

. Annual
Membership Dues

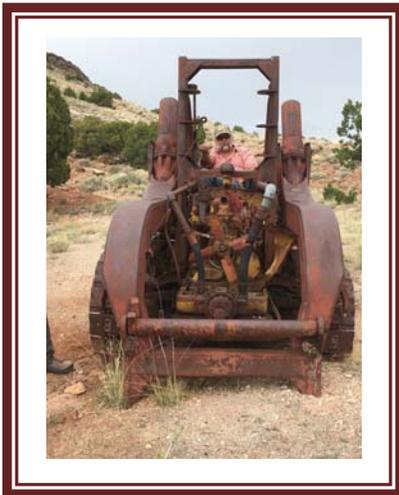
Adults: \$ 20.00

Juniors: \$ 10.00
(10-18 yr)

Club business
meeting : 1st
Friday of the
month: 7:00 PM

Workshop:
2nd, 3rd, & 4th
Fridays of the
month 6:30 PM

Location:
25647 W. Main St
Barstow, Ca
92311'



Club Objectives:

To collect and study minerals
and rock.

To disseminate a general
knowledge of the science of
mineralogy and allied
subjects.

To provide opportunity for
the exhibition and exchange
of specimens.

*On behalf of the
Mojave Desert Gem
and Mineral Society
I would like to give a
Special Thank you to
Danny Watts and
Family for all of the
hard work and
dedication he has given
to our club. Danny
your love for club
shows in all you do and
we thank you*

President: Danny Watts
**Vice-President: Scott
Stevenson**
Treasurer: Judy Livingston
Secretary: La Vella Tomlinson
Board of Directors
Bill Johnson
Janna Johnson
Toni Pizzo
Joe Sumners
John Printz
Past Pres.: Vivian Watts
Editors:
Wayne Mallon
La Vella Tomlinson
Lana Heller-Wood



*Bill Depue hard at work on one of his many
Cabochons.*

Happy Birthday
Happy Birthday



Steve Depue --Sept. 17
Carlos M. Avila --Sept. 28



General Meeting Minutes, August 4, 2018

The meeting was called to order at 7:15 pm by vice president Scott Stevenson, followed by the Pledge of Allegiance to the Flag.

New Members: Mary Broski from Daggett, Peggy Latimer from Yermo, Polly Hass, from Newberry Springs, and Derek & Hayden Hoffman from Ft. Irwin. Welcome.

Business: Minutes from the July meeting were motioned to be approved as read in the newsletter by Lana Heller-Wood and Dian Hare, and then voted approved by the membership.

Treasurer Report: Judy Livingston reported that the new Genie is in the workshop and the new lightweight tables & storage racks for the Gem & Mineral show have arrived. Also two of our approved scholarships have had their first semester awarded.

December Gem & Mineral Show:

La Vella reported that the 600 bags for the show are under control and will be ready. Terese

Carlson brought 28 finished bags in great kid's novelty prints. Chieko Printz has been sewing more. Joan Bird reports that she has 100 ready and will bring them from Pahrump when it is a little cooler.

We will start bagging and labeling small rock specimens for the bags at the August workshops. More hands will really help. Mary Broski reports that she has some red jasper at home to donate. When the cooler weather begins we can collect more specimens for the bags — a variety of about 4200 are needed for the 600 bags.

Norm Sheppard reported that Danny Watts picked up the new tables, put the storage racks together, gathered up all the old tables and delivered them to

Diamond Pacific, who purchased the old tables. Herculean job completed by Danny on his day off. Thank you.

Photographer: La Vella reported that we need more photos taken of the show, displays, activities & rockhounds — also photos at meetings, potlucks, workshops, & field trips. These photos would be a record of the club and could be used in the newsletters, website, facebook, advertising, and archives.

La Vella recommended that it would be mandatory for each club member coming to the show to take at least one photo! However, Peggy Latimer saved the day and volunteered to be the photographer. Please, remember to take photos yourself - one photographer can't be everywhere.

