



THE BULLETIN OF THE COLORADO SPRINGS MINERALOGICAL SOCIETY Published Since 1960

Colorado Springs
Mineralogical Society
Founded in 1936

April 2015
PICK&PACK

Vol 55 Number 3

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CSMS General Meeting

Thursday, April 16, 7:00 PM

This month's speaker is Ronald "Yam" Yamiolkoski

Topic: Rockhounding 101

**** Ugly Rock Contest—Bring your Ugliest Rock!! ****

Refreshments provided by the Micromount Group

UGLY ROCK CONTEST

by Joyce Price

The Colorado Springs Mineralogical Society will have an UGLY ROCK CONTEST at our April meeting. We hope everyone will join in the fun. To enter, just pick the ugliest rock you have or can find between now and the meeting and bring it with you. Check it in at the table set up for the contest and receive your specimen number.

The rules are very simple:

1. Entries must be real rocks (or pieces)--no chunks of concrete or pavement.
2. Label the rock and where it came from.
3. Decision of the judges is final.

There will be three expert ugly rock judges. The contest winner will receive a nice trophy.

Get to looking for that ugly rock today and join in the UGLY ROCK CONTEST, one of the really fun events of the year.



CSMS Calendar

April 2015

Thu., **Apr 2**—**Board Meeting**, 7 p.m., Senior Center.

Tue., **Apr 7**—**Fossil Group**, 7 p.m., Senior Center. Jerry Suchan 303 648-3410

Tue., **Apr 14**—**Micromounts**, 7 p.m., Senior Center. Dave Olsen, 719 495-8720

Thu., **Apr 16**—**General Assembly**, 7 p.m., Senior Center.

Pebble Pups & Juniors, 5:30 to 6:15 p.m., Steven Veatch, 719 748-5010

Thu., **Apr 23**—**Crystal Group**, 7 p.m., Senior Center. Kevin Witte, 719 638-7919

Faceting Group, 7 p.m., Senior Center. Paul Berry, 719 578-5466

Jewelry Group, Appointment Only, Bill Arnson, 719 337-8070.

Lapidary Group, Appointment Only, Sharon Holte, 719 217-5683

May 2015

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

Tue., **May 12**—**Fossil Group**, 7 p.m., Senior Center. Jerry Suchan 303 648-3410

Tue., **May 19**—**Micromounts**, 7 p.m., Senior Center. Dave Olsen, 719 495-8720

Thu., **May 21**—**General Assembly**, 7 p.m., Senior Center.

Pebble Pups & Juniors, 5:30 to 6:15 p.m., Steven Veatch, 719 748-5010

Thu., **May 28**—**Crystal Group**, 7 p.m., Senior Center. Kevin Witte, 719 638-7919

Faceting Group, 7 p.m., Senior Center. Paul Berry, 719 578-5466

Jewelry Group, Appointment Only, Bill Arnson, 719 337-8070.

Lapidary Group, Appointment Only, Sharon Holte, 719 217-5683

The Senior Center is located at **1514 North Hancock** in Colorado Springs. For more information on any of the sub-groups, meetings, and other CSMS valuable information, go to our website, csms.us

Other Events of Interest to CSMS Members

Wed., Apr. 15, 4:00 p.m., CU Geological Sciences Seminar, Boulder, **Alternative Earths: Explaining Persistent Inhabitation on a Dynamic Early Earth**, by Tim Lyons, UC-Riverside. Benson Earth Sciences Building Auditorium (room 180).

Thurs., Apr. 16, 7:00 p.m., The **Colorado Scientific Society's 2015 S.F. Emmons Lecture** will be at the American Mountaineering Center auditorium, 710 10th St., Golden, at approx. 7 p.m. The speaker will be Dr. Tom Barclay, NASA Ames Research Center and the Bay Area Environmental Research Institute; his topic will be **"The Search for Earth-like Planets"**.

