

PICK&PACK

THE BULLETIN OF THE COLORADO SPRINGS MINERALOGICAL SOCIETY Published Since 1960

MAY 2011
PICK&PACK
Volume 51 Number 04

A “WHOA MOMENT” IN THE COUNTRY: THE GATES OF LODORE

BY DR. MIKE NELSON, CSMS

The *Whoa Moment*. A time where you want to yell WHOA, back it up and let me see that again. A moment when you get a rush, feel goose bumps, a moment that you would like to preserve “forever”. How many of those moments have rockhounds experienced in their lives? The first time you faceted a piece of glass in Paul’s class and it came out looking like a tiffany jewel? *Whoa*, let me savor that moment again. What about the first time that you viewed Longs Peak from “up close” (I had an adrenalin rush)? One of the great joys of my life is coming around the corner and, *Whoa*, there it is, play it slowly. The first time that one of my students found a really nice shark’s tooth on a field trip—a *Whoa Moment* to a teacher as the student’s eyes lit up and all of a sudden they “understood” what it was all about. At times a *Whoa Moment* is also a serendipitous moment, something completely unexpected, but pleasant, happens when you least expect it. I was in Portland, Oregon, a few years ago and the clouds parted and there was Mt. Hood—completely unexpected. In about five minutes it was gone. Play that again--please! It didn’t. So, this is what makes life interesting for me (and probably you)—what is coming around the corner? When will the next *Whoa Moment* arrive? That certainly is one of the reasons that I am a rock-



Fig. 1. The Gates of Lodore, Dinosaur National Monument, where the Green River plunges through the Uinta Mountains. Photo courtesy of Wayne Ranney.

in the vicinity.

Many decades ago I needed a summer job in Utah in order to finish work at the University and be near my advisor; I also had a new child to support! What turned out was a position as a seasonal Ranger-Naturalist at Dinosaur National Monument (DNM). In retrospect, these were three of the best summers of my life. We lived on base housing, I gave interpretative talks, gathered folks around a campfire for evening presentations, led field trips, talked to visitors about dinosaurs, and explored, and explored some more. I even finished my degree “on time” and by my third summer had another child in tow. Life was good.

Most visitors to DNM are there because of, well, the dinosaurs. However, there is much more to the Monument (211,000 acres) than fossils but most people are in a hurry and tend to ignore the back country. I am often reminded of the

hound and have retained my interest in geology through the decades. There is always a chance for a *Whoa Moment*. So, how is this leading up to a story? Colorado is fortunate to have, in its geography/geology, a thousand places where one could experience a *Whoa Moment*; maybe even ten thousand or more. One of those places is the Gates of Lodore in far northwest Colorado (Fig. 1). Probably very few of the readers have visited the locality since it is far off the beaten path--- northwest of Maybell (west of Craig on U. S. 40) on CO 318. However, it is well worth the trip if you are



Fig. 2. Yampa River, DNM, where the Weber Sandstone of Pennsylvanian age forms the canyon walls. Photo courtesy of DMN.

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 10 times each year to assist and promote the above.

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movie Vacation where Chevy Chase is looking at the Grand Canyon for about 30 seconds and then states “let’s go”! Most visitors to DNM are just passing through the area and therefore miss out on half of the fun. Let’s go.



Fig. 3) Browns Park, Colorado and Utah. Note the Colorado-Utah state line would run in a “straight” east-west direction. The Green River flows from the north into the current Flaming Gorge Reservoir, turns abruptly east through Red Canyon and then Browns Park. At the gates of Lodore the river turns south through Lodore Canyon, Whirlpool Canyon, and Split Mountain Canyon where it emerges near the DNM Quarry and flows into the Uinta Basin on its way to join the Colorado River. Map from Hansen, 1975.

The back country of DNM is dominated by canyons of two rivers—the Yampa

(Fig. 2) coming in from Colorado and the mighty Green flowing south from Wyoming (Fig. 3). Both have cut spectacular canyons and both are accessible to the traveler via private or personal river running (permits required). Although the scenery in both canyons is almost beyond words, and I was spellbound during my first float with the Park Service, there is one *Whoa Moment* that will almost take your breath away—the Gates of Lodore where the Green plunges into, and through, the Uinta Mountains (Fig. 1).

Any story about the Gates of Lodore would be incomplete without entering into a conversation about John Wesley Powell and his river expeditions of 1869 and 1871 down the Green and Colorado Rivers and finally through the Grand Canyon. These trips, although not the first through the canyons of the Uinta Mountains (see below), were the first scientific explorations of the Green River. Powell’s account of the trips was published in 1875 as *Report on the Exploration of the Colorado River of the West and Its Tributaries* and then reprinted and republished in 1895 as *The Exploration of the Colorado River and Its Canyons*, and in several later editions. One often sees black and white reproductions of expedition photos (as in this article); however, the only photographers were E. O. Beaman and Jack Hillers on the second, 1871-72 trip.

Powell was born in Mount Morris, New York, in 1834 and his admirers like to point out he was a traveler of major proportions: 1) he decided to walk across Wisconsin in 1855; 2) in 1856 he traveled by “row boat” from Minneapolis—St. Paul, Minnesota, to the Gulf; 3) in 1857 he rowed from Pittsburgh, Pennsylvania, down the Ohio River to St. Louis; and 4) in 1858 he rowed down the Illinois River, turned north and rowed up the Mississippi River to the Des Moines River and then up that river to a spot in Iowa. At times I thought that perhaps I was restless but my journeys “could not hold a candle” to Powell’s.

Powell served in the Civil War from enlistment in 1861 until the termination of the conflict. He lost his right arm at the battle of Shiloh and ended the war as a Major (Brevet Lieutenant Colonel) and became a professor of geology at Illinois Wesleyan University. He also was a major force in the founding of the Illinois Museum of Natural History. Powell’s yearning for adventure reached a new high point in 1869 when



Fig. 4. Powell’s boats ca. 1871, 2nd expedition, moored at Green River, Wyoming. Photo courtesy of USGS.

he rounded up \$1100 from Illinois Normal University (now Illinois State University) and Illinois Industrial University (now University of Illinois), \$2000 of personal savings, a free ride for crew and supplies on the Union Pacific and Burlington railroads to Wyoming, instruments from the Smithsonian Institution, and supplies from the U. S. War Department. On May 24 he, along with a crew of nine men in four boats, left Green River, Wyoming, (Fig. 4) to explore the great unknown (May 24, 1869—*The good people of Green River City turn out to see us start. We raise our little flag, push the boats from shore, and the swift currents carries us down*; Powell, 1945). The journey ended about 98 days later at the mouth of the Virgin River (~900 river miles) below the Grand Canyon with four fewer men and one less boat (one man quit and three deserted).

The *Emma Dean*, 16 feet long, was made of pine wood and held Powell (in the famous Captain’s chair; Fig. 5), Jack C. Summer (Civil War vet and hunter), William H. Dunn (hunter and trapper from Colorado). The other three boats were made of oak and 21 feet in length; the *Kitty Clyde’s Sister* held Captain William Powell, John Wesley’s brother, and Lieutenant George Bradley (recently rescued by Powell from Fort Bridger, Wyoming). Riding in the *No Name* were the Howland brothers Oramel (editor and hunter) and Seneca (hunter), and the English adventurer, Frank Goodman. Finally, the *Maid of the Canyon* held the cook, Bill Hawkins and Andy Hall, a hunter (only 18 or 19 years old). Powell (1945) noted, *We take with us rations deemed sufficient to last ten months... For scientific work, we have two sextants, four chronometers, a number of barometers, thermometers, compasses, and other instruments.*

Two days later, on May 26, the party entered the first of four canyons along the Wyoming-Utah state line he named Flaming Gorge (*It enters the range by a flaring, brilliant, red gorge, that may be seen from the north a score of miles away*; Powell, 1945), Canyon of the Rapids (Horseshoe), Kingfisher, and Red, of which he (1945) noted *The cliffs on either side are red sandstone, and stretch up towards the heavens 2,500 feet ... As twilight deepens, the rocks grow dark and somber; the threatening roar of the water is loud and constant, and I lie awake of thoughts of the morrow, and the cañons to come, interrupted now and then by characteristics of the scenery that attract my attention*; Fig. 6). They encountered serious rapids in the canyons, several of which could not be “run” and therefore the boats were “roped” through. On June 2nd the expedition came upon an inscription, “**Ashley 18-5**”: *On a rock, by which our trail ran, was written “Ashley”, with a date, one figure of which was obscure—some thinking it was 1825, others 1855. I had been told by old mountaineers of a party of men starting down the river and Ashley was mentioned as one*



Fig. 6. Red Canyon ca. 1871, Powell 2nd expedition. Note it was published as a stereographic pair!

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Fig. 5. John Wesley Powell’s boat, the *Emma Dean* ca. 1871, 2nd Powell expedition. Note his Captain’s chair. Photo courtesy of USGS.



Fig. 7. Computer generated image of Browns Park region—north is actually to the left. Green River flows east (down in image) through Browns Park and then turns south through the Canyon of Lodore, picks up the Yampa River flowing from east (near center of image), through Whirlpool Canyon, Rainbow Park, and finally through Split Mountain Canyon (near lower left corner). Image courtesy of Dr. Wm. Bowen.

canyons as dangerous: *The Channel of the river is more confined by this than the mountain above the walls of the mountain are perpendicular on Each side of the river and from three to 4000 feet high of a reddish colour the channel of the river is much obstructed by rocks which make it exceedingly dangerous to descend...rode the rapids for six days without food through the perpendicular canyons.* Evidently someone in the party decided to leave some graffiti on the rock and so inscribed **Ashley 1825**. On June 4-7 the Powell expedition came out of the rapids and canyons of Red Canyon and entered the calm and quiet waters of Browns Hole (now Browns Park): *We start early and run through to Brown's Park. Halfway down the valley, a spur of red mountain stretches across the river, which cuts a canyon through it. Here the walls are comparatively low, but vertical. A vast number of swallows have built their adobe houses on the face of the cliffs. . . . The young birds stretch their little heads on naked necks through the doorways of their mud houses, clamoring for food. They are noisy people. We call this Swallow Canyon* (Powell, 1945).

Browns Park is an isolated basin in extreme northwestern Colorado and northeastern Utah (Figs. 3 and 7). It is approximately 40 miles in length and perhaps six miles wide with Cold Springs Mountain on the north and Diamond Mountain on the south. Browns Park is a half-graben filled with Miocene stream and lake sandstone and siltstone. The bounding fault is the Home Mountain Fault on the north flank of the valley (Sprinkel and others, 2005). Hansen (1975) has an interesting story about this Park and its existence on the crest of a mountain range: "The Browns Park Formation accumulated on the floor of a preexisting canyonlike valley. The valley was formed partly by ordinary erosion and partly by downfaulting along the crest of the great Uinta anticline. Faulting probably helped to establish drainage there in the first place. As the fill accumulated, the contour of the old valley gradually softened, until it took the shape of a shallow elongate syncline (something like an extra-long celery dish). Thus, we have a syncline of deposition, modified by later faulting, superimposed on the crest of a folded anticline."

