



PICK & PACK

THE BULLETIN OF THE COLORADO SPRINGS MINERALOGICAL SOCIETY Published Since 1960

February 2005

Volume 45 Number 1

CURRENT EVENTS

Access to Historic Mineral Area in the Balance *Gold Camp Road & Tunnel #3 Planning / EIS Process*

The USDA Forest Service (FS), Pike National Forest proposes to implement a management plan for portions of the Gold Camp Road and Tunnel #3 southwest of Colorado Springs, Colorado. The objective of the management plan is to best accommodate public use and access to National Forest lands and nearby private in-holdings while maintaining public safety and the historic character of the road.

The project would address the most effective management of 8.5 miles of a historic USFS road that crosses National Forest lands. This 8.5-mile segment of road has been partially closed since the 1988 collapse of one of the tunnels along it. Since April 2004, the Pikes Peak Ranger District has been in the process of gathering public input and preparing an Environmental Impact Statement (EIS) to evaluate the potential environmental impacts associated with the plan and reasonable alternatives. Public input has been received through individual input

See *Gold* on page 5



*Tunnel on Gold Camp Road: Stewarts Commercial Photographers ca. 1924-1936
(c) Pikes Peak Library District. All rights reserved*

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	<i>President</i>
Rick Olson	<i>Vice President</i>
Rick Copeland	<i>Secretary</i>
James Bushnell	<i>Treasurer</i>
Ethan Bronner	<i>Membership Secretary</i>
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John White	<i>Member at Large</i>
Bob Landgraf	<i>Past President</i>
Lorrie Hutchinson	<i>Show Chairman</i>
Brent Williams	<i>Field Trip Director</i>

Extreme Weathering

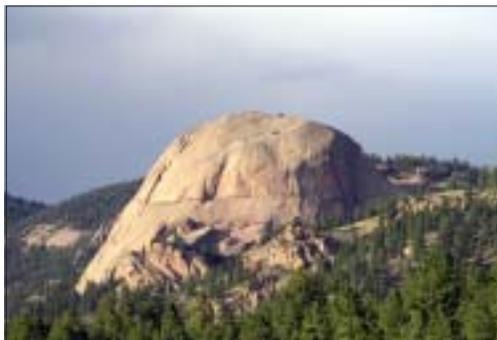
Teller County's Scenic Rock

Steven Wade Veatch

Dome Rock is a scenic outcrop of Pikes Peak Granite that can be seen north of Cripple Creek, Colorado along Teller County Road 1. Rising more than 800 feet from its base, Dome Rock is a classic example of an exfoliation dome that formed on Pikes Peak Granite.

Pikes Peak Granite, a plutonic rock (a rock formed at depth by crystallization of magma), was formed deep in the earth under high pressure. When the once deeply buried Pikes Peak Granite was ex-

See *Dome* on page 7



Dome Rock, a Teller County landmark, is a classic example of the process of exfoliation. Photo date 6/04, © S. Veatch.

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



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.

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PRESIDENT'S CORNER

CSMS Looking Forward to 2005
New President's State of the Union

Drew Malin



I'd like to welcome all club members to 2005! As the new year starts, we find our club as strong and healthy as it has been in many years. I'd like especially to welcome all the new members who have joined us in 2004, and I encourage you to participate in all the fun aspects of our hobby that the CSMS has to offer.

I'd like to start the year off by emphasizing two of the most important aspects of our club's operation: the 2005 show and our 2005 field trips.

As you all know by now, we are lucky this year to have Lorrie Hutchinson as our show chairwoman. As in past years, the more people helping with the show, the easier it gets for everyone. Please take some time in the next weeks and months

to get in touch with Lorrie; she can match needs with members' talents. Let's make this year's show one that everyone will remember.

Now is also the time to think about making a show display case. This year's show will feature an expanded display area, and the more displays members can produce, the better and more interesting our show will be. You don't need to have a giant collection to make a display case. Some of our best displays in past years have been about information and education. I encourage everyone to give a case a try.

