



San Diego Mineral & Gem Society, Inc.
A Non-Profit Educational and Scientific Organization

THE PEGMATITE

JANUARY 2019



CHRISTMAS ON THE PRADO aka DECEMBER NIGHTS

*Did we have fun? Read the review,
see the photos on page 6!*



CHRISTMAS POTLUCK & ORNAMENT CONTEST

*The fun just never ends. Read the review,
see the photos on page 8!*

Official bulletin of the San Diego Mineral and Gem Society, Inc.

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American Federation of Mineralogical Societies
American Lands Access Association

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Liability: The San Diego Mineral & Gem Society, Inc., is not and cannot be held responsible and liable for personal injuries, for damage or loss of property at any meetings, field trips, classes, shows, or any event sponsored or recommended herein.

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The mission of the San Diego Mineral and Gem Society, Inc., is to disseminate knowledge of mineralogy and earth sciences; to encourage the study of these subjects; to conduct classes in mineralogy and lapidary arts; to conduct field trips for the collection and study of specimens; to encourage interest in mineralogy and lapidary arts among young people; and to procure and maintain a collection related to the earth sciences and lapidary arts.



SDMG
General Meeting
Monday, January 28, 2019
7pm, SDMG bldg.
Jim Parrish, President

**A visit to the historic
Iron Mountain Iron Mine
& Wisconsin Dells**

By Wayne and Peggy Leibitzke

THIS LAST SUMMER Wayne and Peggy travelled to Wisconsin and Michigan to visit family. As in past years they always manage to fit in a side trip or two. This year they visited the famous **Vulcan Iron Mine** near Norway, Michigan. Please join us for a picture tour of their trip. They'll also take us on a side trip to the very interesting **Wisconsin Dells**.

As usual, we will have door prizes and refreshments. (Don't forget to bring some to share)

Below, is some information and a website link in case you'd like to visit this interesting Michigan locality.

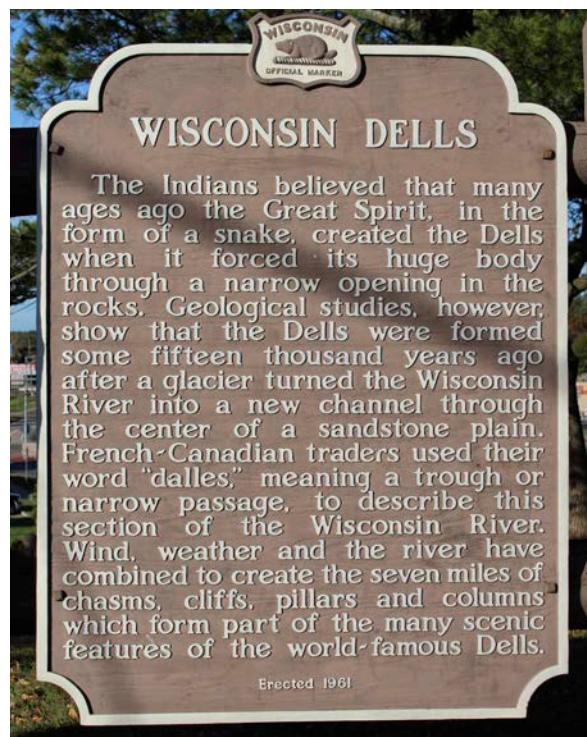
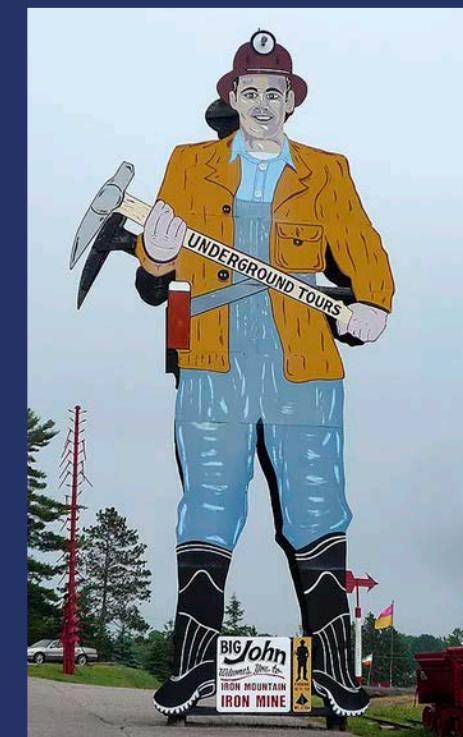
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**Some notes from the Iron Mine website**

In 1956 three Iron Mountain businessmen, **Eugene Carollo, Albert Carollo, and James Goulette** had an idea for an attraction that would give people a view of iron mining as it once existed. On the site of the East Vulcan Mine **Eugene Carollo** rediscovered an exploratory tunnel that had not been used since the late 1800s.

The **East Vulcan Mine** (at one time called Breitung) was one of first two mines on the Menominee Range. Its history dates back to 1877 when it was owned and operated by the Menominee Mining Co. In 1885 it was purchased by Penn Mining Co., which operated the mine until the lease ran out in 1945. The **East Vulcan Mine** produced and shipped ore every year between 1877 and 1945 except 1921 and 1932. During the span of 68 years the mine produced 21,625,000 ton of ore. The original mine of **East Vulcan** consisted of shafts 1, 2, 3, 4 and later the East Central Shaft. At the peak of production, the mine employed 1500 men.

<http://ironmountainironmine.wixsite.com/ironmine>



Marker 104 was erected in 1961 by Wisconsin Historical Society, Wisconsin Dells, Sauk County, Wisconsin. © Wisconsin Historical Society, October 9, 2014.



## Newsy Nuggets

*Stories you may have missed*

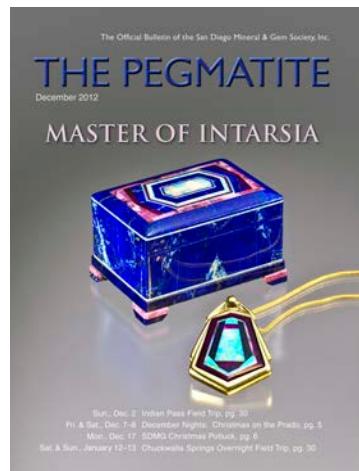
### The art of Intarsia.

[Wilensky Fine Minerals](#)

is currently exhibiting the lapidary artistry of Nicolai Medvedev at its New York gallery through February 28th. “Medvedev: Master of Intarsia” explores the art of stone inlay for which Medvedev is world-renowned.

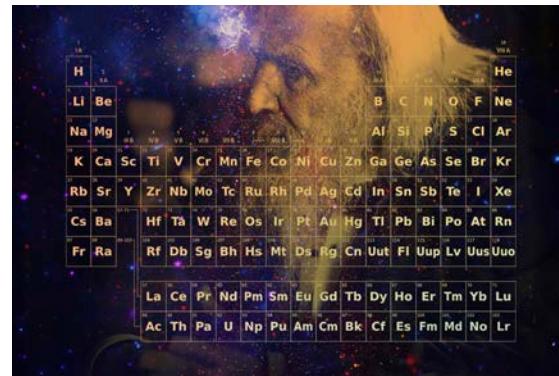
Readers of *The Pegmatite*

may recall a feature story about Medvedev and his craft, with beautiful photos by Harold and Erica Van Pelt. (By the way, Wilensky Fine Minerals will be showing at the Westward Look Show in Tucson, February 8–11, 2019.)



Credit: Dominion Diamond Mines.

**Record-setting diamond find.** The largest diamond ever discovered in North America was unearthed at the Diavik Diamond Mine, northeast of Yellowknife, Canada, in October, 2018. Weighing 552 carats and measuring 33.74 x 54.56 mm, the yellow diamond is about the size of a chicken egg. It ranks among the 30 largest diamonds ever found. Despite its rough state and abrasions suffered in the processing facility, Shane Durgin, CEO of Dominion Diamond Mines, is pleased to report that it's a gem-quality fancy yellow diamond.



Credit: WikiCommons.

**Mind the gaps.** Four new elements and their symbols were ratified in July 2017, at the General Assembly of International Union of Pure and Applied Chemistry (IUPAC). They are nihonium (Nh, atomic number 113), moscovium (Mc, atomic number 115), tennessine (Ts, atomic number 117), and oganesson (Og, atomic number 118). These new superheavy elements do not exist in nature but are highly unstable, short-lived creations synthesized in laboratories. The fourth element was named after nuclear physicist Yuri Oganessian, who headed of the joint team of Russian and American scientists that first synthesized the new element in 2002. (The same team also worked on the other three elements.) Oganesson has the highest atomic number and highest atomic mass of all elements currently known. Tennessine was synthesized in 2010, making it the most recent discovery.