Workshop: John Printz gave a report on the aprons for the workshop. The sellers he talked to before aren't honoring their large order price, so he is looking for another source. Scott Stevenson finds his apron comfortable that has plastic on the outside & cloth on the inside. The aprons would have to be wiped clean after use in the workshop. Lana Heller-Wood



thought we should also look into a box of disposable plastic aprons that cafeteria workers use.

Lana also has found a First Aid Kit for the workshop for \$40, with an eye cup with sterile eye wash. This would come to \$62.17 with tax.

Norm Sheppard and John Printz made a motion that up to \$75 could be spent on a Medical First Aid Kit. The membership approved the motion. Terese Carlson reports that she has an oil saw to sell & asked how to get the word out. Members recommend advertising in our newsletter and facebook site.

Program: A great video on cutting, sanding, & polishing cabs was shown. Great detail and step by step instructions. Made you want to hop up and start polishing cabs in the workshop! The different grits on the Genie Wheel are on a poster in the workshop.

**"The program in the
September meeting we will be
having a Special guest speaker
on Fluorescent Rocks and
minerals."**

Hostess: The break & conversation time was lively. It was Lana's birthday today and a rousing Happy Birthday was sung and Lana made the first cut into her birthday cake.

Connie Horn brought the cake Leslie Walker & Dian Hare brought ice cream for the root beer floats. and finger snacks.

Badges: If you don't have a badge, Chieko Printz is collecting a list of names to give to Ceci Kawaski who makes the badges. Ceci has been laid up with a broken collar bone - said that her horse shoved her out of the stall with his big butt !

Field Trips: Check the club facebook site www.facebook.com/mojavedesertgemandmineralsociety for field trip announcements.

Cab of the Month: Scott Stevenson won 1st with his cab from a Thunderegg that was cut from a door prize winner. #2 was Lana Heller-Wood's cab of iron pyrite. Lana's cab of Birds Eye Rhyolite and Scott's cab made of agate from the Sleeping Beauty area of the Cady Mts were also admired. Scott reminds us that beautiful cabs can be made from material in the gold pan and won as door prizes. Scott went with Bill Depue to a "worked out" area at Sleeping Beauty; they found beautiful jasper and agate by looking around, going a little farther and digging a little deeper.

Rock of the Month: Lana Heller-Wood shared different kinds of iron pyrite - from those sparkling with quartz druzy & chalcedony, to a "sun" pyrite, to a solid chunk of iron ore. Very interesting. Lana also shared maps from BLM that show the route areas in different sections of the desert with the closed areas noted. BLM is putting up route closed signs, which people are pulling up. The maps help to identify the areas and are free from BLM.

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Mojave Desert Gem and Mineral Society, Barstow, California. 673 likes. Facebook page for The Mojave Desert Gem and Mineral Society of Barstow, CA

www.facebook.com

Scott talked about the Coolgardie area and the gold that can still be found there. Many will tell you that there is no more gold to be found on the desert--not to be believed & told about the nuggets he has dry washed and

Judy Livingston about the gold nugget she found in the dirt around the base of a creosote bush. There are many marked claims in the Coolgardie area which you must honor, but others will come and

say that you are on their claim and to leave. Scott stands his ground and asked to be shown their claim paperwork and asks where the claim markers are (nonexistent).

Scott also cautions never to go alone. He belongs to the Gold Prospectors Association in Victorville, Dues are \$135 a year and you then get to prospect on their claims. You will receive a book with GPS locating the GPA claims and you get to keep the gold that you find. More members go on the weekends & be sure to take your membership card & information with you. The Randsburg GPA

operates differently. The group has large equipment and the gold finds that day are shared equally among the workers. They also have door prizes with nuggets from the Yukon and other areas.

Judy Livingston brought a

beauty of a basalt lava bomb - not as big as a football but you wouldn't want the hot bomb to land on your head!

Thrisha

Sheppard brought a sun pyrite bouquet

and other smaller beautiful items, many were made by her mother Rosamond Riggle. Trisha has them on display across their buffet near the kitchen so that she can enjoy looking at them.

