as our club accomplished many great things. We had an awesome show this year and the club continued to grow.

I was able to bring my work to a close on the Florissant mammoth and complete a paper with Rich Fretterd on his topaz claim that he presented at the New Mexico Mineral Symposium last month.

The other day I took some time off from preparing for all of the holiday festivities to spend a few hours in the field. In spite of gathering clouds and a winter storm blowing in from the north, I drove across the Teller County line into Park County and headed for the Badger Flats area, just off U.S. Highway 24—about eight miles northwest of Lake George and 50 miles west of Colorado Springs.

The occurrence of beryl in the Badger Flats area has attracted prospectors and geologists for a number of years. Several mines were developed in the area, including the Boomer mine which became one of the largest beryllium mines in the United States in the 1950s and 1960s.

Minerals found in the Badger Flats area includes: arsenopyrite, bertrandite, beryl, cassiterite, euclase, fluorite, garnet, hematite, muscovite, phenakite, quartz, scheelite, thulite, topaz, tourmaline, vesuvianite, wollastonite, and zoisite. I only found a few of the minerals on this list on my cold December field trip, but enjoyed a great day in the field just the same.

I wish everyone a great New Year of rock, mineral, and fossil collecting.

From Steven Veatch
China and India’s Ravenous Appetite for Natural Resources
– Their Potential Impact on Western Colorado

The Friends of the Florissant Fossil Beds will host a community seminar presented by Vince Matthews, The Colorado State Geologist.

Colorado’s history is steeped in a rich horde of natural resources. Today the state is still a major provider of mineral and mineral fuels. However, worldwide shortages of many resources caused by the explosive and unprecedented economic growth of the two most populous nations on earth, China and India, will put increasing strains and pressures on Colorado’s rich natural resource reserves. Demand for oil, natural gas, coal, uranium and metals will only increase as unparalleled competition for Earth’s limited resources grows.

The hour-long seminar will be presented at Colorado College’s Tutt Science Center at 7 p.m., December 14, 2005. To get there, take the Uintah Street exit on 25 and head east, just past Cascade turn right into a parking lot. The parking lot is east of the Tutt Science Center. For more details call Steven Veatch at 719-748-5010. There is no cost for the seminar.
Annual Banquet

Installation of Officers for 2006
Thursday, January 19, 2006

Embassy Suites Hotel
7290 Corporate Center Drive
Just off Woodman near I-25.

This year we will start the banquet at 6:00 PM with a reception and cash bar. Dinner will follow at 7:00. The business/presentation portion will begin at about 8:00.

Like last year, we will be served a Beef/Chicken combination plate so no dinner choice will be necessary. A vegetarian meal is available.

Pre-registration for the dinner portion is required. Please send your check and completed registration form by January 4th.

The dinner portion of the meeting is strictly optional. The club invites all members to attend. We will have extra tables available for people who want to attend the program/meeting without attending the dinner. The cash bar will be open through dinner and a short time prior to the meeting and presentation. All members are invited.

Presentation:

Relics of Florissant’s Ancient Past: Volcanoes, Ash, and Fossils

Discover Florissant’s remarkable past when volcanoes dominated the landscape and violent eruptions darkened the skies. This presentation begins with the nature of volcanoes, how they are classified, and their place in natural history. This gripping story concludes with the volcanic setting of Florissant and the role volcanoes played in creating one of the greatest Eocene-age plant and insect fossil sites in the world. Join professor Steven Veatch for this incredible journey into the fossil beds’ intriguing past.

Registration form on the backside of this page.
2006 Colorado Springs Mineralogical Society
Banquet Registration

Name(s): ____________________________
______________________________
______________________________
______________________________

Phone Number: ______________________

Number of Vegetarian Dinners ________
Number of Beef/Chicken Dinners _______

Total # of Dinners ________________
    x $15.00

Total Enclosed ________________

Send checks made payable to CSMS only.
Tear out this page and mail it with your payment to:
Ruth Cook
1914 Carmel Drive
Colorado Springs, CO 80910
APPLICATION FOR MEMBERSHIP

1. All memberships run from January 1 to December 31.

2. Any person joining the CSMS as a new member after June 30th shall pay half of the yearly rate. Any person joining as a new member after October 1st receives membership for November and December plus the following year beginning January 1. The partial year membership shall not apply towards the 25 year Lifetime Membership.

3. Anyone who has previously been a member MUST pay the full rate each year REGARDLESS of the time of the year they pay their dues.

4. Members who have paid their dues for 25 years will be awarded a Lifetime Membership. Lifetime Members receive all of the CSMS benefits and no longer have to pay the annual dues.

5. Members in good standing receive the following benefits: 10 issues of the CSMS newsletter, *The Pick and Pack*, right to participate in all field trips (additional fees may be required on some field trips and members are responsible for all transportation to and from), participation in one or 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.

You are paying for the year:

<table>
<thead>
<tr>
<th>Your dues MUST accompany this application.</th>
<th>Existing Member</th>
<th>All Members</th>
<th>New Member</th>
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<tr>
<td>JUNIOR MEMBERSHIP (12 TO 17 YEARS OLD)</td>
<td>$2.00</td>
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<tr>
<td>REGULAR MEMBERSHIP (18 AND OVER)</td>
<td>$15.00</td>
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<td>FAMILY MEMBERSHIP (PARENTS &amp; DEPENDENTS UNDER 18)</td>
<td>$25.00</td>
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Your dues MUST accompany this application.

