



THE BULLETIN OF THE COLORADO SPRINGS MINERALOGICAL SOCIETY Published Since 1960

Colorado Springs
Mineralogical Society
Founded in 1936

Lazard Cahn
Honorary President

November 2018

PICK&PACK

Vol 58.... Number #9

CSMS General Assembly

Thursday, November 15, 7:00 PM

Speaker: Jenna Salvat

Topic: The Manson Impact Structure

**Please note: Members whose last names begin with A—L
are responsible for refreshments in November**

****In case of inclement weather, please call****

Mt. Carmel Veteran's Service Center 719 309-4714

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November Program Details

The Manson Impact Structure

by Jenna Salvat

Jenna Salvat, a teen Pebble Pup, or Earth Science Scholar, will discuss the Manson Impact Structure and will begin by providing a context of the geographic location (Iowa) of the Manson Impact Structure. Jenna will talk about the individual lithologies that are contained within the structure and provide some history on the investigations that occurred to gain a scientific insight about the crater. Jenna will talk about important geochemical signatures that indicate that this structure is indeed the result of a meteor impact. She will show planar deformation features found within quartz grains that also hint at the impact origin of the crater (Jenna will include exciting video footage of the undulating extinctions of the quartz grains in thin section). Jenna's presentation will conclude with the activity that happened after the impact such as some hydrothermal activity and the glacial movement and deposition of till on the impact structure. This is a presentation not to be missed.

Speaker bio: Jenna started in third grade (10 years ago) as a CSMS Pebble Pup. She is now a senior at Coronado High School. Jenna is noted for her participation and awards in the local, state, national and international science fairs. Jenna is focused on which university to attend after she graduates from high school.

CSMS Calendar

November & December 2018

Thu., **Nov. 1, Dec. 6** — **Board Meeting**, 7p.m., Pikes Peak United Methodist Church

Tue., **Nov. 6, Dec. 4** — **Fossil Group**, 7p.m., Methodist Church, Jerry Suchan, 303 648-3410

Thu., **Nov. 15, Dec. 20** — **Pebble Pups & Jrs**, 5:30p.m., Mt. Carmel Ctr., Steve Veatch, 719 748-5010

Thu., **Nov. 15, Dec. 20** — **General Assembly**, 7p.m., Mt. Carmel Center

Thu., **Nov. No Mtg, Dec. 27** — **Crystal Group**, 7p.m., Rosenberg's, Kevin Witte, 719 638-7919

Thu., **Nov. No Mtg, Dec. 27** — **Faceting Group** 7p.m., TBA John Massie, 719 338-4276

Note: The Micromount Group is not meeting at this time. If you are interested in meeting, please call Dave Olsen, 719 495-8720

Appointment Only—**Jewelry Group**, Bill Arnson, 719 337-8070

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

For more information on any of the sub-groups, meetings, and other CSMS valuable information, go to our website, csms1936.com

Upcoming Events of Interest to CSMS Members

Submitted by Pete Modreski

Fri., Nov. 9, Colorado Science Conference for Professional Development. Held at the Denver Mart, 451 E. 58th Ave., Denver; for all science educators. For full information and registration website see <http://coloradoscienceconference.org/>.

Nov. 10-11, 39th annual New Mexico Mineral Symposium, at New Mexico Institute of Mining & Technology, Socorro, NM; see <https://geoinfo.nmt.edu/museum/minsymp/home.cfm>

Wed., Nov. 14, 7:30 p.m., Friends of Mineralogy, Colorado Chapter bimonthly meeting; **"Still Crazy (about Franklin) after all these years: The minerals of Franklin and Sterling Hill, New Jersey"**, by Carl (Bob) Carnein. Lakeview Event Center, 7864 W. Jewell Ave., Lakewood CO; all welcome.

Thurs., Nov. 15, 3:00 p.m., Denver Museum of Nature & Science, Earth Science Colloquium, Mammals Inherit the Earth: How the K/Pg Mass Extinction Killed off Dinosaurs and Opened the Way for Mammals, by Greg Wilson, University of Washington. VIP Room, 3–4 p.m. Museum admission not required. See <http://www.dmns.org/science/research/earth-sciences/> for the schedule of DMNS Colloquia for the rest of the year. Coming talks:

Mon., Dec. 3, The Improbable Fossil Record of Jellyfish and Their Kin, by Graham Young, Manitoba Museum. VIP Room, 3–4 p.m.

