



**Colorado Springs
Mineralogical Society**
Founded in 1936
 Lazard Cahn
 Honorary President
 April 2020
 "Pick & Pack"
 Vol 60 Number 3

CSMS General Assembly
 Thursday, April 16 2020, 7:00 PM
 Mt. Carmel Veterans Center

CANCELED

Please note: Members whose names begin with A-L are responsible for refreshments in April

In case of inclement weather please call Mt. Carmel Veteran's Service Center 719-309-4714

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Upcoming CSMS Events

ALL CSMS activities are CANCELED until further notice

General Assembly Meeting	CANCELED	April '20
Pebble Pup Meeting	CANCELED	April '20
Crystal Club Meeting	CANCELED	April '20
Board Meeting	CANCELED	April '20
Fossil Club Meeting	CANCELED	April '20
Faceting Club Meeting	CANCELED	April '20

CSMS Calendar

April and May 2020

April	May						
04/07/20	05/05/20	Fossil Group	1st Tues	7:00 PM	Pikes Peak United Methodist Church	Jerry Suchan	303-648-3410
04/02/20	05/07/20	Board Meeting	1st Thur	7:00 PM	Pikes Peak United Methodist Church	John Massie	719-338-4276
		See session online	3rd Thur	5:30 PM	Mt. Carmel Center	Steve Veatch	719-213-1475
04/16/20	05/21/20	General Assy Meeting	3rd Thur	7:00 PM	Mt. Carmel Center	John Massie	719-338-4276
04/23/20	05/28/20	Crystal Group	4th Thur	7:00 PM	Mt. Carmel Center	Kevin Witte	719-638-7919
04/23/20	05/28/20	Faceting Group	4th Thur	7:00 PM	Berta's House	John Massie	719-338-4276
by appt	by appt	Lapidary Group	by appt	by appt	Sharon's House	Sharon Holte	719-217-5683

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

Upcoming Community Events (Submitted by Pete Modreski)

SUSPENDED Thurs, Apr 2, 4:00 PM: Van Tuyl Lecture Series, Colorado School of Mines, Iron Ores in North America – Past Importance, Future Promise, by Dr. Phil Brown, Univ. of Wisconsin. Berthoud Hall Room 241, CSM campus, Golden. All are welcome. See <https://geology.mines.edu/eventscalendar/lectures/> for the upcoming schedule. [Note:] *Lecture series suspended until further notice*

RESCHEDULED for Fri-Sat-Sun, May 15-17: Colorado Mineral and Fossil Spring Show, Crown Plaza Hotel - Convention Center, 15500 E 40th Ave., Denver, Colorado, 10-6 Fri. & Sat., 10-5 Sun., free parking & admission. [Note:] new dates, previously scheduled Apr 10-12—this event is still on.

RESCHEDULED for Sept 2020: Rise of the Mammals: Exceptional Continental Record of Biotic Recovery after the Cretaceous–Paleogene Mass Extinction (about the Corral Bluffs fossil mammal discoveries), by Ian Miller and Tyler Lyson, Denver Museum of Nature and Science; at the CSS Annual Past Presidents' Dinner, to be held at the Mount Vernon Canyon Club. Social time at 5:30, dinner at 6:00, program at 7:00. Reservations required for dinner but guests are welcome to attend for the program only starting at 7:00 PM. Visit <https://coloscisoc.org/> for further details.

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Sat, May 4, 11 AM – 2:45 PM: Colorado Mineral Society Silent + Verbal Auction, Holy Shepherd Lutheran Church, 920 Kipling St., Lakewood. All are welcome (non-CMS members are welcome to bring minerals to sell; limit, 3 flats of specimens); see <http://www.coloradomineralsociety.org/2019CMSAuctionFlyer.pdf> and http://www.coloradomineralsociety.org/Silent_Auction_Bid_Slip.pdf for further details.

Sat, May 16, noon-4 PM: Silent Auction, sponsored by Colorado Chapter, Friends of Mineralogy. All are welcome; setup at 11, auction begins at noon, live auction at 1 p.m. At a new location: Wheat Ridge United Methodist Church, 7530 W. 38th Ave., Wheat Ridge (38th Ave. at Wadsworth Blvd.).

Sat, May 16, 2020: Symposium on Water and Energy in Colorado, to be held in Ricketson Auditorium, Denver Museum of Nature and Science. Cosponsored by the Colorado Scientific Society, Denver Museum of Nature & Science, Center for the American West, and others. Details forthcoming.

Sun, May 17, noon (ish): for the monthly FSS (Florissant Scientific Society) meeting, Christine Siddoway (Colorado College) will give a talk on the Tava Sandstone (the geologically famous “sandstone injectite dikes of the Pikes Peak region”) followed by a short field trip. Osborne Center, University of Colorado at Colorado Springs. All are welcome to attend; contact Beth Simmons, cloverknoll@comcast.net, for details or to be put on the FSS mailing list.

