

PICK&PACK

THE BULLETIN OF THE COLORADO SPRINGS MINERALOGICAL SOCIETY Published Since 1960

JULY 2008

PICK&PACK

Volume 48 Number 6

GARDEN OF THE GODS FINDS OUT OLD SKULL IS ACTUALLY NEW FIND

BY CARL MCCUTCHEN

(reprinted with permission from *Westside Trading Post*, Vol 5, No 29, May 30, 2008)

In 1997, the Garden of the Gods Visitor and Nature Center was given a fossil replica of the skull of a *Camptosaurus*, or at least that's what they thought they were being given.

For years the Garden of the Gods had attempted to track down any information regarding dinosaurs who may have once roamed the grounds of the park.

In 1995, Kirk Johnson, curator of paleontology at the Denver Museum of Nature and Sciences guided the Garden of the Gods staff to one of his colleagues, Dr. Ken Carpenter, who just happened to be a dinosaur expert at the Denver Museum.



Fossil replica from Garden of the Gods Park, CO
Photo by Bill Cain

The staff contacted Carpenter, and as luck would have it, he faintly remembered having something about a dinosaur fossil being found in the park.

"He said, 'You know, I think I have something in my files about a dinosaur being found in Garden of the Gods in an 1891 article in the *American Journal of Science*,'" said then Garden of the Gods staff member Melissa Walker, about her conversation with Dr. Carpenter.

Carpenter did find the file, revealing the fossil in question was sitting on the shelves of the Yale Museum for over a century.

Carpenter and Johnson were able to convince the Yale Museum to allow them to make a cast of the fossil, identified in 1886 as a *Camptosaurus*, for the Garden of the Gods Center.

But while making the cast in 1996 for the center, Carpenter noticed a few irregularities which made him believe it wasn't a *Camptosaurus*, but he couldn't quite pin down what dinosaur it actually was.

Nevertheless, Carpenter delivered the cast to the Garden of the Gods Visitor and Nature Center where it has been on display for the past 11 years.

But Carpenter didn't stop there.

The irregularities he noticed in the *Camptosaurus* skull compelled him to research the fossil further, and this past Saturday, in front of a crowded Garden of the Gods Visitor and Nature Center lobby, Carpenter delivered his conclusion, which he actually

(See "Old Skull" on pg 4)

CSMS is an incorporated nonprofit organization with these goals:

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

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Colorado Springs
 Mineralogical Society

Founded in 1936

Lazard Cahn

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Our Staff...

Betty Cain	<i>Editor</i>
Bill Cain	<i>Mailer</i>
CSMS Members	<i>Reporters</i>

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 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.

Mail or email to:
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Info@csms.us
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The PICK&PACK is published at least ten (10) times per year; 275-300 copies mailed per month (no issues in January or August).

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PRESIDENT'S CORNER

By RICK COPELAND, CSMS



Rick Copeland

Greetings. Well, thanks to great coordination by Show Chairman **Drew Malin**, Co-Chairman **Ron Yamiolkoski**, and Dealer Co-Chairs **Linda & Nick Morales** the 2008 Pikes Peak Gem and Mineral Show was a resounding success! Of course we couldn't have done it without **you volunteers**, many of whom gave up their entire weekend for the show plus all the work in preparation.

The children's area and silent auction were a beehive of activity all weekend with many small, smiling faces. I would also like to thank the Colorado Gold Panners for bringing the hands-on experience of gold panning to young and old.

The dealers seemed to be having a good show, and I heard many comments from attendees about the impressive inventory the dealers brought with them to sell. On another high note, we signed up over 40 new family memberships! *Editor's Note: Without the assistance of **Bill Battin** and **Diana Ebat**, we would not have been able to discuss membership with the many visitors who stopped by the Hospitality booth—Great Job, Bill & Diana!*

So now with the show behind us, we can turn our focus to field trips, and we have plenty on the schedule. Check the club web site to see if any of them are of interest to you. Also, we have our annual picnic at WMMI coming up in August.

In closing, I want to wish everyone a safe and enjoyable summer. Happy rockhounding!

NEXT GENERAL ASSEMBLY PROGRAM

The presentation at the July 17th General Assembly will be our Satellite Groups Show & Tell with displays and information on their activities. This is the perfect time to have that mystery specimen you found identified; bring it with you.

In addition, the Florissant National Monument interns will be joining us to present a brief program. CSMS provides a sponsorship each year to assist in their summer scholarship activities at the Florissant Fossil Beds.

