

PICK & PACK

THE BULLETIN OF THE COLORADO SPRINGS MINERALOGICAL SOCIETY Published Since 1960

CURRENT EVENTS

Public Land Issues

Harry Kilb, Lake Havasu Gem & Mineral Society

Thank you for inviting me to participate in keeping the membership informed on the status of various Public Lands issues that may affect our collecting activities. I have been following this situation for Lake Havasu 4Wheelers Club as well as our rock club and thru the State Parks' OHV Advisory Committee for the past several years. I guess our key need, whether 4wheeling, collecting mineral specimens, even just admiring the backcountry scenery, is access. And access is what too many bureaucrats want to deny to anyone not on their payroll, or at least, so it seems in western Arizona and neighboring venues.

To put me on the same page with you all in the rest of the Federation, let me ask whether you, at various home bases, are monitoring the Bureau of Land Management? US Forest Service and US Park Ser-

vice also need to be monitored, I've found, but they are not nearly as ubiquitous as (in our area) BLM. I don't know about OK, KS, NM or the far northwest, but in AZ, only about 30% of the total state land area is held by private owners - the rest is under federal, state, tribal and military management.

What has been happening in Arizona has been a lot of land swapping between the feds and the various state agencies over the past 20 years. When I moved here in 1976, Lake Havasu City was about mile square of private land, surrounded by federal, tribal and state lands. The state lands, as a condition of 1912 statehood, are for sale with the proceeds to go to state education funds. What started this was that developers bought small state or private land hold-

See *Land* on page 4

The Relevance of Faults to Mineral Collectors

Andy Weinzapfel, geologist

A fault is a fracture in rock along which displacement of adjacent material occurs. Geologists discriminate among several types of faults (normal, reverse, thrust, wrench), depending on the dip angle of the fault plane and the relative sense of slip motion between opposite sides. Joints are fractures or breaks in rock where no relative motion has happened; thus joints are not faults. Faults can have lengths over many miles and extend to great depths. Individual joints are quite discontinuous, usually recognizable over only a few feet. In the Pikes Peak granite, joints are common and



Jasperized breccia outcropping © Andy Weinzapfel

See *Faults* on page 5

SEPTEMBER 2005

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CSMS is an incorporated nonprofit organization with these goals:

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

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James Bushnell	Treasurer
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Colorado Federation of Mineralogical Societies (CFMS)

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Mineralogical Society
Founded in 1936



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Our Staff...

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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

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Colorado Springs, CO 80903

Phone & Fax:
(719) 448-9949
For faxes no precalls are required.

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PRESIDENT'S CORNER

The End of Summer

Call to new members to participate

Drew Malin



Well, it's time to get back to work. I hope everyone is having a great summer. I'd like to thank all the folks that came

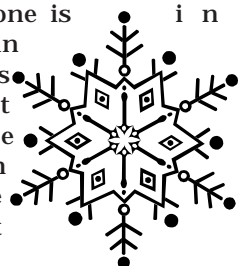
to our annual picnic and, this year, a dig at Devil's Head. I believe a good time was had by all, and what a turnout! I counted 25 cars and trucks. It was great to see so many of our new members, and it was great to see many find some nice crystals.

As we head towards the end of the year, we need to start thinking about what improvements we can make for next year. The club really encourages new members to get involved. If any new members feel that they have the time and inclination to volunteer for any of

the many offices or special tasks, please drop me an email at advanceone@adelphia.net. Our secretary, Rick Copeland, will keep a list of volunteers, and we'll give you a call when these needs come up. I know some of you have already done this, and someone will soon be in touch as the year progresses.

Speaking of volunteers, we have had a Silent Auction in the month of November in past years as a club fundraiser. If anyone is interested in being in charge of one this year, please contact me. I can promise lots of help from people who have run them in past years for the club.