The winters in the park are relatively mild and seem to create an optimum environment for holding cattle and several large ranches were operating by the 1800's. The Park also became the part-time home to several men with less than stellar reputations,

(from a Powell letter dated June 2, 1869 and published in the Chicago Tribune). We now know that piece of information refers to William H. Ashley, a founder (along with Andrew Henry) of the Rocky Mountain Fur Company. In spring 1825 Ashley and his party, while looking for beaver, successfully navigated the Green River through the canyons of Flaming Gorge and Lodore in Bull Boats, an amazing feat. These boats were nothing more than bison hides stretched over a willow frame. Most are small, but one craft Ashley constructed was "16 x 7 feet". Ashley (William H. Ashley papers) described one of the Flaming Gorge

most notably Butch Cassidy and the Wild Bunch. Today much of the Park is preserved as the federally managed Browns Park Wildlife Refuge.

The quiet waters of Browns Park seemed not to agree with all members of the Powell expedition for George Bradley (1947) recorded: *June 6, '69. . . . The river is so broad and still and the wind contrary that we have had to row all the way and I feel quite weary tonight. Would rather have rapids than still water...*

Bradley and other members of the Powell expedition probably had their *Whoa Moment* on June 7th for they were at the lower end of Browns

Hole and were about to plunge into an unknown world. After complaining about the quiet waters Bradley (1947) recorded: *...but think I shall be accommodated, for we have now reached the canyon at the lower end of Brown's Hole and the Gates of Lodore loomed directly ahead in their path.* Powell (1945) stated the canyon had *opened like a beautiful portal to a region of glory...the vermillion gleams and rosy hues, the green and gray tints are changing to somber brown above and black shadows below...tis a black portal to a region of gloom.* Today the Gates of Lodore represent the northern boundary of Dinosaur National Monument and remain an impressive site, a *Whoa Moment*, to any visitor. The name Lodore was given to the Gates and the following canyon (Fig. 8) by Powell and was named after the English waterfall in Cumberland made famous by Robert Southey in the poem *Cataract of Lodore*.

The Gates of Lodore exposes the red quartzites, shales and sandstone of the late Precambrian Uinta Mountain Group (~740 Ma to ~850 Ma) (Sprinkel and others, 2005). As the traveler proceeds down the canyon successively younger rocks appear so that at the mouth of the canyon Pennsylvanian rocks crop out. But, that is a story for another time.

*How does the Water
Come down at Lodore?"
My little boy ask'd me
Thus, once on a time;
And moreover he task'd me
To tell him in rhyme.*

From the *Cataract of Lodore* by Robert Southey.



Fig. 8. Lodore Canyon ca. 1871, 2nd Powell expedition. Photo courtesy of USGS.

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PROPOSED MOTIONS: CSMS BOARD MEETING June 2, 2011

Background information:

We currently provide for our Corporate Members to have one 3.5' X 2" (the approximate size of a typical business card) advertisement in the Pick & Pack each month for an entire year. They get these plus five members for a cost of \$100 per year. It is not known whether we have any Corporate Members at the present time. Their ad size is such that we can fit 8 to a page with spacing around the advertisement, which is the same size as a 1/8th of a page advertisement.

MOTION 1: Be it resolved that:

1. CSMS institute the following charges for advertisements in the Pick & Pack:

A. A 1/8th (business card size) page advertisement shall cost as follows:

1 month	\$6.00
3 months	\$17.00
5 months	\$28.00
10 months	\$50.00

B. A 1/4th page advertisement shall cost as follows:

1 month	\$10.00
3 months	\$27.00
5 months	\$45.00
10 months	\$90.00

C. A 1/2 page advertisement shall cost as follows:

1 month	\$18.00
3 months	\$50.00
5 months	\$80.00
10 months	\$150.00

D. A full page advertisement shall cost as follows:

1 month	\$30.00
3 months	\$80.00
5 months	\$130.00
10 months	\$200.00

2. All advertisements must relate to the goals or interests of members of CSMS.

3. All advertisements shall be paid for in advance and acceptable copy must be provided that meet the guidelines of the Editor.

4. All CSMS members, including Corporate Members shall receive a 50% discount on advertisements.

5. Advertisements by other AMFMS Clubs for their shows shall be provided at no cost for a one month's listing. Additional months' free listings will be at the discretion of the Editor and President of CSMS.

6. CSMS, its officers, members and the Pick & Pack will not be liable for any advertisement or the lack of printing an advertisement.

7. These rates shall be in effect until such time as the Board sees fit to change them and will go into effect immediately.

8. These advertisement rates do not apply to the Western Museum of Mining & Industry or any other group deemed appropriate by the Board of CSMS.

Submitted by Ron Yamioloski



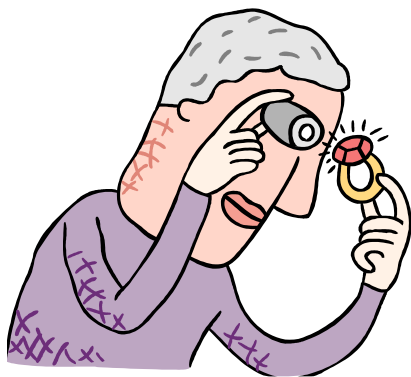
CSMS Constitution Amended for Junior Members

In the March meeting a change to our constitution was motioned and seconded. This would change our definition of Junior Members from: "Article III - MEMBERSHIP B. JUNIOR MEMBERS -Those who are between their twelfth (12th) and eighteenth (18th) birthday." to "Article III - MEMBERSHIP B. JUNIOR MEMBERS - Those who are under eighteen (18) years of age." Submitted by Roger Pittman

My Interest in Gemology

By Jacob Murphy, CSMS Pebble Pup

If I could be something, I'd be a gemologist. The reason is I like to do things involved with minerals, and I'd try to do things like cutting red diamonds, finding amazing specimens, and collect one type of stone and figure out how to change its appearance.



Another reason is because I enjoy being around things that are interesting that I can study. This is because when I focus on something I get really interested, thus making me a hard worker. And that is the first reason

why I'm thinking about gemology.

The second thing is because when I first started in a rock club, a spark of interest flared and then I got started in collecting. In the past, when I was 4, I took an interest and started picking up pebbles and stones. Then when I was 6, I made a collection by finding halites, feldspars, and calcites.

When I turned 8, I collected gemstones and I picked up some amethysts and other minerals like amazonite. Now I am 11, and I collect various types of minerals like halites, amethysts, feldspars, and plenty of other things. And that's yet another reason why I'm thinking about being a gemologist.

When handling gems you have to be careful like me—and I can be very careful. I enjoy working with saws and for that you have to be very, very careful. Otherwise you'll mess up the gem. Next, I think that when polishing it you must polish very good, or it won't look good. I've had experience with doing that and you just can't mess it up.



Finally, you must be careful handling the gem, and I can be very good at that so that's another reason I want to be a gemologist. You must also be serious. Being serious is important because if you're messing around and slap the gem by accident, you could break it; and me, I'm, very serious. That's the last reason while I am still thinking about being a gemologist.

NOTICE OF MEETING CSMS PEBBLE PUP & JUNIOR TEAM

by Steven W. Veatch

The CSMS Pebble Pup and Junior Team will be meeting on Thursday, June 16, 6:00 pm at the Colorado Springs Senior Center. By custom, the CSMS youth meet for classroom activities during the academic year and attend field trips in the summer. The purpose of this important meeting is to plan the curriculum for the next academic year starting in September. I would like the group to consider:

- Having both pebble pups and the junior group meet together. There would only be one meeting time.
- Increase emphasis on the merit badge program
- Encourage our youth to participate in science fairs
- Encourage our youth to continue to write science articles
- Encourage our youth to continue to work on original earth science projects
- Recruiting parents to help more with setting up/taking attendance, etc.

Receiving your good ideas.

If any members of the CSMS who would like to attend this meeting and be a part of the CSMS youth program please feel welcome to attend.

Steve Willman Long-Term CSMS

Member Submitted by Berry Willman

I am sending an item from the May 2nd Gazette's "Back Pages" column. While the name is spelled wrong, I know it is our own Steve Willman. You run Steve's add every month (Sangre de Cristo Galleries in Westcliffe), but most people today don't realize

May 2, 1961
MINERAL SPECIMAN DISPLAY
--- Steve Wellman, Jr., member and recent blue ribbon winner in inter-club competition, selects a series of his fine mineral specimens for display at the 1961 Colorado Springs Mineralogical Society show to be held at 1004 S. Tejon St. Saturday and Sunday.
COLORADO SPRINGS
PIONEERS MUSEUM

he was an active teenager in 1961 and has kept his interest in minerals to this day. He was my partner for years in our 2nd Mesabi Claim in Lake George. It may come as a surprise that the club had an active Junior Group and had a Show in the 1960's.

Our Next Great Adventure

By Frank & Ellie Rosenberg

This time we are headed to Ft Lauderdale, FL for a 30 day cruise through the Panama Canal to Lima, Peru and back. On the way to Ft Lauderdale, we stopped to do some mineral collecting.



Our first stop was at The Great Salt Plains State Park, Jet OK where we dug for Selenite Crystals.

The first five pictures are from The Great Salt Plains State Park. I must say – OK is one FLAT, WINDY place. This was a great time of year to dig here. The digging season starts April 1st running through October 15th. The white area you see is a thin layer of dried salt above sandy soil. We dug a shallow hole about 2 foot dia and 2 foot deep. Water quickly seeps in. As we widened the hole we saw crystals along the sides. We washed out the crystals with the water in the hole. At this point the crystals are very fragile so we carefully set them out to dry. If we are lucky, we have wrapped them carefully enough to survive the rest of our trip and we will have a good quantity whole crystals when we get back.

Our next stop was at Crater Of Diamonds State Park, Murfreesboro, AR. Unfortunately, we did not find any diamonds. Crater of Diamonds gives new meaning to the phrase “Looking for a needle in a haystack.” It is a 38 acre plowed field and technically a diamond can be found anywhere; but some places are more likely than others. Walking around looking at the top of the ground (surface searching), according to the professionals, is the least likely way; yet some diamonds have been found that way, even some relatively big



ones.

Another method is dry sifting and the third is washing the soil and gravel at one of the pavilions. The washing method, which is

the same way we used to find sapphires, requires washing the soil through several different sized screens (from larger to smaller). When the finest screen is used, the screen is shifted side to side just below the water and turned ¼ turn at a time. It works on the principle that the heavy materials will fall to the bottom. Since the diamonds are heavier than the rest of the gravel, the diamonds will collect at the bottom of the screen. Once the gravel has had the



topsoil fully washed, the screen (or saruca as it is called) is flipped upside down. When done right all of the heavy material is concentrated in the center at the top of the flipped gravel and the



diamonds (if they are there) are readily visible on top of the pile of fine pebbles. Of course, the trick is to find the best material to wash. We have been told to look for dark gravel – not easily found. Only 2 diamonds that we know of were found during the 3 days we searched – a 13 point white and a 41 point white (there are 95 points in a 1 karat diamond). The first was found by washing and the 41 point was discovered by raking a furrow right after the field was plowed. Both were very pretty. There was a story circulating that some woman had been too tired to wash off her rubber boots that night and she found a small yellow diamond stuck in the mud on the bottom of her boot. It truly is a miracle if anyone finds a diamond this way.



The professionals must put in a lot of hard work. They can rent their own washing station that comes with a fenced area where they can leave equipment for \$2 dollars a day or \$40 per month. We talked to a man who had been working the Crater for 18 months and of course had found some diamonds – even some he would sell.

The real miners dig holes along drainage areas looking for layers of gravel. They dig down 8-10 feet and at least 6' by 6'.



They collect as many buckets of the gravel material as they can in one day since park rules require them to fill in the hole before leaving, then they spend

the next couple of days washing and concentrating the gravel.