LIBRARY BOOK MEMORIALS

A letter of appreciation was received from the Pikes Peak Library District for the books purchased by CSMS in honor of our members who have passed away during the past year. The following books are now available and may be reserved by contacting the Library at 531-6333 ext. 2062:

- Silver Threads: Making Wire Filigree Jewelry, by Jeanne Rhodes Moen, barcode 194729349, donated in memory of **Glen Pryor**
- Cripple Creek District: Last of Colorado's Gold Booms, by Jan Mackell, barcode 165682477, donated in memory of **Richard Jack Wright**
- Revised Lapidary Handbook, by J. Harry Howard, barcode 165767161, donated memory of **Louis F. Severini**
- Ghost Towns and Mining Camps of the San Juans, by Dave Southworth, barcode 194728812, donated in memory of **Evelyn "Dee" Muncy Rickey**
- American Mineral Treasures, by Gloria Staebler, ed., barcode 165798687, donated in memory of **Vincent J. Johnson**

AFMS NEWS

BY JOY BORNE AFMS PRESIDENT-ELECT

Can it be that we are half-way through the AFMS Year 2007-2008 already? And the Big Convention at Humble, Texas hosted by the Houston Gem & Mineral Society, is only four months away. That means it is time for me to make a report to all of you of the progress some of our committees have made thus far.



I have been in contact with both Scott Singleton, 2008 Show Chairman and Shiara Trumble, HGMS AFMS/SCFMS liaison, and it looks as if everything is going smoothly as far as planning for a busy and well-coordinated event from start to finish. I understand that each and every function will be operated on a strict timetable, so that every Convention attendee will be able to be present at all meetings and events.

The complete Convention Schedule of Events was listed in the May AFMS Newsletter. Please take note that the Editors' Award Breakfast is scheduled for Saturday this year, rather on Sunday as we have been accustomed to hold that event. I might also point out that according to Don Shurtz, SCFMS BEAC, the new name for "Editors' Awards Breakfast" is "Breakfast With the Editors." He has planned for a keynote speaker, who is limited to a strict 15-minute time period for the talk. In addition, both Linda Jaeger, our new AFMS Bulletin Editors Committee Chair, and Don are planning on using a projected Power-Point presentations to expedite the awards distribution. Talk about efficiency!

The Endowment Fund Committee has been super-efficient this year, too. Reports are that despite the discouraging reports of our US Economic Consumer reports, the committee members are experiencing a bang-up distribution of coupons for the Endowment Fund drawing. Pictures and descriptions of the ten prizes already received are posted on the AFMS Website, with at least four more still to come.

President Shirley and I think we have come up with a solution to the unfortunate situation of two important Regional Federation shows having been scheduled for the same weekend of June 20-22.

The plan is for President Shirley Leeson to attend the combined AFMS/CFMS 69th Annual Convention & Show in Ventura, California, and I will be attending the combined AFMS/MWF Show in Lincoln, Nebraska. This Show is also the 50th Anniversary Show of the Lincoln Gem and Mineral Club, and is being held in conjunction with the Nebraska Association of Earth Science Clubs. With these arrangements, both conventions will be hosting an AFMS Officer who lives fairly close to the Convention location. I know I am looking forward to seeing lots of good rockhound friends in the heartland, (I am a native South Dakotan), and I'm sure Shirley feels the same about her many friends in California.

UPCOMING SHOWS

Jul 2-6

All Rockhounds Pow Wow Club, Jefferson Co Fairgrounds, Madras, OR; contact Connie Matteson, (253) 475-8433 madraspowwow@hotmail.com

Jul 11-13

Four Corners Gem & Mineral Show, La Plata Fairgrounds, 2500 Main, Durango, CO, Joanna Baker (970) 563-9908 info@durangorocks.org

Aug 7-10

Contin-Tail, Buena Vista, CO, FREE TO THE PUBLIC, www.coloradorocks.org, (303) 833-2939 or (720) 928-4194

Aug 15-16

Annual Lack George Show, Hwy 24, Lake George, CO; www.lggmclub.org, John Rakowski (719) 748-3861

Aug 23-Sep 1

Agate Rendezvous 2008, Yonis Lone Eagle, (505) 860-2455 rocky mountainrockhounds@yahoo.com

Sep 10-14

Denver Mineral & Fossil Show, Holiday Inn-Central, 4849 Bannock St. (I-25 & I-70)

