



**Denver Gem & Mineral Guild
Founded March 1964**

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AFMS Silver Medal Club 2016



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TIPS & CHIPS

**HTTP://WWW.DENVERGEM.ORG OR
HTTP://DENVERGEM.ORG
AND NOW FACEBOOK!!!**

March 2020

March 13, 2020

7:00 PM, CSM Berthoud Hall Room 109

NOTICE NEW START TIME!



See preview of the talk: <https://www.youtube.com/watch?v=AtcQPlpoycg>



**Where and what time is the DGMG MEETING?
(Follow the signs in the building!)**

The meeting starts at **7:00 pm** at the Geology Building, Berthoud Hall, Room 109 (lower level), 1516 Illinois Street, Colorado School of Mines, Golden. Entrance is on the south side ground level or through the north main door of the building (Stairs or elevator). Photo is of the east entrance along Illinois Street. The hospitality room is across the hall from the meeting room—full of sweets and healthy treats for socializing after the meeting. Parking is at a premium along the streets of campus. There is a small parking lot north of Berthoud Hall, west of Guggenheim. Go down Illinois all the way to 13th, turn left, then left again up Maple. Go in the first driveway to the left at the top of the hill. There are handicapped places on the south side of building, accessible by driving through the pedestrian zone.

CRAIG HAZELTON ALL ABOUT JASPER

You all saw Craig's fascinating exhibit about the various jaspers of the Northwest and their relationship to the Yellowstone Hot Spot at the show. Now is your chance to learn more! And learn how to tell one jasper from another. A little bag of identified jasper specimens has your name on it!

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56 years of DGMG Kudos, Celebrations, & Events

2020 DGMG Officers & Chairmen

President:: George Daggett
Vice President: Sarah Reece
Secretary: **OPEN PRO-TEM:** Marj Becker
Treasurer: Deb Baldwin;
Treasurer Assists: Beth Simmons,
Hospitality: **OPEN**
Ways & Means:
 Dave Sanchez, Gideon Breithaupt, Sandra Lucero
Membership: Sue Childs
Membership Ass't: Merlin Schreffler, Tricia Zeyrek,
Claims Manager: Fred Ceconi; **Ass't.** Susanne Peach
Editor: Beth Simmons; **Ass't:** Marj Becker
Historian/Librarian: Kathy Honda
Webmaster: Bob Johnson
Show Chairman: Beth Simmons
Dealer Chairman: Linda Burns
Field Trips: Committee
Grab Bags: Joe Walkowich, Joe Payne, Kathy Honda
Merchandise: Sandra Lucero
Council Rep: Kathy Honda; **Alt.** Linda Burns
Denver Show Rep: Kathy Honda
Sunshine: Sandra Lucero
Party planning: Deb Baldwin, Marj Becker
RMFMS Rep: Kathy Honda
Outreach: Susanne Peach; Bob Johnson
Inventory manager: Linda Burns

An "Assistant" is the officer's backup in case of illness or other reason they can't do their job.
 Every officer needs an "Assistant"!
 Join up! Say YES when asked!

Quote of the Month:

**You cannot do wrong
 without suffering wrong.
 (Ralph Waldo Emerson)**

From the DGMG webpage

March Birthdays:

Wendy Carley
 Ella Carter
 Zane Gordon
 Misha Luchtenburg
 Keith Sheel
 Kristie Weber
 Deb Wittwer



March Anniversaries:

The Gillhams
 The Wildricks

March Sunshine Spotlight

Get well wishes to **Felix Beall** who had appendicitis surgery the day before the show!



DGMG T-Shirts and Vests for Sale!

Currently Available at the February Meeting:

Commemorative Anniversary Club Shirts - \$10.00

Club Vests - \$25 & Guild Pins - \$0.50



Coming soon:



New Club T-shirts &
 Club Baseball Caps

**CONTACT SANDRA LUCERO TO
 INFORM HER OF SUNSHINE REQUESTS**

gardengal001@yahoo.com

THE DENVER GEM AND MINERAL GUILD—57 Years old!



Founded in 1964, the Denver Gem and Mineral Guild pursues exploration, experimentation, and education in the earth sciences; the discovery, development and preservation of minerals and mineral deposits; and the advancement, encouragement and utilization of the principles of art and craftsmanship as applied to gems and minerals.