CANCELED Fri-Sat-Sun, June 12-14: Pikes Peak Gem & Mineral Show, Norris-Penrose Event Center, 1045 Lower Gold Camp Road, Colorado Springs, CO 80905. Sponsored by the Colorado Springs Mineralogical Society. Hours: noon-7 pm Fri., 10-5 Sat, 10-4 Sun. Adult (12 and older) admission \$5, multiple day \$8, children 11 and under, free.

Thurs.-Sun., July 23-26: Fairplay Contin-Tail Gem, Mineral, and Jewelry Show, Fairplay River Park.

Adult CSMS Rock Hound of the Year

CSMS is in the process of selecting an Adult Rock Hound of the Year. Since there is no deadline, this will be handled at the (TBD) general assembly meeting.

- End of Event Section -

Some Recent Finds from the Crystal Peak Area, Part 1

Bob Carnein

Many mineral collectors think of the Crystal Peak district in terms of the world's finest amazonite-smoky quartz combinations. These, plus fine topaz, fluorite, albite, and the world's best goethite crystals, comprise the "big six" minerals that make the area famous. However, there are some other notable mineral occurrences. The world's finest beryl crystals were found there by Clarence Coil in the late 1960s (Eckel and Cobban, 1997). Mindat.org (accessed January, 2019) currently lists 29 valid mineral species from the pegmatites near Crystal Peak.

This short paper is the first of two reports on a few recent finds that the author thinks are especially noteworthy. They are either new minerals for the district or unusually good examples of minerals previously described. They illustrate the fact that, despite nearly 150 years of collecting in the area, you, too, might find something new and exciting (at least to me)!

Find Number 1: A Fluorescent Coating The first find was made by Valerie Babbitz in 2017. Val brought an odd amazonite/smoky quartz combo to the Lake George Gem and Mineral Club, where she showed it to John Rakowski and me, asking what we thought it was. The specimen came from the Dorris's Smoky Hawk mine (Teller County, CO) and consists of a coating that Val reported she wasn't able to remove. Examination with a 10X hand lens suggested to the writer that it might be chalcedony, and I asked if I could borrow it for some simple testing, including examination of its optical properties. Val agreed, and I took it home.



Figure 1 (left): Valerie Babbitz smoky quartz/amazonite specimen; **Figure 2 (center):** Close-up of unknown botryoidal mineral in cavity; **Figure 3 (right):** Fluorescence in shortwave UV. (Carnein photos)

My first routine is to check an unknown with my Stereo-Zoom microscope. The mineral consists of gray to brown botryoidal coatings that appear to be fibrous where broken (Figure 2). As is SOP for me, I then checked the sample with an ultraviolet lamp, finding that it has a bright blue fluorescence (Figure 3) and a similar but fainter phosphorescence. I tested the hardness, which is less than that of a knife blade, eliminating chalcedony.

Cont. pg 5

I managed to remove a very small (rice-grain sized) fragment of the unknown mineral. After crushing and sieving the unknown, I mounted a few sand-sized grains on a glass slide and immersed them in an “index oil”, which is used to compare the index of refraction of the mineral with that of a standardized oil. This is a cheap and easy, but definitive, test for mineralogists who, like me, don’t have ready access to expensive instruments such as an X-ray diffractometer. To over-simplify, the tests are repeated with different index oils until a match is found. This microscopic test is somewhat laborious but is diagnostic for most non-opaque minerals.

Val’s coating turned out to be carbonite-rich hydroxylapatite, a mineral not previously described for the Smoky Hawk mine or for the Crystal Peak district as a whole.

Find Number 2: Looks Like Lichens In 2018, I accompanied other members of the Pueblo Rockhounds on my first-ever visit to the Dorris’s Smoky Hawk mine (see above). As is my habit when I visit a “new” locality, I wandered widely over the whole site, trying to get a feel for the local rock types and trends. These peregrinations seldom produce much, but they give me an idea of where to focus my attention if and when I next visit the site.