Sep 12-14

41st Annual Denver Gem and Mineral Show, Merchandise Mart Expo Hall, 451 E. 58th Ave (I-25 at Exit 215) www.denvermineralshow.com

Sep 25-28

AFMS Show, Humble, TX

Oct 31—Nov 2

RMFMS Show, Tulsa, OK

Dec 12-14

Flatirons Mineral Club, Boulder County Fairground, 9595 Nelson Rd. (Nelson & Hover), Longmont, CO

WMMI HAPPENINGS

Outside Machinery Days at WMMI
July 14, July 26, August 27, September 20
10:00 a.m. & 1:00 p.m.

Hear the shrill whistle of the Western Museum of Mining & Industry's 1928 Osgood Steam Shovel. Learn how compressed air locomotives replaced the poor mule in hauling mountains of ore, and then see one rumble out of the past and down the track! Last, but not least, walk into the Museum's operating gold refinery. Listen to the stories describing the dangers of being a mill man. Understand how industrial revolution technology helped our ancestor's hew a living out of Colorado's hard rock.

Location: Just off I-25 at the Gleneagle exit, #156A. Just across from the north entrance to the U.S. Air Force Academy.

Your CSMS membership includes free admission to WMMI.



OLD SKULL (CONT'D FROM PG 1)

formed in 2006 but has kept under wraps until now.

Through his numerous years of research and with the help of his assistant, Kathleen Brill, Carpenter concluded that the skull displayed in Garden of the Gods was not actually the skull of a *Camptosaurus*, like originally thought, but instead the skull of a brand new species which Carpenter has named *Theiophytalia Kerri*. The name is significant to the Garden of the Gods because *Theios* means "belonging to the gods" in Greek, and *phytalia* means "garden." *Kerri* refers to the first person to find the original fossil in 1878, James Kerr, the geology professor at Colorado College.

Carpenter said there were many factors which made him suspicious the fossil was [not] a *Camptosaurus*, including the time when the dinosaur lived as well as the shape of its skull.

"Soon after I received it, I began to have doubts about its identification," he said Saturday. "The shape of the beak causes my doubt."



Paleontologist interpretation of how "Theo" looked. Photo by Bill Cain

Not only did the shape and length of the fossil create doubt for Carpenter, but also the position and shape of the nasal and eye socket opening[s].

He also said the *Camptosaurus* roamed the earth during the Jurassic

era, while this particular dinosaur actually lived during the early Cretaceous era.

No other bones have been found from the newly-identified species, but Carpenter said he could estimate the size of the animal to be roughly 25 feet long and weighing up to three tons.

"It's not something you want stepping on your toes," he said.

Brill, who said she was excited to have helped Carpenter so much on this project, said right away there were doubts as to the identification of the *Camptosaurus* when they were making the cast.

"When asked to make a cast, (Carpenter) was fairly certain it was not a *Camptosaurus*," she said. "It resembled an *Iguanodon*."

Brill said one of the keys to the discovery was researching the rock formations found on the skull. She said that while making the cast she noticed there was still quite a bit of rock attached to the fossil, and after some pleading with the Yale Museum to allow her to remove a piece of the rock, she studied the formation and found out the timing of it was all wrong for the time a *Camptosaurus* would've wandered around near Kissing Camels.

It also helped her to identify what part of the park the fossil was found near, most likely near the location of the old Visitor Center.

Bonnie Frum, director of operations at the Garden of the Gods Visitor and Nature Center said it was a wonderful thing having Carpenter identify the fossil as a new species.

"I just think it is so much fun to think that Garden of the Gods had a one-of-a-kind dinosaur," she said. "Not just for Garden of the Gods but really for the whole city of Colorado Springs."

Frum said the park has already begun working on ways to market the unique find to bring in new visitors, or even old visitor who might enjoy hearing the story how "Theo" - what the park has dubbed him - went so long without being identified.

"I just think everybody is going to have fun coming in and reading about his mistaken identity," she said. "I think it's one of the biggest draws."

While it is the only known fossil of "Theo," Frum said she doesn't believe it'll remain that way for long.

"Maybe now that it's been put out there somebody might find some more," she said.

But don't think for a minute it'll be within Garden of the Gods.

While it'd be nice to conduct another dig to see if more bones are buried somewhere in the park, Carpenter said it isn't very likely an excavation will take place anytime soon.