We are set to have a great year of field trips. This year's Field Trip Chairman is Brent Williams, and this year's Pebble Pup Leader is Nancy Gass. Both Brent and Nancy have made basic outlines for schedules and field trip information; all they need now is help with leaders and ideas for trips. If you can lead a field trip, or just have information on a good place to go, let our chairmen know, and they will take it from there. Let's all pitch in and make this the best field trip year ever!

An Introduction to the Crystal Systems

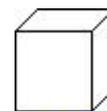
February's General Assembly

Kerry Burroughs, Crystal Group Leader, will provide a PowerPoint presentation for the February program. Kerry will be discussing the six crystal systems: isometric, tetragonal, hexagonal, orthorhombic, monoclinic and triclinic, and the subset trigonal system. Bring your thinking caps and your geometry skills. It's a great chance for those of you new to crystals to understand how they are categorized, and it's a good chance for the rest of you to refresh your knowledge.

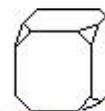
February 2005 General Assembly
 Thursday, February 17, 2005, 7:30

Colorado Springs Senior Center
 1514 North Hancock Blvd

February's refreshments courtesy:
Micromount



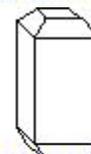
Cube



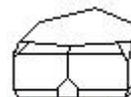
Cube and Octahedron



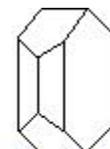
Tetragonal:
 Prism with pyramidal termination



Tetragonal:
 Prism with pyramidal base



Trigonal:
 prism with pyramids



Monoclinic

Farewell

Bob's final words as President

Looking back, as club president over the last two years, I see many changes that have taken place in our club. First, we went from a declining membership to a growing membership. We had new people retiring here, who were members of mineral clubs in other states and wanted to continue their hobby in our state. Second, families with children were looking for activities. Our pebble pups program had come back to life and was a perfect fit.

More importantly, these people have had a desire to be active in our club. They are joining satellite groups and taking positions of responsi-



Bob continuing the tradition of passing the proverbial Presidential Shoes to Drew.

who are making this organization one of the best in Colorado! - Bob Landgraf

bility within our club. At the end of 2004 we had one of our easiest times filling new board positions. I am very pleased to be able to hand off responsibilities to the new crew who are coming into office. I feel that the leadership of the club is being passed on to a very strong group of individuals.

Second, we made a dramatic change in our show venue. We committed ourselves to hosting a federation show and a symposium. All of this takes a very active membership. Many thanks to all of you who are making this organization one of the best in Colorado!

2005 Induction Banquet

Couples given lifetime achievement awards

Over sixty members and guests came together for another great evening at the annual Colorado Spring Mineralogical Society's annual banquet. This year's banquet was held on January 20 at the Embassy Suites Hotel.

Several new board members, as well as a few familiar faces, were inducted into office for the coming year. Past president Bob Landgraf passed the torch, along with the shoes, to incoming president Drew Malin. The shoes, which are surely hard to fill, have been traditionally passed to incoming presidents since Urban Turzi was president of CSMS.

Rick Olson was sworn in as vice president, and Rick Copeland is our new secretary. Jim Bushnell remains our treasurer, and Ethan Bronner continues as Pick and Pack editor.

This year, Lifetime Achievement awards
Continued on next page



Guest speaker Steve Willman

Minutes...

December 16, 2004

Roger Pittman called the meeting to order at 7:26.

A motion was made and seconded to dispense with business meeting.

Meeting adjourned at 7:27.

General Assembly Refreshment Program

The refreshments work on a rotation of the satellite groups. This means that each month the members of the chosen satellite group are asked to bring some cookies or something to drink. In each Pick and Pack on page 2, you will find a write-up for the next month's meeting. At the end of that article will be listed the satellite group whose members are asked to bring a snack to the next general assembly. This information will also be e-mailed to all members the week prior to the meeting. If you are a member of the listed group, we ask that you please participate. Even if you are a member of more than one satellite group, please try to participate each time.