The Guild meets on the second Friday of the month at 7:30 pm at Berthoud Hall on CSM Campus, except for June, July, August, and December. Picnics, field trips, and parties replace regular meetings those months.

Deadline for article submission for the Tips & Chips is the 20th of each month. Email photos and articles to editor Beth Simmons at cloverknoll@comcast.net. Exchange with other newsletters is invited, and reprinting of material from this newsletter with proper attribution is encouraged.

2019 DGMG CALENDAR OF EVENTS

A persistent page—watch monthly for additions! PUT THIS ON YOUR FRIDGE!!!



HOSPITALITY FOR 2020

Chairman:

STILL VACANT

Sandra Lucero

will bring the plates and cups and plastic ware for the spring months

March:

SOMEONE BRING SOMETHING!

Beverages: **George Daggett**

April: **Merlin Schreffler**

Beverages: **George Daggett**

May: **Debbie Baldwin**

Beverages: **George Daggett**

FRIDAY MARCH 13 2020

BOARD MEETING 6:00

7:00

CRAIG HAZELTON—ALL ABOUT JASPER

MARCH FIELD TRIP

**TOUR OF BACK STAGE AT THE COLLECTOR'S EDGE, GOLDEN
DATE TBA**

FRIDAY APRIL 10 2020 **7:00**

STEVE VEATCH: THE HISTORY OF ALMA, COLORADO

APRIL FIELD TRIP

PHOENIX MINE, IDAHO SPRINGS, DATE TBA

FRIDAY MAY 8 2020 **7:00**

MARK JACOBSON TOPIC TBA

JULY 10-12 2020

**FIELD TRIP—SALIDA: JOHN AND DONNA RHODES
MORE DETAILS FORTHCOMING**

2020 Calendars STILL FOR SALE!

Only about 10 copies left!

\$10— stunningly beautiful!

2020 DGMG Show Report

by **Beth Simmons**, Show Chairman

SEE ENCLOSED PHOTOS!

Bob Johnson served as official show photographer. He was everywhere! Many photos will be posted on Facebook. The rest you might see in next year's calendar!

Attendance soared over 1600 for the three days. Entering the People's Choice ballot information into the database showed an amazing number of new people came this year, thanks to **Bob Johnson's** and **Susanne Peach's** push for publicity.

PRESIDENTIAL MESSAGE

Thanks to the hard and lasting efforts of many Guild members, from both near and far, we pulled off the 49th version of our Jewelry, Gem & Mineral Show! "Pulled off" is an understatement. Thanks to show chair **Beth Simmons** and dealer chair **Linda Burns**, the floor was organized to perfection and we had several new dealers that contributed to an overall level of high quality, particularly for exquisite mineral specimens and lapidary art.

Attendance was increased over years past and it appeared that business was brisk for the dealers. In addition we had over 30 display cases that were both educational and beautiful to behold. A key aspect of our show is the friendships we all build with each other, our dealers, our exhibitors, and friends from long ago and far away. The hospitality we bring to our show, including the robust potluck offerings in the kitchen, set us apart from other show, and it leads numerous dealers to voice out loud that this is their favorite show.

Congratulations and best wishes to every single member for their time, effort and enthusiasm in "pulling off" a heart-warming and successful show.

We Have Rocked You!

George



Did you see the DGMG CARVING CASE AT DGMG SHOW? With **Gideon's** completed "Gold Prospector"? And **Linda's** new "Dolphin"?

This is the **SIXTH ANNOUNCEMENT OF WORKSHOP**

Sandy Cline is planning to return the 3rd week of May for a week long workshop! We need 10 participants! Plan ahead! Let **Beth** know if you plan to participate.

DGMG SHOW REPORT

Accolades and praise to all members of the Guild!
What a show it was! Thanks to all members who exhibited,
volunteered and brought food for the kitchen! Many members
renewed and other new members joined at the show!

Congrats to **Dave Sanchez** whose exhibit showing the
process of cutting cabochons won the People's Choice
Award for 2020.



Linda Burns at the Self-A-Ware booth. **Linda** served as dealer chair and buildings and grounds chair, was at the show from sunup to beyond sundown, dealing with the Fairgrounds personnel as they solved the myriad of intermittent problems that arose.
She was also show announcer.



Ron and **Eva** cutting it up.