Most of the diamonds they find are very small – in the 5 – 30 point range. These sell for about \$10 per point. Anything bigger and especially if it has some nice terminations sells for considerably more. We saw a really beautiful yellow about a ½ carat that looked almost as if it had been faceted.



Specimens Needed for September Show!

Similar to last year's display of topaz specimens loaned to us by various Colorado mineral collectors, please mention in your newsletters that our featured Colorado minerals this year are those that contain rare earth elements. Some of the more common representatives include: Allanite, Ancylyte, Bastnasite, Bazzite, Betafite, Brannerite, Brockite, Cerianite, Cerite, Euxenite, Fergusonite, Fluocerite, Fluorite (Yttrian), Gadolinite, Monazite, Parisite, Pyrochlore, Polycrase, Samarskite, Synchysite, Xenotime, Yttrocolumbite, and Yttrotantalite.

We are asking whether collectors can loan us specimens of any of the above minerals, from which we will choose the dozen or so most impressive/aesthetic pieces (from as many collectors as possible) for display. Specimens should arrive in our Museum sometime before August 1st, so we can begin creating the exhibit. The loan paperwork is simple and the loan period will be for one year. This will be one of the

new displays we want to feature at our Annual Open House on September 14, from 6 P.M. - 9 P.M. Please phone me any questions or concerns.

Of course, all your club members are welcome to attend our Annual Open House. Come meet some of our Museum Advisory Council members, Student Aids, volunteers, members of the Friends of the Colorado School of Mines Museum, see our new acquisitions, our ever evolving collection, and our newest displays. Some of you might even enjoy a visit to our Gift Shop. We hope to see you then.

Cordially,
Bruce Geller, Director
CSM Geology Museum

31st Annual South Dakota Gem & Mineral Show!

Hosted by the WESTERN DAKOTA GEM AND MINERAL SOCIETY

Saturday, June 18, 9 a.m. - 6 p.m. and
Sunday, June 19, 10 a.m. - 4 p.m. at the

Pennington County Fairground Events Center
Campbell & Centre St
Rapid City, South Dakota

ADMISSION: \$3.00 adults; 12 and under free

Camping Spaces available: Contact the Fairground Office

FOR MORE INFO CALL:

605-484-3754

605-685-4847

605-431-5491

OR EMAIL: edtilley@msn.com



Editor's Note: Always consult an accountant, an attorney and a licensed realtor before investing in properties of this sort and assess all risks involved with this type of investment. The views and opinions expressed in the article below are based on the experience of the author, and in no way reflect the views of the CSMS. The CSMS neither condemns nor condones these types of investments.

The author's tax lien was foreclosed on by the County Treasurer after the author held the certificate and paid the taxes for three years. The Park County Treasurer posted this property to provide notice that a treasurer's deed was about to be issued. In this case, a deed was issued to the author just a few weeks later to this acreage.



County Tax Sale Certificates Add Adventure and Excitement to Investment Portfolios and Potentially Might Provide Your Own Acreage for Rock and Mineral Collecting

By Steven Wade Veatch

Colorado Tax Sale Property

IN COLORADO ALL REAL PROPERTY taxes must be collected each year in order to meet the budget obligations of all taxing authorities in each Colorado County. To meet this task, every County Treasurer in Colorado holds an annual "Tax Lien Sale" each fall to collect the unpaid real estate taxes ("Gunnison County Treasurer").

This is done at a public auction where investors pay the delinquent real estate taxes and obtain a tax lien certificate. This certificate creates a tax lien against the property, and if held for three years by the investor, can result in the transfer of the real property to the tax sale investor. By attending County tax sale auctions, the investor may end up with acreage that has Indian artifacts, collectible rocks and minerals, or just a nice place to come and have a picnic and one day build a cabin. Tax lien certificates are excellent investments and should be given serious consideration as part of an investment portfolio. As with any investment, tax sale certificates should be explored to see if they are a good investment for you.

It is important to realize that the property is not being sold at the tax lien sale auction—just the taxes. The amount of the individual tax lien purchased includes the tax, delinquent interest (through date of auction), advertising fees, and certificate fees.

Advertisement of Tax Liens for Sale

The list of tax liens available for purchase is advertised for three consecutive weeks prior to the sale in the legal section of the county newspaper. A list of the tax liens is also available from the local Treasurer's office. Before investing in tax liens, it is a good idea to get a map of the subdivisions located in the County

from the County Assessor or a local realtor. This map helps the investor obtain tax liens in more desirable areas of the county.

Registration

Investors must register before the tax sale and fill out a registration form and a W-9 with their social security number or tax identification number. The registration form must indicate the exact name in which the tax



Tax liens can be issued on mining claims, section land described by meets and bounds, and land inside a subdivision. Tax liens can also be on city lots, homes, buildings, and commercial real estate. This tax sale parcel has outcrops of chert and jasper. There is evidence of Indian occupation in the area, and a scattering of chert, jasper, and quartzite revealed arrowheads and other stone tools

certificate is to be issued and the mailing address of the investor.

The Bidding Process

The bidding process varies by county.

Some county treasurers might use a round robin process where buyers are offered the opportunity to purchase tax liens on homes, city lots, ranches, U.S. mineral patents (gold and silver mines), commercial real estate, and various sizes of acreage in rotation; or in

another county, the treasurer will allow an open auction where investors offer to pay the tax lien plus pay a premium for the right to pay those taxes. Any amount paid for property above the taxes due is known as a "premium" and goes directly to the county general fund. *Premiums are not part of the tax lien, do not collect interest, and are not returned to the buyer when and if the taxes are paid.*

Tax lien sale certificates earn interest at a rate of 9 points above the Federal Discount Rate as of September

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1st of the year of sale (“Colorado County Treasurers Association”). In 2010 tax certificates earned 10 percent interest. The bidding process, details, and important county tax sale information can be looked up on the Internet for each Colorado county. The dates set for the County tax sales can easily be



View from recent tax lien property that was transferred to an investor via a treasurer’s deed. To maximize your tax lien, be sure to pay each following year’s taxes. This is known as subtaxing or endorsing subsequent tax years on the tax lien certificate.

found at the Colorado County Treasurer’s Association’s website at this URL: http://www.e-ccta.org/CCTA/tax_sales.htm. Many counties provide coffee and a variety of pastries for tax sale investors, at some counties these treats are free, and at some counties they are sold to benefit a nonprofit group.

Payment After the Auction

Payment must be made immediately following the sale. Payment can be in the form of cash or a cashier’s check drawn on a Colorado bank. Some County Treasurers allow a personal check to be used. Successful bidders are issued a “Tax Lien Sale Certificate of Purchase” for each property that they were the successful bidder on. Originals are kept in the Treasurer’s office and a copy will be mailed to the investor in approximately two to four weeks after the sale.

After The Sale

Plat maps of properties can be obtained from the Assessor’s Office if the investor wants to investigate the tax lien property. Investing in tax lien certificates can bring the investor into areas of Colorado counties that the investor might not otherwise visit while locating tax sale properties. It is important to note that the tax lien certificate has no property rights. It is only a lien and does not allow the tax lien holder the right to go on the property. The investor can, however, drive to the property and look at it from the road.

If the owner of the real property does not pay the taxes the following year, the taxes become delinquent and the holder of tax lien certificates will be sent a notice in July or August, and will have first option to pay (purchase) the current year’s unpaid tax lien at that time. These subsequent taxes earn the same interest rate as the certificate rate and begin accruing interest upon receipt of the payment.

Redemption of Taxes

If the owner of the property redeems their tax lien, (i.e., pays their taxes), the tax lien investor will receive a check from the Treasurer’s office which will include the taxes, fees and interest that was purchased at the

sale, together with interest that has accrued from the day of the sale to the date of redemption. It is important to remember, the investor will not be refunded any premium bids that were paid. In January the investor will be sent an IRS form 1099 for any interest earned for the year that the tax lien certificate was redeemed.

Treasurer’s Deed

Three years after the date of the tax lien sale, the tax sale lien buyer may apply for a treasurer’s deed to the property if redemption of the lien is not received. The application process ranges from five to six months. If the delinquent taxes are not redeemed by the owner, the investor will receive, via certified mail, a treasurer’s deed to the property.

The author recently received a treasurer’s deed to 28 acres in Park County. In March he received a treasurer’s deed for five acres and in April another one for three acres. He has a tax lien on a gold mine near St. Elmo in Chaffee County that he has been paying taxes on for more than three years and can file for a treasurer’s deed. *Taking title to mining properties brings a unique set of potential problems to the investor and should be avoided unless the investor has mitigated all of the risks associated with owning a mine.*

Purchasing delinquent tax liens at sale is becoming an increasingly popular form of investment. The interest earned is an attractive return on the investment made in tax lien certificates. If the tax lien certificate is not redeemed by the property owner, the investor will receive a treasurer’s deed to the property. The investment can be thought of in terms of a potentially long range C.D. secured by real estate. This investment, unlike most, is fun. It can take you to new places you have never been, and if you are lucky, obtain a treasurer’s deed to Colorado land than might have interesting rocks, minerals, or fossils.

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Picks & Pans

Mary O—A Spirit of Love in the Cripple Creek Mining District

By Steven Wade Veatch



Mary O'Donnell loved Cripple Creek's children and taught them well. Her life was her students who loved her—this you can surely tell. She followed her students through each and every

grade, and knew the accomplishments all of them had made.

Mary O'Donnell loved everything about Cripple Creek.

She loved its historic goldfields in the shadow of Pikes Peak.

She loved its people even more, and was a friend to all. She treasured the Episcopal Church, and answered its call.

Mary loved Pikes Peak and its fossils, minerals, gems, and rocks.

Mary belonged to several rock clubs, and enjoyed the program talks.

She took great pleasure in the outdoors and going on club field trips, or simply cleaning the museum's minerals while making friendships.

I will always remember Mary O'Donnell—she is eternally Cripple Creek:

when I hear the whistle blow on the tourist train and hear the trestle creak;

when I see the aspen leaves quake on the rolling hills that are a bright yellow gold;

when I walk the trail in Poverty Gulch and feel the district's rich history unfold;

when I see the Anchoria Leeland's head frame on the distant hill;

when I watch the donkeys walking together in the evening air so still;

I will remember Mary O and feel that rush of times past, and really miss Mary O.

Cripple Creek is Mary's place—where she was loved by all, as we all know.

When I see the moon fade and the rising sun shine on Cripple Creek,

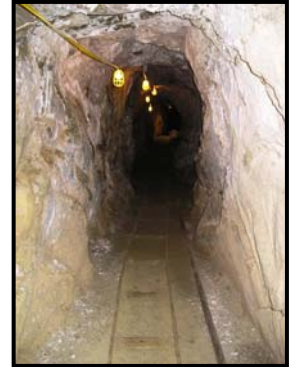
I see the town where Mary O lived, loved, and taught each week.

I will remember my friend, Mary O; her face forever a smile and aglow.

All of her students, and each one of us, will never forget, our Mary O.



Molly Kathleen mine, Cripple Creek, Colorado. Photographer Steven Veatch.



Underground drift in the Molly Kathleen mine, Cripple Creek, Colorado. Photographer Steven Veatch.

Mary Louise O'Donnell

(1947-2010) was a long-time member of the Colorado Springs Mineralogical Society and was instrumental in the founding of the Lake George Gem and Mineral Club. Mary worked on all three of the Lake George Gem and Mineral Club's study projects. The last study project she worked on was on the Greater Alma Mining District, and the expanded abstract she was a coauthor on was published posthumously in *New Mexico Geology*. Her hard work on the three study projects and her contributions to the community of Cripple Creek and the Pikes Peak region will be greatly missed.