While working my way up a pile of loose rock on the west side of the main excavation, I found some small, nearly neon-lime green “globs” and coatings on biotite flakes and in miarolitic cavities in the Pikes Peak Granite (Figures 4, 5). At first, I thought these were lichens, so I picked at them with the point of my pocket

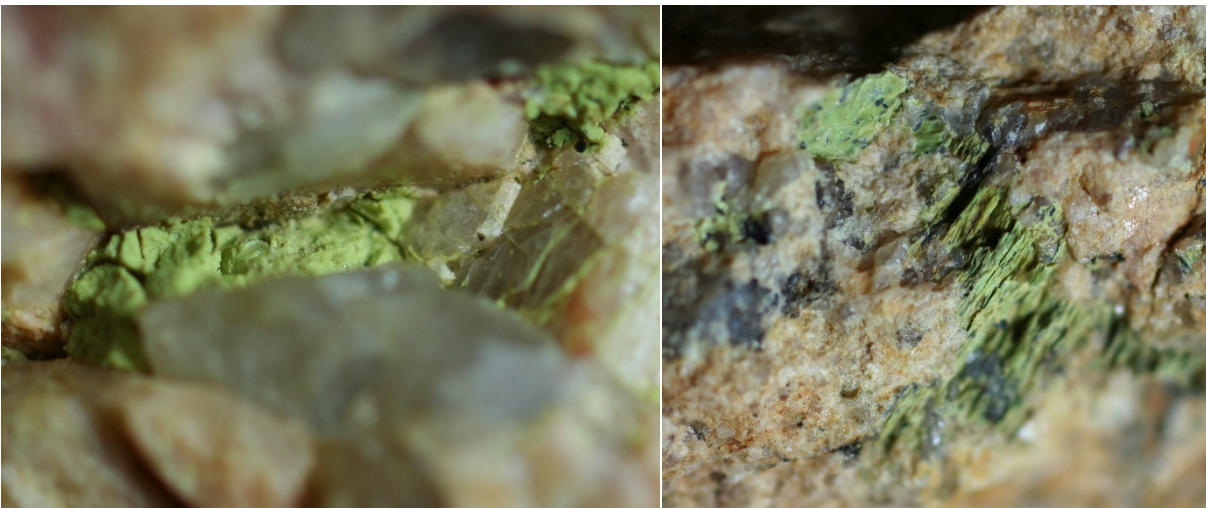


Figure 4 (left): Clayey unknown mineral masses in a cavity in Pikes Peak Granite; **Figure 5 (right):** Same unknown mineral coating biotite mica (Carnein photos)

knife. Though very soft, they didn’t “give” like organic coatings (which are often somewhat springy to the touch), so I collected a few samples to take home.

In the fall of 2018, I checked the samples microscopically and tested for fluorescence. They appeared to be a clay-like material and did not fluoresce. Knowing that clays are notoriously difficult to identify, I scraped a small amount of the unknown off the samples and sent the material to Kelsey McNamara, who does X-ray diffraction analyses at New Mexico Tech. Ms. McNamara was able to identify the sample as a mixture of the clay minerals montmorillonite and vermiculite (no surprise there), along with fluorite (a complete surprise to me). Once again, the montmorillonite and vermiculite had not before been confirmed for this locality.

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Find Number 3: Bertrandite or Baryte? Kevin Witte and Bob Germano visited my home in January, 2019. Bob showed off two spectacular, large baryte crystals found by his wife, Eva, near Lake George in 2009 (Figures 6, 7). I had never seen baryte from the Crystal Peak district, though I knew it is occasionally found there. If you know of any finer examples, I would love to see them.



Figure 6: (left) 6 3/4 –inch baryte crystal found by Eva Germano near Lake George; **Figure 7 (right):** 5-inch baryte crystal from same locality (Germano photos).

During the same visit, Kevin showed me an unidentified sample consisting of a few divergent, euhedral, light tan crystals in a shallow cavity in pegmatite (Figure 8, 9). The sample also contains some beautiful bright green fluorites, resembling those sometimes found at Erongo, Namibia, and tan microcline crystals. Kevin thought the unknown might be bertrandite, which I thought was plausible, and I offered to work on it.



Figure 8 (left): Divergent crystals in pegmatite from near Lake George; **Figure 9 (right):** Same crystals under short-wave ultraviolet radiation (Carnein photos)

Cont. pg 7

As usual, I first examined the sample with my binocular microscope. The crystals are clearly orthorhombic, which agrees with bertrandite. I then checked them with UV, finding that they fluoresce a bright, pale greenish white color, with a similar phosphorescence.

Next, I pried out a rice-grain-size crystal from an unobtrusive place, and crushed it for optical testing. I immediately noticed that it is quite soft (estimate about 4 on the Mohs scale), which eliminates bertrandite (H=6 to 7). Index of refraction and other properties quickly showed that Kevin's sample is baryte—an odd coincidence, considering that it came from a completely different location than Bob's examples.