Right; What does **Bob** have?
Left: The Guild donated the Greenland case literature and collection to the Sherman Dugan Geological Museum at San Juan College in Farmington, NM



Right: **WHO** was the masked dinosaur who tried to bite **Linda's** head off?

Left: **Marj** entertaining a group of kids, with our own **ViVi** helping!





Above: **Sandra** learning lapidary from **Dave**

Below: **Jim** with new dealers from Down to Earth Rock Shop



Above: The masked dino goes after kids, too!

Below: **Karlene** giving **Sandra** a pointer about cabochon cutting



DGMG Life members Maxine Sheel & Linda Snelling and former member Becky Unruh



Remember these jasper names and ages:
Owyhee (15 my) and Bruneau (11.8 my)



JeffCO Fairground Scuttlebutt

By Beth Simmons, DGMG Show Chairman

You've probably heard all the newsy gossip at the show that the Jefferson County Fairgrounds will be closing by order of the county commissioners because it costs \$1.3 million dollars to operate, in addition to the \$500,000 in fees raised by 1,200 events which includes our DGMG gem and mineral show. This is the commissioners' way of getting back at the voters for not voting to raise taxes. That and turning loose a number of prisoners from the county jail for lack of space! So it's time for each and every one of us to write to the commissioners about the situation. We shouldn't have to beg... BUT.

This information came from our contact at the Fairgrounds Tuesday morning.

As part of the meeting on Feb. 25, 2020, the Board of County Commissioners heard public testimony during which many community members spoke on the importance of youth, equine and agricultural activities and the impact these activities make in their lives. Taking that and the budget challenges facing the county into account, the commissioners directed staff to:

- Work with Jeffco Open Space and a task force to engage the community, non-profits and stakeholders (Friends of the Fairgrounds) to determine a path forward on operations at the fairgrounds
- Preserve youth, equine and agriculture activities efficiently and effectively
- Maintain the fairgrounds as an evacuation location
- Updates will be provided to the commissioners through the year on these items and the decision on the whole of fairgrounds operations is expected to be part of the 2021 budget development process in the fall. We ask that those interested remain involved in the process.

For more about the county's budget situation, please visit their website at www.jeffco.us and click on the link to the [Financial Realities](#) page.

Just in case, I, as show chairman, have sent in reservations for next year's event to be held Feb. 25-28, 2021. The 2021 show will be the Guild's Golden 50th show! All of the dealers want to return, so it will be a grand event, if it runs! The show has been held all over Lakewood at various halls and malls, but most recently at the wonderful venue the Fairgrounds offers. However, should we have to move, we need to start looking NOW for a different venue. So it's everyone's task in the next three months to find someplace in their neighborhood (in Jefferson County) which might be suitable for our show.



Will 2020 be our last?





SPOTLIGHT ON MARCH'S SPONSOR:

K&M Enterprises

Our regular March sponsor, Keith Sheel (and Maxine) celebrate his 83rd birthday this month!

The **Sheel's** are life members of the Guild, having joined back in the late 1980s. They also are leaders and instructors in the Littleton club. Through the years, they have been very active in the production of the Denver Gem and Mineral Show.

Keith is a premier faceter; he has won numerous People's Choice awards for his many cases of gemstones. Maxine's display this year at the show featured many pieces of vintage jewelry, types of which we all have worn at one time or another. Keith's case of natural vs. artificial cut stones was very instructional.



Maxine's vintage jewelry case

Maxine setting up her case

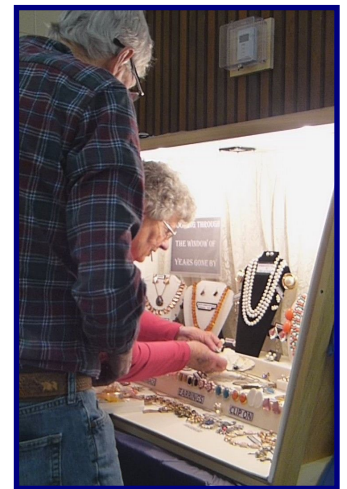
Barbara Bush's pearls

Keith's faceted stones—natural

Keith's faceted stones-artificial

Keith and Maxine setting up the cases

Detail of Maxine's vintage jewelry case



Bring Me A Rock - Revisited By Marj Becker

I made three BIG mistakes,
 Last year. Taking on the geckos was the first.
 Fourteen-year-old Sam asked if I wanted his geckos.
 They came to his home by way of his classroom.
 And, typical teenage boy, he had had
 Enough of feeding and caring
 For the geckos by last April.