Summer Geocaching Club for Kids



What is Geocaching?

Geocaching is a high-tech treasure hunting game played throughout the world by adventure seekers equipped with GPS devices. The basic idea is to locate hidden containers, called geocaches, outdoors and then share your experiences online. Geocaching is enjoyed by people from all age groups, with a strong sense of community and support for the outdoors. You can find more information at geocaching.com and geocachingcolo.com

Club Details:

Club will meet on Friday mornings at 10am at the designated location. Parent participation is required unless arrangements have been made.

June 24: Fox Run- pick a team name, learning about geocaching, find geocaches; **July 1:** Black Forest Regional Park- hide a team cache with a travelbug we can track online, find some geocaches; **July 8:** Woodmoor- multi caching with a local highschool geocacher as our guide; **July 15:** Res Rock Open Space Preserve- Earth caches; **July 22:** Mt Herman- puzzle cache, possibly virtual cache and benchmarks too;

July 28 (THURSDAY) Pulpit Rock Park- Caching at night with a local highschool geocacher as our guide. Club will meet at dark and not Friday morning;

August 5: no meeting; **August 12:** TBD- local park for some caching favorites; **August 19:** Fox Run- club "cache and dash" event, potluck

Contact Information and Requirements:

- Organized by a Kilmer Elementary Mom with help from local geocachers
- No experience necessary and you do not need to own your own GPS device
- Space is limited and sign ups for the entire 8 weeks is requested
- Hosted by Julie Shimon, geocaching.com name "thebobcats", julieshimon@yahoo.com

Editor's Note **Geocaching will get kids outdoors and they will learn about GPS technology. Steven Veatch, the CSMS Pebble Pup chair, has stressed in many of his classes the importance of taking a camera with you when you go on rock hunting adventures. Steven Veatch is requesting that all CSMS Pebble Pups/Juniors that go geocaching to take their camera and obtain good images of the landscape, rocks, rock outcrops, and other items of geologic interest. Steve requests that the pups bring the images on a flash drive during the first fall class or to email one or two to him**

(steven.veatch@gmail.com). These images will most likely be the start of a geologic investigation that the kids can start. Also, the CSMS Pups should invite their friends to join the Pebble Pups.

Earth Caching Around Colorado Springs:

Fossils and Geological Features Revealed

By Jack Shimon, CSMS Pebble Pup
(age 6, with help from mom Julie Shimon)

IN OCTOBER I WAS BURYING TIME CAPSULES IN FOX RUN PARK with my friends when we stumbled across a big ammo can filled with toys hidden by a bunch of logs. We wondered why it was there so my mom went online to a website that was listed on the log book (geocaching.com) and that was the first geocache we ever found. My mom took us back so we could sign the log and take a photo (there was a camera inside the ammo box for visitors to take photos). We've been geocaching ever since.

What exactly is geocaching? There is an organization called Geocaching Colorado (GCCO) and their definition of geocaching is "a high-tech treasure hunting game played throughout the world by adventure seekers equipped with GPS devices. The basic idea is to locate hidden containers, called geocaches, outdoors and then share your experiences online. Geocaching is enjoyed by people from all age groups, with a strong sense of community and support for the environment." ("Geocaching colorado," 2011) When we learned how many people enjoy geocaching, and kids too, we got right in on the action and so far we've logged over 300 geocaches.



Jack and Matthew at "Ammonite City" Earthcache. Note the beautiful ammonite fossils in the sandstone behind the two young adventurers.

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Geocaching is all about finding the hidden treasures in nature, but sometimes the treasures are pretty obvious and the object of the cache is to learn about and describe some natural event or natural site. This is called Earth caching and our area is full of these caches. I'm going to tell you about some of my favorites.

Only a few weeks after finding our first geocache my dad took me and my friend Matthew to Red Rock OSP to do an Earthcache called Ammonite City. (Me & Bucky, 2009)

Who would ever imagine we would find so many large ammonites here? Although they *were* hidden very well and the hike was *VERY* long to get to them. To log the cache we had to count and measure the ammonites. The section of the largest one we found was over 12 inches across. I also found ammonites in Texas last summer, so even though you wouldn't know it, both places used to be under water a very long time ago.



Measuring the partial ammonite that had the largest diameter

In January I did two Earthcaches. On a warm day my mom took me and my sister to Monument Rock earthcache which is at Mt Herman. (Buzz Lightyear I, 2010). We had a very nice hike in the snow and a lot of fun climbing on and playing around Monument Rock. Our first job to log the cache was to guess how tall the monument is. What do you think? My mom guessed 70 feet and I guessed over 100 feet. It was so hard to guess because it looks taller from different sides so we chose to guess the very tallest spot.

The next thing we had to guess was if the rock is taller or longer and how wide it was, also difficult questions since it was too big even for a tape measure! We ended up agreeing that rock is actually longer than it is



How tall do YOU think Monument Rock is?



Monument Rock in the background

tall. We decided that because we walked a LONG way around the whole thing. And I think it is only about 30 feet wide. Whatever the size though, it's well worth a visit and the short hike to see it, even if you aren't Earthcaching. Lastly, I had to decide if the town of Monument, or Monument Rock is older? Could you be an earthcacher? Let's find out, what do you think? The rock is older of course! At the end of January my "fossil Grandpa" came to visit from Texas. We had some really challenging Earthcaches we wanted to do at Garden of the Gods and saved them for his visit. I'm going to tell you about The Three Graces (Me & Bucky, 2008) because it was my favorite. This formation is made up of Fountain Arkose, which is the oldest type of rock found in Garden of the Gods. Arkoses have at least 25% feldspar which is what makes rock look sort of pink. (Me & Bucky, 2008) I had to measure the smallest and largest particles I could find, the width of a distinct layer in the formation and take a picture of me there. The smallest particle was actually microscopic, which is too small to even measure and the biggest one I found was 3 inches. The width of a distinct layer I could see was only 2.5 inches. After exploring here awhile and talking to Fossil Grandpa about the layers he got very excited. He showed me something I hadn't even noticed, called "slickensides." I had to include this in my cache log.



The Three Graces with Fossil Grandpa and my sister Jane.



I know all about fractures from Fossil Grandpa which is when there is a break in a rock. I actually like to explore giant fractures. But this was different, a "slickenside" occurs on a fault plane where rocks slide past

Jack pointing at the "slickensides"

Continued on Page 13

each other and make this striated area. It is hard to believe these rocks could even more, but there was the evidence in the Earthcache. You never know what you'll find or learn when you go exploring in nature.

Finally, I took some of my friends geocaching in Ute



Little Arch at Ute Valley Park.
The very top middle segment looks like a manmade arch keystone.



Ty and Jack measuring Little Arch

Valley Park and we stopped by a formation named "Little Arch" to do an Earthcache. (Achilles, 2002) You can probably tell why someone gave it the name.

This Earthcache was a lot of fun for us, all we had to figure out was how tall the arch was from the ground to the bottom of the arch. Since I could barely stand up under it we knew it was about as tall as me, or 42 inches, but first my friend Ty and I tried to measure it by stacking our fingers on top of each other and estimating inches. We got muddled pretty quickly though and that's when we decided to see what was taller—us or the arch.

Then we played and played and played, it was such a nice day. My mom was teaching us about the keystone in an arch, which is the most important part of any arch. Without the keystone, which is the top center block in a manmade arch, an arch would not be able to stand up. Look at the first photo of Little Arch, it looks like it has a keystone too. I have so much fun geocaching and Earthcaching. We always go on hikes and find treasures, solve puzzles to find caches, and we even found a spaceship cache and one attached to a deer skull. If you want to learn more about geocaching, visit geocaching.com or go to my mom's website thegeocachekids.com We are starting a kids' summer geocaching club because we enjoy it so much, maybe you want to join in too? (Shimon, 2011).

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Buzz Lightyear I, . (2010, February 24). *Monument rock*. Retrieved from http://www.geocaching.com/seek/cache_details.aspx?guid=9eaa1947-9a95-47cb-b724-f652b4560cd4

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Shimon, J. (2011). *The geocache kids*. Retrieved from <http://www.thegeocachekids.com/>

CSMS FIELD TRIPS

Oct. 15, 16-17, 2011—Yellow Cat/Cisco UT & Grand Junction Mineral Show Field Trip. Collecting will be done on Oct 17. Confirm with Marge Regel by Oct. 1, 2011, by calling 719.650.8148 or emailing at Marjory.regel@yahoo.com. More details are posted at csms.us.

We are also busily planning a number of Field Trips in conjunction with our June Shows. These Field Trips are part of the package offered to attendees of the Rocky Mountain Federation of Mineralogical Society Conference, so they will get first shot. If all of the slots are not filled by the assigned deadline, these Field Trips will be opened up to CSMS members.

We will be adding more Field Trips throughout the season so please check the website (csms.us) often for new opportunities. Also, if you wish to lead a Field Trip please contact Yam at YAMOFTHIEW-EST@gmail.com and share your thoughts so we can provide more opportunities for our fellow members to visit more sites.

We are looking for ideas and leaders for the 2011 Field Trip Season!



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WWW.ROCKBOXES.COM

LITHOGRAPHIE

WWW.LITHOGRAPHIE.ORG

[303-495-5521](tel:303-495-5521)

■ ■ ■

2011 SPRING SHOW TOUR

■ ■ ■

WEST COAST GEM, MINERAL AND FOS- SIL SHOW (NEW LOCATION)

<http://www.mzexpos.com/>

**HOLIDAY INN, ORANGE COUNTY AIRPORT (2726 S. GRAND AVE.)
— BALLROOM**

SANTA ANA, CA

MAY 20-22

■ ■ ■

WE'LL LOOK FORWARD TO SEEING YOU AT ONE OF THESE SHOWS. PLEASE FEEL FREE TO BRING A FRIEND AND SPREAD THE WORD.

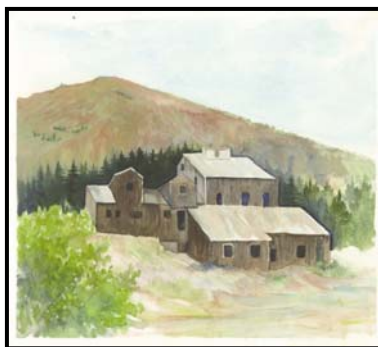
Cripple Creek Parks and Recreation Department Earth Science Field Classes

All of the classes are outdoor-based adventure type classes designed for people of all ages and interest levels, led by Steven W. Veatch. These field classes do carry Colorado School of Mines credit for a small fee, but that is entirely optional. The fees have been kept very low due to the poor economy.

These classes are for **everyone** interested in rocks, minerals, fossils, and geology. For teachers or others needing college credit, each field class carries 0.50 semester hours of Colorado School of Mines graduate level credit. If you desire college credit, you may register with the instructor during the start of the class and pay a small Colorado School of Mines tuition fee. If you don't need the college credit, come and spend a fun day out in the field. Register today with the Cripple Creek Parks and Recreation Department (719/689-3514) as these classes are very popular and fill up fast.

Field Studies in Geology: The Greater Alma Mining District (K-12)

Credit 0.50 semester credit hours



Date July 10

Time: 8:00am-5:45pm

Instructor: Steven Veatch

Tuition Fee: (payable during workshop for Colorado School of Mines credit—entirely optional): \$ 35.00.
Registration Fee (payable to Cripple Creek Parks and Recreation Dept., can pay by VISA via phone): \$ 49.00.