- | | |
|-----------|--------------------|
| February | Micromounts |
| March | Everyone |
| April | Lapidary Goup |
| May | Faceting Group |
| June | Jewelry Group |
| July | Fossil Study Group |
| August | No Meeting |
| September | Everyone |
| October | Crystal Group |
| November | Camera Group |
| December | Everyone |

BOOK REVIEW

A Quick History of Idaho Springs

Book Review by Steven Wade Veatch

Beth Simmons, a professor of geology at Metro State College in Denver, tells the fascinating story of the history of Idaho Springs in her new book: *A Quick History of Idaho Springs*. The narrative, full of details and anecdotes, contains carefully selected historical photographs that enliven the story.

The account starts from a spot in the rugged mountain wilderness of Colorado at the confluence of Vasquez and Chicago Creeks, where George Andrew Jackson—just before a cold January snow storm in 1859—filled his tin coffee cup with gold dust and nuggets. Keeping his find a secret, Jackson quietly organized the Chicago Mining Company. A rush of eager prospectors soon followed and a mining camp was rapidly established nearby. It was George Jackson's strike that started the Colorado Gold Rush of 1859, and quite hurriedly the "Idaho Springs area had sprouted mines like gopher holes in a potato patch." Simmons describes how the town was laid out, including the Beebe House, where some of the men who made fortunes in mining around the Idaho Springs area stayed.

This thoroughly researched and well-written book describes Fall River, Freeland, Trail Creek, Chicago Creek, Virginia Canyon, and the Lamartine mining districts. Simmons has included interesting information about the area mines, including the Amethyst, Stanley, Alma-Lincoln, and the Lamartine.

The author provides an informative overview of the technological advancements in mining techniques and engineering as they were applied in the Idaho Springs area. Mining still continues: the Henderson and the Edgar Experimental mines are the two major mines operating today in the area.

by Beth Simmons, Western Reflections Publishing Company, 2004; ISBN: 1-932738-08-9, softbound, \$9.95



Ray Barry does the honor of swearing in the officers for 2005: (Left to right) Ethan Bronner, Rick Copeland, Jim Bushnell, Rick Olson, Drew Malin.



New President Drew Malin awards Lifetime Achievement to Jane and recently deceased Robson Eames.



Lifetime Achievement Award recipients Jack and Kaye Thompson.



Lifetime Achievement Award recipients Ray and Eloise Berry.

were presented to three couples who not only are lifetime members, but have contributed greatly to the club's long-term success. They have given of themselves in more ways than could be mentioned here. Winners were Jack and Kaye Thompson, Ray and Eloise Berry, and Jane and (recently deceased) Robson Eames.

Rounding out the evening was our speaker, Steve Willman. Steve provided an enchanting account of his trip to England to visit sites mentioned in the book, *The Map That Changed the World*. The map re-

ferred to was the first geologic map of England, completed by one man, William Smith, more than 200 years ago. Steve and his wife, Peggy, traveled to England and found many fascinating locations important to Smith. He shared their travels through lecture and slides, entertaining all.

Gold *Continued from page 1*

Tunnel #3 currently from outside. photo Pike National Forest

from citizens as well as through four public open houses. The input was used to formulate a number of planning concepts. In August 2004, a citizens workshop was conducted to further hone the planning concepts into alternatives that are now being studied in the EIS process.

On January 10, 2005, the Draft EIS was released in conjunction with a presentation to the Colorado Springs City Council. A 60-day comment period began with the release of the Draft EIS. The comment period ends on March 15, 2005. The final plan/EIS and Record of Decision are expected in June 2005.

Public input received through an intense eight-month public scoping process, beginning in April 2004, resulted in the development of seven alternative courses of action and, among those, the selection of a preferred alternative: To restore and reopen the collapsed railroad tunnel and reopen the closed section of Gold Camp Road to one-way traffic (Alternative E). Additional restrictions on access, parking, camping, and campfires would also be initiated.