Thurs. Nov. 15, 7:00 p.m., Colorado Scientific Society November meeting, topic TBA. Shepherd of the Hills Church, 11500 W. 20th Ave., Lakewood.

Nov. 16-18, Denver Area Mineral Dealers Show, Jefferson County Fairgrounds, Golden CO. Free admission, public welcome.

For more lecture series during the year see:

Colorado Beer Talks (2nd Tuesday, 6-8 p.m.), Windy Saddle Café, 1110 Washington Avenue, Golden, "Golden's grassroots version of TED talks, Expand your mind with a beer in your hand", <http://goldenbeertalks.org/>

Colorado Café Scientifique in Denver, monthly lectures on science topics held either at Blake Street Station or Brooklyn's, Denver; open to the public, no charge other than refreshments you may choose to purchase; see <http://cafescicolorado.org/>

Colorado Scientific Society (3rd Thursday, 7 p.m.), see <http://coloscisoc.org/>. Meets at Shepherd of the Hills

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Church, 11500 W. 20th Ave., Lakewood CO, except when noted.

CU Geological Science Colloquium (Wednesdays, 4 p.m.) see <http://www.colorado.edu/geologicalsciences/colloquium>

CSU Dept. of Geoscience Seminars (Fridays, 4 p.m.), see <https://warnercnr.colostate.edu/geosciences/geosciences-seminar-series/>

Van Tuyl Lecture Series, Colorado School of Mines, (Thursdays, 4 p.m.): <https://geology.mines.edu/events-calendar/lectures/>

Denver Mining Club (Mondays, 11:30), see <http://www.denverminingclub.org/>

Denver Museum of Nature and Science, Earth Science Colloquium series, 3:00-4:00 p.m., VIP Room unless noted, day of the week varies. Museum admission is not required; see <http://www.dmns.org/science/research/earth-sciences/>

Denver Region Exploration Geologists Society (DREGS; 1st Monday, 7 p.m.), <http://www.dregs.org/index.html>

Florissant Scientific Society (FSS); meets monthly in various Front Range locations for a lecture or field trip; meeting locations vary, normally on Sundays at noon; all interested persons are welcome to attend the meetings and trips; see <http://www.fss-co.org/> for details and schedules.

Nerd Night Denver is a theater-style evening featuring usually 3 short (20-minute) TED-style talks on science or related topics; held more-or-less monthly at the Oriental Theater, 4335 W. 44th Ave., Denver; drinks are available; for ages 18+. Admission is \$6 online in advance, \$10 at the door. See <https://www.nerdnitedenver.com/>

Rocky Mountain Map Society (RMMS; Denver Public Library, Gates Room, 3rd Tuesday, 5:30 p.m.), <http://rmmaps.org/>

Western Interior Paleontology Society (WIPS; Denver Museum of Nature & Science, 2nd Monday, 7 p.m.), <http://westernpaleo.org/>. Meetings are held either in the Ricketson Auditorium or the Planetarium at the Denver Museum of Nature & Science, unless otherwise noted.

Prepared by Pete Modreski, U.S. Geological Survey, pmodreski@usgs.gov, 303-202-4766

Note to CSMS Membership

At the last General Assembly, we chose "Specimens of Colorado" for the 2019 Show theme. I would like to ask the membership for photos of Colorado specimens that they have or have found (this includes minerals and fossils.)

I would choose some of the photos to use to market the show (cards, websites, flyers, etc.)

Please send the photos to ppgmjshow@gmail.com.

Thank you,

Lisa



Received from Mark Jacobson 10/30/2018. Keep them coming!

TRILLING CRANES, TURKEY FAT, AND SMITHSONITE

Mike Nelson csrockguy@yahoo.com



Nary a leaf has left the tree. Calm and quiet.

*How silently they tumble down
And come to rest upon the ground
To lay a carpet, rich and rare,
Beneath the trees without a care,
Content to sleep, their work well done,
Colors gleaming in the sun.*

*At other times, they wildly fly
Until they nearly reach the sky.
Twisting, turning through the air
Till all the trees stand stark and bare.
Exhausted, drop to earth below
To wait, like children, for The snow.
- Elsie N. Brady, Leaves*

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A day later the wind came up, it snowed on the peaks and down came the leaves.