Registration Contact: Crip-

ple Creek Parks and Recreation, 719/689-3514. Registration fee includes field guide and snacks.

Explore the history of the Greater Alma mining district -- how it accelerated the settlement of the West, and the contributions the district made to the economic growth of Colorado. Life in frontier mining camps, early prospecting methods, and lode mining adapted to high elevations will be presented. Area geology will be reviewed, including recent mineral exploration and production. Transportation from Cripple Creek to Alma and a field guide will be included.

Field Studies in Geology: Garden of the Gods (K-12)

Credit 0.50 semester credit hours

Location Cripple Creek Parks and Recreation Dept., Garden of the Gods



Date August 20

Time: 7:30am-6:30pm

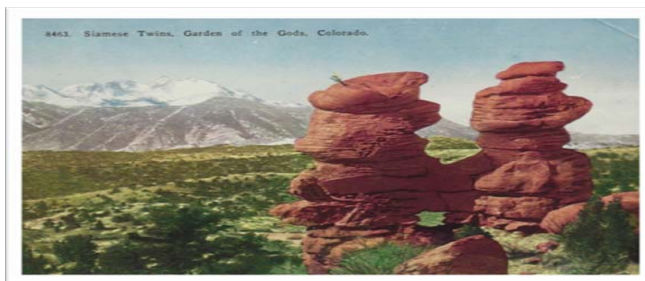
Instructors: Steven Veatch, Lucy Bell

Tuition Fee: (payable during workshop for Colorado School of Mines credit—entirely optional): \$ 35.00

Registration Fee (payable to Cripple Creek Parks and Rec, can pay by VISA via phone, 719/689-3514.): \$ 25; cost of movie at the Garden of the Gods is \$5. Registration fee includes field guide and snacks.

Bus will pick up participants in Cripple Creek, Divide, Woodland Park. Those who are not coming from Teller County can meet the class at the Garden of the Gods visitor center. The Cripple Creek Park and Recreation bus will provide convenient transportation to all of the sites in the park and take us to a very special place to view "injectites"—rocks formed from violent earthquakes. This is the only place in the world where "injectites" (sandstone injected into Pikes Peak Granite) occur.

This field trip focuses of the rocks at Garden of the Gods. We will start on the west side of Manitou Springs where we will look at the oldest rocks in the Pikes Peak region and then explore the magnificent rocks of the Garden of the Gods (the Fountain Formation and the Lyons Sandstone). The park's geologic history includes Colorado's "disappearing" mountain range, evidence of ancient oceans and deserts, dinosaur bones, and the uplift of the modern-day Rocky Mountains.



Field Studies in Paleontology: Dinosaur Ridge Paleoeology (K-12)

Credit 0.50 semester credit hours **Field Studies in Geology:**

Garden of the Gods (K-12)

Credit 0.50 semester credit hours

Location Cripple Creek Parks and Recreation Dept., Garden of the Gods

Location Trip begins and ends in Cripple Creek

Date October 1

Time 6:15am-5:45pm

Instructor Steven Veatch, Gregory Kats, Beth Simmons

Tuition Fee (payable during workshop for Colorado School of Mines credit—entirely optional): \$ 35.00

Registration Fee (includes transportation, lunch, and resource CD) : \$ 53.00

Registration Contact: Cripple Creek Parks and Recreation, 719/689-3514

Paleoeology relies on the use of fossils to study relationships among organisms and environments of the past. Paleontologists interpret clues to reconstruct not only what extinct animals and plants looked like but also when and where they lived and under what environmental conditions. The focus will be on the late Jurassic and Cretaceous ecology of Dinosaur Ridge and the dinosaur tracks preserved there. In the afternoon we will visit the Colorado School of Mines Museum.

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INSTRUCTOR BIOGRAPHIES:

Steven Wade Veatchis is a geoscientist and an adjunct professor of Earth Science at Emporia State University in Kansas where he received an MS in Earth Science. He has an MA from Webster University, St. Louis, MO. Steve is from a pioneering mining family from Cripple Creek. He lives near the Florissant Fossil Beds in Colorado.

Beth Simmons, PhD, is an instructor at Metro State College in Denver where she teaches geology. Beth has authored and contributed to a number of books and has made countless presentations on history and geology across Colorado. Beth has made major contributions to our understanding of the Florissant Fossil Beds National Monument and Dinosaur Ridge.

Lucy Bell is a retired teacher and writing consultant. Lucy is a naturalist at Cheyenne Mountain State Park and a certified guide (National Association for Interpretation). Lucy Bell lives in Colorado Springs.

Gregory Kats is an interpretive ranger with Dinosaur Ridge. He volunteers working with youth and getting the outdoors. He holds a B.S. in outdoor recreation. Greg lives in downtown Denver.



WMMI HAPPENINGS

225 Northgate Blvd.

Colorado Springs, CO 80921

Main: 719.488.0880/Toll Free:

800.752.6558

info@wmmi.org

Hours: 9 a.m.-5 p.m., Monday-Saturday (June-August)

9 a.m.-4 p.m., Monday-Saturday (September-May)

Daily Guided tours at 10 a.m. and 1 p.m. (included in admission).

The Western Museum of Mining and Industry is a private, nonprofit museum founded in 1970. We educate over 8,000 school children a year on the importance of mining in the American West.

Farmers' Market: Open every Monday and Wednesday through October. Fresh vegetables from local Pueblo farms, breads, meats and more. Look for vendors in front of the red house. Guests visiting the museum get the opportunity to see operable steam engines, learn how to gold pan, see a recreated mine drift, play with hands-on exhibits, and catch a glimpse of the pioneer lifestyle. There are over 27 acres to explore at the Museum, with picnic grounds and two very adorable burros. For farmers' market times, contact the museum at [\(719\) 488-0880](tel:7194880880).

Picnic-n-Planes! Wed., May 25, Gates open at 9:00 a.m., Thunderbirds fly around 12:30 p.m. Come to the Western Museum of Mining & Industry to watch the Thunderbirds fly for the AFA graduation. Bring and enjoy a picnic lunch by our spring fed ponds and flowering meadow as you experience the mighty Thunderbirds soar right over the top of you! Suggested parking donation \$5. Don't forget to tour the museum for a whole day of fun. Museum tours begin at 10:00 a.m. & 1:00 p.m. We are located at I-25 Exit 156A directly across from the AFA. Visit our website at www.wmmi.org or call [719-488-0880](tel:7194880880) for more information.

Rock Fair: Friday, Saturday & Sunday, June 24-26

Friday & Saturday: 9-4, Sunday: 9-3

Admission: \$5.00 Adults and \$2.00 Children

Join us for the third annual Rock Fair at the museum. Due to popular demand this event has been extended to three full days. Come see vendor displays, demonstrations, rock-talks, and much more. This is the only time of year we run the Yellow Jacket Stamp Mill - a sight to see in itself! Don't miss this family friendly event with activities for all ages. Please visit us at www.wmmi.org or call [719-488-0880](tel:7194880880) for more information. Sponsored by Colorado Springs Mineralogical Society.



THINGS TO DO FROM CSMS

MEMBER PETE MODRESKI

A list of earth science programs and activities open to the public taking place throughout the spring and summer in the Denver area. There are a lot of events, including a number of mineral shows and mineral club silent auctions; I've tried hard to include everything and to get all the information correct. I'll hope to see you at some of these!

A last P.S., just "FYI", have you seen this video about a 100-ounce gold nugget recently found in California?

http://geology.com/news/2011/giant-gold-nugget-the-100-ounce-washington-nugget.shtml?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A+Geologycom+%28Geology.com%29

CoCoRaHS, Community Collaborative Rain, Hail & Snow Network: all year; <http://www.cocorahs.org/>

"CoCoRaHS is a unique, non-profit, community-based network of volunteers of all ages and backgrounds working together to measure and map precipitation (rain, hail and snow). By using low-cost measurement tools, stressing training and education, and utilizing an interactive Web-site, our aim is to provide the highest quality data for natural resource, education and research applications. It's easy to join, takes only five minutes a day and is a fun way to learn about this wonderful natural resource that falls from the sky. We are striving to have 30,000-40,000 active observers by the end of 2013. COCORAHs is now in all 50 states (as well as the District of Columbia)!" Participants must register and order a high-capacity (4" diameter) rain gauge, which they will read and submit data from at approximately 7 a.m. each day. The CoCoRaHS web-site is a great source for daily measurements of local rainfall and snowfall in each community within your state or around the country; anyone can log in and access the daily data. [Let me put in an extra plug for this project; I participate, and it's a GREAT community effort! Please also check out their 2011 Rain Gauge Calendars—you can help the project by ordering one.]

Colorado RiverWatch: all year <http://wildlife.state.co.us/landwater/riverwatch/>

A program that, "...started with six schools on the Yampa and grew to cover all watersheds in Colorado and 350 schools. Since 1989 we have involved over 60,000 individuals in Colorado, provided data on 3,000 stations covering over 300 rivers. We have also grown to include individuals, watershed groups and other entities, besides schools, in our program. River Watch is a statewide volunteer water quality-monitoring program operated by the non profit 501©3 Colorado Watershed Assembly in cooperation with the Colorado Division of Wildlife (CDOW). Our

Continued on Page 18

mission is to work with voluntary stewards to monitor water quality and other indicators of watershed health and utilize this high quality data to educate citizens and inform decision makers about the condition of Colorado's waters. Volunteers agree to monitor on a monthly basis. Samples are collected which the volunteers analyze for hardness, alkalinity, dissolved oxygen, pH and temperature. Additional samples are collected to be analyzed for total and dissolved metals..." Volunteers must register, receive training and equipment, and agree to conduct regular water monitoring in a selected local stream. All the data collected and archived are publicly accessible via their website.

Project BudBurst: springtime (and fall too); <http://neoninc.org/budburst/>

Anyone can participate. Familiarize yourself with certain native plants from a list of those growing in your geographic area, then observe and report dates you observe for first leafing or flowering of these plants.

"Project BudBurst has targeted 97 native trees, shrubs, wildflowers, and grasses for you to monitor throughout the year! With your help, we will be compiling valuable environmental information that can be compared to historical records. By recording the timing of the leafing and flowering of native species each year, scientists can learn about the prevailing climatic characteristics in a region over time."

As before, please write back to me if you do not wish to receive these emails.

June

Fri.-Sun., June 24-26, Rock Fair and Pikes Peak Gem and Mineral Show, at the Western Museum of Mining & Industry and at the Best Western Academy Hotel, 225 North Gate Blvd. (I-25 Exit 156A) and 8110 North Academy Blvd. (I-25 Exit 150), Colorado Springs, CO. Sponsored by the Colorado Springs Mineralogical Society and the Rocky Mountain Federation of Mineralogical Societies. For more info see <http://www.csms.us/>

August

Thurs.-Sun., Aug. 11-14, "Contin-Tail Rock Show", Buena Vista Rodeo Grounds, Buena Vista, CO; a fun outdoor annual event; free admission. See www.coloradorocks.org or www.ct-coloradorocks.blogspot.com.