The preferred alternative is not a final decision. The purpose of disclosing a pre-

ferred alternative in this draft is to solicit additional public comment that will be further analyzed. The final decision and EIS is expected to be completed by June 2005.

The purpose of the project is to develop a management plan for the 8.5 mile segment of Gold Camp Road that ensures public safety and preserves the historical character of Tunnel #3 and the road. Since the 1988 collapse of Tunnel #3 and the subsequent closure of the 8.5 mile section of Gold Camp Road, the area has continued to be popular for non-motorized recreational uses, while the closed tunnel has continued to pose safety concerns.

Alternatives:

The alternatives addressed in the draft plan/EIS range from repairing the tunnel and opening the road, to keeping the tunnel and road closed to vehicles, to a variety of various recreational opportunities and potential limitations:

Alternative A: No Action

Alternative B: Stabilize Tunnel #3 with Minimal Changes

Alternative C: Partially Open Road to Motorized Use

Alternative D: Open Road to Phased Motorized Use with Third-Party Operation of a One-Way Traffic Pattern

Alternative E: Open Road to Motorized Use with One-Way Traffic Pattern

Alternative F: Open Road to Motorized Use with One-Way Traffic Pattern and Timing Restrictions

Alternative G: Fully Open Road to Motorized and Non-Motorized Use

Preferred Alternative: To restore and reopen the collapsed railroad tunnel and reopen the closed section of Gold Camp Road to one-way traffic (Alternative E). This is not a final decision.

Actions. Under Alternative E, Tunnel #3 would be stabilized to a condition safe for motorized and non-motorized use. Road improvements would be made on the entire 8.5-mile length of road for licensed motor vehicles. A new gate would be placed on Lower Gold Camp Road at the east end of North Cheyenne Canyon Park.

Management. The entire 8.5-mile length of Gold Camp Road would be open to unlimited use by licensed motor vehicles and

Gold Camp Road: a brief history

Gold Camp Road has a rich history dating back to 1901 when the travel way was a narrow gauge railroad. The train carried travelers between Colorado Springs and Cripple Creek. The train made several stops along the steep incline to refill its water takes. The Fairview stop was one of these stops. Many people mistakenly believe that Fairview was a train station, when in fact it was only a water stop. While the train was refilling its water takes, passengers were allowed to get off the train and wander around. It became a popular activity for passengers to look around for mineral specimens that had been carried down from higher up by the rains.

After the automobile became a popular form of transportation, the narrow line went bankrupt. After beating Spencer Penrose in a bidding war, W. D. Corley removed the tracks and converted it to a toll road. This became a popular way to drive to Pikes Peak and Cripple Creek. It was known as the Corley Mountain Highway and was in operation from 1924 to 1939. In the mid 1940's the 25+ mile road was deeded to the Forest Service and became known as Gold Camp Road.

For over a hundred years this road has been a gateway for rockhounds to some of the most diverse mineral deposits in the world. Over fifty different minerals have been found in the hills above and below the road.

In 1988 a partial collapse to tunnel #3 forced closure to an 8-mile section of the road. Due to lack of available funds, the Forest Service was forced to close this whole section to motorized vehicles. For over fifteen years, access to this mineral-rich area has been limited to bikes, horses, and foot traffic only.

For the past year, the Forest Service has been working with the public to form plans to reopen this area to automobile traffic. The final decision is scheduled for the summer of 2005. Soon a new chapter will begin for this historic area.

Last chance for CSMS members to speak up

The Colorado Springs Mineralogical Society's founding Honorary President is Lazard Cahn. A past resident of Colorado Springs, Lazard began his studies when he heard about the rare mineral occurrences that were abundant in the area below Saint Peters Dome off of what is now Gold Camp Road. Curiosity quickly grew to a passion, and by the 1920's, Dr. Cahn was one of the world's top three mineralogists and crystallogists. Although his research and studies spanned the globe, much of his studies were conducted here in the Pikes Peak Region and focused on the Saint Peters Dome area around Gold Camp Road. During the years, Dr. Cahn had recorded over 50 different minerals present in this area. Some of the minerals present here appear few other places in the world.