Fall is here, and Thanksgiving is soon approaching, and that magic day will appear next month (November) on the 4th Thursday. This holiday is one of my favorites if celebrated as first intended—a harvest festival, and not as a commercial gift buying frenzy. I enjoy the days between mid-September until Thanksgiving because of the *smells* (it is almost olfactory overload), and the *sights* and the *sounds*-- those associated with nature. Virtually every smell this time of year reminds me of my childhood—burning leaves (if only I could start a small fire), baking pies (I love mincemeat), scalloped oysters, baked winter squash with brown sugar, roasted apples (with cinnamon candies in the hollowed core), apple cider, scalloped rutabaga and many other things (but not pumpkin pie). If that is not enough there is always the sight of colored leaves, light frost on the plants, pumpkins in the field, snow on the high peaks, and in my youth the shocks of feed (although I hated the cockleburs when stacking) with hiding pheasants. Add to this fall smorgasbord our *hearing* the calls of nature beyond the city---sounds such as trilling cranes and honking geese several hundred feet in the air and the bugling of bull elk hunting female friends. Whatever, fall is a wonderful season, especially for elderly men trying to make that connection to our long-lost youth.

*The wild gander leads his flock through the cool night,
Ya-honk! he says, and sounds it down to me like an invitation:
The pert may suppose it meaningless, but I listen closer,
I find its purpose and place up there toward the November sky.*
- Walt Whitman, Leaves of Grass, 1855

But, back to Thanksgiving, that magic moment that signals the close of fall. I am not a big fan of baked turkey, or any other renditions of “left-over” bird. However, baked turkey reminds me of a trip to Arkansas many years ago and learning about turkey fat. Yep, as in turkey fat ore!

Turkey fat ore is an old, but common, name for a variety of the zinc carbonate, smithsonite (ZnCO_3). Originally the name was applied to botryoidal and globular smithsonite colored various shades of yellow by traces of cadmium (Cd)—see below (Fig. 1). The “yellow globs” reminded early miners of turkey fat (the real stuff). Later in mining life the turkey fat name was also applied to botryoidal smithsonite without the color: “The Cd content may not be necessary for the material at hand to be termed “Turkey-Fat Ore” (Mindat.org). In addition, a couple (maybe others) of mines (Philadelphia and Monte Cristo) in the Rush Creek Mining District in Marion County, Arkansas, started producing yellow smithsonite replacing and/or coating well-formed, curved and saddle-shaped dolomite crystals and the name turkey fat ore was applied to this material. Many Arkansas specimens of turkey fat ore also display sphalerite (ZnS), the primary sulfide precursor, and secondary quartz and calcite.

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Fig. 1. Yellow, cadmium-rich smithsonite crystals have pseudomorphed, or replaced, earlier formed curved, saddle-shaped dolomite crystals. There are also very tiny crystals of quartz (Q: evidently secondary). Width of photo ~1.6 cm. The perimeter of the photo is a Styrofoam background.

The Rush Creek Mining District is in northern Arkansas in the Ozark Plateaus Physiographic Province. The Arkansas Geological Survey (2017) noted that the northern Arkansas area has been of commercial importance for production of lead (galena) and zinc (sphalerite, smithsonite and hemimorphite—zinc silicate). The zinc and lead minerals are present in Paleozoic carbonates and chert beds. Zinc has always been secondary to lead mining but does have a long history in northern Arkansas—1857 to ~1962 with peak production during World War I.

The mineral sphalerite (Fig.2), a zinc sulfide usually containing various amounts of iron, is the primary source mineral (hypogene) for about all oxidized (secondary or supergene) zinc minerals such as smithsonite and hemimorphite. The exception to this statement is the zinc ore at the very geologically unique deposits at Sterling Hill and Franklin, New Jersey. That place is a story for another day.



Fig. 2. Primary sphalerite, width ~1.2 cm., collected from Mattie May Mine.

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The original sphalerite formed in the absence of oxygen in a reducing environment. When percolating and oxygenated water, often helped along by oxidized pyrite producing sulfuric acid, reached the sphalerite it became unstable and broke down (oxidized). When these acidic host rock dolomite, the carbonate times, the original dolomite was instances, such as at Rush Creek, (Figs. 3-4) were replaced by while retaining the original

waters, rich in zinc, reached the smithsonite was deposited. At completely dissolved. In a few the original dolomite crystals smithsonite (pseudomorphs) shape.



Fig. 3. Saddle-shaped and curved dolomite crystals that are accentuated by iron staining. Specimen width ~5.5 cm. The white globs are calcite. Specimen collected from Mattie May Mine in the Rush Creek Mining District.



