



PICK & PACK

THE BULLETIN OF THE COLORADO SPRINGS MINERALOGICAL SOCIETY Published Since 1960

DECEMBER 2005

Volume 45 Number 10

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

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.

Drew Malin	President
Rick Olson	Vice President
Rick Copeland	Secretary
James Bushnell	Treasurer
Ethan Bronner	Membership Secretary
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Colorado Springs
Mineralogical Society

Founded in 1936



Lazard Cahn

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:

1025 East Boulder Street
Colorado Springs, CO 80903

Phone & Fax:

(719) 448-9949

For faxes no precalls are required.

The PICK & PACK is published ten (10) times per year. 270 issues printed, 200-250 mailed per month.

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PRESIDENT'S CORNER

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.

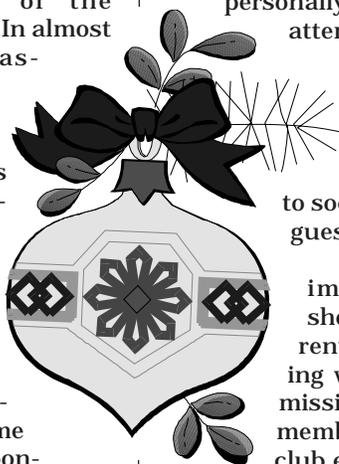
Special mention and thanks goes out to all of the people who have volunteered their time and money to make all this happen. More and more members step up to

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 ban-

quet (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 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.

Colorado then grew great forests; dinosaurs walked the area [I show a T-rex claw cast and coprolite.] The continent dropped enough that the forests were covered and the vegetation turned into coal. Coal is burned to make electricity for our homes.

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, kaopectate and pepto bismal.

As the mountains rose, they pushed

against the sedimentary rocks and older igneous rocks. The pressure created heat, which burned off impurities and compressed the remaining molecules together, making a number of metamorphic rocks. [I now show marble, gneiss, schist specimens.] The Colorado state rock is "Yule Marble," a metamorphic form of Leadville limestone. Garnets often form in gneisses. Garnets are used primarily as abrasives such as sand paper, but some are fashioned into jewelry.

Colorado also has a number of extinct volcanoes. In one volcanic area we find peridot, the August birth stone; in several others we find gold and silver. We find iron



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

Fossils *Continued from page 1*

inction 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,

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. 

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’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 1880’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.

Source: Rockhound Ramblings, November 2005, via Roamin’ Rams, Vol. 30 No. 2, via Highlites, August 2005.

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 [the secretary] new member

report, Ellsworth Nelsen's [the treasurer] financial report and George Fisher's [the president] editorial.

sisting 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 Burt 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. This 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 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.

"PICK and PACK" Mechanics Explained

Your PICK and PACK comes to you each month through the combined efforts of twelve or more people.

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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, Ginny Bud Kowalski, Lois Clifton and Edith Hart. (Note that the PICK and PACK has justified columns, meaning right hand margins 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.



BUSY PRINTERS—George Fisher and Roy Zeigler operating the society's A. B. Dick 320 offset press.

As soon as the printing is completed, Mr and Mrs Ollie Callaway pick up the papers, staple them together, attach the addresses (supplied by Jewell Pavey) stamp the PICK and PACK and it is mailed.

Thus, our PICK and PACK is finished.

For any of you who would like to take part in writing for or in publishing the PICK and PACK, please call George Fisher or Gwen Legg.

All the news goes to Gwen Legg who reads, corrects and edits the copy. She then passes the material to the typing staff, con-

sisting 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.)

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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 Pavey, 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

WMMI hosts Super Saturday: Simple Machines, Lego® Steam Engines, and the Industrial Revolution!

January 14, 2006
1:00 - 3:00 p.m.

Colorado Springs, CO (12/9/05)- Motor on down to the Museum to explore the principles of physics like work, friction and inertia through hands-on experiments with levers, axles and wheels. Then see how these simple machines are put to work using working Lego® Models and the giant steam engines of the Industrial Revolution! Super Saturday admission are reduced to the children's rate of \$3 to introduce the myriad of educational resources (all programs meet State Education Standards) available at WMMI and increase Museum Membership. Reservations requested.

About the Western Museum of Mining & Industry:
The Western Museum of Mining & Industry is a private, nonprofit museum founded in 1970. We educate over 15,000 school children a year on the importance of mining in the American west. We are located at 125 North Gate Blvd., which is easily accessible from I-25 (Gleneagle exit #156A). The telephone number is 719-488-0880, and our web address is www.wmmi.org.

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.