Fri.-Sun., Aug. 19-21, Lake George Gem and Mineral Show, Lake George, Park Co., CO; sponsored by the Lake George Gem & Mineral Club; free admission, free parking; for more info see <http://www.lggmclub.org/>

September

Sat., Sep. 10, Symposium on Minerals of Russia, co-sponsored by Friends of Mineralogy Colorado Chapter, Colorado School of Mines Geology Museum, and Denver Gem and Mineral Show; to be held in Petroleum Hall, Green Center, Colorado School of Mines campus, Golden, CO. For more info contact Pete Modreski, pmodreski@usgs.gov, or see <http://friendsofmineralogycolorado.org/>

Wed., Sept. 14, CSM Geology Museum Annual Open House, Reception, and Silent Auction held during the week of the Denver Gem and Mineral Show; 6 to 9 p.m. at the Colorado School of Mines Geology Museum, 13th and Maple Streets, Golden. All are invited!

Sep 14-18, Colorado Mineral and Fossil Show, Holiday Inn - Denver Central, 4849 Bannock St.; free parking and admission, many mineral dealers; see http://www.mzexpos.com/colorado_fall.htm Many of the dealers will be open as early as Sept. 10. This and several other "satellite shows" take place during the week of the Denver Gem and Mineral Show.

Sep. 14-18, Denver Coliseum Show; another "satellite" show of dealers in "minerals, fossils, dinosaurs, gems, jewelry, gold, meteorites"; free admission and parking; 9 a.m. to 6 p.m. daily; 1900 44th Street, Denver CO 80216; from I-70, exit 275B at Brighton Blvd; outside tents open Sept. 10-18, tents and Coliseum open Sept. 14-18; see <http://coliseumshow.com/>

Fri.-Sun., Sep. 16-18, Denver Gem and Mineral Show, Denver Merchandise Mart, I-25 at 58th Ave., Denver CO; featured theme, Minerals of Russia. The second-largest gem and mineral show in the U.S. Combined with the Colorado Fossil Expo in the same building complex; a wholesale-only jewelry trade show also takes place there. Dealers, museum displays, lectures, club exhibits, and gold panning; public welcome (admission charge); free parking. See <http://www.denvermineralshow.com/>



ASK A GEOLOGIST

BY MIKE NELSON, CSMS



Alex from Wyoming writes: *I read your recent article in the RMFMS Newsletter [April at www.rmfmts.org] concerning mineral and fossil collecting on BLM lands. Do you believe that the new Wild Lands designation will really affect where we collect?*

Alex, that is a very timely question and I will attempt to provide, to the best of my abilities, a correct answer. I say "correct", since my article in the *Newsletter* now seems out-of-date and is partially incorrect! I had tried to make several points in the article; 1) the BLM manages a wide variety of federal lands in western states; 2) several BLM-managed lands have special designations, such as Wilderness Area; 3) the passage of Omnibus Public Land Management Act (OPLMA) of 2009, Public Law 111-011 and its subsection P.L. 111-011, Title VI, Subtitle D on Paleontological Resources Preservation (PRP) would seem to allow for mineral and fossil collecting on many parcels of BLM-managed land; 4) collecting rules seem confusing among different BLM districts; 5) there is now a new BLM player in the game since on 22 December 2010 Secretary of the Interior Ken Salazar (the BLM is part of Interior) issued ORDER NO. 3310 entitled ***Protecting Wilderness Characteristics on Lands Managed by the Bureau of Land Management***. This order "directs the Bureau of Land Management (BLM), based on the input of the public and local communities through its existing land management planning process, to designate appropriate areas with wilderness characteristics under its jurisdiction as **Wild Lands and to manage them to protect their wilderness values.**" In addition, "the Order affirms that the protection of the wilderness characteristics of public lands is a high priority for the Bureau and it directs the agency to protect wilderness characteristics through land use planning and project-level decisions"; and 6) the rockhounding community would need to monitor, very closely, any designation of Wild Lands to make certain that such lands remain open for collecting of minerals, rocks, and common invertebrate and plant fossils.

It now appears that the newly approved 2011 budget for the federal government (the one making all of the news lately slashing 38 billion in spending through the remainder of the fiscal year) has brought on some surprises. Of interest to rockhounds, and a wide variety of other folks, is the apparent fact that the approved budget stripped all funding for the Department of Interior's plan to inventory and designate Wild Lands. A release from the BLM noted that information on Wild Lands is found on page 304 of the 459 page spending bill—the Wild Lands proposal mirrors language from the continuing resolution that the House passed in Feb-

ruary but was excluded from the Senate's proposed short-term funding bill.

The *Washington Times* in a © April 13 byline states: "the biggest losers in the federal budget deal may have been environmentalists, who suffered setbacks not only with cuts to the [Environmental Protection Agency](#) budget but also with the shellacking of two of the movement's pet programs. The Continuing Resolution includes a provision that prohibits funding for the so-called "wild lands" policy, an [Obama administration](#) initiative that allows the [Interior Department](#) to confer special protections on federal lands without congressional approval." The second rejected project was related to removing the gray wolf in the northern Rocky Mountains from the Endangered Species list.

The *Environment News Service* in a © April 12 article states "the continuing resolution [FY 11 budget] also includes a provision that bars the Interior Department from spending any money on implementing the Obama administration's Wild Lands policy, announced in December. The resolution would prohibit funds from being spent to implement, administer, or enforce Interior Secretary Ken Salazar's order to designate new federal areas as wild lands."

But, this lack of funding may be temporary and only relates to the 2011 FY budget as the entire area must be renegotiated for the FY 12 budget. Rep. Rob Bishop (R-Utah), chairman of the House National Parks, Forests and Public Lands Subcommittee, and a chief critic of the Wild

Lands plan, is focused on making certain the policy does not receive funding in Interior's fiscal 2012 budget. Rep Bishop seems to represent other Republican leaders in the U. S. House as they argue that Order No. 3310 would allow the federal government to "lock up" lands essential to oil and gas development, grazing, off-highway vehicles and other uses ([including collecting?]).

Senator Lisa Murkowski (R-AK) the ranking Republican on the Senate Interior and Environment Appropriations Subcommittee, was quoted in the *Environment News Service* article (© April 13, 2011) that "she backs the budget resolution's provision [since only] Congress has sole authority to create new wilderness areas. Any attempt to try an end run around Congress will get a predictable response. Moving forward, I would encourage the Interior Department to work not around, but with Congress."

On the other hand, numerous Democrats and conservationists believe that the Order No. 3310 is well within BLM's statutory authority under a landmark public lands law passed in the 1970s. Richard Peterson-Cremer, legislative director of the Southern Utah Wilderness Alliance, called the provision, "a stunning show of disrespect for the last remaining magnificent wild lands in Utah and throughout the West." (© April 13, 2011, *Environment News Service*).

For their part, the BLM had promised that Wild Lands

designations would be made judiciously and with input from the public. The agency also noted that Wild Lands are temporary designations and *could* allow non-wilderness activities including fence building, limited motorized vehicle use and mountain biking [mineral collecting?] if they would not impair wilderness qualities.

This article is not intended as a political statement either supporting or condemning the recent congressional/presidential action. It is simply an attempt to convey information about collecting rocks, minerals and fossils on BLM-managed lands. I encourage readers to further investigate collecting on BLM lands by examining the RMFMS April 2001 *Newsletter*.

So Alex, the 2011 budget bill passed both the U. S. House of Representatives and Senate, and was signed into law by President Obama. Therefore, it is my opinion that no BLM-managed lands will be designated as Wild Lands during FY 11 (ends September 30, 2011). All bets are off for FY 12!

Truth is more of a stranger than fiction. Mark Twain



2011 CSMS Officers & Chairpersons

Roger Pittman, President

Kay Thompson, Vice President

Joni Peterman, Secretary

Ann Proctor, Treasurer

Teri Stoiber, Editor

Ann Proctor, Editor

Roni Poteat, Membership Secretary

Sharon Holte, Member-at-Large

Al Zelenak, Member-at-Large

Ron Yamiolkoski, Past President

Ron Yamiolkoski, Annual Show Chairperson

Ron Yamiolkoski, Field Trip Director

Ron Yamiolkoski, Science Fair Chair

Brenda Hawley, Historian

Frank & Ellie Rosenberg, Librarians

Camera Club Chair is Vacant

Maria Weisser, Social Committee Chair

Ann Proctor, Store Keeper

Kerry Burroughs, Crystal Studies Group

Paul Berry, Faceting Group

Mike Nelson, Fossil Group

Bill Arnson, Jewelry Group

Sharon Holte, Lapidary Group

Steven Veatch, Juniors & Pebble Pups

Dave Olsen, Micromount Group

Brian Paterson, Webmaster

Sharon Holte, Webmaster

Allen Tyson, Webmaster

To contact an officer or chairperson, go to csms.us, click on Board Members, and, if their name is underlined, click on it.

Sub-Group Responsibilities for Refreshments for General Assembly Meetings

Feb.—Crystal Mar.—Faceting Apr.—Fossil

May—Jewelry June—Lapidary July—Micromounts

Aug.—Picnic Sept.—Projects Oct.—Board

May 2011 CSMS Calendar

Tues., **May 3**—*Fossil Group*, 7 p.m., Senior Center. Mike Nelson, Leader, csrockguy@yahoo.com

Tues., **May 10**—*Micromounts*, 7 p.m., Senior Center. Dave Olsen, Leader, 719.495.8720

Thurs., **May 19**—*General Assembly*, 7:30 p.m., Senior Center.

5:20 p.m. Pebble Pups; 6:30 p.m. Juniors. Steven Veatch, Leader, 719.748.5010

Thurs., **May 26**—*Crystal Group*, 7 p.m., Senior Center. Kerry Burroughs, Leader, 719.634.4576

Faceting Group, 7 p.m., Senior Center. Paul Berry, Leader, 719.578.5466

Project Group—**TBD**—contact Ron “Yam” Yamiolkoski, yamofthewest@gmail.com

The Senior Center is located at 1514 North Hancock in Colorado Springs.

Thurs., **May 5**—*Board Meeting*, 7 p.m., Senior Center.

Sat., **May 14**—*Lapidary* is cancelled until Sept. If you would like to cut stones, call Sharon Holte at 217.5683 for an appointment.

Sat., **May 21**, *Jewelry Group*, Noon, 15610 Alta Plaza Cir., Peyton. Bill Arnsen, Leader, 719.749.2328

Camera Club is looking for a leader and meeting place, date and time. Interested? Contact Roger Pittman.

For more information on any of the sub-groups, meetings, and other CSMS valuable information, go to our website, csms.us

Tour Victor's Ajax Mine May 28

High above Victor, the giant metal head frame of the Ajax Mine glimmers golden in the evening light, a landmark for gold mining and testimony to the wealth that made its owners proud. The mine has been dormant for 30 years but the legend of the Ajax lives on as one of the largest gold producers of the Cripple Creek & Victor Mining District.

A special tour of the Ajax Mine surface structures, including the giant metal head frame and its hoist house, will be held Saturday, May 28, Sponsored by the Southern Teller County Focus Group (STCFG) and Cripple Creek & Victor Gold Mining Company (CCV). The tour begins at 9:30 a.m. at the Victor Lowell Thomas Museum and will be led by former Ajax miner and Victor resident Gary Horton.

Horton worked in the Ajax during its 1980's production years. Historian Ed Hunter will also be on hand. The cost of the tour (donated to the STCFG) is \$10 per person.

Make reservations at VictorColorado.com/stcfgnews.htm or by email to stcfg@victorcolorado.com.