Mistake two was getting
 A tortoise to live with me.
 A tortoise who will out live me.
 By fifty years.

Mistake three was more complicated.
 The "rock club" show is time for people
 To create a display case for it.
 What caused my hand to write my name on
 That paper, I'll never know.

But, I did.

"And, what is your case about?"
 Asked the organizer. Very little
 Thought was needed to decide
 To use the poem I wrote in April.
 "Bring Me A Rock."

I must have more than seventy rocks
 From people who have brought me
 Rocks from all over the world.
 The U.S., of course. And,
 Uganda, Australia, China,
 Ireland, Wales, Germany,
 Italy, Spain, France,
 Mexico, Morocco,
 Pakistan, India,
 Turkey, Israel.

Just where do I begin?
 Go through the rocks that
 Were brought. Count them— Seventy-five.
 Whittle down the choices.



What do I need?
 Twenty?

Twenty-five? Forty?

How big is the case?

Good friends assist.

Dimensions published
 in the T&C.

Read - don't guess.



Glue the map to the inside

Back of the case. Glue the poem

to the sides. Number the rocks.

Same number for country of origin.

This is hard work!

Check,

And check,

And check, again.

This is HARD work!

Make a computer list.

Make a place for the

Number.

For the Rock name.

For the Country of origin.

For the giver's name.

Check

And check

And check!

This IS hard work.

I won't do this again!

Install the exhibit in the case.

Lock it up with the bolt screw driver.

Step back.

Take pictures.

Doesn't look too bad.

But, I WON'T DO THIS AGAIN!

Well ... there is always next year.

And, Scholar Stones (Viewing

Stones, Suiseki, Gonshi).

Yes, there is always next year.



BERYL— many colors... and sizes.... by Beth Simmons and Donna and John Rhodes

What mineral comes colorless, or in red, green, light blue, or pale green? And in crystals up to 75' long and 6' wide? And is hard enough (H=8) to be a stone that Ron Snelling and John Rhodes might cut into one of their fantastic gemstones? And comes from Colorado? And is Colorado's state gemstone?

The watery blue version of BERYL, aquamarine, is Colorado's state gemstone. And comes from the very dangerous Mt. Antero, a quest of many gem hunters despite the risks. John and Donna Rhodes (you met them at the DGMG dinner Friday night and at the show) tell the story of Mt. Antero on their website (<https://djraregems.com/NorthAmericanGems.html>).

Mt Antero was first discovered as a gem location in the 1880's. It is known for producing gem grade aquamarine, beryl, phenacite, fluorite and quartz gems. Recently it was made famous by the TV show "The Prospectors." Most of the mountain is now claimed and permission must be obtained to collect on the many claims that now dot the mountain. This photo (right) was taken in 1984 while the bronze sign indicating its designation as a "Mineral Park" open to collecting was still in place. The sign was removed by vandals in the ensuing years and the site is no longer open to collecting as it was at the time of the designation.



Mt Antero has an elevation of 14,269 feet with the collecting area between 12,500 and 14,000 feet making it the highest gem location in the US and one of the highest in the world. Collecting and mining takes place between June and September when snow melt is sufficient to allow access. The picture to the right is of John in 1984 sitting at approximately 13,900 feet in elevation.



In September of 1991, John with Horace O'Donnell opened a substantial pocket of colorless beryl known as goshenite as well as some pale yellowish green beryls. A 13-carat flawless gem that John found and faceted now resides with the *Denver Museum of Nature and Science*. The rough that gem was cut from was found by Horace's knee a few minutes after this photo was taken.



Left; Two high quality gem aquas from Antero cut by John Rhodes.

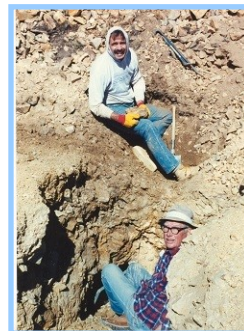


Right: 19389 Goshenite
Colorless, 5.45 cts square emerald brilliant cut measuring 10.6x10.5x7.9 mm, from the California Mine, Mt Antero, Colorado. This gem was cut from rough mined during September 1991. This gem is cut in the perfect pattern to display its fine brilliance.