Fig. 4. Photomicrograph of above specimen. Note curved crystals.

Cadmium is a common trace element in sphalerite and therefore is available to add the yellow color to smithsonite at Rush Creek---I think! However, some noted mineralogists believe the color of turkey fat ore is caused by a mixture of cadmium

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and greenockite (CdS). In fact, Robert Lavinsky, in describing a specimen on MimDat, stated: *The colour of your specimen is caused by greenockite inclusions, i.e. it is a mixture of smithsonite and greenockite, but NOT a cadmium smithsonite. Unfortunately, the term "cadmium smithsonite" is widely applied to these materials in the mineral market. Nevertheless, this is totally wrong.* OK, the coloring is due to some sort of available cadmium.

At any rate, the pseudomorphs from Rush Creek, and the turkey fat ore, are recognized by rockhounds everywhere.

Another little tidbit of trivia. The November full moon will occur on November 23, 2018 and is known as the Beaver Moon (last chance to trap beavers) or the Full Frost Moon (here comes winter). At Thanksgiving on the 22nd the moon will be essentially full and very bright—what a wonderful way to celebrate the evening. The Hunter's Moon will appear on October 24, 2018 and will be in the sky from sunset to sunrise. This was the time to "lay in" game or domestic animals since the cool weather helped prevent immediate spoiling of the meat. I am writing this little manuscript on September 22, the fall equinox, while experiencing the smells, sights and sounds of the Wasatch mountains in Utah. In two days, I look forward to seeing the Harvest Moon, the full moon that appears closest to the Autumnal Equinox (September 22, 2018).

Brad's Bench Tips for November

SMALL PARTS CONTAINERS

I'm always on the lookout for small containers to use for holding all those little parts and tools we deal with in making jewelry, especially since I'm always traveling to classes and workshops.

My latest find are some plastic vials about 15 mm in diameter and 75 mm long. Best part is they are free. The vials are used in the doctor's office to draw blood samples. They cannot be used after their expiration date, and are thrown out. On my last doctors visit, I asked the nurse if they had any expired vials. She replied "How many do you want?" and tried to give me 400 of them. (We settled on 200).

The ones I have are called "Vacutainers", but there are probably many other names. They are clear plastic with a rubber stopper and a paper label all ready to write on. I find them really handy for small parts like jump rings, prong settings, small drills, nuts & bolts, faceted stones, and precious metal filings.



Learn New Jewelry Skills With Brad's "How To Do It" Books
[Amazon.com/author/bradfordsmith](https://www.amazon.com/author/bradfordsmith)

The Mystery of Genevieve:

The Golden Dinosaur from the Depths of the London Mine

Steven Wade Veatch

and

Teresa L. Stoiber

The legend of “Genevieve,” a fossilized dinosaur not only made of stone—but also of gold—began on July 3, 1932. That was the day W. K. Jewett, owner of the London Mine near Alma, Colorado, stopped at the Antlers Hotel in Colorado Springs and made the official announcement of its unearthing. The story was picked up by the news services, and word of the fantastic find spread through the scientific world like a prairie fire.

The golden dinosaur was discovered by William White, 700 feet (213 m) underground—deep in the London Mine (W. K. Jewett, 1932). Curiously, the miners had been using the creature’s nose as a lamp holder, not realizing there was a “dinosaur” (if that is what it was) there. White, a hard rock miner, believed at first he was looking at two stumps. In reality, it was a dinosaur lying on its back with its limbs at an angle of 75 degrees. Eager to retrieve it from its rocky tomb, miners blasted it out of rock at the 700-foot level of the London Mine with dynamite. The explosion shattered the specimen. Bits and pieces of the dinosaur were hoisted to the surface, where curious crowds gathered to see the prehistoric monster.

As the story goes, a geology professor at Colorado College, Robert Landon, traveled to Alma so he could examine Genevieve—an extraordinary record of a former world. The measurements he made revealed that the animal was 18 feet (5.4 m) long and 6.5 feet (2 m) high (W. K. Jewett, 1932). The creature had a long neck that supported a small head. It also had a long tail.



Fig. 1. The only known photo of Genevieve taken in the basement of Cutler Hall, Colorado College. Photo credit: *Colorado College Tiger*, August 12, 1932. Page 3. Courtesy of Colorado College Tutt Library, Special Collections.