☐ JUNIOR MEMBERSHIP (12 TO 17 YEARS OLD)
☐ REGULAR MEMBERSHIP (18 AND OVER)
☐ FAMILY MEMBERSHIP (PARENTS & DEPENDENTS UNDER 18)

● CRYS TALS
● FOSSILS
● LAPI DARY
● JEWELRY
● METEORS
● FLUORESCENTS

● MACROMOUNTS
● FACETING
● SILVER SMITHING
● PHOTOGRAPHY

Volunteer Capabilities: Clubs are made of volunteers

☐ ARTIST
☐ WRITING
☐ EDITOR
☐ MAILING
☐ LOCAL SHOWS
☐ YOUTH ACTIVITIES
☐ PROGRAMS
☐ FIELDT RIPS
☐ REFRESHMENTS

List any other thing you may be willing to do.

I hereby agree to abide by the Constitution and By-laws of the Colorado Springs Mineralogical Society.

CSMS By-laws are available at our website (www.CSMS.us)
Mail this form and your payment to:

**Colorado Springs Mineralogical Society**
Membership Secretary
Post Office Box 2
Colorado Springs, CO 80901
**President** Drew Malin 531-7594
**Vice President** Rick Olson 531-7818
**Secretary** Rick Copeland 594-6293
**Treasurer** James Bushnell 598-9262
**Membership Secretary** Ethan A. Bronner 448-9949
**Managing Editor** Ethan A. Bronner 448-9949
**Member-at-Large** Louis Severini 687-9491
**Member-at-Large** John White 630-0300
**Past President** Robert Landgraf 687-3195
**Show Chairperson** Lorrie Hutchinson 382-3503
**Field Trip Director** Brent Williams 632-3552
**Librarian** Mary O’Donnell 689-7209
**Camera Club** Roger Pittman 683-2603
**Crystal Study** Kerry Burroughs 634-4576
**Faceting Group** Dave Wilson 635-7891
**Fossil Group** John Harrington 599-0989
**Lapidary Group** Drew Malin 531-7594
**Micromount** Phil McCollum acc@frii.com
**Jewelry** Rick Copeland 332-7915

**Events**

- **3 Dec - Saturday, Noon**
  - Silent Auction
- **7 Dec - Wednesday, 7:00**
  - Board Meeting
- **13 Dec - Tuesday, 5:00**
  - Micromounts Group
- **15 Dec - Thursday, 7:30**
  - General Assembly
- **18 Dec - Saturday, 12:00**
  - Camera Club Potluck
- **18 Dec - Saturday, 1:00**
  - Crystal Group Luncheon
- **25 Dec - Sunday**
  - Christmas
- **31 Dec - Saturday**
  - New Years Eve

**Board Meeting:** 1st Wednesday @ 7:00
*Drew Malin: 531-7594*
Same place, Same Date & Time

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

The Camera Club meets either in the multimedia room or the wood shop of the Senior Center, 1415 N. Hancock, on the fourth Tuesday of each month except December at 7:15pm. On December 18th at noon we will hold our Christmas potluck & Chinese gift exchange at the Pittman’s, 5990 Renneberger Rd., Falcon 80831, 683-2603. Kaye Thompson won first place in the slide competition. The competition subject for January is “Cemeteries,” February is “Fence Posts.”

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

The Crystal Group Holiday Luncheon will take place on Sunday, December 18th at 1:00 PM at Giuseppe’s Depot, 10 South Sierra Madre, Colorado Springs. Please respond to this note if you are going to attend. (I’m trying to get a rough count for the restaurant)

We will have a Chinese Auction/Gift Swap. Bring a gift of about $10.00. Every one gets a number. Number 1 goes first and gets to choose any wrapped gift. Number two gets to choose the gift from #1 or a wrapped one. And so on.

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

The Jewelry club will not meet in December. Merry Christmas. The January meeting will be Saturday, January 21, from Noon to 4:00 at Rick Copeland’s, 6608 Gambol Quail Dr E. Phone: 594-6121 Topic: Show and Tell.

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

The faceting group will meet in January at 7pm on the 4th Monday of the month which is Jan. 23, 2006. The place has not yet been determined.

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

The Fossil Group’s next meeting will be on 7 December at JimBo’s new place, because of Thanksgiving and Christmas.

For January we’ll meet at Oscar and Joyce Price’s, 308 Maplewood Dr. in the west Cragmore area on January 25th, the 4th Wednesday, at 7:30.

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

Contact Drew for details concerning January’s Meeting.

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

**1 Jan - Sunday**
- New Year’s Day 2006

**10 Jan - Thursday, 7:30**
- Annual Banquet

**19 Jan - Thursday, 6:00**
- Annual Banquet

**21 Jan - Saturday, Noon**
- Jewelry Group

**23 Jan - Thursday, 7:00**
- Faceting Group

**25 Jan - Wednesday, 7:30**
- Fossil Group

**26 Jan - Tuesday, 7:15**
- Camera Group
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