"We'd be making a big hole in Garden of the Gods and they'd probably frown on that," he said.

He did say, however, that there have been footprints found in rock formations, but with only a skull of the new species, it's impossible to tell if the prints were made by *Theiophytalia Kerri*.

"There are footprints in the rocks of the same age," he said. "We just don't know."

Overall, the scientific community has accepted Carpenter's new discovery so far, but he said it's really too new of a discovery for anyone to react to.

"It's so new that no one has really responded yet," he said.

Still, Carpenter is pretty excited about the find and holds onto hope that one day more bones might be found.

"Reaction has been pretty neat. It's been pretty exciting," he said.

"Hopefully someone will be out walking along and find some more bones."



HARTSEL BARITE BY MIKE NELSON, CSMS

On June 7, approximately 30 eager miners accompanied me to what Richard Pearl called “one of the major mineral localities in Colorado”—the Hartsel Barite Mine (Fig. 1). Dave and Lark at



Fig. 1. CSMS participants digging through the mine tailings and hunting for barite at the Hartsel Barite Mine. The largest specimens were several inches in diameter (~9 inches) while nickel sized specimens littered the ground.

Bayou Salado, the owners of the mine, graciously allowed members of the CSMS to visit and collect as much barite as one could carry. Some of the Pebble Pubs were able to secure specimens several inches in diameter. Other more seasoned members, such as the club Vice President, found nice quarter-sized specimens after about five feet of digging (Fig. 2). However, all participants came home with several beautiful specimens of blue barite (barium sulfate).



Fig. 2. CSMS Vice President Ron Yamiolkoski digging and digging and digging—for small blue specimens. Note the Pebble Pup (red tee shirt) tipping his hat to Yam after locating a soft ball size specimen.

The Hartsel Barite is mined from a limestone/clay horizon in the late Paleozoic Maroon Formation. The Maroon was deposited during the Permian Period in the Central Colorado Basin, a somewhat restricted circulation basin between Frontrangia and Uncompahgria, the major Colorado uplifts of the Ancestral Rockies. However, the barite itself is a secondary mineral that was deposited via: 1) hot water solutions of magmatic origin; or 2) meteoric waters concentrating the mineral leached from sa-

line waters in the redbeds of the Maroon (A.L. Howland, *Am. Mineralogist*, 1936).

As with most field trips, some of the sidelights provide entertainment one cannot experience in the city—in this case, a somewhat angry bison ready to charge the person shutting the gate.



Fig. 3. Mine tailings at abandoned mine near summit of Wilkerson Pass.

During the return trip I explored the ruins of the mines immediately east of Wilkerson Pass (Fig. 3). The mine dumps seem fairly safe and expose some beautiful specimens of micaceous shist, including layers of almost pure biotite. Other specimens of gneiss had books of mica approaching one inch in length. Streaks of green to blue indicated the presence of copper minerals and tourmaline was noted; however neither azurite nor malachite was located. Garnets were sparse and although Pearl noted the presence of epidote and galena, neither was located. At one abandoned mine, the prospectors were digging in a very coarse-grained rock where large pieces of rock quartz were quite evident. All of the Wilkerson Pass mines are located in Precambrian metamorphic rocks (~1.7 bya) much older than the Pikes Peak Granite (~1.1 bya).



RMFMS

No news from the Rocky Mountain Federation of Mineralogical Societies until September to allow the new newsletter editor, Deanna Smith from the Mineralogical Society of Arizona, time to get her footing in the new position.



CSMS ANNUAL PICNIC

August 23rd, 11:00 AM until 3:30 PM, at WMMI. Mediterranean food theme pot luck. Swap Tables. Ron Yamiolkoski, Chairman, 488-5526.

SILENT AUCTION—SHOW 2008

BY ILONA VOGT, CSMS

The auction was so much fun this year. A big “Thank you!!!” to everyone that donated, and a very special thanks to **Tom, Myra, Jim** and the whole **Busnell clan** . . . You made this another successful year for our silent auction. A lot of our newest club members participated and went home with mini collections already well established. I think the kids had the most fun, though, and really got into the spirit of the whole “silent auction” thing. Who would have thought a geode would stir up such frenzy? It was great to watch them “silently” wait for each other to put down a bid—only to swoop in and up the ante. Had a couple from Texas, also new members, buy up some Colorado real estate to take home with them as well. Thanks go out to the folks from the **Dino Resource Center** and **Pete Modreski** for helping us ID some of our rocks and fossils. (It’s so much cooler if you know what the heck that funny-looking thing is when you get it home.) They made it a point to come over and put down a bid or two, and we were always glad to see folks with a pencil in their hand. All-in-all, I think we cleared just over \$900 toward the scholarship fund, and that ain’t peanuts. Thanks again to all. What a GREAT way to spend a weekend!