Jewett, who gave to the city of Colorado Springs the Patty Jewett golf course, presented the dinosaur to the Colorado College museum (Skeleton of Dinosaur, 1932). The 16-ton (14.5 metric ton) dinosaur reached Colorado College by truck, where a crew of men carefully carried it to the basement of Cutler Hall. College technicians spent countless hours in the basement, where they enthusiastically cemented together what the newspapers hailed as the rarest find ever made in paleontology (Genevieve, Colleges Latest Acquisition Now Ready to Receive Callers, 1932). After the repair of the fossil dinosaur, it was moved to Colorado College’s museum and put on display (Will Bring Dinosaur Here Late this Week, 1932).

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There is a real mystery that surrounds this dinosaur. In the 1960s, the museum closed and Genevieve's display was removed. No one seems to know what happened to this specimen. Was Genevieve smelted down, put in the basement archives and forgotten, or taken to a professor's house for a private collection? The mystery of her disappearance still stands to this day.

Three critical questions must now be answered: Was Genevieve a dinosaur, where did she go, and was she really made of gold? The past would not easily give up these secrets, including unfortunately, the origin of its lovely name.

An article, from Greely, Colorado's *Tribune-Republican*, dated July 2, 1932, stated the dinosaur remains were made known to Mr. Jesse Figgins, Director of the Colorado Museum of Natural History (noted for work on the famous Folsom archaeological site in New Mexico), who said this unusual dinosaur fossil must be the remains of a marine reptile. Nowhere in the article does it report that Genevieve was made of gold—but it does state that she was shattered when dynamited out of the mine, and that restoration wasn't expected to take long.

When asked about Genevieve, Colorado College archivist Jessy Randall said she had been questioned about her before. The last time was in 2004, when Professor Emeritus Bill Fischer, the former chair of the geology department, was still alive. Fischer gave this response:

"The one man who would have had the answers, Professor Bob Landon, died in 1995, and all of the people associated with the college museum are also deceased. . . I never heard of the specimen during my 50-year association with the school, and I suspect that it really was never installed in the museum and that the college newspaper account that 'it was resting on a pedestal in the museum' is totally false. From the photograph, one can see that with 16 tons of matrix and bone it would have taken months if not years to prepare the specimen for display. Now for a few thoughts as to the fossil itself. First of all, it is not a dinosaur and probably not a rhynchocephalian reptile. The photograph is of very poor quality, but my best guess is that it may have been a Phytosaur—but regardless of the correct identification it was a very valuable find, and I am sorry if it ended up in a smelter. . . Good luck in your search and sorry I couldn't be of more assistance". Signed: Bill Fischer.

Sadly, it looks like Genevieve's case has gone cold. The museum has long been closed, and those associated with the museum are deceased. It is doubtful that she was made of gold—but she was found in a gold mine, the source of a good rumor and the basis for a great story surrounding her mysterious existence and disappearance.

Although Genevieve remains a mystery, this article has dug up and weaves together most of what is known and speculated about her. Although her real story has been buried with the museum workers and gold miners who have passed away, there are still a few miners who, while relaxing at a local saloon, fondly ponder the puzzle of Genevieve. They raise their shot glasses and make this toast to the miners who found Genevieve, the golden dinosaur: "May you always stand on ore and your labors be in vein."

Acknowledgments

The authors thank Danny Alfrey for bringing Genevieve to our attention back in 2011. We also appreciate Ben Elick's help in obtaining the photograph of this mysterious fossil.

References

Find Skeleton of Dinosaur in Ore of London Mine. (1932, July 2). *Colorado Springs Gazette*, p. 2.

Genevieve, Colleges Latest Acquisition Now Ready to Receive Callers. Made Presentable by Profs. (1932, August 12). *Colorado College Tigers*

W. K. Jewett Gives Skeleton of Prehistoric Animal to Colo. College Museum. (1932, July 3). *Colorado Springs Gazette*, p. 2.

Will Bring Dinosaur Here Late this Week. (1932, July 6,). *Colorado Springs Gazette*, p. 5

PEBBLE PUPS CORNER



CSMS Pebble Pups & Junior Group

The Junior Group & Pebble Pups meet at the Senior Center every third Thursday at 5:30 PM until 6:15 PM or so. We only meet during the academic year, and we include January. So, it is Sept through May.