Find Number 4: Mineral X While examining Kevin Witte's sample (above), I noticed another cavity containing what appeared to be tiny, platy, hexagonal crystals about the color of Turkish kammererite (a sort of raspberry-juice-stain purple) (Figures 10, 11). Either optical or X-ray-diffraction analysis would consume the whole sample, so I didn't want to use destructive ID tests. However, Markus Raschke, at University of Colorado-Boulder, took a tiny sample back to Boulder for analysis by scanning electron microscopy/EDS. The results indicate that the mineral is an iron/potassium phosphate—probably leucophosphite. This would be a new mineral for the Lake George area. However, the analytical method has some built-in uncertainties, and the sample now awaits X-ray-diffraction analysis, which should prove definitive. In addition, Mark Dinsmore has agreed to check the mineral, using, I think, X-ray fluorescence (XRF), which doesn't require destroying the sample. I'm holding my breath, because I think this mineral is something new for the district.



Figure 10 (left): Cavity containing Kevin Witte's Mineral X; **Figure 11 (right):** Close-up of "mineral X" (leucophosphite?). Field of view is about 1 cm across; color is more pink than shown. (Carnein photos)

More Unknowns I'll soon continue this theme with another article detailing at least five more minerals that are new to the Crystal Peak district, thanks to a serendipitous find made in 2018.

Reference Cited:

Eckel, E.B., 1997, *Minerals of Colorado—Updated and Revised by R.R. Cobban, et al.*: Golden, Colorado, Fulcrum Publishing.

President's Corner

John Massie

Presidential Matters



2020 Satellite Group Chairs

Kevin Witte/Bob Germano - Crystals

John Massie/Bertha Medina - Faceting

Jerry Suchan/Joy Price - Fossils

Vacant - Jewelry

Sharon Holte - Lapidary

Vacant - Micromount

Vacant - Photography

Steven Veatch/Betty Marchant -
Pebble Pups

2020 Liaisons

Florissant Fossil Beds National Monument:

Steven Veatch

Western Museum of Mining and History:

Steven Veatch

A message from the President:

As you all know the CSMS Board of Directors has suspended all activities until the coronavirus threat has been mitigated. We had to do this because of the stay in place orders we are under both state and federal. The board of directors will continue to function by email.

I hope everyone is doing ok in this time of unprecedented events we are in now.

I am looking forward to the time when we can put this time behind us and start functioning as an active club again.

We are having trouble with a hacker asking members to help with money for club expenses. We will never ask an individual member for money to pay club expenses. If you get one of these requests let me know or ignore it. The hacker is using a board members name with a different email address,

John Massie
President

A Special Thank You to The Daily Family

I would like to thank the family of Pete (1997) and Bert (Wilma) (10/31/2019) Daily for their donations of mineral specimens. When I became president, I was given several shoe boxes of mineral specimens that were labeled "From the Collection of Pete and Bert Daily." These were to be used as drawing prizes for the general assembly meeting.

I had no idea who Pete and Bert Daily were except that they had been lifetime members for as long as I can remember (2002). After some research and many phone calls, I was given the name of Linda Daily and her phone number. Linda, as it turns out, is their daughter.

I learned from Marge Regel that she, Dave Olsen and Frank Rosenberg took a very large donation of minerals (many of which can no longer be obtained) to the School of Mines several years ago. This donation is currently on display at the School of Mines.

Linda told me they were long time lifetime members who were very interested in collecting minerals and especially Micromounts. Apparently they had a motor home and would arrange field trips all over the American Southwest, with their motor home being the nucleus of the trip. Linda remembered that many times the motor home would be so full of rocks, not just small specimens, but real honkers, it would just lumber home. She compared it to a movie made by Desi and Lucy Arnaz, *The Long, Long Trailer*.

Thank you so much to the Daily family for all the donations.

Sharon Holte
Past President

Pebble Pups

Steven Veatch



CSMS Pebble Pups and Earth Science Scholars

- **NOTICE:** Normal Pebble Pup meetings CANCELED until Sept 2020
- Please visit our blog for special announcements and field trips:
<http://pebblepups.blogspot.com>
<http://www.csms1936.com>
- Find your assignments at:
<http://pebblepups.blogspot.com/p/merit-badge-assignments.html?m=1>

Poems by Pebble Pups National Poetry Month



Colorado Mountains. Image by S.W. Veatch

Oh Colorado Mountains

By Karah Teague

Oh Colorado mountains,
How colors fill your canyons.
The sandstone, how it burns and shines all shades of red.
What mysteries lie beneath the sediments bed?
Time trapped beneath the shell and ash of the mighty volcano.
What part of life will the fossils show?
Oh Colorado mountains what beauties do you hold?
Granite that shows a slight sparkle for the eye to behold.
Gold and rich-filled minerals buried beneath.
Your sunsets and flowers who else can compete?
Oh Colorado mountains how dear you are to me.



Rock

By Rigel

I am a rock
Hard as can be
Not alive not dead
Can you find me?