GEMSTONE INCLUSIONS

FROM THE ROCKHOUND GAZETTE, 4/08 VIA SNOOPY GEMS, 6/03

Almost all gemstones have some type of inclusions, which a lot of people look at as a flaw. This flaw is an important characteristic of the gem you are looking at, as well as the genuineness and sometimes even the country or origin of a particular stone. A jeweler’s loupe or a microscope is needed to view the internal world of the gemstone.

Lily-pad inclusions look like a lily pad and is found in peridot.

Fingerprints are small crystal inclusions that are arranged in curved rows and look like a fingerprint.

A **Halo** or disc-like inclusion looks like a flat disc-like shape and resembles a halo. Very often this inclusion will contain a black mark in the center, which could be a zircon crystal. This inclusion is found in Ceylon sapphires.

Horsetail inclusions consist of hair-like fibers arranged together and resemble a horse’s tail. This is indicative of demantoid garnets.

Needle inclusions resemble fine needles and are found in garnet, sapphire, aquamarine andalusite, and Burmese rubies.

Two-phase inclusions resemble a frankfurter in outline that has a bubble enclosure. This bubble may or may not move when the stone is tilted. Topaz, quartz, some tourmalines, synthetic and genuine emeralds exhibit this inclusion. Bubbles look just like what you would think they would. This type of inclusion indicates a synthetic material, glass or a piece of genuine amber.

Dark, ball-like inclusions look like a dark, opaque ball surrounded by irregularly shaped, wispy brown cloud-like formations. The inclusions are exclusive to Thai rubies.

A **Feature inclusion** is actually a crack in a gemstone that looks like a feather. This inclusion is observed in sapphires, rubies, and diamonds.

Zebra stripes look just like a zebra’s stripes and are indicative of quartz.

Swirl marks look like serpentine, curved shapes or curlicues and usually appear as a darker shade of material than what you are looking at. This indicates you are looking at a piece of glass.

Veils look like bubble-like inclusions that are arranged in layers and resemble a wispy veil. This is common in synthetic emeralds and synthetic rubies.

Color-banding looks like concentrated color bands in a gem material. This is caused by changes in temperature, pressures, and chemicals during the growing period. Straight color banding indicates a genuine stone and curved color banding indicates a synthetic stone of gem material.

FLORISSANT FOSSIL BEDS SUMMER SEMINARS

The summer seminars offered by the National Park Service is well underway at the Florissant Fossil Beds, but there is still time to register for the remaining sessions. Information may be obtained at www.nps.gov/f/fo and go to the link for Education Programs, phone registrations at 719-748-3253, or email to jeff_wolin@nps.gov.

July 8-10, Trees and Wildflowers of the Central Rockies, Doug Coleman. The course will be designed for beginner and intermediate students of trees, shrubs, wildflowers, ferns and grasses on and within 40 miles of the Florissant Fossil Beds National Monument.

July 12, Teacher Workshop: How to Excavate for Fossils—Hands-on Activities for Students, Dr. Bob Carnein and Jeff Wolin. This is a hands-on workshop that will give teachers background information on the geology and paleontology of the Florissant Fossil Beds.

July 20, Treasures in the Basement: Pegmatite Minerals of the Pikes Peak Granite at Crystal Peak, Dr. Bud Wobus. The oldest ("basement") rocks of the Florissant area are granites of the Pikes Peak intrusive event which occurred about a BILLION years ago.

July 24, Railroading on the Back Side of Pikes Peak, Mel McFarland. The seminar will start off with the background on the Colorado Midland Railway, built in 1887 and operated until 1920.

August 9, Evolution and the Nature of Science: Pheromones, fossils, and a fishpod, Dr. Louise Mead. Come join us for a day-long workshop on evolution which will include discussions of the nature of science and scientific theories, fossil evidence for evolution, and current research in evolutionary biology.

TIPS & TIDBITS:  **Fossil Cleaning Tips** — In most cases when a fossil is cleaned, the surface is usually left with a dull or chalky look, even if you're very careful. This is caused by the abrasion of the tool against the fossil's surface.