Right: 18842 Goshenite,

Colorless, 4.45 cts square emerald brilliant cut measuring 9.6x9.6x7.5 mm, from Mt Antero, Colorado. This gem was cut from rough John mined during September of 1991. The find was quite significant and produced the finest goshenites ever found at this classic North American location.



Oh—where was that humungous beryl crystal? In a quarry in Indian Hills, mined during the “Beryllium Rush” of the 1950s. It was crushed for beryllium, so Al Mosch told Beth.

The second weekend in July 2020, DGMG will pay a visit to Donna and John Rhodes in Salida on a field trip. Where John will take us only he knows, but it won't be to Mt. Antero!



Web Corner – Web and Computer Resources for Rockhounds

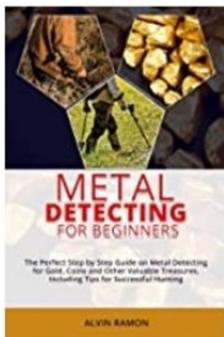
Free E-Books – by Bob Johnson

Read a good e-book lately? [The Bookseller](#) estimates that e-books now represent 36% of all books sold. While I still love physical books, I also appreciate the many advantages of an e-book, and I've always enjoyed the advantages of **free**. Your public library now has many e-books. It is a wonderful convenience to not have to go to the library to pick up or return a book. It is also wonderful to be able to read them on virtually any device – PC, tablet or smart phone. I now have a whole bookshelf on my phone and whenever I have a few spare minutes waiting in a long line, sitting on the bus, or lying in bed with the lights out, I can pull out my phone and catch up on some reading.

Of course, when it comes to e-books, Amazon is the 800 lb. gorilla. They now have over 6 million Kindle titles with new ones being added every couple of minutes. Voracious readers subscribe to Kindle Unlimited for unlimited reading (and audio books) for \$9.99 a month. There are over 1 million titles available in the Kindle Unlimited program and subscribers can have up to 10 checked out at any one time. Amazon Prime subscribers can have one checked out at a time. If you are not a subscriber you can still *buy* Kindle e-books (generally for significantly less than the physical book) but on any given day there are also **hundreds** of Kindle books available for **free**. Some of these free books are public domain (old and out of copyright) these are typically available long term. But many others are by new authors seeking to build an audience (and get reviews) for their new books. These freebies will typically be for a very short time (a day or two) so this selection will change daily. Unlike the library or Kindle unlimited, once you “buy” these, they are yours to keep *forever*.

So how do you find these free books? [The best tool I have found is **Jungle Search**](#) <http://www.jungle-search.com/US/kindle> When you call up this tool, simply fill in your search criteria and hit “Search Kindle Books” at the bottom of the page.

The main fields that I fill in are KEYWORDS (i.e. “fossils”, “minerals”, “jewelry”, etc.), LANGUAGE (English), and MAX PRICE (0). Often, I just search for the keyword “nonfiction” which brings up 400 *pages* of listings. This search engine is **not** perfect. It may bring up some results that are not what you had in mind (99% of the results for the keyword “rocks” had nothing to do with geology ;-)) It may bring up several books that are not in your specified price range or that are only free for Kindle Unlimited subscribers but not free to buy.



METAL DETECTING FOR BEGINNERS: The Perfect Step by Step Guide on Metal Detecting for Gold, Coins and other...
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Or \$0.00 to buy

(con't p. 14)



Web Corner – Web and Computer Resources for Rockhounds (con't)

If you are only looking for free books, make sure that it says **"Kindle Edition \$0.00"** or **"\$0.00 to buy"**. If it *only* says **"Kindle Edition \$0.00 kindleunlimited"** then it is only free for kindle unlimited subscribers.

If you see a book you are interested in, then click on the cover image for more details. Double check on that page that the Kindle Price is \$0.00 and click on the "Buy now" button.

Over the last couple of years, I have downloaded ***hundreds*** of these free books on a wide range of topics. Whenever I find one of particular interest to our hobby, I post the link to our [DGMG Facebook Page](#). Here are a few recent finds:

[Minerals and the Crystalline State](#) – introduces the study of minerals and crystal structures.