With their ratification by the IUPAC, the four new elements fill all the gaps in the seventh row of the periodic table. Work is already under way to synthesize elements 119 and 120, which will start the eighth row. It is uncertain how many elements remain to be discovered. In the 1940s Danish physicist Niels Bohr (1885–1962) predicted that fermium, element 100, would be the last element of the periodic table. American physicist Richard Feynman (1918–1988) predicted that element 137 would be the last.

**Faceted pearls.** *Courtesy of Rui Galopim de Carvalho* – In the legendary 1908 *The Book of the Pearl* by George Frederick Kunz and Charles Hughes Stevenson we can read from the start that pearls needed no art to enhance their beauty. So true, but there are exceptions namely all the treatments that are used to enhance/modify the pearls' visual appearance (e.g. bleaching, staining, heating, irradiation, maeshori, peeling). And there are also curious exceptions: In 1998, after two decades of research, the firm Komatsu Diamond Industry introduced a faceting technique for pearls where sometimes up to 200 facets totally covered the nacreous surface of the pearl.

**Speaking of pearls...** The theme of the Sixteenth Annual Symposium is Pearl. The event is set for Saturday, April 27th and will be co-sponsored by GSSD and GIA. It will be held at the GIA worldwide headquarters in Carlsbad, CA. The program is not yet finalized. When it is, details will be posted on the official website ([sinkankassymposium.net](http://sinkankassymposium.net)). Check the website toward the end of January. Online registration will open after Tucson. If you want to receive a notification when registration opens, you can sign up at SDMG's mailing list page at (short URL): <https://goo.gl/KZqPsc> (Be sure to check the box next to Sinkankas Symposium.)



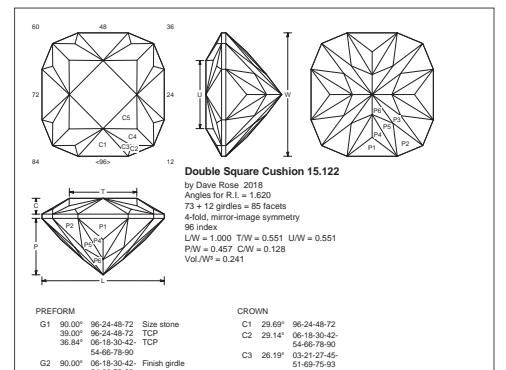
Faceted pearl by Robin Coon, San Diego. Photo: Gem Guru.



### Faceting Cut of the Month: Double Square Cushion 15.122

SDMG member **Dave Rose** shares a faceting design this month – the **Double Square Cushion 15.122**. Although he is a long-time faceter and has taught faceting at **SDMG** in the 1990s, he is currently taking a class to learn competition cutting from **Bill Brisebros**. **Dave** designed the **Double Square Cushion** cut for a gem with a very high refractive index, and he plans on entering his facet design executed in Lithium Niobate, with a refractive index of 2.3, in the next San Diego County Fair competition. However, the published cut is optimized for lower RI material (see illustration at right). This cut has a preform to establish the angled girdle sections, but it's designed to have no size reduction due to the preform. This cut is registered with Long and Steele number 15.122 on Robert Strickland's website "Faceting Diagrams" at: [www.facetdiagrams.org](http://www.facetdiagrams.org).

We have Dave's permission to publish his diagrams. Download the diagram from the SDMG website at: <https://goo.gl/BpHZ4S> (short URL).



**Miner's Lunchbox Inc.**  
**Reno, NV 89502**

*New Year's message from*  
*R. Scott Werschky*  
*scott@minerslunchbox.com*

**M**INER'S LUNCHBOX is happy to announce the completion of its new website. Please check it out ([www.minerslunchbox.com](http://www.minerslunchbox.com)), enjoy the minerals, and please email us feedback with your impressions. The site is for you, the collector, so please let us know what you like as well, as what you think needs improvement.

On a somber note, our friend **John Veevaert** passed away in 2018, as most of you know. He was in an auto accident while in Washington, D.C. evaluating a mineral collection. In an effort to help **Ronna** transition into **John's** mineral business, I offered to purchase the collection, sell it online, and give the profits to **Ronna**. I now have the privilege to announce the purchase of the **Don Zowader Collection**. It is being shipped back to Reno at this moment, and as soon as possible, we will be posting it online. We hope to have things available to you around Tucson show time, and will keep you posted on our progress.

\* Miner's Lunchbox will be at the Westward Look Resort for the Fine Minerals Show, February 8–11.

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*Identification service  
 of crystalline materials, natural or manmade.*

**W**ITH THE HOLIDAYS now behind us, we start getting ready for the Tucson Gem and Mineral Show! If you have any minerals or gemstone rough you want identified beyond any shadow of doubt, you can send us a small sample very inexpensively for X-Ray Diffraction, and we shall send you a report of your results promptly.

## This 'n' That...

### General Announcements

Winter classes start date:  
 Monday, January 7th

SDMG Board Meeting  
 Monday, January 21, 2018  
 7:00pm SDMG Building

## SDMG ANNUAL BANQUET

### SAVE THE DATE!

Saturday, March 16, 2019

Jennifer Stapp, Chair

**O**UR 85TH BIRTHDAY PARTY will be held at **Elijah's Restaurant**, at 7061 Clairemont Mesa Blvd., which is conveniently located near the I-805, I-52 and I-5 freeways.

An evening dinner is planned and the special guest speaker will be **Larisa Zolotova**. We look forward to her presentation on making CAD jewelry.

Please start thinking about what you might make to donate to the door prize table.

## SDMG-GSSD Library

SDMG Bldg.  
 Donna Beers

### Hours:

Tuesdays 2–4pm  
 Thursdays 4–6pm

*Reference use only, no lending.*

**Access the catalog online at:**

<https://cloud.collectorz.com/sdmgmerklib/books>

### Who may use the Library?

Membership is not required to view the catalog, but only **SDMG** or **GSSD** members may come use the reference library.

### We Need Volunteer Assistant Librarians.

Members willing to volunteer in the Library will enable us to extend the hours of access.

**If you can help out, contact Donna:**  
[librarian@sdmg.org](mailto:librarian@sdmg.org)



## SDMG's ANNUAL OPEN HOUSE CHRISTMAS ON THE PRADO (aka DECEMBER NIGHTS)

*Reviewed and Photographed by Jim Parrish*

WELL, IT WAS ANOTHER FUN and successful event this year. I am sure most of you have experienced **“December Nights,”** the annual holiday celebration at Balboa Park. If not, you need to!

Our Society’s museum and shop area were very busy with visitors and customers. They were three and four deep waiting to get in on the bargains. We had a waiting line for the opening on the first day.

This event starts weeks before with a thorough cleaning of the Museum and its display cases, along with many hours of organizing and pricing the donated material that were going up for sale at the event. This was accomplished by **Angela** and **Garry Cannon**, along with **Jim** and **Sally Parrish**. The day before the event everything was set up and arranged on the selling tables. I want to thank **Mike Harlow**, **Wayne** and **Peggy Leibitzke**, **LuAnn Benton**, and **Sally Parrish** for helping with this. It’s a lot of work!

The Museum was decorated (thanks to the decorators) and the potluck food area had plenty of eats, including **Paul Williams’** infamous chili. Thanks to all those who brought food to share. It was really good!

**Dave Smith** and **Doug Peeler**, with help from **Nancy Brescia** and **Rocio** and **Alan Bergum**, sold items to benefit our junior group. The remainder of the booth was run by an incredible and fun group that included **Letty Evans**, **LuAnn Benton**, **Nita Sani**, **Kerry Stone**, **Donna Casey**, **Nancy Brescia**, **Rocio** and **Alan Bergum**, **Angela Cannon** and **Jim Parrish**. Everyone worked hard into the late hours of Friday and Saturday.



**Above left.** Holiday revelers throng the courtyard of Spanish Village.

**Above right.** Jim Parrish, Angela Cannon, Kerry Stone, and LuAnn Benton staff the selling tables.



**Top left.** Nancy Brescia and Doug Peeler.

**Bottom left.** Paul Williams demonstrates the process of sphere-making to visitors who wandered into the workshop.

**Top right.** There were lots of shoppers this year looking for unique holiday gifts at bargain prices. They were not disappointed.

