HUI PŌHAKU 'O HAWAI'I
Rock & Mineral Society of Hawai'i, Inc.

Meeting Times

MEETING
Wednesday
November 20, 2019

6:15-8:00 pm
Makiki District Park
Admin Building

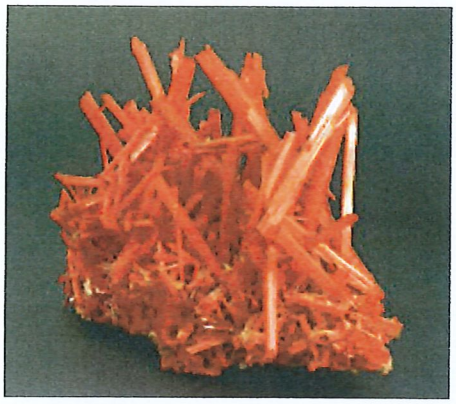
Next Months Topic
January to be decided

LAPIDARY
Every Thursday
6:00-8:00pm
Cleanup @ 7:45pm
Makiki District Park
2nd floor Arts and Crafts Bldg

MEMBERSHIP
DUE COSTS 2020
Single: $10.00
Family: $15.00

P.O. Box 23020
Honolulu, HI
96823-3020

ORANGE MINERALS



CROCOITE—Adelaide Mine, Tasmania

Most mineral collectors consider specimens of Crocoite to be nature's most brilliant creations. The presence of chromium in its chemical structure requires specific conditions required to form red-orange monoclinic crystal systems.

World class specimens have been recovered at the Adelaide and Red Lead Mines in Tasmania.

Crocoite contains a chromate ion which is carcinogenic and mutagenic.

WULFENITE

Lead Molybdate

Wulfenite is most commonly found as thin tabular crystals. It is usually found within the oxidized zones of lead deposits.

Crystals can be flaky and fragile and are aggregated as a group.

Fine specimens have been found in Arizona, Mexico, and Australia.

MIMETITE

Phosphates / Arsenates

Mimetite is a secondary mineral in lead deposits usually by the oxidation of galena and arsenopyrite.

It is similar in structure and appearance to pyromorphite sometimes making it virtually indistinguishable.

Mimetite will dissolve in hydrochloric acid and will give off a strong garlic smell if heated.

BLACK MINERALS

SCHORL

Sodium Iron Aluminum Borosilicate

Best known as Black Tourmaline. It is exclusively colored black and is never transparent or translucent.

Schorl is the most common form of tourmaline forming lustrous elongated prismatic crystals. It may also form in dense needles within a Quartz crystal.

Exceptional specimens can be found in Germany, Brazil, Namibia, Afghanistan.

Schorl can be found within the granite pegmatite hydrothermal veins in metamorphic rocks.

Other common members within the tourmaline group are elbaite, uvite and dravite.

MANGANITE

Manganese Oxide Hydroxide

Highly sought after with collectors are the Manganite crystals from the Harz Mountains in Germany.

Crystals are prismatic and striated and often found bunched together. It forms in the low temperature veins associated with calcite, barite and siderite.

Color is dark steel grey to iron black and the luster is brilliant and submetallic.

It forms in the low temperature or hot spring deposits.

NEPTUNITE

Potassium Sodium Lithium Silicate

Neptunite was only discovered in the early 1900's and is of rare occurrence. The most famous specimens come from deposits at the San Benito County in California.

White natrolite associated in the serpentine rocks associated with sapphire blue benitoite and prismatic neptunite crystals creates a rare most desirable classic mineral combination within high end rock collectors.

The mine locations have closed to active exploration.

YELLOW MINERALS

BRUCITE

Magnesium Hydroxide

Brucite is a rare lemon yellow crystal found in the Killa Saifullah district at Pakistan. It generally forms soft, waxy to glassy crystals usually associated with magnesium and dolomite minerals. Crystals are translucent and rarely transparent.