In an effort to make the fossil look better, some collectors use a quick method and cover their specimens with clear plastic sprays to bring out the details and to lessen the scratch appearance. The collections are easy to recognize because every specimen looks as if it is wet or dipped in plastic. The trouble with this method is that it puts an unnatural glossy appearance on the fossil as well as the matrix, giving your specimen poor contrast.

In their natural state, fossils are not usually glossy, and professional museum preparers will tell you that making a fossil something it never was is poor practice. Clear sprays have a tendency to become cloudy over time, and the temptation to spruce up the collection by re-spraying specimens becomes a habit, which only puts more cloudy layers on the specimen. These coatings make photographing fossils difficult; they are very hard to remove and will sometimes render specimens useless for scientific study. A simple common sense way to get around these problems is to use alcohol soluble, clear shellac. Just mix two parts shellac to eight parts alcohol. The ratio can vary slightly to suit personal tastes. This mixture will leave a pleasing, natural matte finish.

When using this method, make sure the fossil is clean of dust. With a small artist brush, carefully coat only the fossil with the diluted shellac. This will reveal the specimen's actual color and allow the fossil to stand out against the natural matrix, giving excellent contrast. The more attention you give to coating the delicate structures, the more beautiful the specimen will be. If you accidentally apply too much or if it runs on the matrix, just dip the brush in alcohol and whisk the coating away. It dries in seconds.

Making no doubt about it, fossil collecting has become very sophisticated in recent years, and collections quickly prepared by obsolete or improper methods are now readily noticed by other collectors. *From The Rocky Reader 6/08, via The Glacial Drifter 1/08*



FROM THE EDITORS
(CONDENSED FROM AFMS NEWSLETTER, 6/08)

The AFMS Newsletter will not be published during July and August. (The CSMS Pick&Pack is not published in August.)

During our hiatus, please take time to write to the Citizens Stamp Advisory people and urge them to put gemstones on stamps! (Address is on the AFMS website). Sure would be a best seller and gorgeous to boot.

And don't forget to contact your delegation in Congress and remind them that the pending legislation - paleo bills and mining law revisions - are bad for collectors like ourselves. Passage of these bills would make it even more difficult for you and your children and grandchildren to collect on public lands.

Have a safe and productive summer. We'll see you in September.

LATE SUMMER FIELD TRIPS

CSMS field trips through July are listed on the calendar on page 9; details of each trip may be found on the web site or at a General Assembly meeting. We currently have additional trips planned as follows:

Aug 9—Mt. Antero for aquamarine, phenakite, smoky quartz, fluorite, biotite mica, and blue and blue-green beryl.

Aug 23—Taos, NM Stauroilites for stauroilites, garnets, and mica schist.

Sep 20—Gold Camp Road for smoky quartz, microcline, zircons, riebeckite, astrophylite, and other rare minerals.



April 1, 2008

Colorado Springs Mineralogical Society
Attn: Rick Copeland
P.O. Box 2
Colorado Springs, CO 80901

Dear Rick:

On behalf of the City of Colorado Springs Parks, Recreation and Cultural Services Department, I would like to thank you very much for your donation. What a wonderful surprise. We actually had a projector donated to go with the new laptop, so we are fixed up there. I am going to look into a podium with a light and 2 new combo DVD & VCR units.

We appreciate your support of our programs and services. Thanks again very much and it's a pleasure to host your group.

Sincerely,

A handwritten signature in black ink that reads "Mendy Putman". The signature is fluid and cursive.

Mendy Putman
Director

Please keep this letter as documentation under IRS Code Section 170(f)(8) as verification that you made a 2008 donation of \$1,000.00. The City of Colorado Springs did not provide goods or services in exchange for your contribution.

Editor's Note:

The laptop was donated to the Senior Center in the name of CSMS by Raytheon Information Solutions.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
JULY 2008 — CSMS CALENDAR						
		1	2	3 7p Board Meeting	4  Independence Day	5 8a April Fool's Claim Field Trip-New Mbrs 12n Lapidary Group
6	7	8	9	10	11 Crystal Group taking a break until Sept.	12
13	14	15 7p Micromounts	16	17 6:30p Pebble Pups 7:30p General Assembly Meeting (Show & Tell)	18 8a Cache Creek Gold Panning Field Trip	19 8a Cache Creek Gold Panning Field Trip 9a Ray Berry's Claim Field Trip 12n Jewelry Group
20	21	22 7:30p Camera Group	23	24 7p Faceting Group	25	26 11a CO School of Mines Museum Trip
27	28	29	30	31		Aug 23rd 11a Annual Picnic & Swap Meet @ WMMI