**Bottom right.** Junior Kensington McGeehan and her mom Leslie look on as David Lipson demonstrates sphere-making.

All the hard work was very fulfilling after seeing the thousands of smiling faces and amazing Christmas spirit from everyone – our members and the visiting public.

The **December Nights** Open House wouldn't be possible without all the generous donations we receive on a continuous basis. Just before the event we received a nice donation from the **Hesse Family** of Whittier, California. They donated some beautiful large quartz specimens for use in our sale. Also, I must mention the annual donation of a 50 lb. box of large tumbled stones from **Herb and Mary Walters** of Ramona.

Our shop area was kept open by numerous volunteers which included **Paul Williams, Dave Lipson, Denny Turner, Bob Hancock, and Rich Yarbrough**. I probably missed a person or two. If I did, I apologize, and thank you for your time and effort, which made **SDMG's** Open House a great success this year.

Please consider donating some of your collection or time to this or other events in the coming year. I guarantee you will enjoy yourself.

Happy New Year.



## SDMG's ANNUAL CHRISTMAS POTLUCK & ORNAMENT CONTEST

Reviewed and photographed by Jim Parrish

**K**UDOS TO JENNIFER STAPP and **Melissa Ordway** for co-chairing the **2018 Christmas Potluck** and **Sharon Griswold** for running the **Ornament Contest**. About 130 revelers showed up at the event venue – Room 101 of Casa del Prado – making the year-end celebration one of our best-attended holiday events in years. The food was fabulous and the atmosphere made festive with holiday bunting and decorations festooning the tables.

The event could not have been done so artfully and would not have been run so smoothly had it not been for a small army of volunteers who deserve a big round of thanks – **Mark Campo, Donna Casey, Mike Harlow, Peggy Leibitzke, Lois Lukasky, Anne Schafer, Dave Smith, and Jill Williamson**.

**Jim Parrish** welcomed everyone and made some remarks recapping the year and thanking everyone who teaches, demonstrates, and volunteers his or her time in support of the Society. Quite a few members help fund our events out of their own pockets and donate items to raffle at club events throughout the year. Speaking of raffles, the **Door Prize Raffle** at this year's **Potluck** once again was masterfully and entertainingly emceed by **Simon King** and

**Above.** Christmas spirit was on full display at the 2018 Potluck. *From left to right.* Denny Turner, Heather Hochrein, and Jim Mellos with Richard Mueller.

**Below.** *Left.* The Kruzels. *Right.* Gladys Walker and Simon King.





**Top. Left.** Ray Pierce steps up to inspect the Door Prizes. **Right.** The happy winner of the Silent Auction hardstone carving of a bear.

**Middle (below).** SDMG members and their guests gather around one of the food tables. In the foreground, *left*, Lois Lukasky, and *right (front to back)*, Elbert McCune, Donna Beers, and Angie Cannon.

**Bottom.** Happy consumers. *Left.* Garry Cannon (wearing a cap) and Lee Bennett. *Right.* Angie Cannon.

**Gladys Walker.** There were some wonderful items this year for the **Silent Auction** thanks to generous donations from friends of the Society, with some extra special items donated this year. Thanks also to **Anne Schafer, Sally Parrish, and Letty Evans** for running the auction, from setting up the tables and laying out the items to tracking the bidding and collecting the proceeds from the winners.

The tables were laden high with scrumptious fair. There was sliced ham, turkey, cranberries, gravy, potatoes, dressing, spicy meatballs, lasagna, pasta salad, green salad, vegetable trays with dip, cheese and salami with crackers, and oh, the pot stickers(!). The desserts were heavenly – pies, tarts, brownies, and handmade candies.

**Sharon Griswold** was in charge of the **Christmas Ornament Contest**. **John Kruzel** won first place for his ornament, while **Sally Parrish** and **Angela Cannon** tied for second place honors.



Thanks to the hardworking crew who efficiently dispatched the clean-up duties at the end of the evening. **Chairladies Jennifer** and **Melissa** deserve a round of applause for coordinating a very merry **Christmas Potluck**.



## *Deserts of California*

by Stephen P. Mulqueen\*

### WHY IS THE MOJAVE DESERT such a great laboratory for the study of the geosciences?

The Mojave Desert is a vast region composed of an abundance of rock units containing complex mineral assemblages in an active tectonic setting. These factors allow the field observer to gather an abundance of scientific knowledge regarding all aspects of the geological sciences while exploring the Mojave.

**Variety of Rocks and Minerals –** The Mojave Desert contains a vast sequence of rocks that represent the three rock types including sedimentary, igneous and metamorphic. This variety of rocks with their associated mineral deposits is unparalleled in the realm of the geological sciences. The Mojave contains at least “one of each” of the unusual varieties of rocks and minerals known to occur within the Earth’s crust.

**Oldest Rocks –** Some of the oldest rocks in California are found in the Mojave Desert. The oldest rocks in this desert region range in age from 1.7 to 2.5 billion years old. These ancient rocks are metamorphic, date from the Early Proterozoic Eon of the Precambrian Era and consist of altered sedimentary, volcanic or intrusive igneous rocks. These old rock units tell a story of early depositional or intrusive events followed by exposure to harsh tectonic forces under conditions of deep burial, intense heat and extreme pressures.

**Marine Sedimentary Sequences –** The Mojave contains examples of deep marine depositional environments and stratigraphic sequences, features that cannot be easily observed at the extreme depths of the oceans. In some regions of the Mojave, stratigraphic sequences represent the entire marine environment from near-shore to deep ocean basins,

preserved in the sedimentary rock units. The Mojave also contains marine fossils representing the earliest life forms to emerge on the Earth.

**Gold Deposits –** Some geologists and prospectors have proclaimed that the Mojave is “full of gold”. This statement is actually true. Gold can be found throughout this desert region in the form of hard-rock occurrences, large disseminated deposits and placer accumulations. Gold can be found in varying amounts just about everywhere in the Mojave. Some of the old prospectors would state, “For every dime’s-worth of gold mined from the ground, there is a dollar’s-worth remaining”. This is still true today in the Mojave Desert.

**Metallic Ore Deposits –** The Mojave Desert contains thousands of large metallic ore deposits besides the abundance of gold. Ore deposits of the Mojave include minerals containing varying amounts of iron, lead, silver, zinc, copper, titanium, platinum, tin, gallium, cadmium, bismuth, tungsten, vanadium, chromium, manganese, magnesium, cobalt, nickel, molybdenum, beryllium, strontium, barium, lithium, radium and the rare earth metals. (Partial list.) Many of these deposits have been mined for their valuable resources. Desert features exhibiting abandoned mining operations are indicators of the rich deposits that occur or have occurred in the Mojave Desert. These mines and metallic deposits offer geologic lessons in ore chemistry, mineralogy and mining history.

**Industrial Mineral Deposits –** Industrial minerals are natural resources that are in demand by industry and society for their physical and/or chemical properties. Examples of industrial mineral deposits found in the Mojave Desert may include aggregates (sand & gravel), natural brines containing chemical resources, clay (kaolinite, bentonite, hectorite, etc.), barite, diatomite, borate minerals (borax, colemanite, etc.), dimension stone, feldspar, fluorspar, limestone/dolomite, marble, mica, potash, pumice, quartz, slate, silica sand, sulfur, talc, vermiculite and zeolite. (Partial list.) These deposits offer fantastic lessons

**Stephen P. Mulqueen** is a retired geologist and rockhound enthusiast who has researched and written about the Mojave Desert for many years. He graduated from Cal Poly Pomona in 1978. He is an active member and past president of the Ventura Gem & Mineral Society. He currently resides in St. George, Utah.

to geology students about geochemistry, depositional environments and industrial uses of minerals.

**Lake Deposits –** The Mojave Desert has many examples of the depositional features common to enclosed lake basins, now exposed as ancient lacustrine deposits. The Barstow Formation exposed in the Barstow Basin and the Calico Formation in the Calico Hills are two great examples of lake deposits exposed at the surface. These deposits offer wonderful examples of sedimentary structures such as ripple marks, tectonic features such as folding/faulting, industrial mineral deposits such as borate accumulations and details of soft sediment deformation. The Barstow Basin is frequently visited by geology students for field studies on sedimentary rocks and geologic mapping.

**Landslides, Rock Falls and Mudflows –** The Mojave contains many examples of the process known as “mass wasting” caused by the sudden release of unconsolidated rock and mud debris. Flashfloods and mudflows are common in the desert regions due to the occurrence of cloudbursts and the inability for rainwater to be quickly absorbed by the thin underdeveloped soils. Windstorms can obstruct views and at the same time can offer examples of the intense forces of nature at work in the desert.