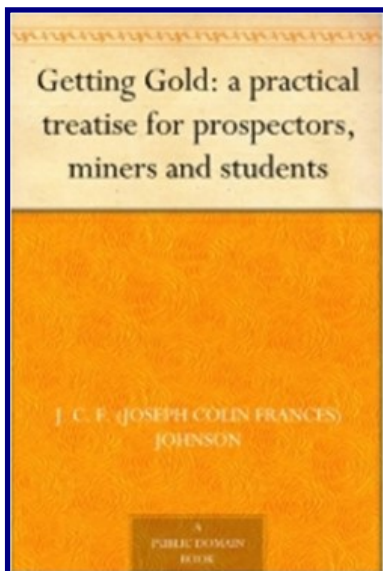
[10 DIY Earrings: Chain Earrings, Metal Earrings, Wire Earrings and More](#) – Ten well illustrated projects with step by step instructions. Also includes a link to signup for their free newsletter.

[Mother's Day Jewelry Gifts: 8 free Jewelry Making Tutorials](#) – a well-illustrated book with step by step instructions for 8 different projects including a glass photo pendant (very cool). Contains links to online sources for additional projects.

[Dinosaurs of the Morrison Formation](#) - Want to know more about the Bone Wars? This book is full of intriguing facts about the various dinosaurs fossilized in the Morrison Formation, and two paleontologists who spent years uncovering them - Edward Drinker Cope, and Othniel Charles Marsh.

[Getting Gold: a practical treatise for prospectors, miners and students](#) – You can buy a hardcover copy for \$34.99 or you can get the e-book for free. This is the 1898 edition by J.C.F. Johnson. It discusses what was known at that time about how gold was deposited, how to prospect for gold, and various methods for processing ore to extract

the gold. The last chapter includes a number of techniques for other needs that a miner may need to deal with in their daily life such as: how to make charcoal, how to measure the height of a standing tree, how to find the depth of a shaft, how to remove rust with a chloride of tin, how to prevent rust using quicklime and olive oil. It's an interesting read to learn just how things were done back then.



DENVER GEM & MINERAL SHOW MINI REPORT MARCH 2020

The Denver Gem & Mineral Show is September 18 - 20, 2020; the theme is Fluorite. The show venue is the usual Denver Mart, 451 E. 58th Avenue. The Show Chair is **George Daggett**, who can be reached at geoddaggett@hotmail.com or 303-453-9651. **George** is always open to talking with club members regarding the show. **Linda Burns** has accepted the position of Show Chair Elect. **Linda** is a member of the Denver Gem & Mineral Guild and can be reached at 303-263-0391 or burns.henley@gmail.com.

So now that you know the details about the 2020 show, here are some facts you may not know about the show. The 2020 show will be the 53rd Denver show. The Denver show is owned by the Greater Denver Area Gem and Mineral Council, a 501(c)(3) non-profit organization, and is the Council's primary program. The Council was incorporated as a non-profit organization in 1985 and is the successor to the Denver Council of Gem and Mineral Societies, Inc., which was incorporated in 1971. The Council is made up of the eight local clubs: Colorado Mineral Society, **Denver Gem and Mineral Guild**, Flatirons Mineral Club, Friends of Mineralogy - Colorado Chapter, Littleton Gem and Mineral Club, Mile Hi Rock and Mineral Society, North Jeffco Gem and Mineral Club, Inc., and Western Interior Paleontological Society. Each of these clubs appoints a Trustee to represent their club. The Council elects the usual officers - President, Vice President, Secretary, and Treasurer - who, along with the Trustees, conduct the business of the Council. The Council was formed to promote exhibition, exploration and education in the earth sciences; for the discovery, development, and preservation of minerals and mineral deposits, and for the advancement, encouragement, and utilization of the principles of art and craftsmanship as applied to gems and minerals. Even though fossils are not mentioned specifically in the Council's mission statement, the Council fully supports the paleontological community and its activities as evidenced by grants that have been made for many paleontological projects. The Council has made approximately \$500,000 in grants to other non-profits in support of its mission statement over the years. That is an impressive history and it all results from the Denver Gem & Mineral Show. The Council also supports the local eight clubs with an annual grant of \$250 based on Trustee attendance at the quarterly council meetings.