Tues., Apr. 21, 4:00-7:00 p.m., **Day-before-Earth-Day Geology & Nature Hike on South Table Mountain**, Golden, CO, to the top of the "Castle Rock" overlook. Led by USGS geologist Dr. Pete Modreski. Meet at 4:00 p.m. at the trailhead near the intersection of 18th St. and Belvedere St. in Golden (follow 19th St. east until it ends at the base of South Table Mountain). The easy-paced loop hike will follow a good but steep trail to the top, about 2 miles round trip and about 500 feet elevation gain. We'll view and discuss the lava flows that cap the mesa, the sedimentary rocks beneath them, how the present landscape developed, and plant communities on the mesa. All are welcome; contact pmodreski@usgs.gov, office 303-202-4766 or cell 720-205-2553 with any questions or in case of inclement weather. [If you can't make it quite by 4 p.m. this day--come anyway and catch up, you'll see our group proceeding up the trail, stopping here and there.]

(Continued on page 4)

COLORADO MINERAL & FOSSIL SHOW

April 24 - 25 - 26, 2015

RAMADA PLAZA - DENVER CENTRAL

4849 Bannock St., Denver, CO 80216

Where I-25 meets I-70

Gold
Breckenridge, CO
Jeff Scoville



The Spring show in Denver is back! Bringing you 70 dealers with a great selection of minerals, fossils, gems, meteorites, jewelry, beads, lapidary supplies, decorator items and more.

Retail ♦ Wholesale ♦ Open to the Public

Free Admission ♦ Free Parking

Adams Minerals
Angelic Healing Crystals
Artisan Jade
Badlands Agates & Fossils
Brazarte
Burtis Blue Turquoise
Coloradominerals.com
Comet Meteorite Shop
Costigan's Minerals West
Cowboy Crystals/KQ Minerals
Creative Gifts
Crown Collection, The
Cut Edge Gems
Cutter's Bench, The
Dan's Used Rocks
DB Opals
Egeoblogo Meteorites
Enchanted Rock Garden, The
Fine Gems & Minerals
Friends of the CSM Geology Museum
Geotreasures
Glory Design
Great Basin Minerals
Great Wall Consulting

Great Wall Mineral Museum
Hands of Spirit
Holguin Mexican Mineral
The Foothills Boxes
Houghton Estate Sales
Iteco Inc
J.K. Stone USA
Jeanne's Rock Shop
John E. Garsow Gems & Minerals
Johnny Got Rox
Lew Wackler
Lithographie, L.L.C.
Madagascar Imports SEAM
Malachite & Gems of Africa
Midwest Minerals
Minas Brazil Stones
Mineral & Fossil Supply
Mineral Spirits
Mines & Memories General Store
Morocco's Fossils & Minerals
Morocco Stones
New Era Gems
Owen Barrett Gems

Pinnacle 5 Minerals, L.L.C.
Pirtas de Navajun
Porter Minerals International
Prospector's Choice Minerals
Raj Minerals, Inc
Rhodo Co.
Rock Falls Designs
Rock Out!
Self-A-Ware Minerals
Starborn Creations, Inc.
T.G. Mining Group
The Strong Rock
Tibetan Souvenir
Top-Gem Minerals
Treasures of the Earth
Unconventional Lapidarist
Vibrational Medicine
Vicjon - Peru
World Circle
XTAL - Dennis Beals Minerals
Yuthok Tibetan Treasure
Zeolites India

www.mzexpos.com

Other Events of Interest to CSMS Members—continued

Fri.-Sun., April 24-26, Colorado (Spring) Mineral and Fossil Show, Ramada Plaza Hotel (formerly Holiday Inn - Central Denver), 4849 Bannock St, Denver, CO; 10-6 Fri. & Sat., 10-5 Sun.; see http://www.mzexpos.com/colorado_spring.html

Sat.-Sun., April 25-26, Mineral, Fossil, and Book Sale, Colorado School of Mines Geology Museum, 1310 Maple St., CSM campus, Golden; 9 a.m. – 4 p.m. All are welcome; “most prices will be reduced during the course of the event”.

Tues., Apr. 28, 10:30 a.m., USGS Rocky Mountain Science Seminar; **Colorado’s stratigraphy: Do all the pages fit into 8 chapters?**, by Bob Raynolds, Denver Museum of Nature and Science. Building 25 Auditorium, Denver Federal Center; all are welcome.