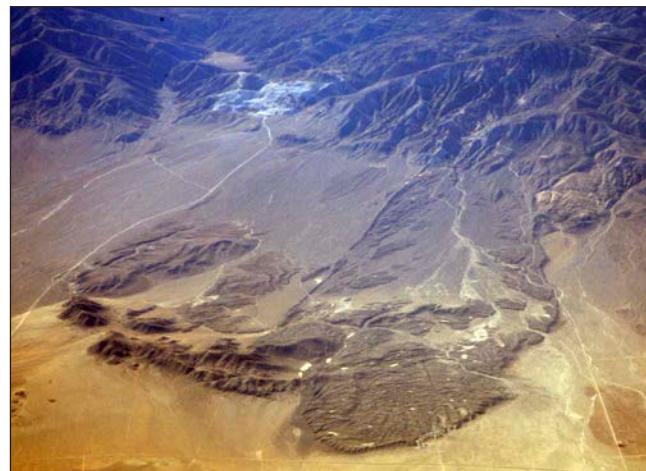
One of the largest landslides in North America is known as the Blackhawk Landslide, located on the north slope of the San Bernardino Mountains in the southeastern portion of Lucerne Valley within

The present article is the fourth in a series of five published in *Rockbound Rambling*, the official bulletin of the Ventura Gem & Mineral Society. The third article of the series was re-published in *The Pegmatite* in October 2018. The present article covers a sub-topic that is completed by the fifth and final article in the series. The last installment will appear in SDMG's February bulletin.

The present article is reproduced here by permission of the author and courtesy of VGMS; it originally appeared in *Rockbound Rambling* Vol. 64, No. 11 Nov-Dec 2018: 14–15.

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the Mojave Desert. The landslide debris field is approximately 5 miles long, 2 miles wide and 30 to 100 feet thick. This slide occurred during a year of abundant rain around 17,000 years ago. Geology students from colleges throughout the country have conducted detailed fieldwork at the Blackhawk Landslide in order to study the complex nature of the causes of landslides.



Aerial view of the [Blackhawk Slide](#), Mojave Desert, California. It measures 5 mi. l. x ca. 2 mi. w. x 30-100 ft. d. The slide is one of the largest known in North America. This prehistoric slide occurred ca. 17,000 years ago, which is recent in geologic timeframes. It originated on Blackhawk Mountain, which is located on the north side of the San Bernardino Mountains, and it spread across the Lucerne Valley. Credit: Doc Searls, Wiki Creative Commons.

**Erosion –** Erosion allows for new rock exposures, the removal of the thin soil cover and the deposition of new sediment. Erosion is caused by the forces of wind, water movement and/or chemical degradation of rocks. This allows the field observer to witness geologic forces as they occur, revealing details of the complex nature of the Earth's crust. The Mojave is a great setting to observe the forces of nature at work and to see the depositional features related to those forces.

#### ***Additional References.***

The Blackhawk Slide. <http://www.lucernevalley.net/history/blackhawk.htm>

W. Feller. Digital Desert. <http://mojavedesert.net/overview/01.html>

USGS. General Geologic History. <https://pubs.usgs.gov/of/2004/1007/geologic.html>



H. Marie Brashear was well-known and loved by all in Virgin Valley. Marie and her family had been coming to the valley since the 1970s and had numerous claims and a millsite there. She was preceded in death by her daughter, Leah Brashear, of Denio/Virgin Valley (2005). Marie is survived by her grandchildren Richard and Crystal, and she now watches over them from above.

Marie was also heavily involved in many areas outside of Virgin Valley, including the California Desert Coalition, which she founded in the 1980s, Water for Wildlife, and most recently the Lucerne Valley Museum. She was busy on so many projects but loved to be working her mining claims in Nevada's Virgin Valley.

She passed on Monday, December 10, 2018 after a long battle with cancer. Her goals were to help build a museum for Lucerne Valley which currently has an Open-Air yard – she wanted to see a building erected to house the collections. Her steadfastness and enthusiasm was strong.

*Source: Lucerne Valley Museum Association.*

**Editor's note.** Even when she was gravely ill, Marie made the effort to attend the BLM's Desert District Advisory Council meetings. Her last DAC meeting was the special mid-week meeting held in March 2018 to consider the proposed DRECP plan-level review. She gathered herself up and gave 'em heck. She knew backward and forward all the regulations, proper procedures, and the whole sad history of marginalizing public interests in the desert. She advocated on behalf of Rockhounds and especially Ranchers, whose franchise in the desert has been eroded progressively for years. While she cared about preservation of the desert landscapes, she fought for sensible, balanced uses, which meant respecting the needs of desert residents and preserving the customs and the culture of the land.

## *Remembering H. Marie Brashear*

by Mark Algazy, Esq.\*

WHEN LISBET THORESEN, public lands representative for the **San Diego Mineral and Gem Society** asked me to consider writing about the loss to the outdoor community of **Marie Brashear**, I was kind of taken aback. Being both a writer and a public advocate, I'm usually not at a loss for words. But I was then. I hope that what I have to say here will join a long list of tributes to preserve the memory of such a worthy soul.

**Marie** was a beautiful person. The few that had to face her down may not have ever gotten past her bulldogged gaze, which mirrored the determination of her heart to make her point – always championing the cause of fairness. But for those of us who got behind that face and got to know her, she was truly the stuff that legends are made of.

She represented the gamut of the best of American imagination, part Huckleberry Finn and part Jedi Master. From the first time that I sat at a table with Marie back in the mid 1980s, she captured me with that conspiratorial eye and that sly smile. She was the embodiment of Huck Finn: she could get anyone to WANT to paint that picket fence! If Marie said something, it was the right thing to do.

Like Huck Finn, she wasn't interested in pretense; she made her points in a straight-forward, no nonsense way that was clear and compelling. The list of people who were similarly captured by the conspiratorial twinkle in her eye and the fairness in her heart is long and illustrious. I'm not going to name names here, but half the people who are reading this are already smiling with your own memories that confirm this.

And she advocated with such a strong sense of the both the law and the dynamics of the political landscape that had to be maneuvered in that we considered her a Jedi Master, guided by some larger force. You were not only captured by the merit of the causes she championed, but you wanted to learn her secrets, the force that guided her, that kept her aim so true.

Losing **Marie** is kind of like losing Yoda, the Jedi Master who not only linked us to our past, but remained vital until the end. **Gerry Hillier**, a former District Manager to the **BLM** recounted that less than 30 days before she passed, she was still calling him to ask questions about land use proceedings.

I am proud to say that I was her in all probability her last pupil, the last one she had the energy for. As I was dipping my feet back into the murky waters of land use 10 years ago, I thought I had a pretty good grasp of things...until **Marie** started in on me! For EVERY point I had to make, she had at least four more that I hadn't considered. There is no doubt in my mind that every land use advocate out there today that met her was similarly helped by the depth and breadth of her understanding of the playing field.

So, while we have reason to mourn this profound loss, we can also be proud of the legacy she left behind. Each one of us carries part of that force. And on those occasions when we can join those forces in the kind of coalitions she was always trying to build... LOOK OUT WORLD! Nothing left for me to say but thank you, **Marie**.



**Friends of Jawbone**  
A Nonprofit public benefit corporation

### The Friends of Jawbone (FOJ) is a Friend to Rockhounds.

**FOJ** is a non-profit, public benefit corporation dedicated to the promotion of outdoor recreation in the Jawbone Canyon area. Formed in 1998, Friends of Jawbone supports and develops projects to improve, protect and maintain existing trails and to promote understanding, education and cooperation among all users of public lands.

The Friends of Jawbone organization consists of off-highway users and their local, state and federal agency representatives. These groups work together to ensure the continued availability of multiple use recreational opportunities in the Jawbone Canyon and the surrounding area.



Mark Algazy is a long-time advocate of "public" in public land use policy. He is a member of Friends of Jawbone and past member of the BLM's Desert Advisory Council (DAC), representing the public-at-large. He is an articulate and thoughtful champion on behalf of common folk advocating transparency, outreach, and adherence to intelligible, rational processes in land use management planning. He has written some of the most cogent comment letters and critiques of complex projects such as the Desert Renewable Energy Conservation Plan (DRECP) and West Mojave Route Network Plan (WMRNP), whose purpose is to provide guidance on permissible uses and activities on federally administered lands in California's deserts.