Picture courtesy of the Victor Lowell Thomas Museum

Payment (cash only, no credit cards are accepted) will be collected at the museum the day of the tour). Meet at the Victor Lowell Thomas Museum at Third & Victor Avenue at 9:30 a.m. Since this tour is on CCV mine property, all tour participants must view a mine safety video and will be required to wear hard hats and safety glasses (furnished by CCV) for the tour. There will be a shuttle to the mine; limited seating is available and some carpooling will be required. If you are not comfortable driving on small mountain roads, please reserve early for the van ride. This mine is located on CC&V privately owned property - do not miss this exclusive opportunity to visit the Ajax Mine and catch breath taking views of Victor and the mountains to the southwest. Dress warmly for spring weather and bring sunscreen, hat and footwear suitable for walking over gravel and rocks.

The Ajax Mining Company shipped granite honeycombed with gold telluride beginning in 1895 and was owned in 1903 by famed entrepreneurs Charles Tutt, Spencer Penrose, Charlie MacNeill, Clarence Hamlin and Oliver



Continued on Page 22

Shoup. In 1947, after changing ownership several times and being combined with other claims, the Ajax was the seventh largest gold producing mine in the United States. The steel head frame was erected in 1959 and came to Victor from the Pikes Peak Coal Company in Colorado Springs. Operations ceased in 1961. The last operations in the underground mine were conducted in the early 1980s at the depth of 3,350 feet below the surface.

The Ajax Mine tour event is held during Colorado Historic Preservation Month and is the seventh annual historic mine tour the STCFG has sponsored as part of the month-long event held every year to focus on Colorado history. For information, visit VictorColorado.com.

FRIENDS OF THE FLORISSANT FOSSIL BEDS: SUMMER SEMINAR SERIES 2011

This is the 17th summer that the Friends of the Florissant Fossil Beds have offered seminars for the general public. Continuing Education credits (CE) through BOCES and undergraduate and graduate credit are available through Adams State College. If you are interested in any of the seminars listed below, please call the Florissant Fossil Beds NM at (719) 748-3253 and ask for Seminars ext. 109. Registrations will be taken anytime after April 15. Discounts are available for members of the Friends and teachers. We look forward to seeing you this summer at one or many of our seminars. A more complete description of each seminar will be available on the Friends' website www.fossilbeds.org after **April 15** or at this website: <http://www.nps.gov/flfo/forteachers/seminar-series.htm>. **Seminars related to geology or fossils are in BOLD.**

2011 SEMINARS:

1. Saturday, May 7, 2011, "Choices for Sustainable Living and Learning to Grow Your Own Food" Larry Stebbins, Director of Pikes Peak Urban Gardens, 9 AM to 5 PM at Harlan Wolf Ranch in Colorado Springs.
2. Saturday, June 18, 2011 - "Historical Ranch Sites of the Sanborn Western Camps," Jerry McLain, Director of Alumni Relations, Colorado Outdoor Education Center, 9 AM to 5 PM, Sanborn Western Camps, Florissant, CO.
3. Friday, July 8, 2011, "Natural History and Ecology of the Flammulated Owl," Dr. Brian Linkhart, Biology Department of Colorado College, *5 PM to 2 AM, Manitou Experimental Forest, Woodland Park, CO.
4. Monday and Tuesday, July 11th and 12th, 2011, Day 1 - "Wildflowers of the Central Rockies," and Day 2 - "Blowing in the Wind: Knowing Your Grasses." Doug Coleman, Director, Wintergreen Nature Foundation,

Wintergreen, Virginia. 9 AM to 5 PM, Florissant Fossil Beds NM, Florissant

5. **Saturday, July 16, 2011, "Exploring the Basement: Learning to See What Isn't There" Reinhold Wobus, Geology Department of Williams College, MA. 9 AM to 5 PM, Florissant Fossil Beds NM**

6. Tuesday, July 19, 2011, "Easy Print Making - Indoors or Out,"- Toni Ratzlaff, Art teacher, Woodland Park Schools, 9 AM to 5 PM, Florissant Fossil Beds NM

7. **Saturday, July 30, 2011m "Discovering Colorado's Ice Age Environments"- Steven Veatch, Vice-President of the Friends, 9 AM to 5 PM, Florissant Fossil Beds NM**

8. **Wednesday and Thursday, August 3rd and 4th, 2011, "Geologist as Detective" - Part 1 and 2, (can be done separately but 2 can't be done without taking 1)- Dr. Bob Carnein, retired Geology professor, 9 AM to 5 PM, Florissant Fossil Beds NM**

9. Tuesday, August 9, 2011, "Teaching Renewable Energy, Tools for K-12 Teachers and Parents." - Chris Tholl, Director of High Trails Outdoor Education Center, Florissant, CO 9 AM to 5 PM - Sanborn Western Camps, Florissant, CO



COLORADO SPRINGS MINERALOGICAL SOCIETY
“Colorado’s Mining Heritage”
Rocky Mountain Federation of Mineralogical Societies Convention
Academy Hotel
8110 N Academy Blvd.
Colorado Springs CO 80920
June 24-25-26, 2011

ADVANCE REGISTRATION FORM

(Please print or type)

NAME(S) _____ PHONE _____

ADDRESS: _____

NAME OF CLUB/SOCIETY _____

Check all that apply:

FEDERATION: AFMS___ RMFMS___ SCFMS___ CFMS___ NFMS___ MWF___ EFMS___

OFFICE: Officer___ Chairman___ Delegate___ Alternate___

Editor___ Exhibitor___ Judge___ Clerk___

Other___

ADMISSION FEES: (Children under 12 admitted free)

One Day \$ 5.00 #___ Total \$ _____

Three Day \$15.00 #___ Total \$ _____

* BREAKFAST with the EDITORS \$25.00 #___ Total \$ _____

FEDERATION BANQUET \$41.00 #___ Total \$ _____

Headquarters Hotel is the
Academy Best Western.

Total Amount Due: \$ _____

Deadline for advanced registration will be May 24, 2011. Remittance must accompany registration form.
Make all checks payable to: **Colorado Springs Mineralogical Society**

Return to:	Attn: Editors Bring your ideas or questions for a brief discussion period at the end of the Breakfast.
CSMS	
Kaye Thompson	
1830 Mesita Ct.	
Colorado Springs, CO 80906	

FORM MAY BE REPRODUCED—MAKE COPIES AS NECESSARY

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“Colorado’s Mining Heritage”
Rocky Mountain Federation of Mineralogical Societies Convention
Academy Hotel
8110 N Academy Blvd.
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June 24-25-26, 2011

Junior Cash Award Entry Form

This completed entry form **MUST** be *signed, dated and received* by the opening day of the show. Send the entry form and specimen with anyone attending the show. We will have special display space waiting for you.

Name:

Age:

Name of Club:

Exhibit space required

Example: If the specimen is mounted on a piece of plastic that is 4 x 5 inches and the label is 2 X 4 inches then the footprint of the exhibit will be 6 x 5 inches. The Junior Chairman will know that this exhibit plus margins will require somewhere around 10 x 9 inches and will arrange the exhibits in cases for the best fit.

Certification: I certify that I collected and preformed all work on this specimen and that I am a member of a RMFMS club

Signature:

Please complete all information on this sheet pertaining to your Exhibit.

**Mail to: Kaye Thompson, 1830 Mesita Court,
Colorado Springs, CO 80906
(719) 636-2978**

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Colorado Springs CO 80920
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REQUEST FOR COMPETITIVE DISPLAY SPACE

NAME:	SOCIETY:		
ADDRESS:			
City:	State:	Zip:	
E-MAIL			

Exhibitors are urged to bring their own cases. A limited number of club cases are available upon request. Exhibitors using club cases will need to furnish any risers, linings, extension cords or accessories as needed. **EACH CASE WILL BE LIMITED TO 150 WATTS.**

COMPETITIVE EXHIBIT

I will bring my own case. <input type="radio"/> YES <input type="radio"/> NO				Case Length:		
I will need a case* <input type="radio"/> YES <input type="radio"/> NO				Approximate Case Length:		
Exhibitor Group	MASTER	ADVANCED	NOVICE	JUNIOR	SOCIETY	JUNIOR SOCIETY
DIVISION				CLASS		
*CSMS cases are 36" X 24" outside measurements. Cases will be set up on tables 30" high. Bring your own risers if needed.						

Set up is Thursday, June 23, 9 a.m. - 9 p.m. and Friday, June 24, 8 a.m. - 9 p.m.

I have read the current AFMA Uniform Rules and agree to abide by them. I agree to leave my exhibit on display until the show closes on Sunday June 26, 4:00pm.

Signature of Competitive Exhibitor _____
If Junior Entry, Date of Birth _____

I hereby certify as an officer of the above named Society, that this exhibitor is a member in good standing. To the best of my knowledge he/she is eligible to exhibit in the stated classification according to the rules.

Signature of Society Officer.

SIGNATURE OF AN OFFICER OF YOUR RMFMS MEMBER HOME CLUB

With the signing of this request it is mutually agreed that the Colorado Springs Mineralogical Society, the Rocky Mountain Federation and The Academy Hotel shall not be liable to any exhibitor for damage, loss or destruction of any exhibit or injury to his person for any cause and all claims for injury are expressly waived by the exhibitor.

DEADLINE: May 24, 2011 RETURN TO: Kaye Thompson 719-636-2978
1830 Mesita Ct.
Colorado Springs, CO 80906

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<p style="text-align: center;">Example: If the specimen is mounted on a piece of plastic that is 4 x 5 inches and the label is 2 X 4 inches then the footprint of the exhibit will be 6 x 5 inches. The Junior Chairman will know that this exhibit plus margins will require somewhere around 10 x 9 inches and will arrange the exhibits in cases for the best fit.</p>	

<p style="text-align: center;">Certification: I certify that I collected and preformed all work on this specimen and that I am a member of a RMFMS club</p>
Signature:

<p>Please complete all information on this sheet pertaining to your Exhibit.</p> <p style="text-align: center;">Mail to: Kaye Thompson, 1830 Mesita Court, Colorado Springs, CO 80906 (719) 636-2978</p>
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FORM MAY BE REPRODUCED—MAKE COPIES AS NECESSARY

PRESIDENT'S CORNER

by Roger Pittman, CSMS

WOW! It's already May and the collecting season is upon us. As I sat on the floor of my garage yesterday packing my wheel and spindle bearings, I was thinking about past years' collecting misadventures. I thought that instead of reminding you that **we need tons of help** on our upcoming show I'd talk with you about safety.



First, I'd like to thank Barbara & Bob Landgraf and Kaye & Jack Thompson for dragging all our display cases out of the trailer and cleaning and fixing them up and then putting them back in the trailer.

I have had (or heard about) many instances that could have turned into life threatening circumstances; i.e. a broken axle, broken drive shaft, multiple flat tires, broken transfer case, heart attack, stroke and on and on.

When collecting alone or in a small group you should always tell someone where you are going and when you expect to come back. This allows search and rescue to have a start point if they need to come and find you. Be prepared! Take water, food & medications with you for several days. Blankets or a sleeping bag would come in real handy if you had to spend the night. Something to start a fire! I carry matches in a water-proof case; this needs to be changed out at least yearly. Most of us don't really need much food; a handful of granola bars will stave off hunger pains. Most people can go 30 days without food. No one can go very long without water. Most water in our streams needs to be purified in some way; you can use a stainless steel water bottle to boil water in. You can carry a special water filter or purification tablets to purify water. Get lost? Stay with your car! Cars are much easier to find than people.