Wed., Apr. 29, 7:00 p.m., Dinosaur Ridge Evening Lecture, **Meat-Eating Dinosaurs**. “Join us for an evening lecture on theropods, meat-eating dinosaurs! Have you ever wondered about which of these awesome creatures lived in your backyard? Come on over this evening to see a presentation done by Erin LaCount on what theropods are and what we know about these critters! FREE! 7:00-8:30 p.m. at the Dinosaur Ridge Visitor Center (C470 and Alameda Parkway). Recommended for adults only (12 years and older)”.

Sat., May 2, 11:00 a.m. – 3:00 p.m., **Colorado Mineral Society Silent Auction**; Holy Shepherd Lutheran Church, 920 Kipling St., Lakewood. All are welcome. “There will also be a children’s auction, along with a live auction that will be held at 1:00pm. Door prizes and refreshments.”

Thurs., May 7, 7:00 p.m.: The Friends of the Colorado School of Mines Geology Museum “First Thursday” lecture series continues with **“Mineral Zoning in the Silverton Mining District”** by Dr. John Dreier. In the Geology Museum Conference Room (GRL 201), 1310 Maple Street, Golden, CO 80401. Socializing and munchies begin at 6:30 PM; the talk will start at 7:00. Admission is free and all are welcome.

Sat., May 9, 10 a.m. – 2 p.m., first **“Dinosaur Discovery Day”** of the year at Dinosaur Ridge, Morrison; also featuring Boy Scout Day. Guides are stationed all along the ridge to show and explain the fossils and geology, plus educational booths and activities by the Visitors Center. Walk up & down the ridge, or ride a tour bus for \$4. See www.dinoridge.org.

Sat., May 9, 12:00-3:00 p.m., **Friends of Mineralogy Silent Auction, Clements Community Center, Lakewood CO**, 1580 Yarrow St., 1 block west of Wadsworth and 1/2 block north of Colfax. Minerals, rocks, books, gems, etc. Live auction of high-quality donated items at about 1 p.m. Refreshments. All are welcome.

Sat.-Sun., May 9-10, Grand Junction Gem & Mineral Club, 68th Annual Gem Mineral, & Jewelry Show; Two Rivers Convention Center, Grand Junction.

Tues., May 12, 3:00 p.m., VIP Room, DMNS Earth Science Seminar, **“Early Earth vs. The origin of life”**, by Steve Mojzsis, U. of Colorado.

Thurs., May 14, 7:00 p.m., **FM Colorado Chapter bimonthly meeting**; speaker, Mandy Hutchinson, **“Carbonatites”**. Denver Museum of Nature & Science, VIP Room.

Sat.-Sun., May 16-17, Cheyenne, WY Mineral, Fossil, Gem & Rock Show, hosted by Cheyenne Mineral & Gem Society; Archer Complex – Building M, south of I-80 exit #370, 6 miles east of Cheyenne; 9-6 Sat., 10-4 Sun.

Thurs.-Sat., May 21-23, Geological Society of America, Rocky Mountain Section Meeting, Casper, WY.

Sun.-Wed, May 31-June 3, American Association of Petroleum Geologists Annual Meeting, Denver, CO.

2014 COLORADO SPRINGS MINERALOGICAL SOCIETY UNDERGRADUATE STUDENT RESEARCH GRANTS

Committee Chair: Mike Nelson
csrockguy@yahoo.com

The Colorado Springs Mineralogical Society (CSMS) was formed in 1936 by a small group of local mineral collectors with a vision *to promote and disseminate knowledge of the earth sciences, especially as they relate to mineralogy, lapidary, and fossils*. Since those early days the Society has grown in membership, sponsors a yearly Pikes Peak Gem and Mineral Show, holds monthly meetings with programs, publishes a monthly newsletter (*Pick & Pack*) and has an active array of field trips. The Society (WWW.CSMS.US) is a member of the Rocky Mountain Federation of Mineralogical Societies (WWW.RMFMS.ORG) and the American Federation of Mineralogical Societies (WWW.AMFED.ORG).

In 2014, CSMS started a new program, the Student Research Grant Program, to *promote and support original research on Colorado geology by undergraduate students*. The grant program does not seek to cover all of the researcher's expenses but instead is viewed as a **professional endorsement** of an original research project. Proposals are judged on the feasibility and scientific merit of the project as it relates to the advancement of the science of geology and its related branches within the State of Colorado.