Shown above, from left to right. Mark Algazy, DAC public-at-large representative, Beth Ransel, Desert District Manager, and Billy Mitchell, DAC representative for Ranching and Grazing. Photographed at the October 2016 DAC Meeting held in Riverside. Photo: L. Thoresen.

The Friends of Jawbone also provides major support for the day-to-day operations of the Jawbone Station and Visitors Center. The FOJ coordinates its volunteer activities at the station and makes every effort to ensure trained personnel continue to be available in the station to assist all visitors to the area when necessary.

Source: [www.jawbone.org/index.php/about-us/who-are-we](http://www.jawbone.org/index.php/about-us/who-are-we)

**Editor's note.** FOJ president Ed Waldheim shows up for every DAC meeting to advocate on behalf of recreational users of the desert. He speaks in support of hobby collecting, keeping open collecting areas and access routes to them. Check out the FOJ website ([www.jawbone.org](http://www.jawbone.org)), and its sister website ([www.owlsheadgps.com/owlshead/](http://www.owlsheadgps.com/owlshead/)) you can order route maps for free and you can download a trail maps app for free that shows where you may or may not venture.

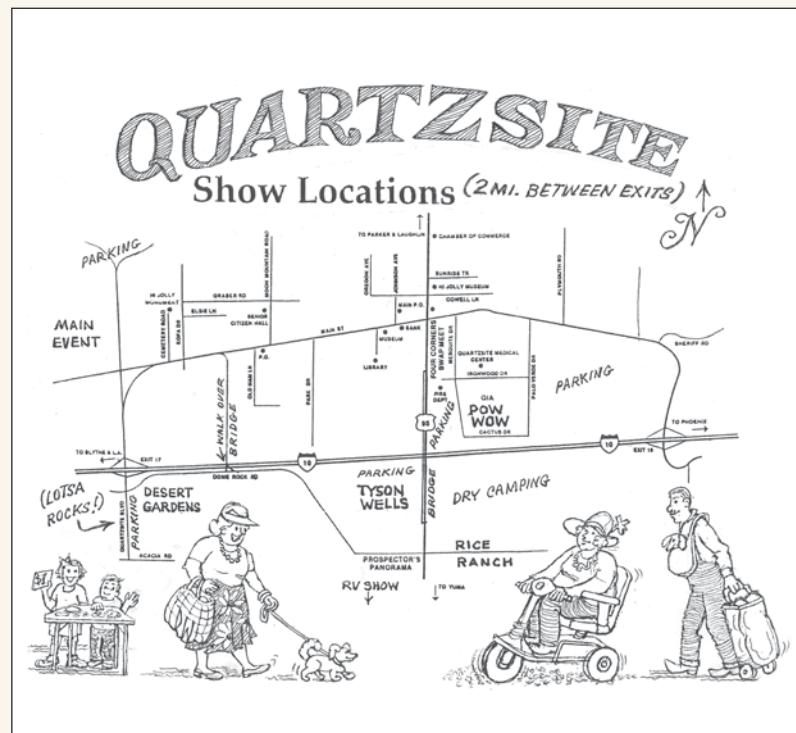
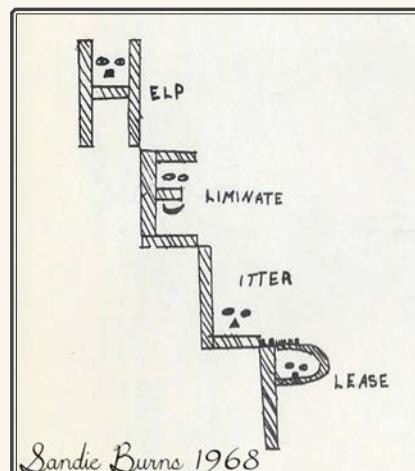


Illustration: Delores Wheeler.



## What to do in QUARTZSITE 2019

**ALAA 7th Annual Cleanup  
Sunday, January 20, 2019**

**9:30am – noon MST**

**location: Dome Rock Road Area  
just west of Quartzsite**

### 2019 in Quartzsite (AZ 85346) - selected shows

Jan 1 – Feb 28

Desert Gardens Gems, Rocks & Minerals Show  
1050 Kuhen Street  
8am – 5pm daily  
Free Parking and Admission  
[www.desertgardensrvpark.net](http://www.desertgardensrvpark.net)

Jan 1 – Feb 27 • Prospector's Panorama

Tyson Wells Show Grounds  
35 W. Kuehn Street  
9am – 5pm daily  
Free Admission  
[www.prospectorspanorama.com](http://www.prospectorspanorama.com)

thru April 1 • Tyson Wells Market Center Swap Meet

Jan 4–13 • Tyson Wells Rock & Gem Show

Jan 18–27 • Tyson Wells Annual Sell-A-Rama  
Feb 1–10 • Tyson Wells Arts & Crafts Fair  
Tyson Wells Show Grounds  
121 W. Kuehn Street  
9am – 5pm daily  
Free Admission  
[www.tysonwells.com](http://www.tysonwells.com)

Jan 16–20 • Q.I.A. POWWOW

Feb 8–10 • The Gold Show at the Q.I.A.  
235 E. Ironwood Street  
(north of I-10 between Exit 19 and Hwy 95)  
7am to 5pm daily  
Free Parking and Admission  
[www.qiaarizona.org](http://www.qiaarizona.org)  
(check website for 2 daily field trips)

Jan 19–27

36th Annual Sports, Vacation and RV Show  
Show Grounds • 700 S. Central  
9am – 5pm daily  
Free Admission  
[www.quartzsitervshow.com](http://www.quartzsitervshow.com)  
thru April  
Grease Wood Swap Meet  
Show Grounds

**ALAA 7th Annual Rockhound-BLM Clean Up  
January 20 – 9:30 am MST  
Location TBD**

more info at: <https://www.desertusa.com/cities/az/quartzsite.html#ixzz5N7a1W7Ow>

## ON THE GO ... TO A SHOW



### JANUARY .....

#### 4-6 PHOENIX, AZ – 47th Annual Flagg Gem & Mineral Show “Fossils of Arizona”

**Venue:** Mesa Community College, the west parking lot on Dobson Road located just north of the Superstition Fwy (Route 60), Mesa, AZ  
**Hours:** 9am – 5pm daily.

**Admission & Parking:** Free

**Website:** [flaggmineralfoundation.org/home/flagg-gem-and-mineral-show/](http://flaggmineralfoundation.org/home/flagg-gem-and-mineral-show/)

Tailgate format featuring vendors with special displays, club booths, jewelry, gems, beads, fossils, minerals, and lapidary supplies, ATM, food vendors and activities. A goal of the show is to stimulate interest of children in rocks, minerals, geology, and science. Several groups will have free samples for children and teachers, and there will be free activities.

#### 19-20 EXETER, CA – 2019 Gemboree Exeter Rock & Gem Show

**Sponsor:** Tule Gem & Mineral Society, Visalia

**Venue:** Exeter Veterans' Memorial Building  
 324 N. Kaweah Avenue, Exeter, CA 93221

**Hours:** Sat 10:00am – 5:00pm; Sun 10:00am – 4:00pm

**Admission and Parking:** Free

**Contact:** Laura Manser 559-303-0632,  
 or [driggs5@gmail.com](mailto:driggs5@gmail.com)

**Website:** [www.tulegem.com](http://www.tulegem.com)

Vendors will have a variety of gems, jewelry, rock, fossils, beads, books, and lapidary supplies. Snack bar with sandwiches, desserts, and drinks. Ongoing demonstrations including faceting, beading, and polishing rock and exhibits showcasing the work of our talented club members. Grab Bags, Treasure Hunt, Wheel of Fortune, Drawings every half hour, and Silent Auction.

### FEBRUARY .....

#### 1-3 FALLBROOK, CA – 54th Annual Pacific Micromount Conference

**Presented by:** Mineralogical Society of Southern California

**Registration:** \$15.00 in advance by mail; \$20.00 at the door

**Venue:** Fallbrook Gem & Mineral Museum  
 123 W. Alvarado St., Fallbrook, CA 92028

**Web:** [www.mineralsocal.org/pacific-micromount-conference/](http://www.mineralsocal.org/pacific-micromount-conference/)

**Program and registration form online:**  
[www.mineralsocal.org/wp-content/uploads/2018/12/2019\\_PMC.pdf](http://www.mineralsocal.org/wp-content/uploads/2018/12/2019_PMC.pdf)

Activities include contributed talks and mineral photos, microscope time, sales and giveaway tables, a Silent Auction, a Verbal Auction, and featured presentations.