FROM THE LIBRARY

by Joni Peterman, CSMS

While Frank and Ellie are on the adventure of a life time to the land down-under, Joni Peterman is staffing the CSMS library. Remember this is your library, so CSMS members take advantage of the extensive learning resource data available.

Be sure to look at CSMS website to make your selection then Email Joni at rp_colorado@hotmail.com. We greatly appreciate donations from everyone. We don't accept only books; bring in DVDs, videos, and maga-

zines, anything relative to CSMS.

This is your library. We encourage all CSMS members to take advantage of our fairly extensive inventory of reading material. Check the CSMS website to make your selection then Email or call Frank or Ellie to make your request. We appreciate all mineralogical book donations



RMFMS LETTER

BY BILL SMITH, RMFMS

PRESIDENT'S



We welcome the Cody 59ers Rock Club of Cody, WY, as a new club in our Federation. I look forward to meeting some of their members at the Colorado Springs Show and Convention.

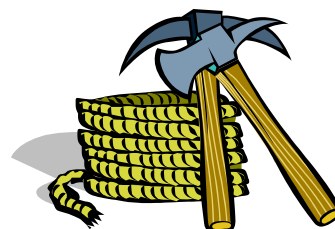
It is time to start getting ready for the RMFMS Colorado Springs Show and Convention. You will find Credentials for Delegates and Alternates and Proxy forms printed in this newsletter (email only). We need to have all clubs represented by either having delegates attend or sending in a proxy form. If you submit a proxy form, make sure you have listed two members who will be attending the Delegates Meeting.

All executive board members and committee chairs need to get your yearly reports sent to Debbie, our Secretary, for inclusion in the delegates meeting packet.

I have just been informed that Dan Lingelbach, our Finance Chair, has passed away. Our deepest sympathies to his family; Dan was a long-time volunteer for RMFMS. I have placed Bob Haines on the finance committee. Bob is a member of the Wichita Gem and Mineral Society.

All roads lead to Colorado Springs in June!

Until next month,
Bill



APRIL 21, 2011 GENERAL ASSEMBLY MINUTES

BY JENNIFER BEISEL, CSMS SECRETARY

· · MEETING CALL TO ORDER

- o Call to order at 7:29 pm by CSMS President Roger Pittman

· PLEDGE OF ALLEGIENCE

· MOMENT OF SILENCE FOR DONNA MEILKE AND JOHN WHITE

· SPEAKER FOR THE EVENING

- o Pete Madrisky – “How I Spent my Summer” – pegmatite exploration within Colorado and Wyoming

· APPROVAL OF MARCH MINUTES

- o Accepted and seconded as printed in Pick and Pack

· TREASURER’S REPORT

- o Presented by Ann Proctor

· LIBRARIAN’S REPORT

- o Updated by Frank and Ellie Rosenberg – the library duties will return to them in June, in the meantime the materials are kept with Joni Peterman

· VISITORS, GUESTS, NEW MEMBERS

- o No guests or new members present

· SATELLITE GROUP REPORTS

- o CRYSTAL STUDY – Summer collecting – will join with Faceting group this Thursday for meeting
 - o FACETING – Thurs. meeting video “Sweet Home Mine” 7:00 PM Sr. Center
 - o FOSSIL STUDY – Six field trips planned; next meeting Steve Veach will present “History of Florissant”
 - o LAPIDARY – Sharon Holte – items ready for silent auction; big saw is down
 - o PEBBLE PUPS – Steve Veach to present certificates to 8 students who had article published in British magazine focusing on Egyptian Artifacts; location will be a Chili’s Restaurant in the North part of town
- ## · SHOW UPDATE/ JUNE 24, 25, and 26
- o Yam summarized the event preparations and schedule
 - o Planned six field trips, three prior and three after event (non-participating CSMS members may sign up on a first

- come first serve basis after participants have registered on the 24th)
- o Scheduled a pot-luck dinner Friday night before show
- o Request for 4 speakers still needed for function

· NEW BUSINESS

- o Review of constitution wording for age of youngest members (amendment to constitution motion made and seconded – to be published according to by-laws in Pick and Pack)
- o Field Trips:
 - § Holcum Cement Quarry – April 30
 - § Fountain Creek Wall – May 14
 - § Peridot Claim – May 15
 - § Fossil Trip – May 21
 - § Utah Trip – October 2011

· OLD BUSINESS

· DOOR PRIZES

· ADJOURNMENT

- o Meeting adjourned approx 9:30 PM prior to program

Joan L. Peterman
CSMS Secretary 2011



May 2011



Our Staff...

Teri Stoiber and Ann Proctor
Editors

CSMS Members Reporters

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 email it. Format does not matter. All submissions are welcomed.

DEADLINE for items to be included is the Saturday after the General Assembly every month.

To submit an item, please use the following:

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

All articles not shown with an author are provided by the Editor.

Mail or email to:
blacklabaccounting@gmail.com

Pick & Pack Editors
PO Box 2
Colorado Springs, CO 80901

The PICK&PACK is published at least ten (10) times per year; 350-375 copies e-mailed/mailed per month (no issues in January or August).

Unless otherwise marked, materials from this publication may be reprinted. Please give credit to the author and CSMS PICK&PACK.

Well, the Pebble Pups have done it again!! We have several well-written submissions from their members, as well as a great tale from Frank & Ellie Rosenberg, and articles from Mike Nelson and Steven Veatch.

The Convention is just around the corner—volunteers are still much needed and appreciated, and if you haven't secured a booth, you may be out of luck for this year. From all reports, this year's RMFMS/Colorado Springs Show & Convention is going to be spectacular!

If you don't see your submission in this issue, it will be in next month's—we are trying to keep the Pick & Pack enjoyable, but under 40 pages. Two important articles that we will be including next month are "How to Build a Lap" and "Dangerous Dust" (the latter is courtesy of The Leaverite News), both of which are very interesting and informative.

As always, we are looking for articles, pictures, etc., and remember, submissions are eligible for nomination in next year's Editor's Contest. Teri & Ann

NOTICE—Items listed for sale in the Pick & Pack are displayed only as an informational service to our members and advertisers. CSMS and/or the Pick & Pack do not promote nor warranty any item displayed. The sellers and buyers are responsible for the condition and ownership of any item shown.

CLASSIFIEDS

CSMS T-Shirts, Badges, and Pins are available for sale. See Store Keeper, Ann Proctor.



Have You Picked Up Your Membership Award Pin?

If you celebrated a CSMS anniversary in 2007, 2008, 2009, or 2010, your year pin award is available from the Storekeeper, Ann Proctor. Last call for 2008 pins.

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Colorado Springs Mineralogical Society, Post Office Box 2, Colorado Springs, CO 80901
www.csms.us

APPLICATION FOR MEMBERSHIP

1. All memberships run from **January 1 to December 31**.
2. Any person or corporation joining the CSMS as a new member after June 30th shall pay half of the yearly rate. Corporate Membership grants up to five (5) Individual Memberships. Any person or corporation 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 toward 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 on their 26th year. Lifetime Members receive all of the CSMS benefits and no longer have to pay the annual dues. Individual Memberships provided by Corporate Membership are excluded from Lifetime Status.
5. Corporate membership grants up to 5 individual memberships and one Yearly (10 issues) 3.5 x 2" advertisement in the CSMS Pick & Pack.
6. Members in good standing receive the following benefits: 10 electronic issues of the CSMS *Pick&Pack* newsletter, 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	<input type="text"/>	FIRST	<input type="text"/>	MIDDLE	<input type="text"/>
SPOUSE	<input type="text"/>				
STREET	<input type="text"/>		CITY	<input type="text"/>	
STATE	<input type="text"/>	ZIP	<input type="text"/>	EMAIL*	<input type="text"/>
PHONE	<input type="text"/>	CELL	<input type="text"/>		
HAVE YOU PREVIOUSLY BEEN A MEMBER OF CSMS		NO <input type="checkbox"/>	YES <input type="checkbox"/>	WHEN <input type="text"/>	
YOU ARE PAYING FOR THE YEAR		<input type="text"/>		Each year the Colorado Springs Mineralogical Society publishes a Membership Directory. <i>The directory is distributed ONLY to CSMS members.</i>	
Your dues MUST accompany this application		<input type="checkbox"/>		Check if you do NOT want your name & address included	

* Will and can you receive the newsletter via email? YES ☐ NO ☐

	All Members Before Jan 31	All Members After Jan 31	New Members Only	
			After June 30	Oct 1 – Jan 31
<input type="checkbox"/> Junior Membership (12 –17 years old and parent is not a member)	<input type="checkbox"/> \$10.00	<input type="checkbox"/> \$15.00	<input type="checkbox"/> \$ 7.50	<input type="checkbox"/> \$10.00
<input type="checkbox"/> Individual Membership (18 and over)	<input type="checkbox"/> \$25.00	<input type="checkbox"/> \$30.00	<input type="checkbox"/> \$15.00	<input type="checkbox"/> \$25.00
<input type="checkbox"/> Family Membership (parents & dependents under 18)	<input type="checkbox"/> \$35.00	<input type="checkbox"/> \$40.00	<input type="checkbox"/> \$20.00	<input type="checkbox"/> \$35.00
<input type="checkbox"/> Corporate Membership (entitles up to five (5) Individual Memberships)	<input type="checkbox"/> \$95.00	<input type="checkbox"/> \$100.00	<input type="checkbox"/> \$50.00	<input type="checkbox"/> \$95.00

YOUR INTERESTS Please check ALL that apply			
CRYSTALS <input type="checkbox"/>	MICROMOUNTS <input type="checkbox"/>	PROJECTS <input type="checkbox"/>	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.
FOSSILS <input type="checkbox"/>	FACETING <input type="checkbox"/>	YOUTH ACTIVITIES <input type="checkbox"/>	
LAPIDARY <input type="checkbox"/>	SILVERSMITHING <input type="checkbox"/>	OTHER <input type="checkbox"/>	
JEWELRY <input type="checkbox"/>	PHOTOGRAPHY <input type="checkbox"/>		
METEORS <input type="checkbox"/>	FLUORESCENTS <input type="checkbox"/>		
VOLUNTEER CAPABILITIES Clubs are made up of volunteers!			
ARTIST <input type="checkbox"/>	CLUB OFFICER <input type="checkbox"/>	EDITOR <input type="checkbox"/>	List any other things you may be willing to do:
MAILING <input type="checkbox"/>	LOCAL SHOWS <input type="checkbox"/>	WRITING <input type="checkbox"/>	
PROGRAMS <input type="checkbox"/>	FIELD TRIPS <input type="checkbox"/>	LIBRARY <input type="checkbox"/>	
PUBLICITY <input type="checkbox"/>	WEB SITE <input type="checkbox"/>	REFRESHMENTS <input type="checkbox"/>	

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

CSMS Constitution and 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
PO Box 2
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Do Not Delay
May 2011



Joining the Colorado Springs Mineralogical Society (CSMS)

General Assembly meetings are held the third (3rd) Thursday of each month, except January & August, beginning at 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: Crystal Study Group, Faceting Group, Fossil Group, Jewelry Group, Lapidary Group, Micromounts Group, and Pebble Pups/Juniors. For details on Satellite Group meetings, see page 30.

Yearly dues include 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 & Industry*, a year of learning and enjoyment, plus a lifetime of memories.

Individuals—\$30 Family—\$40 Juniors—\$15 Corporate—\$100 Application is on page 33 and at csms.us

If you are interested in joining CSMS or would like more information, we encourage you to attend our next General Assembly meeting or visit our web site: www.csms.us.