CSMS announced the initial scholarship winners in May 2014 and I am now pleased to present results of their research. Two students from Ft. Lewis College in Durango, N. R. Salter and N. J. Dwyer, completed Senior Theses and have plans to submit such to geology professional journals. Therefore, thesis abstracts follows below. These abstracts may not be reproduced in any form without the express written permission from the authors. The authors MAY CHOOSE to share their complete results upon request—see email. N. R. Warren from the University of Colorado has submitted a more detailed article in lieu of a completed thesis as he continues to prepare a more technical article to a professional journal. This article appears in the March edition of the *Pick & Pack*.

Instructions for participating in the 2015 CSMS Award Program are outlined on the CSMS web site.

N. R. Salter: Investigation of Silver Concentrations in Galena and Tetrahedrite at the Highland Mary Mine, San Juan County, Colorado NRSALTER@fortlewis.edu

ABSTRACT: The Highland Mary mine of the Eureka Mining district in the western San Juan Mountains produced silver rich ore since the Colorado mining boom of the early 1870's. Galena and tetrahedrite were suspected to be the dominant silver-bearing minerals in the ore, but the concentrations of silver in the minerals was not constrained. Argentiferous galena was widely documented in the western San Juan Mountains, with minor silver occurring in tetrahedrite. Electron Microprobe geochemistry of galena and tetrahedrite demonstrates that tetrahedrite is the dominant silver-bearing species in ore at the Highland Mary mine. Galena has concentrations of silver of 0.01 to 0.03 wt. % while tetrahedrite contains from 0.02 to 13.4 wt. % silver. At the Highland Mary mine tetrahedrite is the more economic mineral, but many questions remain about the physical and chemical controls on the distribution of these argentiferous minerals in the region. This research reinforces the importance of establishing the metal concentrations in different mineral phases for both mineral exploration and development.

N. J. DWYER: Age Constraints on the Chicago Basin Stock, Needle Mountains Southwestern Colorado. NJDWYER@fortlewis.edu

ABSTRACT: The Chicago Basin stock (CBS) is a porphyritic granite hosted by Mesoproterozoic granite in the Needle Mountains of southwestern Colorado. Previous studies have interpreted the timing of emplacement as Oligocene or Miocene, and have documented extensive molybdenite mineralization of this stock.

New U/Pb analyses on zircons from a sample at the core of the CBS reveal three zircon populations. Some of the crystals analyzed are ~1.4 Ga xenocrystic zircons contributed by melting and incorporation of the adjacent Eolus Granite. The most abundant fraction of zircons yielded an age 28.09 ± 0.36 Ma while a smaller population defined an age of 9.1 ± 0.5 Ma. No distinct core to rim variations were determined in any of the zircons. The ~28

(Continued on page 6)

Ma emplacement corresponds to widespread regional magmatism and volcanism from 29-27 Ma related to caldera eruption. The ~9 Ma population of zircons is similar in age to fission-track zircon age previously recorded in the CBS. The Miocene zircons correspond to emplacement of small volume granitic stocks across the western San Juan Mountains some of which are also related to molybdenite mineralization. These data imply that the Chicago Basin stock was a site of at least two different events that either involved multiple generations magma emplacement or an Oligocene pluton overprinted by Miocene veins and hydrothermal alteration.

N. R. Warren: The Impact of the Decline in Predator Population on Microbialites of the Permo-Triassic Lykins Fm, Colorado. Nicholas.Warren@Colorado.EDU

Introduction: During the end of the Permian and the beginning of the Triassic periods (also known as P-T boundary) in Earth's history, one of the worst extinction events in the history of the world took place. Approximately 95% of life on Earth was terminated. At this time, the earth (biologically speaking) had reverted back to similar conditions of the Proterozoic eon when it was dominated by toxic gasses and the most complex organisms able to survive were small, single-celled bacteria. In particular, oxygenic photosynthetic bacterial (cyanobacteria) colonies, which were almost completely void of predators, were able to flourish in the newly transformed environment. As a result, there was an emergence of stromatolitic features in paleo-sabkhas during this time (stromatolites are microbially-induced sedimentary structures, also known as "microbialites"). The presence of these stromatolites is an indication of the lack of predators during this period in time, due to the relative youthfulness of the stromatolitic features.