**Friday presentation:** Michael Cox and Ted Hadley – McDermitt Mine Update: Geology, Microminerals, and Fun.”

**Saturday presentations:** Paul Adams – “The Copper World and Mohawk Mines, San Bernardino County, CA”; Robert Housley – “The use of Raman Spectroscopy in identifying new and rare secondary tellurium minerals.”

**Sunday field trip.** Site TBD. (No extra fee.)

#### 15-24 INDIO, CA – San Gorgonio Mineral & Gem Society Annual Show

**Venue:** Riverside County Fair & National Date Festival

82-503 Hwy 111, Indio, CA 92201  
 Gem & Mineral Building

**Contact:** Bert Grisham, 951-849-1674  
 or [bert67@verizon.net](mailto:bert67@verizon.net)

**TUCSON**  
**Gem Show Schedule 2019**  
**January 31st thru February 17th**  
[jogsshow.com/tucson-gem-show-schedule](http://jogsshow.com/tucson-gem-show-schedule)



*Alphabetical Listing of all Tucson Shows  
 January through February  
[www.tucsongemshows.net/coming.html](http://www.tucsongemshows.net/coming.html)*

*and at:  
 Gem, Mineral & Fossil Showcase:  
 Join The World's Largest Treasure Hunt  
 February 2-17, 2019*

**Website:** [www.visit Tucson.org](http://www.visit Tucson.org)

For detailed listings of all the dealers, venues, and show dates, search the schedule at the show website and/or vendor websites.



**“THE MAIN SHOW”**  
**February 14–17, 2018**  
**65th Annual Tucson Gem & Mineral Show**  
 “Wulfenite is Love”

**Sponsor:** Tucson Gem & Mineral Society  
**Venue:** SMG-Tucson Convention Center,  
 260 South Church Avenue, Tucson, AZ 85701  
**Hours:** Thu thru Sat 10:00am – 6:00pm, Sun  
 10:00am – 5:00pm.

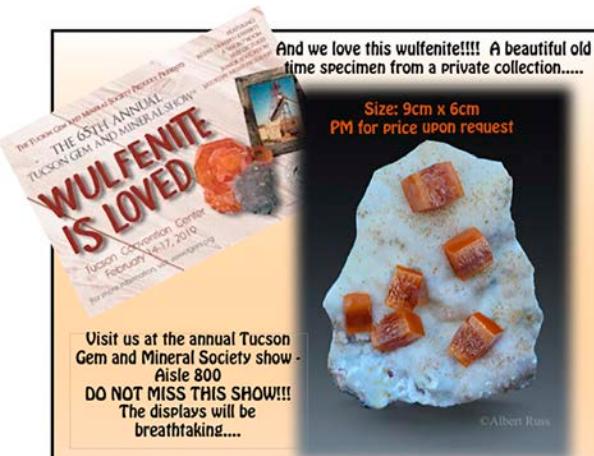
**Tickets.** Available starting January 16th.

**Website:** [www.tgms.org/show/](http://www.tgms.org/show/)

The largest, oldest and most prestigious gem and mineral show in the world, featuring 250+ dealers. This year's mineral theme is the Arizona State Mineral – Wulfenite.

**JOHN E. GARSOW**  
**gems & minerals**

**January 31 – February 15**  
**Arizona Mineral & Fossil Show**  
**The Hotel Tucson City Center – Room #118**  
 (formerly The Inn Suites)  
 475 N. Granada, Tucson AZ  
 10am – 6pm Daily  
 Facet Rough • Cabbing Rough  
 Jewelry • Mineral Specimens  
[www.johngarsow.com](http://www.johngarsow.com)



***TUCSON - selected shows*****JANUARY-FEBRUARY .....****31-17 Kino Gem & Fossil Show**

**Where:** Kino Sports Complex  
2500 E. Ajo Way, Tucson, AZ 85702 (E. Ajo Way between Kino Pkwy. & Country Club Rd.)  
**Hours:** 10:00am – 6:00pm daily, except Feb 17, closes at 4:00pm.

**Admission and Parking:** Acres of free parking, free shuttle service; handicap accessible.

**Contact:** [info@as-shows.com](mailto:info@as-shows.com)

**Website:** [www.as-shows.com](http://www.as-shows.com)

Over 200 vendors of gems, minerals, fossils, beads, findings, jewelry, and one-of-a-kind specimens, as well as lapidary equipment, supplies and tools.

**31-17 Tucson 22nd Street Mineral & Fossil Show  
(Eons Expos)**

**Where:** 600 West 22nd Street at corner of I-10 & 22nd Street

**Hours:** 9:00am – 6:00pm daily

**Admission:** Free.

**Parking:** \$3.00 weekdays, \$5.00 weekends

**Website:** [www.22ndstreetshow.com](http://www.22ndstreetshow.com)

Wholesale and retail, 220 dealers, plus food vendors, handicapped accessible.

**1-13 Pueblo & Mineral Show**

**Where:** Riverpark Inn, 777 W Cushing Street, Tucson, Arizona 85745

**Hours:** 10:00am – 6:30pm daily

**Parking:** Onsite and valet.

**Contact:** [info@pueblogemshow.com](mailto:info@pueblogemshow.com) or 310-586-6816.

**Website:** [www.pueblogemshow.com](http://www.pueblogemshow.com)

Expect exceptional and unique offerings from all seven continents. With its international exhibitors, heavy buyer traffic, and multiple venues, this Tucson gem and mineral show attracts award-winning designers of one-of-a-kind jewelry, cut and rough gemstones, natural fine minerals and fossil specimens at many price points. For more than 35 years, the Pueblo Show has maintained its status as one of the premier gem and mineral showcases in Arizona and continues to grow.

**1-17 Rapa River Gem & Mineral Show**

**Where:** 292 S. Freeway Ave.  
(S. Freeway Ave. between Congress St. & Starr Pass Blvd.) Tucons AZ 85713

**Hours:** 9:00am – 6:00pm daily  
Admission and Parking: Shuttle service; handicap accessible.

**Contact:** Lynn Arriaga at 520-256-2079 or Tyo Leonard at 480-593-3439; or [rapagem@yahoo.com](mailto:rapagem@yahoo.com)

**Website:** [www.rapariver.com/start.php](http://www.rapariver.com/start.php)

If you can't find it here you won't find it anywhere. Rapa River dealers offer a wide variety of many unique and unusual products from all parts of various countries represented by 34 vendors.

**2-16 Arizona Mineral & Fossil Show**

**Hours:** 10:00am – 6:00pm daily, except Sat, Feb. 16, 10:00am – 5:00pm

**Admission and Parking:** Public welcome, free.

**Sponsor:** LLD Productions Inc

**Contact:** [mineralshowlld@gmail.com](mailto:mineralshowlld@gmail.com)

**Website:** [www.mzexpos.com](http://www.mzexpos.com)

Hundreds of Dealers, Fossil Hall, Meteorite Dealers, Minerals, Gems and Jewelry. Artists Gallery and Art in Stone display. Room and tent dealers set their own schedules. If there is a particular dealer you want to see, contact them in advance.

**– Three locations –****(1): Hotel Tucson City Center**

(formerly InnSuites Hotel)  
475 N. Granada Ave. Tucson, AZ 85701  
(St. Mary's Rd and Granada Ave.)