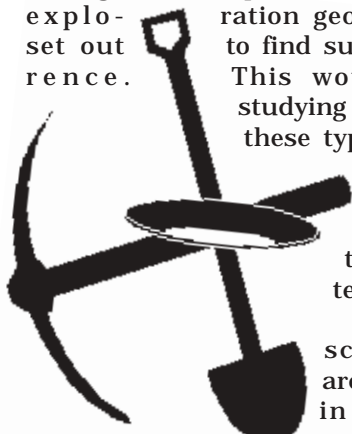
That's it for now. I hope to see you all at our next general meeting where we will, indeed, get back to work!



How a Geologist Looks for an Ore Deposit *September's General Assembly*

Marcus Liebeman

Precious Metal Epithermal Ore Deposits are just one of many types of mineral occurrences. Using this type of a setting, I explain how a mineral exploration geologist would set out to find such an occurrence.



This would include studying the nature of these types of deposits, as well as looking into the history of an interesting area.

After describing an area of interest in Southwest

Utah, I go on to discuss and compare a few other areas of similar nature. Expected ore minerals, as well as indicative trace ones, are discussed leading up to the physical search and analytic testing of rock samples.

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

Colorado Springs Senior Center
1514 North Hancock Blvd.

September's refreshments courtesy:
Everyone

Minutes...

July 21, 2005

Drew Malin called the meeting to order at 7:32.

Minutes accepted as published in the Pick-n-Pack.

Show Report:

Lorrie Hutchinson and Roger Pittman recognized for their contribution to the 2005 show.

Additional Federation Awards won by CSMS club members at show

- Andy Weinzappfel – First Place Adult Articles Advanced
- Ethan Bronner – Third Place New Editor
- Steve Willman – Honorable Mention Original Article
- Steve Russel – Second Place Original Article

Old Business:

- Denver Museum wants to recreate the pocket where Aquamarine on Mt. Antero recently discovered and is seeking donations. This matter to be further discussed at September meeting.

New Business:

- August 20 Picnic and field trip at Devil's Head.
- Show Committee decided that we will do a 3-day show next year.
- Membership list to come out in August.

Help Wanted

Editor: Pick and Pack 2006-2007

Traditionally officers in the CSMS hold office for two years. Although this is not written in stone and longer or shorter stints are welcomed, I have chosen to follow this precedence.

Being the Editor of the CSMS Pick and Pack has been both rewarding and enjoyable. It also requires a dedication of a lot of time, which I no longer have. Between studying for certification in my chosen discipline, increased work loads, and my family demands, the strain on my time resources has grown dramatically since I began as editor of the Pick and Pack. Unfortunately, my leisure activities must now suffer, and the time I can dedicate to this fine organization is one of them.

I encourage any existing or new member to step up and take on this honored role. Two years ago, when I volunteered to be editor, I had just joined the CSMS and began rock hounding. Knowing very little to nothing about rock hounding, I was unsure that I was qualified for such a position.

As the Editor, you must collect, process, and redistribute a lot of information to the club members. Not being part of the organization but for a few months, I was unsure if I could properly accomplish this. However, it proved to be a challenge that was fun to surmount. In fact, it proved to be a fantastic way to become part of the heart and soul of this historical organization. It has allowed me to gain friends that are the most knowledgeable and passionate about rock hounding and has proven to be the accelerated path to learning more about the subject I had joined the CSMS to learn: rocks, minerals and earth sciences.

If you are worried about lacking any of the skills that appear to be required to be editor, don't dismiss the possibility just yet. For those who say they cannot write, I have had to do little writing. We have some great members who have submitted many great articles, and the newsletters from other societies contain many more. For

See *Editor* on page 8

LOST: Please help!

When Virgil and I attended the show in June and brought a New Mexico mineral display I am fairly certain I also brought along a vintage mineralogical blowpipe kit that I was hoping to get appraised while at the show. The kit was a donation to our museum earlier this year, and Dave Bunk offered to look at it for us. The kit has come up missing, and we are trying to cover all the possibilities as to where I/we may have left it. One possibility is that I left it in the care of one of the dealers at the show — and then forgot to pick it up upon our departure. Have any of you heard any scuttlebut about such a blowpipe kit being found at the show?