As you can see, Gold Camp Road is the gateway to the CSMS legacy. For over a decade, access to this historic area has been limited. Now is the time for everyone to speak up and help open up this area again.

On Thursday February 10th, our president Drew Malin and treasurer Jim Bushnell attended the public meeting to make a statement on behalf of our members. We believe that Alternative G would best suit the rockhound's interests. This would allow the freest travel between collecting localities.

Not being short sighted, the board of directors agree that Alternative E is a better compromise than not having the road open at all. Access by automobiles, be it one way or two way, ultimately achieves our real goal: easy access for all rockhounds young and old.

Please take the time to write the Forest Service and let them know that the CSMS members care about this issue. Address your comments to:

Gold Camp Road Project
c/o Greystone Environmental
Consultants, Inc.
5231 S Quebec St
Greenwood Village CO 80111



Current view from inside tunnel #3. photo Pike National Forest

non-motorized users. Traffic flow would be one-way from north to south for motorized users. The road would remain essentially a one-lane road. Signage and roadside rock barriers would be used to prohibit vehicles from stopping between the intersection of Gold Camp Road/High Drive and Tunnel #3 and for an additional 1.5 miles south of the tunnel. Stopping and parking along the road would be limited to developed parking areas south of Tunnel #3.

There would be managed dispersed recreation. Non-motorized recreational use of the entire 8.5-mile segment of the road would continue, including hiking, bicycling, walking pets and riding horses. Non-motorized recreational users (hikers, bicyclists, pet walkers) would be provided with additional options to leave and reconnect to the road on existing and newly established trails to minimize potential conflicts on Gold Camp Road between motorized and non-motorized users. Camping and campfires would be prohibited

within 1/4 mile of the road. The Forest Service would continue to prohibit recreational shooting. Under this alternative, pet owners would be required to keep their dogs on a leash while on Gold Camp Road. Equestrian use of the road would continue,



Current view locking into tunnel #3. photo Pike National Forest

but no enhancement for equestrian use would occur. Seasonal closure of the road from November 1 to April 1 would continue.

To read the entire descriptions of options A, B, C, D, F, G visit the Pick and Pack on the Web at: www.csms.us/pickandpack



Dome *Continued from page 1*

posed at the surface by uplift and erosion, pressure was released. Because Pikes Peak Granite is slightly elastic—just like all rocks—it expands from the release of pressure from the once overlying rocks. The expansion forms pressure release fractures (cracks) parallel to the surface of the granite and the outer layers peel off (“exfoliate”)—the result is an exfoliation dome.

Water is also a part of the physical and



Florissant Fossil Beds National Monument also has exfoliation domes. Photo courtesy of Cliff and Jean Dickey.



An excellent example of a granite exfoliation dome in Sphinx Park near the town of Pine in Jefferson County, Colorado. These pressure release cracks, forming parallel to the surface, can be clearly seen. Slabs of rock, or exfoliation sheets, still cling to the dome. Photo courtesy of J. Ghist.

chemical weathering at work forming Dome Rock. During the winter when water enters the cracks and freezes, the ice ex-



This picturesque outcrop of exfoliating granite is on the Florissant Fossil Beds National Monument. Photo courtesy Cliff and Jean Dickey.

pands, widens the cracks, and loosens the sheets. Rainwater and groundwater contains dissolved carbon dioxide forming carbonic acid. This weak acid decomposes feldspar and ferromagnesian minerals in the granite, which also weakens the granite. The weathering of these minerals (into clay) give Pikes Peak Granite its pinkish color; other granites are much more gray.