Brucites grow in small pockets mined by hand along sloped hillsides in tightly constricted vein fillings.

Its high melting point makes it a perfect to use as a lining of kilns.

Depending on the impurities present, this magnesium hydroxide mineral can range in color to white, grey, green and blue.

APATITE

Apatite is the name of a group of phosphate minerals with similar chemical compositions and physical properties. It is widely used to make fertilizers, acids and chemicals.

Specimens with excellent clarity and color are sometimes cut as faceted gemstones. Those with good color and translucence are cut as cabochons.

Apatite occasionally occurs into well formed hexagonal crystals in hydrothermal veins in the pegmatite pockets.

Moon rocks collected by astronauts during the Apollo program contain traces of Apatite.

LEGRANDITE

Zinc Arsenate

Legrandite is a rare mineral that is a favorite of mineral collectors. It is known worldwide from the famous localities around Mapimi , Mexico.

Legrandite is a vitreous mineral that seems to radiate its unusually rich yellow color. Good specimens are hoarded by collector who are lucky enough to find them.

Crystal habits include prismatic bladed crystals with wedge shaped terminations.

Legrandite is a secondary mineral in the oxidized zones of arsenic bearing zinc deposits.

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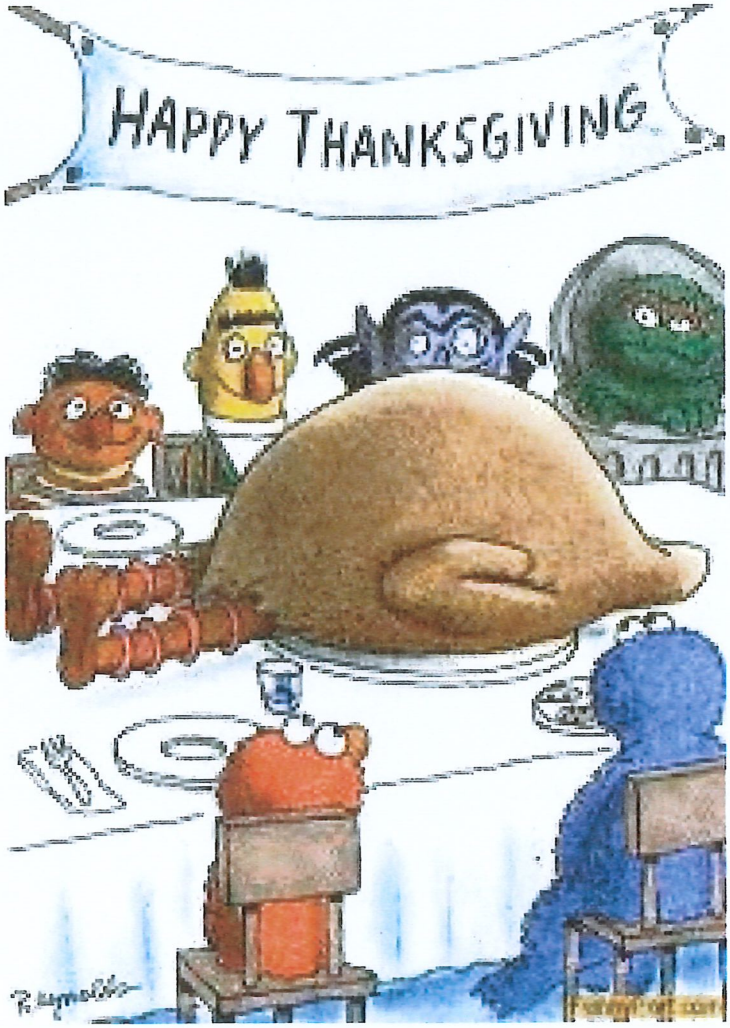
The Rock & Mineral Society meets on the 4th Wednesday of each month (except for adjusted dates in November and December) at the Makiki District Park, 6:15-8 pm. Enter from Keeaumoku Street. Parking is free but limited.