Places

By Rigel

Inside
Outside
Country
City
Search your dreams and in a jiffy you'll find
A place
Your happy place
To fly and run free



A solitary crystal. Image by Robert Strasser from Pixabay

The Crystal

By Josilyn Teague

Like a prism the crystal sparkles.
Always making us witness to its marvels.
How does it always captivate us some ask?
But the crystal stays quiet for it has but one task—
To make us all want it, to make us say I must have it.
To make us cry if we don't, but brag if we have it.
The crystal laughs as it sees us a bustle,
It wins our hypothetical battle without any muscle.

But we don't want the crystal for its beauty.
We want to wear it and become that same ruby.
But why does the crystal want you to be jealous of if for?
Because deep down it knows it's just a mineral and it will never be more.



Wind Carried

By Rigel

Oh the smell carried by wind
Hot, cold, and moist
If you tune yourself in
Does it smell like life
Or death
Happy
Or sad
Where do we begin

Colors

By Rigel

Yellow
Green
Red
And blue
How do you do
They float in the air
Even on a bear
Colors are everywhere

Happy National Poetry Month! Poems bring us together and color our world.

Incident at the Kalamazoo Gold Mine

Steven Wade Veatch

During the cold day of December 27, 1901, Martin Gleason, a mining superintendent working in the goldfields of Cripple Creek, Colorado, was attacked in the shadows of the Kalamazoo mine. Gleason's assailant struck him on the head and then pushed him into a mine shaft, where he fell 500 feet to the bottom of the mine. The attack left behind two things: Martin Gleason's corpse and footprints suggesting a struggle. What brought Martin Gleason to this grim end?

Martin Gleason was born in Queenstown, Ireland, on December 25, 1848. When he was 18, he immigrated to America. Gleason worked for fifteen years in the Pennsylvania coal mines before coming west to Colorado in the early 1880s (Anonymous, 1900). He ended up working for the Consolidated Gold Mines Company in the Cripple Creek Mining District in 1898 (Poet, 1932). Two years later, the Woods Investment Company employed him as the superintendent of the Wild Horse (figure 1), Deadwood, and Battle Mountain mines.

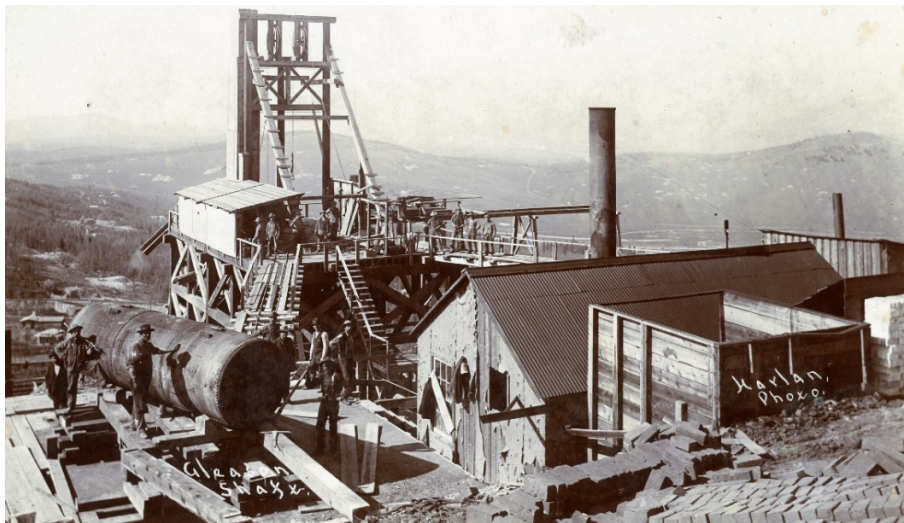


Figure 1. View of the Wild Horse mine. The writing on the left lower corner states "Gleason shaft." The Wild Horse mine was one of several mines under Martin Gleason's management when his troubles with the union deepened. Undated photo by A. J. Harlan. Photo courtesy of the Cripple Creek District Museum (CCDM 82 591).

Things were looking good for Gleason. His reputation as a hard-as-nails mining man brought him success in the mining district.

Prior to Gleason becoming a mine superintendent for the Woods Investment Company, the Cripple Creek Mining District experienced its first labor strike in 1894. The union called a strike to resist wage cuts and a longer workday. Specifically, the miners demanded a minimum daily wage of \$3.00 and an eight-hour workday.

During the strike, James C. Veatch, former Denver chief of police, arrived in Cripple Creek with a force of 125 heavily armed deputies, mainly former policemen and firemen, to confront the striking miners (Rastall, 1906). The pro-labor Populist governor Davis Waite used the state militia (figure 2) to stop this army of deputies from advancing on union miners. The strike was resolved in favor of the miners, and the power of the union was firmly established in the mining district.



Figure 2. Encampment of state militia on Bull Hill, Cripple Creek Mining District, June 12, 1894. Cripple Creek was the site of two labor conflicts: the first in 1894 and the second one in 1903-1904. Photo by A. James Harlan. Courtesy of the Cripple Creek District Museum.