The kit is housed in a mahogany case about 8" wide, and perhaps 6 or 7" deep and front to back. It opens from the top and is hinged on the back side about 1" down. Inside is a velvet-lined upper tray containing the smaller, mostly nickel-plated, instrument's rock nibbler, small wooden-handled hammer, and the stand for the alcohol/oil blowpipe lamp.

The lower compartment contains the reagent bottles and the nickel-plated alcohol lamp itself. Although the manufacturer's plate or label is missing, it is thought that the kit was made by instrument maker E. B. Benjamin (ca. 1880-1900) as one of the instruments—the small wooden-handled hammer—is stamped with Benjamin's mark.

Naturally, we are anxious to locate our missing artifact and return it to the museum collection. If you have heard anything about such a blowpipe kit or have any suggestions as to who I might pass this inquiry by, I'd be most grateful for your assistance.

Regards,
Bob Eveleth
Senior Mining Engineer
Associate Curator
beveleth@gis.nmt.edu

Fossil Group has new meeting day

Due to conflicting days, the Fossil Group monthly meetings will move to the 4th Wednesday evenings.

Field trip with our sister club?

I have been hearing rumors that the Colorado club (Stillwater's Sister Club) has some members that would like to come to Okla. to collect some quartz crystals. Do you know if this is real or not? I would like to have some names if it is. If it is real, a good time for us to go would be during the Idabel Show and Swap. The Show is during the week Oct 4-7th and is especially geared for kids. The Swap is that weekend Oct 8-9th (Sat & Sun). We could have the field trip most any day that week. For me, toward the weekend would be better, say Thur. through Sat. Idabel is in the far south eastern corner of Okla. so that is quite a distance from Colorado. But once you get there it is just a short distance to the quartz crystals in Arkansas if the ones in Okla. don't pan out to their expectations.

I would like to know if there are people who want to go so I have time to make connections and set up a place to hunt. There used to be lots of places, but now a lot of the area is under wildlife management by the state, and special permits and fees are now required to get on that land.

Sincerely,

Charles Ramming,

V. Pres. Stillwater Mineral & Gem Society

If you are interest in participating in such a fieldtrip contact Roger Pittman at: prpittman@netzero.net

Land

Continued from page 1

ings adjacent to federal parks or reserves otherwise of no value and then offered to swap these tracts for more desirable federal holdings closer to the resort or metro areas of the state. The feds were happy to oblige—they "rounded out" holdings, and the developers got choice chunks of pristine lands that they could "develop" close to the metro areas. BLM's role in this was various; they also were hit by the population along the lower Colorado River to "manage" areas formerly handled by one office out of Needles (?) CA.

Four years ago, the Lake Havasu City BLM Sub office started working on its "Resource Management Program" updates. A major part of that was to map all the trails and Off-highway paths, with an eye to closing them down. The fact that many of these trails connected small towns, mining sites and abandoned mines and town sites was not considered important. That's what piqued the interest of the rock, OHV and other outdoor and historical oriented clubs. LHC-BLM was only following orders from the state office, but it had the most "unmapped" area, with other areas in the state not as actively involved. Their local maps were badly out of date and inaccurate—they did not even show part of the town development and the major highway that had been built thru here since 1970. Prior to 1970, about the only paved road thru our Mohave County was old RT 66, later becoming I-40. There was no way to go from Yuma to Kingman, AZ, by paved road except by going thru Phoenix!

A newer player was our own AZ State Trust Land Department. They had been involved in the land swapping for the Central Arizona Canal Project, swapping hinterland tracts with the feds for land to build the CAP thru (from Havasu to Tucson). State Land has regulations that nobody can go across "their" land without a special permit. So they were interested in the mapping process, because it would tell them where they had trails they didn't know about, and which needed to be posted closed. Three years ago, State Land hired a contractor to map the Mohave County area in cooperation with BLM; unfortunately, the state budget crunch cut that short, just about the time it was 90% done on the ground. It has been mostly on hold since then.

Our collecting sites are mostly off road destinations in nearby California, our own Mohave County, and nearby Nevada. We are hip deep in old mine sites and quite a few old "ghost towns," and abandoned military

camps, as well as natural geological formations. We are, in the LHC/ Needles area, on several old pioneer trails, the old Mohave Trail, the old National Trail and parts of currently unnamed other old pioneer and military trails mostly blazed before the railroads came along in the 1880's.