Door Prizes: Lana Heller-Wood gifted the door prizes, many from Jesse Collins who collected them in the 1950's. Happy winners were: Hayden Hoffman (new member) who won an unusual specimen of large bubbling Chalcedony and a stalactite slab from Kokoweef. Bill



Leslie Walker showing one of our new members how to set up and use a genie for their first time

Tomlinson, Peggy Latimer (new member), Mary Broski (new member), Terese Carlson, Polly Hass (new member), La Vella Tomlinson, Judy Livingston & Connie Horn won a variety of slabs. Scott says to brings those slabs to workshop and learn to turn them into beautiful cabs (workshop is from 6:30to9m on all Fridays except the first Friday which is meeting night.) Dian Hare and Terese Carlson made a motion to adjourn the meeting; all agreed that it had been a great meeting. Scott Stevenson vice president adjourned the meeting at 9 pm.

Respectfully submitted, La Vella Tomlinson, MRVM secretary.

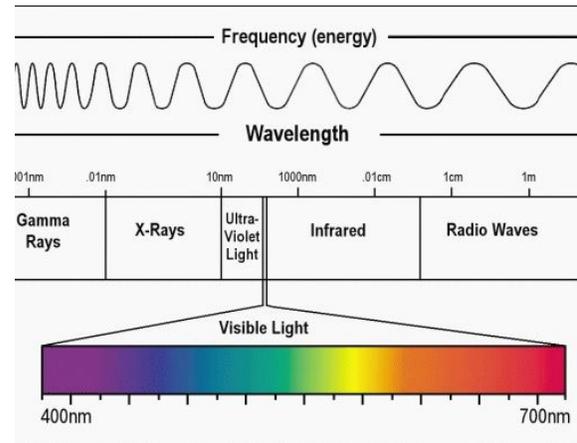
Rock of the Month

FLUORESCENCE

Fluorescence is a phenomenon that causes a mineral to "*glow*" within the visible spectrum when exposed to ultraviolet light. Minerals that exhibit fluorescence are known as "*fluorescent minerals*".

Fluorescent minerals contain particles in their structure known as activators, which respond to ultraviolet light by giving off a visible glow. Ultraviolet light is a form of electromagnetic radiation invisible to the human eye. This light is given off by the sun and by common fluorescent lamps, which also give off considerable white light (visible light), preventing the fluorescence from being seen. The ultraviolet reaction is only visible with a special fluorescent lamp with a filter that blocks white light but allows ultraviolet light to pass through. This lamp is known, as an ultraviolet fluorescent lamp, or UV lamp

There are two classified ultraviolet wavelengths; longwave and shortwave. Some minerals fluoresce the same color in both wavelengths, others fluoresce in only one wavelength, and yet others fluoresce different colors in different wavelengths.



Some UV lamps have two separate filters: one for longwave and the other for shortwave. There are more minerals that fluoresce in shortwave than in longwave. Longwave fluorescent lamps are fairly inexpensive, whereas shortwave lamps are more costly.

Fluorescence is not always reliable method for mineral identification, since certain minerals of the same species may fluoresce different colors from different localities, but it can still be an indicator. Once a mineral has been identified, its fluorescent color is sometimes used to identify its place of origin. Similarly, if an unidentified mineral from a certain locality

glows a specific color, it can often be identified by the color of its fluorescence.

Color and intensity of the fluorescence varies among specimens of a particular mineral. However, specimens from the same locality virtually always fluoresce the same color. (For Example) Calcite may fluoresce red, orange, yellow, white, and green, but it will always fluoresce red at Franklin, New Jersey, and bluish-white at Terlingua, Texas.

“When a fluorescent lamp is lit, never look directly at the light source, as it can permanently damage the eyes. In addition, skin should not be exposed to the light source for extended periods, as it can cause sunburns and long term skin problems.”

PHOSPHORESCENCE

Phosphorescence is a phenomenon exhibited in several fluorescent minerals where the mineral continues to glow even after the UV light source has been removed. The glow slowly fades, and after several seconds (or minutes in a few cases) is no longer visible to the eye. Only few minerals phosphoresce; *“phosphorescence is only noted as interesting mineral property, rarely as a diagnostic identification property”*. Certain mineral specimens from specific localities all phosphoresce. (For Example) Calcite specimens from Terlingua, Texas fluoresce bluish-white with a strong phosphorescence.