Special announcements and field trips are noted on our blog:

<http://pebblepups.blogspot.com>

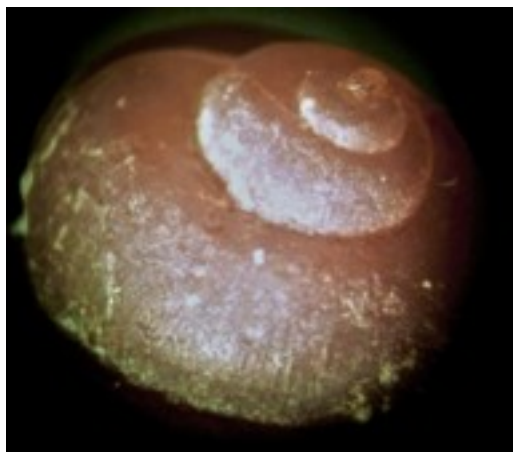
and through the CSMS website:

<http://www.csms1936.com>

The Jurassic Snail

By Steven Wade Veatch

The sunrise greets
a winding stream
as rushing sands bury
a Jurassic snail
in a primeval pool.
The start of a fossil,
It lasts to tell its tale.



This Jurassic snail is assigned to the species *Valvata scabrida* and lived in a freshwater pond or lake about 165 million years ago. Microphotograph by S.W.Veatch.

2018 CSMS Officers

Sharon Holte, President

Randy Hurley, Vice-President

Open, Secretary

Ann Proctor, Treasurer

Adelaide Bahr, Membership Secretary

Larry Jones, Editor

John Massie, Member-at-Large

Laurann Briding, Member-at-Large

Ernie Hanlon, Past President

2018 CSMS Chairpersons

Randy Hurley, Program Coordinator,

Mike Webb, Field Trip Co Coordinator

Ernie Hanlon, Field Trip Co Coordinator

TBD, Science Fair Chair

Frank & Ellie Rosenberg, Librarians

Mark Schultz Social Committee Chair

Ann Proctor, Store Keeper

Michael Kosc, Webmaster

Lisa Kinder, Facebook Keeper

Mike Nelson, Federation Representative

TBD, Federation Representative

SECRETARY'S SPOT by Sharon Holte

General Meeting Minutes for the
Colorado Springs Mineralogical
Society — 10/18/2018

CSMS General Assembly Meeting, October 18, 2018

The meeting was called to order by our President, Sharon Holte at 7:07 p.m.; followed by the Pledge of Allegiance.

Writing awards from the RMFMS were handed out by our Vice-President, Randy Hurley to Steve Veatch, Oscar Price, Mike Nelson and Kevin Witte. Steve Veatch handed out awards to Jenna Salvat, Blake Reher and Susan Freeman and Gavin Driskill.

Steve Veatch gave a wonderful presentation on "The Greater Alma Mining District: A Colorado Mining Legend". Several members volunteered pictures they have in their personnel collections to be added to the program.

Three guests and one new member, the MacCue family were introduced. Before the break, Sharon called for nominations for the CSMS Rock Hound of the Year. Four were received.

Sharon called for a 20 minute social break. During the break five mineral specimens were given out to the lucky winners of the drawing. We had about 43 people present to start the meeting.

A motion was made and passed to approve the September General Assembly Meeting minutes as posted in the Pick & Pack.

The **BOARD still needs a secretary!!! Oh, Please!!!**

President's Report: Sharon Holte: We are almost caught up on the Calendar of Deadlines.

We have nominations for: President: Sharon Holte; Vice-president: John Massie; Treasurer: Ann Proctor; Membership Secretary: Adelaide Bahr; and Member-at-Large; Laurann Briding. **We still need an Editor, a Secretary and one Member-at-Large.**

Vice Presidents report: Speakers, the Cardwells cannot speak. Jenna Salvat will substitute, speaking on a "Manson Impact Structure: Geology and Geochemistry."

Treasurer report: no report.