BLM's stance in all this has been their traditional "management" posture. Their offices consist of "management specialists" for grazing, mining, timber, fish and game and, only lately, a recreational specialist. They have miles and miles of desert (here) and AZ outback to "manage" but don't have any staff to patrol, let alone maintain road and trail facilities, in their sandbox. We are being overrun by the population explosion with half of Southern CA coming over here to use the lakes and river, or run their ATV's and sand rails. The resulting carnage is not pretty to see, but the official stand is that "we must close off these trails, that is once we know where they are!"

For the past six months, all the state BLM Internet websites have been closed down. These were excellent notice boards, announcing public hearings on these or the other BLM activity including recreational matters and closures. The BLM state websites that I checked regularly were AZ, CO, UT, NM, OK/TX/KS, NV and CA. All are closed down with links only to the BLM national site. What I am getting from my sources in the local office is that they are "reorganizing" and they are moving regional supervision from Phoenix out to the Field Offices in Havasu, Yuma, Kingman, and Needles, giving them two layers of managers here. I don't know if they are doing the same elsewhere in AZ or in the other western states. I still get occasional BLM notices about endangered species or wilderness closure hearings but not nearly the number they posted regularly on their websites.

They have removed all the feral burros we had here and restocked the Desert Big Horns, so these activities are, temporarily, closed down. Our State Parks Dept. has developed the Great Arizona Trail, from Nogales to Utah, and is working on other OHV trails for 4wheelers, hikers, equestrians, and ATV. BLM ostensibly is working with the state parks and state fish & game, but none of the details seem to be filtering down from the state office level to the local field offices. (For example: a state BLM Communications Officer told the State Parks OHV committee in July that the trail mapping had all been done and would be part of the Resource Management Planning meetings starting in August in Yuma and in Havasu in September, and even later in

Kingman.)

The only problem is that Havasu BLM tells me they know nothing about the road maps status, and will start their RMP meetings in early October. A further classic example of the right hand not knowing what the left hand is doing?

Are you aware of the Blue Ribbon Coalition (www.sharetrails.com)? They represent outdoors groups of all kinds, trying to keep access to public lands on a reasonable basis. They are floating the idea of fee permits to access existing trails over public lands, proceeds to go toward maintenance and policing of the areas. As rockhounds, we are familiar with fee charging collecting sites, but not many 4wheelers or ATV users are, and they tend to oppose that idea. But it would get some funding for ranger personnel to police these public lands, something that isn't happening now.

My question to you (across the western states) is what is BLM doing in your area about Off-Highway trails, Wilderness Areas, etc - things that limit access to good collecting areas? I recall last spring that National Forest Service was to promulgate an "Off Road Trails Policy" that recognized existing trails (pending map publications) and limited traveling to established trails. That policy was to be studied by all federal agencies dealing with public land management, to establish conformity and uniform adoption by the agencies. But I haven't seen any news or website reports updating the regulations' status. Another question I have is what is the status of Public Lands in your area? Is BLM or some other federal agency "managing" them and how are they

Faults


Continued from page 1

easily recognized by relatively smooth surfaces. It is ironic that major faults cutting the Pikes Peak granite are often quite difficult to recognize, because the rocks on both sides are nearly identical. However, where rocks of different types are juxtaposed by faulting, recognition of a fault is quite easy.

A common adage among geologists is "once a fault, always a fault". This means when the earth is ruptured, the disturbed area remains a zone of weakness, even though the forces responsible for the original break may cease. Possibly many millions of years later, new stresses, typically generated by regional plate tectonic motions, will likely reactivate this same fault. If the stress direction has changed, the sense of motion of rocks on opposite sides

doing that? Have Wilderness designations cut off some good collecting sites? Regarding collecting, locally BLM has leased some "mining sites" for sand and gravel contractors to process and sell aggregates to the area construction industry. Somehow, they tend to overlook, it seems, the air quality standards and ground water drainage problems that these operations create, since they don't enforce those rules - some other agency does! One of the worst offenders here is the State Highway Department.