Common longwave and shortwave minerals and they're most recognized colors

LONGWAVE FLUORESCENT MINERALS

GENERAL COLOR and MINERALS

~WHITE Agate, albite, aragonite, barite, benstonite, brucite, calcite, celestite, cerussite, colesmanite, cowlesite, datolite, diopside, dypingite, eucryptite, fluorite, gowerite, gypsum (slightly bluish), halite (bluish), hanksite, hemimorphite, hydroboracite, laumontite, magnesite, mesolite, meyerhofferite, natrolite, pectolite, pirssonite, smithsonite, stilbite, strontianite, thaumasite, thomsonite, trona, ulexite, wavellite, whewellite, witherite (bluish), wollastonite and xonotlite.

~RED Anthophyllite, axinite, barite, calcite (very bright), corundum, halite, sphalerite and tirodite.

~ORANGE Alunite, amber, amblygonite, apatite, barite, becquerelite, boltwoodite (brownish), calcite, calomel, cerussite, chondrodite (tan), clinohedrite, gaylussite (pinkish), margarosanite, montebasite, pectolite, phosphuranylite, scapolite (pinkish), scheelite (tan), sodalite, soddyite (brownish), sphalerite, tremolite, walstromite (pinkish), willemite, wollastonite, wulfenite (brownish), wurtzite and zircon.

~YELLOW Agate, analcime, andersonite, anglesite, apatite, apthitalite (greenish), apophyllite, aragonite, barite, cahnite, calcite, celestite, cerussite, colesmanite, diopside, esperite, fluorite, foshagite, gypsum, hanksite, hemimorphite, idrialite (variety - curtisite, greenish), laumontite, melanophlogite, nahcolite, norbergite (tan), plombierite, powellite, pyrophyllite, rosenhahnite, scapolite, scheelite, serpentine, sphalerite, spodumene, strontianite, talc, tremolite, trona, ulexite, uralolite, wavellite, witherite,

wollastonite, zincite (pale greenish) and zircon.

~GREEN Adamite, agate, aragonite, autunite, calcite, meta-autunite, opal, quartz, uranocircite, uranopilite (bluish), willemite and zippeite.

~BLUE Albite, allophane, apatite(lavender), barite (lavender), benitoite, brucite, calcite, celestite, colemanite, creedite, dypingite, fluorite, gypsum, hardystonite (deep violet-blue), hedyphane (lavender), herderite, howlite, hydrozincite, karpatite, magnesite, margarite, microcline, pectolite, scapolite, sphalerite, strontianite, tyuyamunite, wavellite, witherite and wollastonite.

SHORTWAVE FLUORESCENT MINERALS

GENERAL COLOR and MINERALS

~WHITE Agate, apthitalite, aragonite, barite, calcite, celestite, colemanite, diopside, dumortierite, ettringite, fluorite, gaylussite (yellowish), guerinite, gypsum, hanksite, hemimorphite, herderite, hydroboracite, laumontite, magnesite, pectolite, picroparmacolite, scapolite, scheelite, strontianite, tincalconite, ulexite, witherite, wollastonite and zektzerite.

~RED Anthophyllite, axinite, barite (pink), calcite, eucryptite, halite, microcline, ruby, scapolite, spodumene variety kunzite (pink), tirodite, wickenburgite and wulfenite.

~ORANGE Apatite, amber, cerussite, chondrodite, clinohedrite, norbergite, phosphuranylite, scapolite, sodalite, sphalerite, sphene (brownish), tremolite, wickenburgite (pinkish), wollastonite and zircon.

~YELLOW Apatite, aragonite, barite, calcite, celestite, cerussite, chondrodite, colemanite, esperite, fluorite,

gypsum, hanksite, laumontite, norbergite, phlogopite, phosgenite, scapolite, scheelite, serpentine, spodumene, strontianite, talc, tremolite, trona, tyuyamunite (greenish), ulexite (weak), witherite, wollastonite and zircon.