Stromatolites are valuable tools to understanding various rock formations because they are able to tell a story about when and where they came from, as well as what sort of conditions they endured. By examining the re-appearance of the stromatolitic features within the geologic record from stromatolites found within the Lykins formation of the Colorado Front Range, more information about the geological history of the Lykins and its surrounding formations will be brought to the surface and further exploration can occur. As this locality's stromatolites have not been completely documented, the specific stromatolite phenotype, spacing, and orientation in the stratigraphy are still a mystery. By quantitatively analyzing the spatial characteristics of the stromatolites found in the Lykins formation and comparing them to ancient (Precambrian) stromatolites/modern day lab grown stromatolites, information regarding the age and conditions in which these stromatolites lived can be used for further examination of the Lykins formation.

JOE DORRIS' ICON POCKET PRESENTATION

by Frank Rosenberg

At our March Meeting, Joe Dorris, a long time member of CSMS, gave a very interesting presentation of his world record amazonite and smoky quartz Icon Pocket from his Smoky Hawk Claim. Joe, a retired US Air force officer, a fine artist, an accomplished author, and an experienced miner, is a featured participant in the Weather Channel reality program, The Prospectors. Joe gave us some behind the scenes views of the Icon Pocket discoveries as well as how a number of other pockets were discovered. Thank you, Joe, for a great presentation.



PIKES PEAK REGION'S ICONIC ROCKS

by Steven Wade Veatch

Steamboat Rock and Balanced Rock are well-known tourist attractions in the heart of the Garden of the Gods. These iconic rocks were once privately owned, but today they are part of Colorado Springs' famous city park.

Steamboat Rock once had steps carved into the rock that went to its top. Tourists eagerly climbed up to the observatory to view the beautiful geological wonders.

Balanced Rock, the 700-ton attraction, has—for millions years—withstood the inexorable forces of nature, including wind, cycles of freezing and thawing, earthquakes, and relentless erosion. Both scenic rocks are eroded sections of the Fountain Formation, a sandstone composed of unsorted sand and pebbles of many sizes that were washed down from the Ancestral Rocky Mountains.

The Fountain Formation began to form long before the dinosaurs roamed Colorado. A rapid mountain uplift, known as the Colorado Orogeny, began 300 million years ago that produced an ancestral range of Rocky Mountains. Rain and intense thunderstorms produced torrents of water with enough energy to move rock, ranging in size from tiny grains to large clasts. These eroded sediments—from the Ancestral Rockies nearby to the west—piled up at the base of these ancient mountains as gravels and formed the Fountain Formation. This rock unit, up to 4,500 feet thick, has a deep red color from the chemical alteration of iron minerals. The rock fragments in the Fountain Formation are angular indicating the fragments were not deposited far from their source.

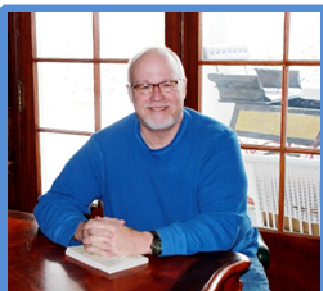
A number of the Garden of the God's landmarks, including Steamboat Rock and Balanced Rock, were shaped by erosion. Erosion continues today.



Figure 1. Early photograph of tourists visiting Balanced Rock (R) and Steamboat Rock (L). In this undated photo a man is enjoying the natural beauty of the area with three female companions in a horse-drawn buggy. Curt Goerke, a 14-year-old entrepreneur, began taking photos of tourists in front of the rocks in the 1890s, selling them each for 25 cents. Photo from the collection of S.W. Veatch.



Figure 2. This view of Steamboat Rock, on a postcard, was taken about 40 years later than the image in figure 1. Few changes are noted in the physical condition of Steamboat rock. A sign read, "Steamboat Rock Observatory. Use of the telescopes free to visitors. All welcome." Photo from the collection of S.W. Veatch.