Is it practical to get rockhounds across the Federation territory to attend and monitor the public hearings that federal agencies must hold, by law? I feel that, by just showing up and asking questions, we can slow down a lot of the "management planning" that the bureaucrats use to shut us out of their particular slice of Public Lands. If we can get reports from the different clubs covering their home areas, can we run news stories, alerting the public as well as our membership, as to what is going on? There are a number of natural allies that we can coordinate with, such as the Blue Ribbon Coalition, state and national 4wheelers groups, hiking, biking and equestrian groups, etc. Even the bird watchers groups will not be happy if they can't get to their usual birding sites.

I have gone on at too great a length, but I wanted to paint a picture of what is happening in our neighborhood. I hope to hear from you what is happening in your backyard. Working together, we can keep informed and perhaps control to some extent what the bureaucrats would like to do to our local share of our Public Lands. 

Source: RMFMS Bulletin September 2005

along the fault may change. In other words, a normal fault, formed under tension, may become a thrust fault during later compression. A block that was once down relative to the adjacent side is now up.

Faults are great places to look for interesting minerals, because they provide avenues for fluids of deep origin to migrate to shallower levels. As these fluids cool on their way up, certain minerals are deposited when their stability fields are reached (the right temperature-pressure regime). Faults are good sites to explore, but intersections of faults are even better! Many of the world's great ore deposits are located at fault intersections, because of their improved "plumbing."

Worldwide, oil and gas fields are commonly localized along fault systems. These provide both a structural trap to receive hydrocarbons as well as a migration path be-

Stillwater, Oklahoma Mineral & Gem Society's review of our show

The Colorado Springs RMFMS Show Delegate's Report

by Charles Ramming

We arrived mid-afternoon in Colorado Springs the Thursday before the show started while the dealers were setting up in the Phil Long Expo Center (an old Homebase building). The building had lots of space, and the show didn't use all of it. For our dry camping, we got to park under the roof of the old garden-center-area. It made it real nice and gave us protection from afternoon thunderstorms that were occurring. One storm was fairly strong, but the other was just a nice shower. That evening we got our 2006 show display and Cassidy's Jr. display set up. We spent Friday viewing the displays and dealers' wares and listening to a couple of programs. With all their space, they had lots of dealers (38 listed in the program). They had all kinds of items, but seemed to have more minerals than anything. There were lots of nice display cases, but only 9 competitive cases and one of those withdrew before being judged. I hope our show can do better! [Ed. note: Stillwater is hosting the 2006 RMFMS Show.] If I counted right, there were 47 non-competitive cases. There were special displays from the Smithsonian Museum and several dinosaur displays (a couple of which walked around in the crowd) and a very neat working model train exhibit!

Saturday morning, we attended the Breakfast with the Editors and, after lunch, the Delegates Meeting. Written reports of the officers were given and are available for any member to look at. Also, during the meeting, I pointed out our 2006 show display and literature and invited them to take the literature and be sure to come to our show.

continued on next page sidebar

Continued from page 5 sidebar

The 2007 show will be in Roswell, N.M. The main item of business was concerning an update to the Federation Show Operating Procedure. After much discussion the delegates decided to return the proposal to committee for further revision. New officers were elected for the next year with Richard Jaeger of Tulsa being President and Stan Nowak of Enid being Vice-President. No Secretary was elected and is to be appointed later by the President. Keith Price was elected as Treasurer, and John Revenscroft from Tulsa will be the State Director to take Stan Nowak's place.

That evening we attended a delicious Bar-B-Que Awards Banquet. The awards presentation went quickly. Dr. Michael Wise of the Smithsonian gave an excellent slide show discussion of North Carolina Emeralds and other minerals. The evening ended with an auction of the RMFMS share of the AFMS 50th Anniversary cabs. Proceeds are going to the AFMS Scholarship Fund. (Charles successfully bid for the cab Tom Sanders had sent, and another one. Ruby got the cab John Humphrey had made, but she missed out on the one she had made. Judy Beck, RMFMS President got that one.)