**Ballrooms open Jan. 25 - Feb. 7**

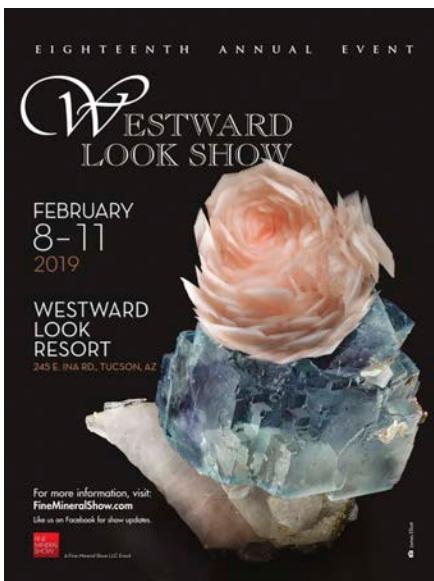
**(2): Mineral & Fossil Marketplace**

1330 N. Oracle Rd. Tucson, AZ 85705  
in cooperation with Adam Aaronson Properties LLC,  
[mineralfossilmarketplace@gmail.com](mailto:mineralfossilmarketplace@gmail.com)

**(3): Fossil & Mineral Alley**

**Ramada Limited**

665 N. Freeway, Tucson, AZ 85745  
in cooperation with Himada Expositions LLC, [mitulpatel80@gmail.com](mailto:mitulpatel80@gmail.com)



## Tucson Fine Mineral Show February 8–11, 2019

Westward Look Resort  
245 E. Ina Rd, Tucson, AZ 85704

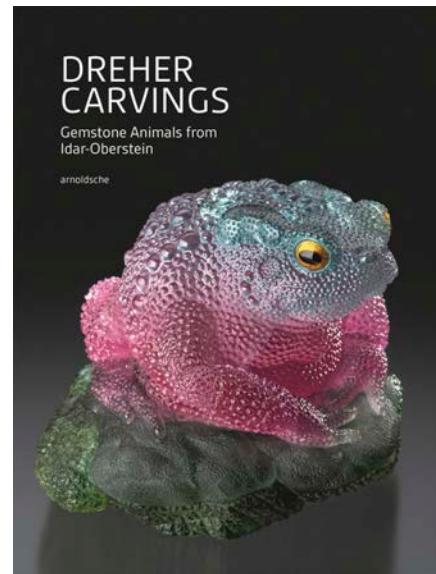
**Hours:** 10:00am – 6:00pm, except on the final day,  
10:00am – 5:00pm

**Admission and Parking:** Free.

**Contact:** [info@finemineralshow.com](mailto:info@finemineralshow.com)

**Website:** [finemineralshow.com](http://finemineralshow.com)

THE WESTWARD LOOK RESORT is located in the foothills of the Catalina Mountains overlooking the city of Tucson. Thirty-nine world-class dealers gather every year at this famous resort to showcase some of the most exceptional mineral specimens found anywhere in the world.



## Sunday Evening Program Guest Speaker: Patrick Dreher

Westward Look Resort  
Sonoran Ballroom  
February 10, 2019  
6:30 pm - 8:30 pm MST

Each year the Sunday Evening Program features a presentation on a mineral topic related to the interest or expertise of a very special guest speaker. This year, German master gem carver Patrick Dreher, whose family members are world-renowned for their virtuosity at producing lapidary art inspired by nature, will make a presentation on: “Dreher Carvings – The 5-generation Dynasty from Idar-Oberstein.”.

### Westward Look Show Dealers

Alain Martaud Minerals

Alpine Minerals

Anton Watzl Minerals

The Arkenstone

Ausrox

Bergmann Minerals

Collector's Edge Minerals

Cornerstone Minerals

Cristalli

Crystal Classics Fine Minerals

Dave Bunk Minerals

Dreherdt

Earth's Treasures

eShop Minerals

Exceptional Minerals

Fine Minerals International

Gobin

Graeber & Himes

Green Mountain Minerals

Kristalle

Marcus Budil Fine Minerals

Mineral Classics – Brian Kosnar

Mineral Décor

Mineral Masterpiece

Mineral Movies

Miner's Lunchbox

Mintang

Nicholas Stolowitz Fine Minerals

Pala International

Pinnacle 5 Minerals

Rock Acquisition Group

Saphira Minerals – Rudolf Watzl

Stonetrust

The Sunnywood Collection

Superb Minerals India

Unique Minerals – Evan A. Jones

Weinrich Minerals

Wendel Minerals

Wilensky Fine Minerals



### General Meeting of the Mineralogical Society of Southern California (MSSC)

**March 8, 2019, 7:30pm**

*Guest speaker: Stephen P. Mulqueen  
The Golden Age of Rockhounding, 1946 – 1972*

**Where:** Pasadena City College  
Building E, Lecture Hall (room 220)  
1570 E. Colorado Boulevard  
Pasadena, CA 91106

**Admission and Parking:** Free. Guests are welcome.

**Website:** [www.mineralsocal.org](http://www.mineralsocal.org)

### Camp Zzyzx

March 24–31, 2019



Applications are now being accepted  
through March 1, 2019

Download an application form at:

[www.cfmsinc.org/ESStudies/2019\\_ZzyzxRegistration.pdf](http://www.cfmsinc.org/ESStudies/2019_ZzyzxRegistration.pdf)

#### Classes may include:

- Lapidary
- Beading
- Wire Art
- Advanced Wire Art
- Precious Metal
- Clay
- Soft Stone Carving
- Faceting
- Alternative Casting
- Field Trips

(Each Camp is unique, offering a variety of lapidary arts and crafts classes.)

**Contact for more information:**  
**Audrey Harvey**, Camp Zzyzx Registrar  
805-427-2447 or [audreyclaygirl@gmail.com](mailto:audreyclaygirl@gmail.com)



### 80th Annual CFMS Show & Convention hosted by Pasadena Lapidary Society

**March 8 – 10, 2019**

**Pomona Fairplex, Bldg. 6**

*(registration deadline Feb 25, 2019)*

1101 W McKinley Ave, Pomona, CA 91768

Fri & Sat 10am – 5pm, Sun 10am – 4pm

**Contact:** Marcia Goetz at 626-260-7239  
or [showdealers@pasadenalapidary.org](mailto:showdealers@pasadenalapidary.org)

[pasadenalapidary.org/2019-show/](http://pasadenalapidary.org/2019-show/)



#### Admission

1-day ticket/3-day pass – Adult \$5./\$12.  
Senior (60+), Active Military, Juniors (12–17) \$4./\$10.  
Advance registration is available for 1-day tickets and required for 3-day passes. Registration form is due with payment by February 25, 2019.

Saturday, March 9 – Banquet at DoubleTree Inn, Claremont, CA. Ticket: \$38.50 (see registration form for details).

#### Registration form

(short URL): <https://goo.gl/8kvnpn>

# KRISTALLE

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*Wayne and Dona Leicht*

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875 North Pacific Coast Highway - Laguna Beach, CA 92651

949.494.5155 - fax: 949.494.0402

e-mail: [info@kristalle.com](mailto:info@kristalle.com)

# West Coast Gem & Mineral Show

**May 10 - 12, 2019**

**NEW LOCATION!**

Hilton Orange County

3050 Bristol St., Costa Mesa, CA 92626



*Neptunite, San Benito Co, CA  
Photo by Jeff Scovil  
Martin Zinn Collection*

**FREE** Admission  
**Parking \$10/day**  
**OPEN to the Public**

**75 Select Retail & Wholesale Dealers**  
**Minerals ♦ Fossils ♦ Gems ♦**  
**Jewelry ♦ Lapidary ♦ Home Decor**

See our website for directions

[www.MineralShowsLLD.com](http://www.MineralShowsLLD.com)



## San Diego Mineral & Gem Society, Inc.

A Non-Profit Educational and Scientific Organization

### Membership Information:

Interested in minerals, fossils, lapidary, gems, or handcrafted jewelry? We are, too!

There are now two ways to apply for or renew your membership –

1.) Send a check with your membership form to the membership secretary. The renewal form can be found at the **Village Silversmiths Shop** in the **SDMG** Building the **SDMG** website at:

[www.sdmg.org/sdmg-public/pdf/sdmg-membership-app-and-renewal.pdf](http://www.sdmg.org/sdmg-public/pdf/sdmg-membership-app-and-renewal.pdf)

Mail your completed application and check to:

San Diego Mineral & Gem Society  
attn: Angela Cannon  
P.O. Box 710783, Santee, CA 92072

MAKE CHECKS PAYABLE TO:

**San Diego Mineral and Gem**

Please allow up to 3 weeks  
for processing your application

◇◇◇◇◇◇◇◇◇◇◇◇ ◇ OR ◇◇◇◇◇◇◇◇◇◇◇◇

2.) Sign up online using major credit cards via PayPal. Visit the SDMG website for details at:

[www.sdmg.org/sdmg-membership/](http://www.sdmg.org/sdmg-membership/)

Pay with mailed check: \$30 – first Adult Member

OR – Pay using PayPal: \$32 – first Adult Member

\$10 – Associate Adult Member at same household

\$10 – Junior Member

\$10 – printed/mailed copy of *The Pegmatite* bulletin

**Subscribe yourself to the eNewsletter at: <https://goo.gl/KZqPsc>**

published from September thru June  
at the same time as *The Pegmatite* bulletin  
(PDF online version)

***Members, you must subscribe yourself,  
we cannot do it for you!***

**Got questions? Email the SDMG Membership  
secretary at: [membership@sdmg.org](mailto:membership@sdmg.org)**

### CLASSIFIED ADS

#### OCEANVIEW MINE

#### TOUR & SCREENING TRIPS:

Sundays, 11:00am to 3:00pm

For more information  
please visit [www.digforgems.com](http://www.digforgems.com)

or call Jeff Swanger at 760-415-9143  
Reservations required.