About the author: Steven Veatch is a writer and geoscientist. His family came to the Cripple Creek and Victor Gold Mining District in the early 1890s where they mined for almost more than three decades. The other side of his family mined in the Caribou District in Boulder County, Colorado. Veatch lives next to the Florissant Fossil Beds National Monument

THE GRAVEL PIT

(a place to share miscellaneous information)

Colorado Springs Gem and Mineral Pre-Show Meeting: If you are interested in helping with the Colorado Springs Mineral Show (June 5-7, 2015), please plan to attend a meeting in the Senior Center lobby at 6:00 PM, on Thursday, April 16 (before the General Meeting.)

Colleagues Wanted: The DMNS Earth Science team seeks to grow its team. Two volunteer positions are available: 1) We're seeking people interested in conducting geological and paleontological research; M.S. in earth sciences or equivalent master's degree required, as well as interest in conducting fieldwork or labwork. 2) We're also looking for help make geological thin-sections; experience with art, mechanics, or a laboratory setting preferred. Details about the positions as well as instructions for applying are listed below. If additional questions, please contact James Hagadorn at jwhagadorn@dmns.org.

<http://www.dmns.org/join/volunteering/earth-sciences-citizen-scientist/>

<http://www.dmns.org/join/volunteering/earth-sciences-thin-section-technician/>

Meetup Group: A group has been started for folks interested in geology, rocks, minerals, gemstones, lapidary...basically folks with rocks in their heads (and pockets, in boxes in the garage, in the back yard, etc.) Our web address is: <http://www.meetup.com/Denver-Rocks>. Please join the group to get information about events of interest that are happening in the area. If you are planning an event—or know of an event of interest, please let us know so we can let everyone know about it.

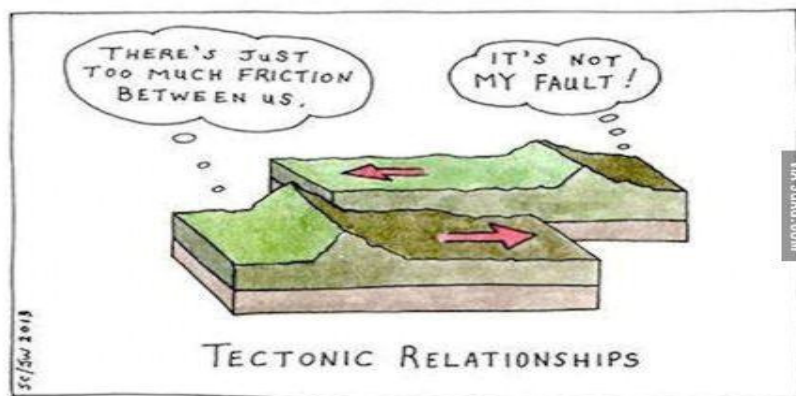
Mineral Collection Sell Out: Over 2,000 labeled specimens - Priced cheap and ready to sell out! Friday, April 17, 2015: 10am-8pm; Saturday, April 18, 2015: 9am-7pm; Sunday, April 19, 2015: 9am-7pm; 3925 E Wesley Ave, Denver, CO 80210, 757-319-1917 Light refreshments will be available (beverages and finger foods). Mention this Flyer/Email for an extra discount!

Large Collections dating back to the 1960's and the 1970's:

- * Ex-Collection of Larry Krause (1973-2001), Maryland
- * Ex-Collection of Buck Keller* (1971-2011), Maryland
- * Ex-Metropolis Family Fine Mineral Collection (1960-2010), New York
- * Ex-MZ Minerals, Virginia
- * Buck Keller's self-mined minerals (over 1,000 specimens available), including Nova Scotia, Virginia, Maryland, Pennsylvania, New York.

Some of what can be obtained:

- * Large amount of Illinois specimens - 1970's
- * Tsumeb specimens - 1970's
- * England specimens - 1970's
- * Michigan copper collection
- * Old Stock Brazilian Tourmalines
- * Namibian minerals
- * Chinese minerals
- * Mineral books
- * AND SO MUCH MORE!!!!!!!



IN MEMORIAM

by Joyce Price

John Harrington, a long time member of the Colorado Springs Mineralogical Society, passed away on March 8, 2015 at the age of 80. John was one of the founders of the Fossil Study Group and headed the group for many years. Though self-taught, John was extremely knowledgeable about fossils and thoroughly enjoyed our field trips and collecting. He will be missed by all.