"It is easy to be brave from a safe distance." - Aesop

Locations

Board Meeting: 1st Thursday @ 7:00p. Senior Center, Ron Yamiolkoski, 488-5526

Camera Club: 4th Tuesday @ 7:30p Senior Center, Roger Pittman: 683-2603

Crystal Study Group: New meeting will be in Sept 12, 2008; 2nd Friday @ 7:30p, Senior Center; Kerry Burroughs: 634-4576

Jewelry Group: 3rd Saturday @ 12n; 15610 Alta Plaza Circle, Peyton; contact Bill Arnson: 749-2328

Faceting Group: 4th Thursday @ 7:00p, Senior Center, Dave Wilson, 635-7891, dlwilson@pcisys.net

Fossil Study Group: Senior Center every other month beginning in Sept, Mike Nelson, 522-1608, csrockguy@yahoo.com

Lapidary Group: 1st Saturday @ Noon 6608 Gambol Quail Dr E; contact Rick Copeland 322-7915

Micromounts Group: 2nd Tuesday @ 7:00p, 1514 North Hancock, Phil McCollum: acc@frii.com Moyra Lyne: 442-2673

Pebble Pups: 3rd Thursday @ 6:30p, Senior Center, Steven Veatch: 748-5010

REFRESHMENTS FOR GENERAL ASSEMBLY MEETINGS

Jul—Lapidary Aug—Picnic Sep—Camera
Oct—Micromounts Nov—Fossils Dec—Everyone

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IF I COULD DO MY COLLECTING CAREER OVER

BY SUSAN FISHER

FROM MINERAL MINUTES, 4/08

If I had my collecting career to do over again, what would I change? Would I concentrate on just one mineral or mineral group? Would I specialize in one size of mineral? Or one locality? Or even one crystal type? Since I have retired from my outside-the-home job, I have had a little time to think about such things. What would I have done differently in life still seems too nebulous to address, so I am starting with something I enjoy and which I can actually articulate.

Next to my husband, family, and cats, my mineral collecting has been one of the greatest joys of my life. Notice, I said "collecting" and not "collection" since the process of searching for and studying the minerals has been as much fun as having the actual collection. I have met some wonderful people and colorful characters along the way. I have seen some places that others would never dream about going, and I have shared some exciting triumphs. I have also had a few disappointments. (I still wish I had enough money to get that marvelous Black Cape rhodochrosite, but even I can't justify spending \$50,000 for a rock that I can't eat or cut into a wearable gem.) I have had a good excuse to lie on my face in a mud bank without too great a risk of being committed for psychiatric evaluation, and I have taken out a lot of frustrations applying a sturdy rock pick to a really hard boulder. I have watched a youngster marvel at finding his first dinged-up quartz crystal and grin broadly because he believed that he held the most wonderful treasure in the universe, and he found it himself! I have clung to the center support of a "man-can" descending into a dark mine shaft and felt the thrill of what might lay just outside the beam of my flashlight. I have sat around a camp fire and shared the day's experiences with other tired, dirty, cold rock-hounds and not even noticed the mosquitoes making a feast of my ear. In short, I have gotten to taste some life beyond my normal, computer-driven experiences.

What would I change? First, I'm sure I would study more. The more I know about the minerals and the places and conditions in which they are formed, the more interesting they become. As I get older, the amount of knowledge I lack becomes more apparent. There is nothing like stopping to think about a subject to uncover the massive gaps in one's knowledge and understanding.

Secondly, I would look much longer at the hand offering me a rock. The person behind the mineral may have a real story to tell and is just looking for someone to appreciate it. These beautiful minerals just didn't appear in nice cotton-lined boxes. Someone had to find them and care enough to save them from the ore heap and then clean them, iden-

tify them, and offer them to collectors. Oh sure, they expect to get paid for the rocks, but some also do it for the love of nature's beauty. Those usually have a good story to tell.

Third, I would try to share more. Knowledge hoarded is really wasted. Knowledge is also a magnet of sorts. If one puts out the little one has, more seems to flow in. There is also a joy associated with teaching. It is an investment in the future that goes far beyond our lives and vision. With that future in mind, I would document my collection much better so it would be more useful to those who may enjoy it after me.