After the miners won the strike, the union's power continued to expand, and by 1902, unions organized most of the workers in the district, including bartenders, clerks, cooks, waitresses, laundrymen, and newsboys (Jameson, 1998). However, power soon began to shift from the unions to the mine owners and capitalists. Trouble brewed as organized labor worked to maintain its authority while intimidating miners to either join the union or leave the district. Violence escalated. Union thugs threatened miners in their homes and assaulted them as they went to and from their work. Sometimes the beatings resulted in death (Montgomery, 1904).

About this time, Martin Gleason, the superintendent of several local mines, aroused the enmity of the union as he supported nonunion labor. According to an article in the *Victor and Cripple Creek Daily Press* (December 28, 1901) Gleason "had the reputation of not discriminating in the employment of men" (Jameson, 1998).

Gleason further antagonized union bosses and miners when he hired a black miner at the White Horse mine. There were few black miners in the Cripple Creek Mining District, and when the White Horse mine employed another black miner, most of the white miners opposed the hiring. Gleason reminded the angry miners that President Lincoln had issued the Emancipation Proclamation 35 years earlier and that they should show some "brotherly love" (Jameson, 1998). Gleason's remarks held no sway, and the white miners refused to go work with the black miner.

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The circumstances turned lethal. Two days after Christmas, 1901, Martin Gleason, 50 years of age, was found dead, with his head crushed in, at the bottom of the Kalamazoo shaft—Miners brought his mangled body up 500 feet to the surface. The Woods Investment Company, Gleason’s employer, offered a \$5,000 reward for the capture of his killer (Anonymous, 1902).

Several men were charged with this crime but were later released. According to Poet (1932), the principal of the Victor High School, “the murderer was never brought to justice.” We may never know who murdered Martin Gleason.

Although Martin Gleason worked for mine owners as a superintendent, he was sympathetic with the plight of the miners. As he tried to bridge the two worlds of labor and capital, Gleason became a grim statistic in the violence leading up to the second (1903-1904) of two Cripple Creek labor strikes.

References Cited:

- Anonymous, 1900, *Fortunes of a Decade*, Colorado Springs: Sargent and Rohrabacher for The Evening Telegraph, p. 116-118.
- Anonymous, 1902, “Martin Gleason:” *Mining Reporter*, Vol. 45, No 1, p. 12.
- Jameson, E., 1998, *Class, Conflict, and Community in Cripple Creek*, Chicago, University of Illinois Press.
- Montgomery, W. H., 1904, *Colorado Bureau of Labor Statistics: Biennial Report 1904*. Denver, The Smith-Brooks Printing Company.
- Poet, S. E., 1932, The Story of Cameron, Colorado. *The Colorado Magazine*, Vol. 9, No. 5, p. 197.
- Rastall, B. M., 1906, *The Labor History of the Cripple Creek District, A Study in Industrial Evolution*. Madison, Wisconsin, Bulletin of the University of Wisconsin, No. 108, Economics and Political Science Series, Vol. 3, No. 1, p. 1-166.

Secretary's Spot

Lisa Cooper

Meeting Minutes

2020 CSMS Officers

John Massie, President

Vacant, Vice-President

Lisa Cooper, Secretary

Ann Proctor, Treasurer

Adelaide Bahr, Membership Secretary

John Emery, Editor

Chris Burris, Member-at-Large

Renee Swanson, Member-at-Large

Sharon Holte, Past President

2020 CSMS Chairpersons

John Massie, Program Coordinator

John Massie, Show Vol Coordinator

Mike Webb, Field Trip Coordinator

Steven Veatch, Science Fair Chair

Frank & Ellie Rosenberg, Librarians

Mark Schultz, Social Committee Chair

Ann Proctor, Store Keeper

Lisa Cooper, Show Chairman

Lisa Cooper, Webmaster

Lisa Cooper, Facebook Keeper

Mike Nelson, Federation Representative

Vacant, Federation Representative

Constitution Changes

Fourth publishing: (due to canceled meeting)

The Amendment to *Article IX p5, pg.17 - Annual Show*, as published in the November 2019 Pick & Pack Page 5:

"Vendors will be charged booth fees based on the size of the booths and the cost of the Venue. The fees will be determined by the Show Chairman."

This change will allow the Show Chairman to determine the fees without each time having to change the constitution.

Fourth publishing: (due to canceled meeting)

The Amendment to *Article X, pg. 17 - Annual Picnic*, as published in the November 2019 Pick & Pack, Page 5:

"The annual picnic will be held on a Saturday in August."

The reason for the change is that people tend to be away in July.

Third Publishing:

The Amendment to *Article V, p1, pg. 12*, Dues change:

"New Members joining after May 30th shall pay one-half (1/2) the applicable dues" and delete paragraph 5.