GREEN Adamite (bright), aragonite, autunite, calcite, diamond, meta-autunite (bright), opal (bright if it contains uranium traces), quartz (variety hyalite) and willemite (bright).

~BLUE Albite, barite (lavender), baratovite, benitoite, calcite, celestite, colemanite, diopside, fluorite (violet), gypsum, hardystonite (deep violet-blue), howlite, hydrozincite, magnesite, margarosane (pale violet), microcline (violet), scheelite, strontianite, tyuyamunite, witherite and wollastonite.

Upcoming show dates

September

14-16—SAN RAFAEL, CALIFORNIA: Wholesale and retail show; Gem Faire Inc.; Marin Center, 10 Avenue of the Flags; Fri. 12-6, Sat. 10-6, Sun. 10-5; free admission; fine jewelry, crystals, gems, beads, gold and silver, minerals and more at manufacturer prices, exhibitors from all over the world, jewelry repair and ring sizing while you shop, free hourly door prizes; contact YooyNelson, (503) 252-8300; Email: info@gemfaire.com; Website: www.gemfaire.com

15-16—REDWOOD CITY,

CALIFORNIA: Annual show; Sequoia Gem & Mineral Society; Communities Activities Building, 1400 Roosevelt Avenue; Sat. 10-5, Sun. 10-5; adults, seniors and students \$3, children (under 12) free; rocks, minerals, lapidary displays, jewelry, beads, lots of activities for kids; contact William Spence, PO Box 1245, Redwood City, CA 94064, (408) 398-7502; Email: bill.spence777@sbcglobal.net; Website: www.sequoiagemandmineralsociety.org

15-16—CHICO, CALIFORNIA: Annual show; Feather River Lapidary & Mineral Society; Silver

Dollar Fair Grounds, 2357 Fair St.; Sat. 9:30-5, Sun. 9:30-4; adults \$4, under 16 free; display cases, kids' wheel of fortune, treasure hunt, grab bags, fossilized shark tooth necklace for the first 250 kids both days; contact JohnScott, 1288 Glenwood Ave., Chico, CA 95926, (530) 321-6331; Email: jweazel@sbcglobal.net; Website: featherriverrocks.org

15-16—MONTEREY, CALIFORNIA: Annual show; Carmel Valley Gem & Mineral ; Monterey County Fairgrounds, 2004 Fairgrounds Road; Sat. 10-5, Sun. 10-5; Adults/Seniors \$4, Children free with Adult;. This event supports the Carmel Valley Gem & Mineral Society's educational outreach for Monterey schools. ; contact JanisRovetti, 1047 Roosevelt Street, Monterey, CA 93940, (831)-372-1311; Email: janis12@sbcglobal.net; Website: www.cvgms.rocks

22-23—LODI, CALIFORNIA: Annual show; Stockton Lapidary and Mineral Club; Lodi Grape Festival Grounds, 413 E Lockeford St; Daily 10-5; Admission \$6, Children free 12 and under ; Earth's Treasures Gems, Minerals, & Jewelry Show Vendors, Gold Panning, Demonstrations, Rock Identification, Fluorescent Exhibits, Children's Activities, Lapidary Art Exhibits; contact MikeMathis, (510)-301-3612; Email: mmathis@nwp.org; Website: <http://www.stocktonlapidary.com/show.html>

J A O A F E U Q T D W U W U J
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ACTIVATORS
 COLOR
 ELECTROMAGNETIC
 FLUORESCENCE
 GLOW
 LONGWAVE
 PHOSPHORESCENCE
 SHORTWAVE
 ULTRAVIOLET
 WAVELENGTHS

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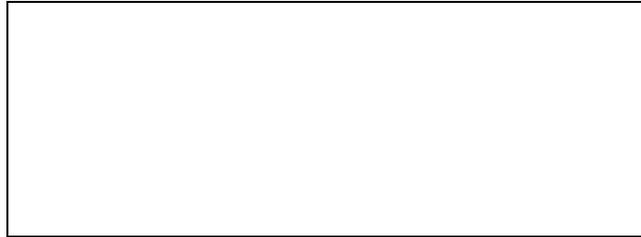
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Desert Diggings