Fourth, I wouldn't be afraid to show my passion for the hobby. Life deserves a bit of whimsy and passion to add flavor. There is so much in life that we must do, there should also be things that we really want to do. Maybe I can be someone's "colorful character" when they think of their collecting experiences.

Lastly, I would try to remember what I have just written as the rest of my life starts right now. By the way, I won't change the collecting at all—I will just improve it.

GENERAL ASSEMBLY MINUTES

JUNE 19, 2008

BY JOHN CASTO, CSMS SEC.

The assembly for June was informal to prepare all those last minute details for the CSMS Show.

No reports or presentations were given to allow time for show business. The set up details, volunteers and other items were finalized. We may need to find another location for next years show as Phil Long is increasing their cost substantially.

Minutes accepted as printed in the Pick&Pack.

Secretary's Report: This year's show was a great success thanks to everyone for all of their hard work and time over the last few weeks. The final numbers for new members, sales, etc. will be reported as they become available. I am looking forward to the April Fool's field trip for new members signed up at the show. This will give us a chance to welcome them to our club and show them how much fun it is digging a big hole! Last report we had over 25 families signed up. I have also been working on setting up the peridot claims for us to play on. This will make five claims set up in the clubs name to date. Now that the show is over and summer is in full swing, be sure to get out on one of the many field trips.



Happy Independence Day

Regular meetings of various groups

Café Scientifique features a talk and discussion on some current science topic; 6-30-8:00 p.m. Tuesday evening once a month (approximately the 3rd Tuesday) at the Wynkoop Brewery (Mercantile Room), corner of 18th & Wynkoop Streets, Denver. No charge; all are welcome.
<http://cafescolorado.org>

Colorado Scientific Society, monthly meetings with one or two speakers on an earth science topic, 3rd Thursday, 7:00 p.m. American Mountaineering Center, 710 10th St. (NE corner with Washington), Golden, CO. <http://www.coloscisoc.org>

Denver Mining Club, Informal weekly luncheon meetings with a speaker, every Monday, 11:30-1:00, Country Buffet, 8100 W. Crestline Ave, #A3, Littleton, CO (about 1/2 mile north and east of the intersection of Wadsworth Blvd. & Bowles), tel: 303-933-9923. No charge, but all who attend must purchase a lunch at the restaurant. See web site http://china-resources.net/den_min.html

Denver Region Exploration Geologists' Society (DREGS) meets monthly on the 2nd Monday, 7:00 p.m. Consolidated Mutual Water Company (lower level), 12700 W. 27th Ave., Lakewood, CO; no charge, all are welcome to the meetings. See <http://www.dregs.org/>

Rocky Mountain Assoc. of Geologists (RMAG) has monthly luncheon meetings with a speaker at the Marriott City Center, California St. between 17th & 18th Streets, 11:30 a.m. Luncheon cost is \$24; no reservations are needed for the talk only. See <http://www.rmag.org/>

USGS Colloquium Series, lectures on Thursday, 1:30-2:30 p.m. Foord Lecture Room, Bldg. 20, Denver Federal Center, Lakewood, CO. USGS staff, visitors, and guests are welcome. See <http://geology.cr.usgs.gov/crg/colloquia.htm>

Western Interior Paleontology Society (WIPS), meets 7:00 p.m. first Monday of the month, Sep-May, Rick- etson Auditorium, Denver Museum of Nature and Science, <http://www.wipppc.com>

CLASSIFIEDS . . .

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.

Have You Picked Up Your Membership Award Pin?

If you celebrated a CSMS anniversary in 2007 or 2008, your year pin award is available from the Membership Secretary, Bill Cain.

Membership Directories

The directories are available from the Membership Secretary at each meeting. Be sure to pick up your copy.

CSMS T-Shirts, Badges, and Pins are available for sale at each meeting.

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July 2008



Joining the Colorado Springs Mineralogical Society (CSMS)

General Assembly meetings are the third (3rd) Thursday of each month, except 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: Camera Club, Crystal Study Group, Faceting Group, Fossil Group, Jewelry Group, Lapidary Group, Micromounts Group, and Pebble Pups. For details on Satellite Group meetings, see page 9.

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—\$20

Family—\$30

Juniors—\$2

If you are interested in joining CSMS or would like more information, we encourage you to attend our next General Assembly meeting (see page 2 for details of the next meeting) or visit our web site: www.csms.us.