This will allow those joining at the Show to receive the half a year discounted.

Hey! We still need to nominate and elect a 2020 **CSMS Adult Rockhound** of the Year!

Please refer to the November 2019 issue of the Pick & Pack, page 3. If you do not have a copy, you can access www.CSMS1936.com and go to the Newsletters. Print off a form or two and nominate your best rockhound!!

Thanks!



Colorado Springs Mineralogical Society

Post Office Box 2, Colorado Springs, CO 80901

www.csms1936.com

2020 APPLICATION FOR MEMBERSHIP

LAST _____ FIRST _____ MIDDLE _____

SPOUSE _____ Child (Name) _____ Age: _____ GRADE _____

Child (Name): _____ Age: _____ GRADE _____

STREET _____ CITY _____

STATE _____ ZIP _____ EMAIL _____

CELL _____ HOME _____

Have you previously been a member of the CSMS? YES _____ NO _____ WHEN _____

May your name and contact information published in the CSMS Membership Directory, distributed only to members? YES _____ NO _____

May your photo may be used in the CSMS Publication "The Pick & Pack"? YES _____ NO _____

	New / Continuing Members			New Members Only	
	Before Jan 31	After Jan 31		After June 30	Oct 1 – Jan following year
Pebble Pup Membership (4 – 12 years old and parent is not a member)	\$10.00	\$15.00		\$ 7.50	\$10.00
Junior (Membership (12 –17 year old and parent is not a member)	\$10.00	\$15.00		\$ 7.50	\$10.00
Individual Membership (18 and over)	\$25.00	\$30.00		\$15.00	\$25.00
Family Membership (2 adults & dependents under 18)	\$35.00	\$40.00		\$20.00	\$35.00
Corporate Membership (entitles up to five (5) Individual Memberships)	\$95.00	\$100.00		\$50.00	\$95.00

SATELLITE GROUPS: Please check ALL YOU MAY BE INTERESTED IN JOINING - Fill out each year!

PEBBLE PUPS		FACETING		LAPIDARY		Other: _____ _____ _____
JUNIORS		FOSSILS		PHOTOGRAPHY		
CRYSTAL		JEWELRY		OTHER		

VOLUNTEER OPPORTUNITIES: VOLUNTEERS ARE WHAT MAKE OUR CLUB! - Fill out each year!

GUEST SPEAKER		FIELD TRIPS		EDITOR/WRITING		List any other things you may be willing to do:
CLUB OFFICER		LOCAL ROCK SHOWS		LIBRARY		
HISTORIAN		ARTIST/MEDIA		REFRESHMENTS		

I hereby agree to abide by the Constitution and By-Laws of the Colorado Springs Mineralogical Society available at: http://www.csms1936.com/wp-content/uploads/2017/02/Constitution_and_By_Laws.pdf I have read the membership information, as well as the request and waiver for field trips on page II (following). I understand that all members must sign a separate waiver at each field trip to participate. I agree to abide by the American Federation of Mineralogical Societies (AFMS) Code of Ethics available at: <http://www.amfed.org/ethics.htm>

Signature of Primary Applicant or Guardian if Minor

Application Date

Mail this form and your payment to: Colorado Springs Mineralogical Society, PO Box 2, Colorado Springs, CO 80901

Membership Chair: Rev: 12/15/19

CSMS Application Page 2

- Membership information page -
- Waiver Release to participate in Field Trips -

Membership Information

- Membership to CSMS is annual, from January 1st to December 31st. Membership dues must accompany this application, which must be filled out each year.
- Members must abide by the CSMS Constitution and By-Laws, located on the web at: http://www.csms1936.com/wp-content/uploads/2017/02/Constitution_and_By_Laws.pdf
- Members in good standing receive the following benefits: 10 electronic issues of the CSMS *Pick&Pack* newsletter; right to participate in all field trips (additional fees may be required on some field trips and members are responsible for all transportation to and from); participation in one or all Satellite Groups (some groups may request additional fees to help cover resource costs); free admission to the Western Museum of Mining and Industry; a year of learning and enjoyment, plus a lifetime of memories. The Pebble Pup program is a satellite program.
- Continuing memberships must pay full-year dues; a \$5 discount can be applied to renewals on or before January 31st. Anyone who has previously been a member must pay the full rate each year REGARDLESS of the time of the year they pay their dues.
- A person, family, or corporation joining the CSMS as a new member after June 30th shall pay half the yearly membership rate. A person joining CSMS as a new member after October 1st receives the rest of the current year plus the next year's membership. The partial year membership shall not apply toward the 25 year Lifetime Membership.
- Members who have paid their dues for 25 years will be awarded a Lifetime Membership on their 26th year. Lifetime Members receive all of the CSMS benefits and no longer have to pay the annual dues. Individual Memberships provided by Corporate Membership are excluded from Lifetime Status. Corporate membership grants up to 5 individual memberships and one yearly (10 issues) 3.5" x 2" advertisement in the CSMS Pick & Pack.