For additional information, the Council published *The Denver Gem & Mineral Show - A Retrospective*, celebrating the 50th anniversary of the show. A copy should be available from your club. In addition, the Council publishes an annual report of the show and Council, which includes pertinent details about each show such as show theme, attendance, competition winners, exhibits, and grants made. The annual reports began in 1996 and many are still available.

So now you know! And now you know why it is so important that club members likewise support the show by volunteering. There are so many easy ways to support the show. Talk to your friends and fellow hobbyists. Find out more about the show and ways to help with the show. It is fun, interesting and educational. It will help you learn more about gems, minerals, and fossils. And after all, that is a goal for all of us, isn't it?

Respectfully submitted, Judy Knoshaug, Show Secretary



FOR SALE: YOUR DREAM Mineral Specimen Museum style Storage Cabinet

This is heavy duty steel cabinet that comes with eleven drawers.

Designed for the permanent protective storage of heavy rocks and fossils.

The outside dimensions are: 37" High, 29" Wide, and 32" Deep.

The drawers are 2" high.

Condition: Used. There is some rust on the top and scuff from use.

Functionally in very good condition. Includes two keys for locking the cabinet

Manufactured by Lane Equipment and the current new cost is about \$3,000.

Asking \$500.

Contact Jon at jhaacke@outlook.com or 303-237-5837.

(NOTE: Jon Haacke was **Beth Simmons'** field partner for their senior projects at Allegheny College back in Meadville, PA in 1967-'68!) (Poor guy!)



Calendar of Coming Events by **Pete Modreski**

Please note: **Pete** has been maintaining and distributing this calendar of geologic events for many years. He is now planning to retire from the USGS. BUT he's planning to keep the calendar going.

SAYS **PETE**:

"just as a personal thing to do, as a public service. I'll write to everyone on my mailing list, to ask/confirm that they all still want to receive these emails, coming from me personally and not from the USGS. If I do this rigorously, as I probably should, and ONLY keep those people on my mailing list who respond to my request to write back and confirm that they want to keep receiving emails, I'm sure that my list will shrink to probably 1/10 of what it is now. If I do it the other way, and only remove those people who write back and say "remove me from the list", then it would be the opposite, probably only 1/10 or less would be

Thurs., Mar. 12, 7:30 p.m., bimonthly meeting, Friends of Mineralogy, Colorado Chapter, featuring Scott Werschky, Reno, NV, mining geologist, mineral dealer (Miner's Lunchbox, specializing in gold specimens and "investment quality mineral specimens"), and board member of the Rice Museum of Rocks and Minerals. Presentation topic TBA. Berthoud Hall Room 108, Colorado School of Mines campus, Golden. See <https://friendsofmineralogycolorado.org/> for more info when available.

Fri., Mar. 13, North Jeffco Gem & Mineral Club Silent Auction, APEX Community Center, 6842 Wadsworth Blvd., Arvada, setup at 5:30 p.m., auction begins at 6:45 p.m. All are welcome. For more info, Bill Jones, 303-503-6288, email sidewindermin@comcast.net.

Fri.-Sat.-Sun., Mar. 13-15, Fort Collins Gem & Mineral Show; at Thomas M. McKee Building, at The Ranch/Larimer County Fairgrounds, 5280 Arena Circle, Loveland, CO (I-25 exit 259); hours 4-8 Fri., 9-6 Sat., 10-5 Sun.; adult admission \$4. Sponsored by the Fort Collins Rockhounds Club.

Thurs., Mar. 19, 7:00 p.m., Colo. Sci. Soc. Monthly meeting, **2019 Colorado Avalanches: A case history of destruction in Hinsdale County, impacts to historic mining dams, and how snow avalanches may influence development of rock glaciers**, by Jonathon Lovekin, Colorado Geological Survey. Berthoud Hall Room 241.

Fri.-Sat.-Sun., Apr. 10-12, 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.

Thurs., Apr. 16, 5:30 p.m., **Rise of the Mammals: Exceptional Continental Record of Biotic Recovery after the Cretaceous–Paleogene Mass Extinction** (about the Corral Bluffs fossil mammal find), 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**

Sat., May 16, noon-4 p.m., **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, 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, noonish, 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

The Denver Gem and Mineral Guild 2020 membership roster will be printed and distributed at the April 14th meeting. Please sign up or renew your membership at the March meeting or send by mail to the Club House address at the bottom of the membership form by March 31, 2020. Even though our membership is open year round, we only print the membership roster once a year.