Sunday we took a leisure day, making final stops at the dealers and a last look at the displays. That evening we took down our displays and got ready to go on Monday's fieldtrip. Monday morning we traveled to Hartsel (about 70 miles west of Colorado Springs) and met the group in town at the designated stop. From there we had a short drive to a ranch where we picked up and dug pieces of blue barite. We ate a quick lunch and then drove south into Fremont County to a peridot site. We found lots of small pieces free on the ground and more in rock matrix. Tuesday morning we headed for Shirley Basin, WY for our own field trip even though the show had a trip to Florissant, CO for fossils that day and a trip the following day to Gold Camp Road. It was a good show, interesting and informative. I believe we all had a good time; just wish more (of Stillwater members) could have been there also.

The Rockhound Gazette, July 2005, Stillwater Mineral & Gem Society

tween a deep, hot source rock (often a dark shale) where the hydrocarbons originate, and a shallower reservoir (sandstone, limestone, dolomite, etc.), the "holding tank."

The Florissant Lineament (presented in a previous newsletter) is a very old fault with a long history of reactivation. It is believed responsible for the straight-line trend

sandstone, perhaps a beach deposit. The individual quartz grains are well rounded, due to a high energy environment of deposition along a shallow sea. This sedimentary unit was subsequently buried very deeply, lithified into an extremely hard, brittle rock, and then broken up (brecciated) due to faulting. Note the highly an-



of Tarryall topaz/ beryllium ore, Cripple Creek gold/ silver, Lake George amazonite/ smoky quartz, and even Florissant plant/ insect fossils. This fault zone served to localize particular "juicy" intrusions and/or volcanoes over a wide span of geologic time. In the Florissant area, it apparently down-dropped a valley and allowed preservation of relatively young fossiliferous sediments that otherwise may have been eroded.

An Application of the above principles to the Pikes Peak Region

OK, so faults are important. But are they mostly academic? Does the systematic search along known faults or the recognition of new faults have any relevance to our mineral club for identifying worthwhile opportunities to collect?

The photos below are of a jasperized orthoquartzite breccia from a fault zone in the Pikes Peak region (as I am writing this, I am aware the photos will be published in black and white. but they are much prettier in color - Download the Pick and Pack on our website with colored photos at www.CSMS.us). This rock was once quartz

zite fragments, indicating there was no significant erosion or transport of the material.

Finally, bright red silica-bearing fluids rich in iron-oxides (jasper), probably originating from a hidden intrusive source below, flooded the fault zone and thoroughly cemented it.

Because this rock is almost pure silica, it takes a nice polish. The color contrast and unique patterns on slabbed specimens make this worthwhile lapidary material.

It is a sad fact that many historic collecting sites that have yielded prized mineral specimens are either grossly picked over or inaccessible. For our hobby to thrive, it is incumbent on those of us who are able to find new collecting sites. The optimum prescription for success is a combination of library research and fieldwork. One without the other requires tremendous luck; when done together, the "luck factor" is minimized and perseverance becomes important.

You don't have to be a geologist to do worthwhile library research to narrow your focus in the field. Many clues are in the public domain. Surface geologic maps are

especially important, because they distill considerable effort in the field by many professionals, covering large areas. The United States Geological Survey (Federal Center, Denver) and Colorado Geological Survey (1313 Sherman St., Denver) have published many fine maps and articles to consider. I encourage you to visit them on your next trip to Denver, purchase a map for the area you are interested in, look at where the faults are, and consider what the outcrop patterns mean. Maps published in color are best. Otherwise, it is important to color the

various outcrop patterns yourself to understand the big picture. If you have any questions regarding how to interpret geologic maps, don't hesitate to call me at (719) 748-3356.