Release by Participants from Claims Arising By Virtue of Mineral Collecting Led By Field Trip Leader of the Colorado Springs Mineralogical Society, A Non-Profit Corporation – Member: Rocky Mountain Federation of Mineralogical Societies

I/we, the undersigned, hereby request permission to participate in mineral collecting led by the Field Trip Leader of the Colorado Springs Mineralogical Society, a non-profit corporation.

I/we know the risks and danger involved in such activities and that unanticipated and unexpected dangers may arise during such activities, and I/we assume all risks of injury to my / our persons and properties that may be sustained in connection with the stated and associated activities in and around the premises.

In consideration of the permission granted to me/our participation in the stated activities, I/we hereby for myself, my heirs, administrators, and assigns release to the Colorado Springs Mineralogical Society and the Rocky Mountain Federation of Mineralogical Societies, and their representatives, servants, agents, officers and officials and all other participants in the stated activities of and from all claims, demands actions and causes of actions of any sort, for injuries sustained to my/our person and/or property during my presence on the premises and participation in the stated activities due to negligence or any other fault.



“Code of Ethics”

A large measure of the enjoyment of our hobby consists of collecting in the field. For that reason, the members are proud to endorse the following:

I will respect both private and public property and will do no collecting on privately owned land without permission from the owner.

I will keep informed on all laws, regulations or rules governing collecting on public lands and will observe them.

I will, to the best of my ability, ascertain the boundary lines of property on which I plan to collect.

I will use no firearms or blasting material in collecting areas.

I will cause no willful damage to property of any kind such as fences, signs, buildings, etc.

I will leave all gates as found.

I will build fires only in designated or safe places and will be certain they are completely extinguished before leaving the area.

I will discard no burning material - matches, cigarettes, etc.

I will fill all excavation holes which may be dangerous to livestock.

I will not contaminate wells, creeks, or other water supplies.

I will cause no willful damage to collecting material and will take home only what I can reasonably use.

I will practice conservation and undertake to utilize fully and well the materials I have collected and will recycle my surplus for the pleasure and benefit of others.

I will support the rockhound project H.E.L.P. (Help Eliminate Litter Please) and will leave all collecting areas devoid of litter, regardless of how found.

I will cooperate with field-trip leaders and those in designated authority in all collecting areas.

I will report to my club or federation officers, Bureau of Land Management or other authorities, any deposit of petrified wood or other materials on public lands which should be protected for the enjoyment of future generations for public educational and scientific purposes.

I will appreciate and protect our heritage of natural resources.

I will observe the "Golden Rule", will use Good Outdoor Manners and will at all times conduct myself in a manner which will add to the stature and Public Image of Rockhounds everywhere.

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Classifieds and Announcements

Our Staff... John Emery—Editor

Thanks to our contributors. We encourage everyone to submit articles, photos, illustrations or observations!

Share your experiences, your new finds, or simply your enjoyment of 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 **last day 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 can be submitted at resolutions above 200 dpi in ANY format.

Articles are preferred in MS Word, preferably NOT pdf, but the editor will correct font.

e-mail to the editor:
physikker@gmail.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.

ANNOUNCEMENTS

Unfortunately, and with deep regret, Pikes Peak Gem & Mineral Show originally scheduled for June 12-14 is **CANCELLED** due to circumstances surrounding the COVID-19 pandemic.

CSMS T-SHIRTS, BADGES AND PINS AVAILABLE FOR SALE!

- 1-yr pin award for those who celebrated a CSMS anniversary in 2017 or 2018
 - Contact storekeeper Ann Proctor:
annmgmt@msn.com
-



Pick & Pack
P.O. Box 2
Colorado Springs, CO 80901-0002

Postage Here



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 newsletter 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 PM at Mt. Carmel Veterans Service Center; 530 Communication Circle, Colorado Springs, CO 80905
- Visitors are always welcome

Meetings:

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, Lapidary Group, and Pebble Pups/Juniors. For details on Satellite Group meetings, check out the calendars on page 2 and the web site.

Membership Benefits:

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* (carry your card), a year of learning and enjoyment, plus a lifetime of memories.

Individuals—\$30, Family—\$40, Juniors—\$15, Corporate—\$100. Find the application at the web site: www.csms1936.com. 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.

Colorado Springs Mineralogical Society is a Member of the following organizations:

American Federation of Mineralogical Societies (AFMS) www.amfed.org

Rocky Mountain Federation of Mineralogical Societies (RMFMS) www.rmfmms.org