Since field trip season is fast approaching, remember that field trips are for members only and that the membership form and a liability waiver for each person must be received 2 weeks prior to the field trip.

DENVER GEM AND MINERAL GUILD MEMBERSHIP 2020

☐ Renewal ☐ New Membership

Annual Dues:

- ☐ Individual=\$15.00
- ☐ Family=\$25.00 (Family is one or two adults, living at the address, and your children, under 18)

Primary member _____ Birthday _____
Name Month Year

Phone number _____ Email address _____

Spouse/Partner _____ Birthday _____
Name Month Year

Phone number _____ Email address _____

Anniversary Month _____

Junior Member _____ Birthday _____
Name Month Year

Junior Member _____ Birthday _____

Name Month Year
Name Month Year

Junior Member _____ Birthday _____
Name Month Year

Address _____

City _____ State _____ Zip Code _____

☐ Check this box if you DO NOT want your name, phone number and email address included in the Members Only section of the DGMG website.

interests and Skills (check all that apply)

- Fossils
- Lapidary
- Faceting
- Jewelry
- Have a collection
- Display at shows
- Attend mineral shows
- Willing to volunteer at shows
- Field trips

☐ Mineral collector: (list favorites)

☐ Willing to share special skills with others:

Signed: _____ Date: _____

Return membership form, liability form for each person, and payment to Membership Chairman at a monthly meeting or mail to: **DGMG**

DGMG
Membership Chairman
1420 S. Reed Street
Lakewood, CO 80232

DENVER GEM AND MINERAL GUILD**RELEASE OF LIABILITY**

By signing below, I acknowledge that all activities sponsored or conducted by the Denver Gem and Mineral Guild (DGMG), a Colorado non-profit organization, may be hazardous and may result in loss, damage, or death.

With full knowledge of these dangers, and in consideration for my acceptance as a member of the DGMG and participant in any and all field trips and activities sponsored by the DGMG, and the services and amenities to be provided by the DGMG in connection therewith, I confirm that I have read the foregoing and voluntarily assume all risks of such damages and hazards occurring in connection with the activity. I hereby agree for myself, all my family, and heirs to RELEASE the DGMG and any of its trip leaders, club officers, club members, hosting property owners and claim owners, instructors, guides, or representatives from liability, claims, demands, or any causes of action.

I UNDERSTAND THAT THIS IS A LEGAL DOCUMENT AND BY SIGNING IT, I AM GIVING UP MY RIGHT TO SUE OR OTHERWISE MAKE ANY CLAIM against DGMG or any of its trip leaders, club officers, club members, hosting land owners and claim owners, instructors, guides, or representatives which may arise during my participation in any and all activities of the DGMG or activities I conduct as an individual on DGMG owned or leased properties.

I intend this RELEASE OF LIABILITY to be effective whether or not any loss, damage, injury, or death RESULTS FROM NEGLIGENCE of the DGMG or any of its trip leaders, club officers, club members, hosting land owners, and claim owners, instructors, guides or representatives. I understand that negligence means failure to do an act which a reasonably careful person would do, or the doing of an act which a reasonably careful person would not do, under the same or similar circumstances to protect himself, herself, or others from injury or death.

I agree to be solely responsible for my own safety and to take every precaution to provide for my own safety and wellbeing while participating in the activities of the DGMG. Also, I understand that on DGMG trips, there may not be rescue or medical facilities or expertise, which may be necessary to deal with potential injuries to which I may be exposed. I understand that these risks exist and notwithstanding them, I wish to participate in DGMG activities.

I HAVE READ THIS RELEASE AGREEMENT AND HAVE FULLY INFORMED MYSELF OF ITS CONTENTS BEFORE I HAVE SIGNED IT. ALSO, I PLEDGE TO UPHOLD THE CODE OF ETHICS ATTACHED TO THIS RELEASE.

Printed Name (Please print legibly): _____

Signature: _____ Date: _____

IF UNDER 18 YEARS OF AGE, PARENT OR GUARDIAN MUST READ AND SIGN BELOW

I am the legal guardian of the above minor and have read the above RELEASE. I hereby consent to the terms of the RELEASE on behalf of the named minor and give my consent to the participation of the above-named minor in all activities of the DGMG on the terms stated.

Signature: _____ Date: _____