The author is a member of the CSMS. His article, The Florissant Lineament, won first place in the Adult Articles Advanced in the 2005 RMFMS Bulletin Awards. Read this article in the September 2004 issue of the Pick and Pack. You can find it in the Archives on our website at www.CSMS.US



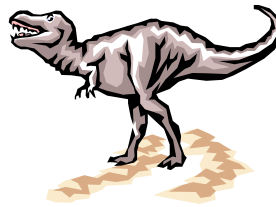
**Cripple Creek Park and Recreation Department Presents
A Geoscience Adventure Class**

Cripple Creek School of Paleontology

October 22, 2005

This entertaining and educational class is for anyone interested in an introduction to the fascinating world of fossils. This adventure class:

- # highlights astonishing new dinosaur discoveries
- # features the mammoth found at Florissant and other Pikes Peak area fossils
- # presents how to find and prepare fossil specimens
- # is perfect for teachers K through 12
- # includes a field trip and hike at the Florissant Fossil Beds National Monument and a guided tour of the Rocky Mountain Dinosaur Research Center



Itinerary

8:30 am	Presentations and discussions at the Park and Recreation Center
11:30 am	Board bus for the Florissant Fossil Beds National Monument
12:00 pm	Lunch at the Florissant Fossil Beds National Monument (bring sack lunch)
1:00 pm	Presentation by a Park Ranger about the fossil beds
1:25 pm	Explore the fossil beds (guided hike)
2:25 pm	Leave for Rocky Mountain Dinosaur Research Center (Woodland Park)
3:00 pm	Arrive Rocky Mountain Dinosaur Research Center
4:45 pm	Leave for Cripple Creek
5:30 pm	Arrive downtown Cripple Creek

Part of this class is conducted in the field and requires participants to be in good general health and able to do an easy hike about one mile long. Come prepared with clothing appropriate for mountain weather in the late fall. Cripple Creek offers many interesting diversions after class.

Date:	October 22, 2005
Time:	8:30 am to 5:30 pm
Place:	June Hack Community Center in Cripple Creek
Fee:	\$35.00 includes materials, transportation, completion certificate, and admissions
Register:	Call Cripple Creek Park and Recreation at 719-689-3514 today

Denver Show

We have a lot of new members who may not know about the Denver Show that is quickly coming up. I have always heard that the Denver Show competes with Munich as the second largest show in the world. Tucson is the largest. Gas prices will make Tucson more expensive this coming year but Denver has a great offering of many of the same vendors.

The Denver Gem and Mineral Show and the Colorado Mineral and Fossil Show will take place during the week following the symposium, Sept. 16-18 and Sept. 15-18, respectively. Some events taking place in connection with these shows are:

Wed., Sept. 14: Reception and silent auction fundraiser

at the Colorado School of Mines Geology Museum, 13th and Maple Streets, Golden; all are welcome (7 p.m.).

Sept. 14-18, Colorado Mineral and Fossil Show

held at the Holiday Inn-Denver Central (4849 Bannock, west side of I-25); 10-6 Wed.-Sat., 10-5 Sunday. "200 dealers, free shuttle bus to the Merchandise Mart" See http://www.mzexp.com/colorado_fall.htm for more info.

Sept. 16-18, Denver Gem and Mineral Show,

at the Denver Merchandise Mart, 58th Ave. and I-25. See <http://www.denvermineralshow.com>

Hours are 9-6 Fri., 10-6 Sat., 10-5 Sun. Saturday evening, Sept. 17, at the show will be a reception, silent auction (to benefit Rocks & Minerals magazine) awards program, and lecture; all are welcome.

New Exhibit: *The Art of Mining*

The Western Museum of Mining and Industry (WMMI) announces a new exhibit: *The Art of Mining!* Everything we do uses mined materials: cars, bikes, food, and even paints. We have to mine to get many of the colors an artist uses to paint, and even many of their supplies come from mined materials. The Western Museum of Mining & Industry invites you to our new exhibit, *The Art of Mining*, where mining is seen through the eyes of the artist. Please join us for this unique experience!

The exhibit will run from August 1, 2005-December 15, 2005.

The Western Museum of Mining and Industry (WMMI) is 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.

The museum is open Monday-Saturday 9:00 a.m.-4:00 p.m.

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

Remember to visit their web site at www.wmmi.org.