\$75. Adults \$60. Children (ages 5 to 11)  
Family rates available.

#### HIMALAYA MINE TAILINGS:

Thursday-Monday, 10:00 am to 3:00 pm.

At the Lake Henshaw Resort on Highway 76.

Adults, \$75 per day. Kids 12-15, half price.  
Screening tables, buckets, and shovels provided.

Call (775) 830-5797

or (775) 772-7724 for more info

Website:

[www.highdesertgemsandminerals.com/](http://www.highdesertgemsandminerals.com/)

### WEBSITES

SDMG:

[www.sdmg.org](http://www.sdmg.org)

CFMS:

[www.cfmsinc.org](http://www.cfmsinc.org)

AFMS:

[www.amfed.org](http://www.amfed.org)

PUBLIC LANDS:

[www.amlands.org](http://www.amlands.org)

BLM:

[www.ca.blm.gov](http://www.ca.blm.gov)

BOB'S ROCK SHOP:

[www.rockhounds.com](http://www.rockhounds.com)

ROCKHOUND FORUM:

[groups.yahoo.com/neo/groups/la-rocks/info](http://groups.yahoo.com/neo/groups/la-rocks/info)



## CLASS SCHEDULE – 2018-19

### REGISTRATION IS REQUIRED BEFORE ALL CLASSES.

Email [school@sdmg.org](mailto:school@sdmg.org) for class availability before attending any class to find out when the class starts and ends, if special materials are required and whether you qualify to attend. Fee is \$5.00 per class; it is usually easier for instructors if payment is made for a full month; cash or checks only, please. **Classes are open to members only** and students must read and follow the **School Rules** available in the classroom and at:

<http://www.sdmg.org/class-schedule/school-rules.pdf>

|                                |     |                |                   |
|--------------------------------|-----|----------------|-------------------|
| <b>CABOCHONS</b>               | Tue | 6 – 9pm        | Tom Schmidt       |
|                                | Wed | 9 – 11:30am    | Jim Claypool      |
|                                | Wed | 6 – 9pm        | Nita Sani         |
|                                | Thu | 7 – 9pm        | Jon Evans         |
| <b>FACETING</b>                | Tue | noon – 3pm     | Elbert McCune     |
|                                | Tue | 7 – 9pm        | Jerod Schneider   |
|                                | Wed | 9am – noon     | Bob Hancock       |
|                                | Wed | noon – 3pm     | Donna Beers       |
|                                | Wed | 7 – 9pm        | Elbert McCune     |
|                                | Thu | 7 – 9pm        | Bill Brisebois    |
| <b>BEG. METALS FABRICATION</b> | Tue | 9am – noon     | Jill Williamson   |
|                                | Tue | noon – 3pm     | Jill Williamson   |
|                                | Wed | 6 – 9pm        | Stephanie Griffin |
|                                | Thu | 9am – noon     | Denny Turner      |
|                                | Thu | 1 – 4pm        | Denny Turner      |
| <b>ADV. METALS FABRICATION</b> | Tue | 7 – 9pm        | Al Puente         |
|                                | Wed | 9am – 3pm      | Denny Turner      |
|                                | Wed | 9am – 3pm      | Jackie Leverone   |
|                                | Thu | 7 – 9pm        | Ellen Riceman     |
|                                | Fri | 9:30am – noon  | Jill Williamson   |
|                                | Fri | 12:30 – 3:00pm | Jill Williamson   |
| <b>CASTING</b>                 | Mon | 1:30 – 7:00pm  | Rocio Bergum      |
|                                | Tue | 9am – 2pm      | Dave Smith        |
|                                | Fri | 5 – 7pm        | Rich Yarbrough    |
| <b>STONE SETTING</b>           | Mon | by appointment | Miguel Asmar      |
| <b>ROCK CARVING</b>            | Mon | 9am – 1pm      | Jan Kunsa         |
| <b>SPHERE MAKING</b>           | Sat | 1 – 3:30pm     | Paul Williams     |
| <b>JUNIORS</b>                 | Sat | 10am – 1pm     | Dave Smith        |

# Thomas M. Schneider Quality Gemstones



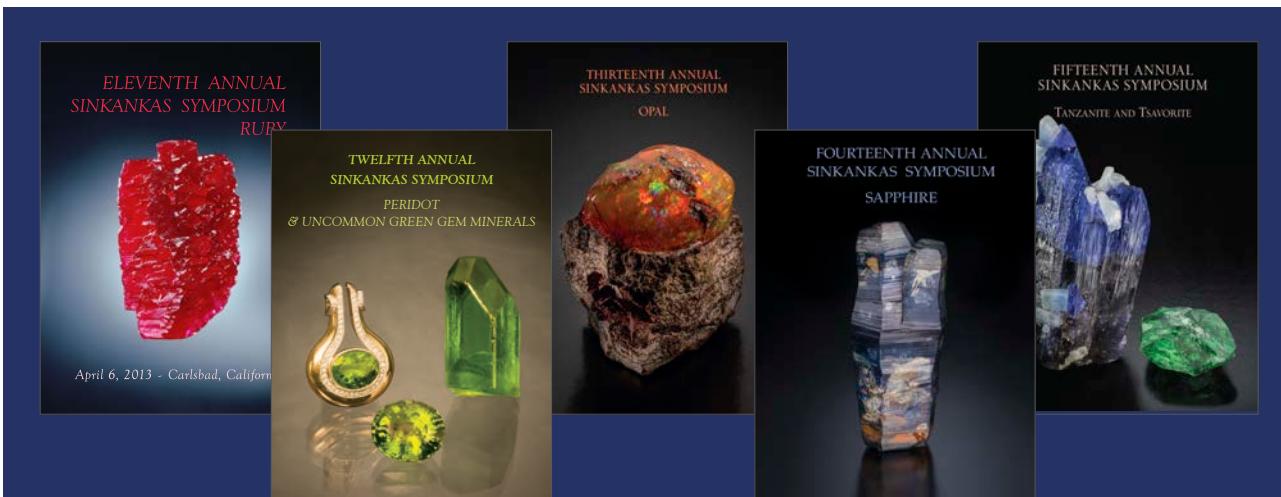
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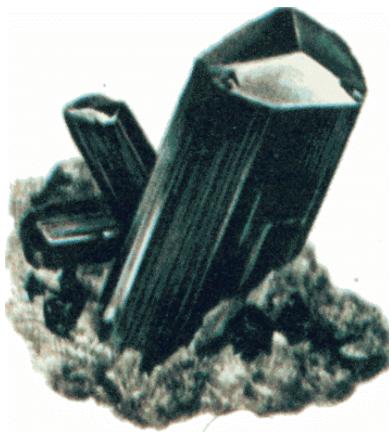
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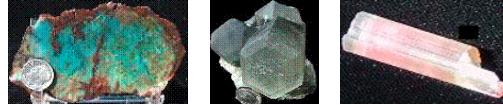
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A Non-Profit Educational and Scientific Organization

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The SDMG Building  
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on classes, events,  
field trips, reports,  
reviews, slideshows  
and more at:  
[www.sdmg.org](http://www.sdmg.org)

### ADDRESS SERVICE REQUESTED



## THE PEGMATITE – JANUARY 2019

| Sun                                                                        | Mon                                         | Tue                                       | Wed | Thu | Fri | Sat                                              |
|----------------------------------------------------------------------------|---------------------------------------------|-------------------------------------------|-----|-----|-----|--------------------------------------------------|
| 30                                                                         | 31                                          | 1<br>New Year's Day                       | 2   | 3   | 4   | 5                                                |
|                                                                            |                                             | Classes on hiatus thru Jan 6              |     |     |     |                                                  |
| 6                                                                          | 7<br>SDMG<br>Winter Classes<br>Start        | 8                                         | 9   | 10  | 11  | 12<br>Junior Division<br>Winter Classes<br>Start |
| 13                                                                         | 14                                          | 15                                        | 16  | 17  | 18  | 19                                               |
| ALAA<br>7th Annual Cleanup<br>Dome Rock Road<br>Area<br>ca. 9:30am to noon | 20                                          | 21<br>SDMG<br>Board Mtg<br>7pm, SDMG bldg | 22  | 23  | 24  | 25                                               |
| 27                                                                         | 28<br>SDMG<br>General Mtg<br>7pm, SDMG bldg | 29                                        | 30  | 31  | 1   | 2                                                |