These processes of physical and chemical weathering cause slabs of granite to



This field of granite exfoliation domes is near Westcreek in Teller County, Colorado. Photo date 9/04, © S. Veatch.

break off along the pressure release fractures, forming exfoliation domes. The slabs of rock that fall off are termed exfoliation sheets. Other exfoliation domes can be seen throughout the Pikes Peak region and in other parts of the nation. Perhaps the most famous exfoliation domes in the United States are Stone Mountain, Georgia and Enchanted Rock in the Hill Country of Texas.



Free public talks sponsored by the Friends of Dinosaur Ridge and the Friends of the Florissant Fossil Beds

Feb. 24, “Treasures of Pikes Peak Backcountry: Order from Chaos,” by Andy Weinzapfel and Steve Veatch; Gold, Fossils, Smoky Quartz, Amazonite, and Topaz! a FFFB lecture, Tutt Science Center, Colorado Springs, 7 p.m.

Mar. 10, “The Cripple Creek Mining District,” by Dave Vardiman. FFFB lecture, Tutt Science Center, Colorado Springs, 7 p.m.

March 10, “Mining History of Idaho Springs,” by Beth Simmons. Meeting of the Colorado Chapter of Friends of Mineralogy, Denver Museum of Nature & Science, VIP Room, 7:30 p.m.

Mar. 16, “Update on the Denver Basin and the Front Range Water Situation,” by Bob Raynolds. FFFB lecture, Tutt Science Center, Colorado Springs, 7 p.m.

March 24 “The Gold Belt Byway,” by Herb Meyer. FFFB lecture, Tutt Science Center, Colorado Springs, 7 p.m.

Mar. 29, “Fossils of Clear Creek County,” by Beth Simmons. Beth will give an interesting presentation about an area that is not exactly well known for its fossils. Morrison Town Hall, 7:00 p.m.

Apr. 7, “Myths and Mystery at Red Rocks Park,” by Sally White, of the Morrison Natural History Museum; 7:00 p.m., Morrison Town Hall.

April 21, “Cultural Connections of the Ute Indians at the Florissant Fossil Beds,” by Celinda Reynolds Kaelin. FFFB lecture, Tutt Science Center, Colorado Springs, 7 p.m.

Ice Age Mammoth Discovery!

Saturday, February 19, 10:00-11:00 a.m. Join geologist Steven Veatch for the fascinating story of a recently discovered Pleistocene era mammoth found near Florissant. Learn about the excavations and history of this Ice Age creature. \$3.00. Reservations required. (719) 520-6387. Steve is a member of the CSMS— come and support him!
 El Paso County Parks
 Bear Creek Nature Center
 245 Bear Creek Road
 Colorado Springs, CO 80906
 From the intersection of I-25 and Highway 24, go west on Highway 24 to 26th street, proceed south on 26th Street to Bear Creek Road.

Western Museum of Mining and Industry Programs

Located just north of Colorado Springs. Take I-25 to the Gleneagle Exit (156A); the Museum entrance is immediately east of the interstate, just opposite the north entrance to the U. S. Air Force Academy.

Program: Show your collection at our Museum! Super Saturday, March 12, 2005 at 1:00p.m. Do you collect minerals? How about stamps? Baseball cards? Dolls? You do...Great! Bring your collection (or if it's large, just part of it!) to show at the Museum. (Please...only bring those collections you'd show your grandparent!) We'll invite our visitors, and other collectors, to see your collection and you can teach them about it. During the afternoon, the Museum staff will explain the importance of our preservation mission, and how we care, catalog and display our collection. Special admission price of \$3.00 per person. Reservations are requested; call (719) 488-0880.

Customary Admission: \$7 Adults, \$5 Students & Seniors, \$3 Children 3-12, Free under 3. In addition to other great benefits, members are always admitted at no charge - join today!

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Steve & Peggy Willman - Minerals
Sangre de Cristo Gallery

114 Main Street, Westcliffe, CO 81252
 email: gallery@ris.net 719-783-9459
 Fall Hours: Friday & Saturday 10:00 to 5:00

Collectable minerals, fossils, crafts & local artists

6th Annual
Cripple Creek School of Prospecting
February 26 and 27, 2005

This course offers an unmatched opportunity to understand the basic principles of geology and prospecting using Cripple Creek and the Pikes Peak region as a backdrop for discussion.