<p>DICK'S ROCK SHOP (719) 390-7788</p> <p>CABS Lapidary Equipment</p> <p>SLABS Silversmithing Supplies</p>  <p>7310 South Hwy. 85/87 Fountain, Colorado 80817 Celebrating our 25th Year</p> <p>Diana Wing</p>	<p>KRYSTALS</p> <p>Gems Minerals Jewelry Crystal Skulls by Appt. Only 719-531-7203</p> <p>Joe & Marylee Swanson Colorado Springs, CO Krystals@webtv.net</p>
<p>(719) 633-1153</p> <p><i>Ackley's</i> Rocks & Stamps</p> <p>RHONDA JO HART ART & HELENA ACKLEY OWNERS</p> <p>3230 NORTH STONE AVE. COLORADO SPRINGS, CO 80907</p>	<p>Minerals Fossils Artifacts Books Beads Custom Jewelry & Repair Rough Turquoise</p> <p>Claim Jumper's Rock Shop Boyd Astemborski, Owner (in the penny arcade)</p> <p>14 ARCADE (719) 685-5136</p>
<p>GRAND INCLUSIONS ROCK SHOP</p> <p>• MINERALS • ANTIQUE BOTTLES • ARTIFACTS • CRAFTS</p> <p>RANDY STAPLETON 2306 E. PLATTE 719-347-2195 SAT, ONLY 10-5</p>	<p>Steve & Peggy Willman - Minerals Sangre de Cristo Gallery</p> <p>114 Main Street, Westcliffe, CO 81252 email: galler@ris.net 719-783-9459 Fall Hours: Friday & Saturday 10:00 to 5:00</p> <p>Collectable minerals, fossils, crafts & local artists</p>



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.

LAST FIRST MIDDLE

SPOUSE

STREET CITY

STATE ZIP EMAIL

PHONE CELL

HAVE YOU PREVIOUSLY BEEN A MEMBER OF THE CSMS NO YES WHEN

YOU ARE PAYING FOR THE YEAR:

Each year the Colorado Springs Mineralogical Society publishes a Membership Directory. *The directory is distributed to members ONLY.*
 Check if you would NOT like your name and address included.

Your dues MUST accompany this application.

	Existing Member	All Members	New Member	
	Before Jan 31	After Jan 31	After June 30	Oct 1 - Jan 31
<input type="checkbox"/> JUNIOR MEMBERSHIP (12 TO 17 YEARS OLD)	<input type="checkbox"/> \$2.00	<input type="checkbox"/> \$2.00	<input type="checkbox"/> \$1.00	<input type="checkbox"/> \$2.00
<input type="checkbox"/> REGULAR MEMBERSHIP (18 AND OVER)	<input type="checkbox"/> \$15.00	<input type="checkbox"/> \$20.00	<input type="checkbox"/> \$10.00	<input type="checkbox"/> \$15.00
<input type="checkbox"/> FAMILY MEMBERSHIP (PARENTS & DEPENDENTS UNDER 18)	<input type="checkbox"/> \$25.00	<input type="checkbox"/> \$30.00	<input type="checkbox"/> \$15.00	<input type="checkbox"/> \$25.00

YOUR INTERESTS: Please check ALL that apply

CRYSTALS MICROMOUNTS
FOSSILS FACETING
LAPIDARY SILVERSMITHING
JEWELRY PHOTOGRAPHY
METEORS FLUORESCENTS

VOLUNTEER CAPABILITIES: Clubs are made of volunteers

ARTIST WRITING EDITOR
MAILING LOCAL SHOWS YOUTH ACTIVITIES
PROGRAMS FIELDTRIPS REFRESHMENTS

List any other thing you may be willing to do. _____

FOR FAMILY MEMBERS, PLEASE LIST CHILDREN AND AGES

Sometimes knowing where our members are employed or retired from helps us when we are looking for special information or guidance in our activities. This information will not be published or accessible except by the CSMS Board of Directors.

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)

Signature of Primary Applicant

Application Date

Mail this form and your payment to:

Colorado Springs Mineralogical Society

Membership Secretary

Post Office Box 2

Colorado Springs, CO 80901

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 multi-media 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@friei.com**Moyra Lyne: 442-2673**

President	Drew Malin	531-7594	advanceone@adelphia.net
Vice President	Rick Olson	531-7818	RickPat66@aol.com
Secretary	Rick Copeland	594-6293	rick.copeland@covad.net
Treasurer	James Bushnell	598-9262	bushy@pyramidpeak.com
Membership Secretary	Ethan A. Bronner	448-9949	CSMSpickANDpack@msn.com
Managing Editor	Ethan A. Bronner	448-9949	CSMSpickANDpack@msn.com
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
Show Chairperson	Lorrie Hutchinson	382-3503	forlorrie_h@yahoo.com
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@pcisys.net
Fossil Group	John Harrington	599-0989	harrington1@mindspring.com
Lapidary Group	Drew Malin	531-7594	advanceone@adelphia.net
Micromount	Phil McCollum		acc@friei.com
Jewelry	Rick Copeland	332-7915	rick.copeland@covad.net

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
- 1 Jan - Sunday**
New Year's Day 2006
- 10 Jan - Tuesday, 7:30**
Micromounts Group
- 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

Ethan A. Bronner, Editor



P.O. Box 2
Colorado Springs, CO 80901-0002



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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