The Club will purchase a book on fossils to be placed in the Club library in memory of John. Members of the Fossil Study Group will select the book.

2015 CSMS Officers

Mark Lemesany, President
Jean Miller-Luce, Vice President
Melanie Glascoe, Secretary
Ann Proctor, Treasurer
Lisa Kinder, Editor
Ariel Dickens, Membership Secretary
Doreen Schmidt, Member-at-Large
Yam Yamiolkowski, Member-at-Large
Roger Pittman, Past President

2015 CSMS Chairpersons

Kim & Bodie Packham, Show Chairs
Sharon Holte, Field Trip Director
TBD, Science Fair Chair
Frank & Ellie Rosenberg, Librarians
Georgia Woodworth, Social Committee
Ann Proctor, Store Keeper
Jackson Pierce, Webmaster

Sub-Group Responsibilities for Refreshments for General Assembly Meetings

Feb. Jewelry	Mar. Lapidary	Apr. Micromount
May Board	June Crystal	July Faceting
Aug. Picnic	Sept. Fossil	Oct. Jewelry
Nov. Lapidary	Dec. Christmas Party	

SECRETARY'S SPOT

by Melanie Glascoe

Minutes of the Colorado Springs Mineralogical Society General Meeting March 19, 2015

The meeting was called to Order at 7:00 PM, by Mark Lemesany – President / Followed by the Pledge of Allegiance.

Program for the Evening: The Icon Pocket / Smoky Hawk Claim, by Joe Dorris.

Other Business:

1. There was a discussion of upcoming field trips. Detailed information for all of these field trips and others as they are developed will appear on the CSMS Calendar. Please email Sharon Holte with any field trip suggestions at sharon-rocksco@gmail.com.
2. The minutes of the November General Meeting as they appeared in the February Pick&Pack were approved.
3. Group Announcements were made as usual. Important items of note were that the Lapidary equipment is now available for use at Frank and Ellie Rosenberg's house by appointment. Also we have a new Photography Group starting up. Contact Gary Del Valle by e-mail at gdv123@comcast.net if you are interested in joining the group.
4. An announcement was made and a moment of silence was had for the passing of John Harrington, founder of the Fossil Study Group and Lifetime member of CSMS. He passed on 3/3/15 at 80 years of age.
5. Name tags for CSMS members were printed by Lisa Kinder and provided for all members.
6. Ariel announced that the new membership directory would be coming out in April, 2015.
7. Mark announced an Ugly Rock Competition for April. Please list what the rock is and where it comes from.

The meeting was Adjourned at: 8:35 PM

SHARON HOLTE RECEIVES APPRECIATION AWARD

by Frank Rosenberg

At our March Meeting, President Mark Lemesany presented Sharon Holte with an Award of Appreciation for her work for the past three years. Sharon has served in a number of positions on our board of directors, has been editor of the Pick & Pack, and has jumped in and helped out when and wherever needed. Sharon is now serving as the Club's Field Trip Chair. Thank you Sharon.



CSMS FIELD TRIPS

It's the most wonderful time of the year! (No, the holidays are not here already!) After a cold snowy winter, it's time to dig out your picks, shovels, sunscreen, etc., and get ready to dig! A few field trips have been scheduled and Sharon Holte, our new Field Trip Director, is working on more. If you have suggestions or would like to lead a field trip, please contact Sharon at sharonrocksCO@gmail.com.

The following trips have been planned for May. For more information, please refer to the Event Calendar at www.csms.us. Click on the trip link for the specified day to view the trip overview and trip detail sheet.

Saturday, May 2: Fountain Creek Walk, Hanson Nature Park, Fountain Colorado—The field trip involves collecting various specimens in the stream bed area. New specimens appear each year after spring runoff and after any major river flow. Trip Leader: Ronald "Yam" Yamiolkoski.