- Discover Colorado's mining heritage from local authors and historians
- Explore modern mining methods
- Discover the basics of rocks and minerals
- Learn where mineral and gems can be found in Colorado
- Learn about the basics of geologic and topographic maps
- Review field and collection techniques, field photography, and how to build and document a rock and mineral collection
- All participants will receive a database to record their rock, mineral, and fossil collection
- Tour of the Cripple Creek and Victor Gold Mine (weather permitting) and the Cripple Creek District Museum

This two-day class fills quickly!

Call the Cripple Creek Parks and Recreation office today at (719) 689-3514 to reserve your spot in the class.

Please call the J.P. McGills/Midnight Rose Casino at 1-800-635-5825 to reserve your room for the night. You must ask for the special rate (\$55.99 + tax) for the Cripple Creek School of Prospecting. Cripple Creek offers many interesting diversions in the evening.

The course fee is \$119.00 and includes all fees, materials, and course completion certificate (hotel fee is separate). The course fee will also include lunch on Saturday and Sunday.

Your hotel fee includes a complimentary full breakfast and free parking. All other meals are on your own. The course runs from 9 am to 4:00 pm on Saturday and Sunday. Gambling coupons for the Midnight Rose, J.P. McGills, and the Brass Ass will be provided. Come and experience the Worlds Greatest Gold Camp!

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

March'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

January's Camera Club competition was won by Roy Wilson. February's subject is "Trees;" March is "Farm Equipment."

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

The February 11th Crystal Group meeting will feature crystal study. Please bring a crystal to study. We will put to use our recently covered crystal system knowledge as well as Miller Indices. Get ready to orient your crystal. Better yet, bring an unidentified specimen.

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

The Jewelry Group will meet Saturday, February 19, Noon to 4:00, at Bill Arnson's, 15610 Alta Plaza, Peyton. Call Bill, 749-2328, if you need directions.

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

We failed to get information in time for press. Please give Dave a call for information and venue of the February meeting.

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

Our next Fossil Meeting will be on February 24th at 7:30, at Oscar and Joyce Price's, 308 Maplewood Dr. in Cragmore. John will do a program on our local Lingula Beach site.

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

The March Lapidary group will be again at Drew's lapidary workshop. Everyone is invited to cut open rocks, polish cabs, and hang-out and socialize. Lapidary meetings always prove to be a great time to get together and share some time with your fellow rock lickers.

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.com
Vice President	Rick Olson	531-7818	RickPat66@aol.com
Secretary	Rick Copeland	594-6293	rick.copeland@covad.com
Treasurer	James Bushnell	598-9262	bushy@pyramidpeak.com
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Managing Editor	Ethan A. Bronner	448-9949	CSMSpickANDpack@msn.com
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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	lorriehutchin@wmconnect.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	roger_pittman@tmc.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.com
Micromount	Phil McCollum		acc@frii.com
Jewelry	Rick Copeland	332-7915	rick.copeland@covad.net

Events

- 2 **Feb - Wednesday, 7:00**
Board Meeting
- 5 **Feb - Saturday, Noon**
Lapidary Group
- 8 **Feb - Tuesday, 7:30**
Micromounts Group
- 11 **Feb - Friday, 7:30**
Crystal Study Group
- 17 **Feb - Thursday, 7:30**
General Assembly
- 19 **Feb - Saturday, Noon**
Jewelry Group
- 22 **Feb - Tuesday, 7:15**
Camera Group
- 24 **Feb - Thursday, 7:30**
Fossil Group
- 28 **Feb - Monday, 7:00**
Faceting Group
- 2 **Mar - Wednesday, 7:00**
Board Meeting
- 5 **Mar - Saturday, Noon**
Lapidary Group
- 8 **Mar - Tuesday, 7:30**
Micromounts Group
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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