Secretary's report: Sharon presented a change in the By-Laws: Awards and Scholarships changed to read :Awards, Grants and Scholarships

- Awards – An award is a *certificate* given to a person or a group of people, in recognition of their excellence in a field relating to Rockhounding or the field of Geology
- Grants – A grant is a *certificate and/or monetary award* given to a person or a group of people who have done an outstanding job and is in recognition of their excellence in a field relating to Rockhounding or the field of Geology, such as a Pebble Pup who has taken many awards at the Science Fair
- Scholarships – A scholarship is a *certificate and/or a monetary award* given to a person to further their education in the field of geol-

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2018 Satellite Group Chairpersons

Crystal, Kevin Witte/Bob Germano

Faceting, John Massie/Doreen Schmidt

Fossil, Jerry Suchan/Joyce Price

Jewelry, Bill Arnson

Lapidary, Sharon, Holte

Pebble Pups, Steven Veatch/
Betty Marchant

2018 CSMS Liaisons

Florissant Fossil Beds
National Monument, Steven Veatch

Western Museum of
Mining & Industry, Steve Veatch

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ogy, such as the internship at the Florissant Fossil Beds National Monument or study at a college or university majoring in earth sciences

- Certificates are given to the Pebble Pups and Earth Science Scholars to add to their portfolios. This gives them a list of accomplishments to use in building a resume
- moved and passed with amendments
- Presented to the membership in September

These changes are needed to be more in alignment with what the society is currently doing. A motion was made, seconded and passed. The changes were approved.

Member-at-Large: John Massie asked for suggestions for the Christmas Dinner Menu. After much discussion, a motion was made and passed to have baked Turkey and Ham prepared by a deli at a grocery store.

Website update: Lisa Kinder said that she will get with a member from the Lake George Gem and Mineral Club to look at what they have for a member's only section.

CSMS Show Update: by Lisa Kinder. Lisa thanked everyone who volunteered for all their hard work. We had 700 attendees, 243 more than last year. It was felt that people distributing flyers really helped. She will look at the questionnaires which were filled out by attendees and do a count on where attendees heard about the show. In addition, putting the show information on Facebook helped get the word out. Ann Proctor and Lisa are still working on the final figures. We did have more expenses this year including \$1,000.00 for the stipend to Francisco Sotomayor for showing the "American Woman." Vendor fees have been raised to cover the cost of the venue and will be raised again. Several minerals were proposed for the mineral theme for next year: "Colorado Specimens" won the nomination.

The satellite groups reports: Crystal Group - the next meeting will feature "Cleaning Minerals"; Faceting Group is still meeting a Bea Medina's house; Fossil Group will finish the presentation from last month, Florissant Fossil Beds Formation"; Field Trips to the Sedalia and the Calumet Iron Mine were excellent. The new owners of the Sedalia Copper Mine have graded the road up the mountain. A new pocket of very small not well developed garnets was exposed. Many of the club members shared in opening the pocket and had great fun extracting the garnets. In addition, a pocket of garnets was found in the dirt that was pushed to the side. Mike Webb and Billy and Debra Bell were able to take the Calumet Mine field trip up the road and across on the mine access enabling us to walk across the mountain rather than climb the scree slope. Many thanks to Mike Webb and Billy and Debra Bell for all their hard work in putting together the field trips this year!

Mike Nelson was our representative to the Rock Mountain Federation on Mineral Societies in Rapid City, South Dakota. He said his report will be in the November Pick & Pack.

Respectfully submitted by Sharon Holte, acting secretary

Please review the following information for inclusion in our bylaws this year.

RMFMS/AFMS Rock Hound of the Year Award

ACROY is an opportunity to recognize a person (or couple) and a junior member from each rock club who is worthy of recognition for their tireless dedication to the hobby as an active volunteer and club member.

Criteria for selection:

Active member in good standing who strongly represents club goals.

Volunteer: field trips, educator, sub group leader, refreshments

Participant: helps on field trips - set up/take down at June show,
or other hands on positions at show or meetings,

Leadership: Board of directors, sub group leaders,

Method of selection:

Adult:

Membership submits ballots in October at the General Assembly

Board counts ballots at November Board meeting. Top three move on.

Membership votes at November General assembly for the finalist.

Pick & Pack Editor submits winner's name to the RMFMS and the AFMS

Junior:

Pebble Pup Chairperson develops criteria and selects a finalist

Board receives nomination and votes to accept or deny the nomination

Pebble Pups Chairperson submits winner's name to the RMFMS and AFMS

Our Staff...

Larry Jones—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 **20th 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. Editor will correct font.

E-Mail to:

csmseditor@hotmail.com

Mail to:

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

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 PICK&PACK.

CSMS

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are available for sale.

If you celebrated a CSMS anniversary in 2016 or 2017, you are eligible for your one year pin award

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Ann Proctor

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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 Mt. Carmel Center of Excellence, 530 Communication Circle, Colorado Springs, CO 80905. (Starting (9/21/2017) **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.csms1936.com

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