The Newsletter is published monthly, some days prior to the meetings and is distributed in electronic format by email (Adobe Acrobat PDF file attachment). Printed copies are "snail" mailed to those who do not have email. The electronic format usually contains full-color images; the print version may be limited to B&W due to reproduction costs.

DOOR PRIZES

Please note that we have instituted door prize drawings at our monthly meetings. Because of Hawaii's gambling laws, these drawings cannot be conducted in the common "raffle" format where tickets are sold. Rather, each *paid* member attending the meeting will receive a drawing ticket upon request. A voluntary donation of $1.00 is requested and encouraged. Drawings will be conducted at the end of the meeting with available prizes awarded in random order. You must be present to win. Please remember: if you win a prize, please bring one to the next meeting. This helps to keep our drawings going. Thank you.

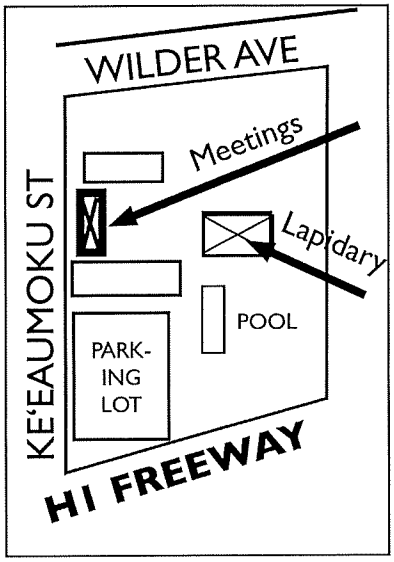


HUI PŌHAKU 'O HAWAI'I
Rock and Mineral Society of Hawai'i, Inc.

Established in 1970, the **Rock & Mineral Society of Hawai'i, Inc.** is a community benefit organization (non-profit), educational organization dedicated to mineral and rock collecting and appreciation.

The group meets on the **fourth Wednesday of each month** at the **Makiki District Park** on **Ke'eaumoku** Street in Honolulu from **6:15 to 8:00ish pm**. The public is invited to attend any single meeting as guests. Parking is free but limited. Membership is open to all ages (families welcome!), including non-residents. The benefits of membership include:

- Attendance at informative monthly meetings.
- Monthly newsletter, either a printed copy or electronic distribution via email.
- Participation in club-sponsored shows and exhibits where members can display and/or sell minerals, rocks, fossils and lapidary items including jewelry.
- Networking with other members to exchange ideas and information.
- **Benefit for the entire family**: Access to the only a **well-equipped lapidary shop** on the Island, also in **Makiki District Park**, open to all club members. Classes and training in lapidary techniques provided by experienced club members. Thursday evenings periodically throughout the year (attend meeting for details).
- Occasional rockhounding field trips to various locations around the islands.



For more information visit our website: www.rockandmineralsocietyofhawaii.org
Facebook: www.facebook.com/RockandMineralSocietyofHawaii
President – Matthew Martin, Vice-President Admin: Jon Bly, Vice-President/Lapidary - Dean Sakabe

- - - - - - - - - - - - - MEMBERSHIP APPLICATION FORM - - - - - - - - - - - - -

Membership for calendar year: _____

___ Single $10 ___ Family (2 or more) $15.00 ___ New Member ___ Renewal

Name(s): _____

Please list children's names and ages: _____

Mailing address: _____

City: _____ State: _____ Zip: _____

Phone Number(s): _____ Cell: _____

Email _____

Please send the monthly newsletter: ☐ via email (PDF file) ☐ printed copy

Special interests: ☐ Lapidary ☐ Faceting ☐ Thumbnails ☐ Micromounts ☐ Fossils

Please make check payable to: **Rock & Mineral Society of Hawai'i, PO Box 23020, Honolulu, HI 96823-3020**

RMSH Use Only: Received by: _____ Date received: _____