Tuesday, May 5 - Saturday, May 9: Yellow Cat/Cisco and San Rafael Swell, Utah & Grand Junction Mineral Show and Grand Junction Area Collecting Field Trip, Grand Junction, Colorado—See below for a description of the various trips. Trip Leader: Marge Regel

- May 5th: Meet at the largest gas station on the west end of Green River, UT at 4:00PM to collect travertine at Crystal Geyser about 6 miles out of Green River.
- May 6th: Meet at the largest gas station on the west end of Green River, UT at 9:00AM to collect grape agate, calcite, selenite and celestine in the area of the San Rafael Swell (about 14 miles out of Green River).
- May 7th: Meet at the Yellowcat collecting area at the "big tire" at 9:00AM. To get there take Exit 193 (Yellowcat) off of I-70 in Utah and head SE on a good dirt road for about 7 miles. We will be looking for barite pseudomorphs, black/white petrified wood, red petrified wood (if we are lucky), and agate. FWD recommended if you plan to roam around much.
- May 8th: Meet in Grand Junction at the Super 8 Motel Parking Lot on Horizon Drive Exit at 9:00AM. We will be looking for barite calcite and siderite in the Grand Junction area.
- May 9th and 10th: Meet at Two Rivers Convention Center in downtown Grand Junction at 9:00AM to attend the Grand Junction Gem & Mineral Show. In the afternoon we can go back out to the field again, if anyone wants to.

If you plan to participate, please let Marg Regel know your name and phone number no later than April 26.

Saturday, May 9: Gold Prospectors of Colorado (Woody's Claim), Swissvale, CO—This is an opportunity for CSMS members to pan for gold with GPOC members on a proven claim. GPOC members will be there, so you will be able to see their techniques and learn a few helpful hints from them. Four wheel drive or high clearance two-wheel drive vehicle. Trip Leaders: Ronald "Yam" Yamiolkoski and Ben Higley.



Our Staff...

Lisa Kinder—Editor

We encourage everyone to submit articles, photos, illustrations or observations.

Share your experiences, your new finds, or simply your experience at our last field trip.

Handwrite it, type it, or email it. Format does not matter. All submissions are welcomed. The DEADLINE for items to be included in the next Pick & Pack, is the **21st of the month**

To submit an item:

For hardcopy photos or articles, mail to the address below or bring them to the General 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. Articles are preferred in word. Editors will correct font.

E-Mail to:

csmseeditor@hotmail.com

Mail to:

Pick & Pack Editor

PO Box 2

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The PICK&PACK is published ten (10) times per year (no issues in January or August). Unless otherwise marked, materials from this publication may be reprinted. Please give credit to the author and CSMS

CSMS

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are available for sale.

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The Colorado Mineral Society's

Mineral Auction

Saturday - May 2, 2015

Come and bid on minerals, fossils, faceted stones, lapidary pieces, books, jewelry, and florescent minerals—all reasonably priced! The auction will be held at Holy Shepard Lutheran Church at 920 Kipling Street, Lakewood, CO 80215, from 11:00 AM to 3:00 PM. Checkout begins at 3:00 PM

There will also be a children's auction, along with a live auction that will be held at 1:00 PM. In addition, there will be great door prizes and refreshments! We are handicapped accessible.

Questions about the auction should be directed to Howard Houk at 303-237-7072 or by email at jhouk@msn.com.

To register for your Buyer and Seller letters please call Leslie Osgood at 303-986-4488

Sellers can get extra copies of bidding slips at http://www.coloradomineralsociety.org/Silent_Auction_form.pdf. Our auction committee reserves the right to screen materials sold and to limit sales to three flats of materials.

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CSMS is an incorporated nonprofit organization with these goals:

To promote and disseminate knowledge of the earth sciences, especially as they relate to mineralogy, lapidary, and fossils.

To encourage study, collection, and fashioning of minerals.

To accomplish the same through social meetings, lectures, programs, displays, shows, and field trips.

The Pick & Pack is published 10 times each year to assist and promote the above.

Joining the Colorado Springs Mineralogical Society (CSMS):

Meetings are held the **third (3rd) Thursday of each month**, except January & August, **7:00 p.m.** at the Colorado Springs Senior Center, 1514 North Hancock Ave., 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, check out the calendars on page 2 and the web site.

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 the web site.

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

CSMS is a Member of the following organizations:

American Federation of Mineralogical Societies (AFMS)

www.amfed.org

Rocky Mountain Federation of Mineralogical Societies (RMFMS)

www.rmfmts.org