Editor

Continued from page 3

those who say they know nothing about desktop publishing, very few, if any, editors do. Take solace: this year's award winning newsletter uses the standard two-column layout that most word processing programs can produce. [To see the top three newsletters at this year's AFMS competition, visit our website at: www.csms.us/newsletters/winners.] It is content, not presentation, that matters. For those who say they can write but know nothing about a computer or visa versa, the editors' position is held jointly in many organizations around the country. Having a team made up of a writer/editor and a layout/computer person would work great. Now is the time for you to ask yourself if you are ready to step up and become part of the grand history of the Colorado Springs Mineralogical Society, to add your mark to history of this 63-year-old organization and continue the legacy of a newsletter that has been published for 45 years. In fact, all past and present issues of the Pick and Pack are being preserved in the Carnegie Library building as part of the Pikes Peak Library District's Colorado History section. The Pick and Pack is a local historical document that needs to continue. So, are you ready?



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

September's meeting has been delayed by one week. This month's meeting will be on September 14 at Drew's office.

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

Camera Club meets on the fourth Tuesday of each month at 7:15 at the Senior Center, 1415 N. Hancock. The competition for August was won by Pat Pittman. Competition for Sept. is "Lakes." Oct. is "Fall." Roger missed the July meeting while traveling. The remaining members took this opportunity to hold elections and re-elected Roger as President and Pat Pittman as Secretary.

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

The Crystal Group will meet this Friday at the Senior Center on North Hancock. The meeting this month is "Summer Finds." Bring your summer finds and purchases to show off.

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

The jewelry club will meet at Noon, Saturday, September 17, at Rick Copeland's, 6608 Gambol Quail Dr E. Phone 594-6293.

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

The next Faceting Group meeting will be Monday, September 26 at Rick and Pat Olsen's home: 535 Hidden Valley Road at 7:00.

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

Fossil Group's September meeting will start off our meetings on the 4th Wednesday now. It will be at John & Bonnie Linder's, 4708 Bethany Court in University Park at 7:30 on the 28th.

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

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

President	Drew Malin	531-7594	advanceone@adelphia.net
Vice President	Rick Olson	531-7818	RickPat66@aol.com
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Member-at-Large	John White	630-0300	bluski2222@msn.com
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Field Trip Director	Brent Williams	632-3552	zaphod1863@yahoo.com
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Crystal Study	Kerry Burroughs	634-4576	kburroug@adelphia.net
Faceting Group	Dave Wilson	635-7891	dlwilson@pcsisys.net
Fossil Group	John Harrington	599-0989	harrington1@mindspring.com
Lapidary Group	Drew Malin	531-7594	advanceone@adelphia.net
Micromount	Phil McCollum		acc@frii.com
Jewelry	Rick Copeland	332-7915	rick.copeland@covad.net

Events

- 3 Sept - Saturday, Noon**
Lapidary Group
- 9 Sept - Friday, 7:30**
Crystal Study Group
- 13 Sept - Tuesday, 7:30**
Micromounts Group
- 14 Sept - Wednesday, 7:00**
Board Meeting
- 15 Sept - Thursday, 7:30**
General Assembly
- 16-18 Sept - Fri -Sun,**
Denver Show. See sidebar on page 7
- 17 Sept - Saturday, Noon**
Jewelry Group
- 26 Sept - Monday, 7:00**
Faceting Group
- 27 Sept - Tuesday, 7:15**
Camera Group
- 28 Sept - Wednesday, 7:30**
Fossil Group
- 1 Oct - Saturday, Noon**
Lapidary Group
- 5 Oct - Wednesday, 7:00**
Board Meeting
- 11 Oct - Tuesday, 7:30**
Micromounts Group
- 14 Oct - Friday, 7:30**
Crystal Study Group
- 15 Oct - Saturday, Noon**
Jewelry Group
- 20 Oct - Thursday, 7:30**
General Assembly
- 24 Oct - Monday, 7:00**
Faceting Group
- 25 Oct - Tuesday, 7:15**
Camera Group
- 26 Oct - Wednesday, 7:30**
Fossil Group
- 31 Oct - Monday**
Halloween

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