

# HUI PŌHAKU 'Ō HAWAII

## Rock & Mineral Society of Hawai'i, Inc.



### Meeting Times

MEETING  
Wednesday  
March 25, 2015

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

NEXT MONTH  
Blue-Green Minerals

LAPIDARY  
Every Thursday  
6:00-8:30pm  
Makiki District Park  
2nd floor Arts and  
Crafts Bldg

MEMBERSHIP  
DUE COSTS 2015  
Single: \$10.00  
Family: \$15.00

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

### Pink Minerals By Dean Sakabe

Pink Minerals is the theme for March. Please note that will not be talking about the Pink Diamonds from the Argye mine. Nor the Pink Sapphires that are coming out of Madagascar, which are Pink Sapphires and not light red Ruby's there is a difference and Ruby's are only red everything else is sapphires.

Starting off will be the nice **Pink Quartz's**. These quartz's colored by traces of Iron and Titanium are the ones found in crystal forms. Not the Rose Quartz found in massive habits. These quartz's are found in nice clusters or single crystals most notably from the Minas Gerais region of Brazil.



Pink Quartz, Galileia, Minas Gerais, Brazil

**Morganite** is a Pink Beryl, predominately a Beryllium, Aluminum, Silicate

Oxide. It was first identified in 1910, and was named the following year by George Kunz. Who named this mineral in honor of J. P. Morgan, who in turn



Smithsonite, Tsumeb, Namibia

happened to be an avid collector of Gemstones. Morganite receives its pink color via Manganese which substituted itself for Aluminum in the crystal lattice.

**Pink Smithsonite (or Cobaltan Smithsonite)** is a Zinc Carbonate. Smithsonite is named for James Smithson, founder of the Smithsonian

## Pink Minerals



Rhodonite, Minas Gerais, Brazil

Institution. The typical habit of Smithsonite is Botryoidal with a pearly luster. The pink color is from the Cobalt replacement of Zinc.

**Cobaltoan Calcite** as the name implies is a variety of Calcite which contains Cobalt. In this instance it is the Cobalt which causes the Magenta to pink color of Cobaltoan Calcite.

**Peruvian Pink Opal** found in the Andes mountains of Peru is a mixture of Cristobalite, Opal and Palygorskite. However all we care about is that it is Opal and Pink. Granted the

shades vary from near white to pink to near red. As with the various shades of color the hardness of this stone will also vary from 4.5 to 6 (although some which I have cut seemed harder than that). These opals do not have any play of color with in the stone. Instead they are just nice shades of pink.

**Rhodonite** is normally found as a massive pink stone, with veins of Manganese Oxide running thru it. The name rhodonite is derived from the term Rhodos, which is Greek for "Rose Colored". A vast majority of the Rhodonite is found in massive opaque form. However it can be found in transparent pink to



Pink Danburite with Calcite, Charcas, Mexico

reddish tones that are good enough to be faceted.



Cobaltian Calcite, Kankanda Mine, Democratic Republic of Congo

**Danburite** is a Calcium Borosilicate. It was named after the city of Danbury, Connecticut, where this mineral was first described at in 1839. Danburite is normally found colorless. However in San Luis Potosi, Mexico, Pinkish colored Danburite's are found.

**Thulite** is the Pink variety of the mineral Zoisite. It was first found in Norway, hence was named after the mythical region of Thule. The pink color is derived by the presence of Manganese. Zoisite is a Calcium Aluminum Silicate most noted by the gemstone Tanzanite or as

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 MAHALO TO MARKUS FOR ESTABLISHING OUR *ROCK FACE!*

**Officers**

*President*

Faye Chambers  
 cateyes@hawaii.rr.com

*Vice President/Admin.*

Brenda Reichel

*Vice President/Lapidary*

Dean Sakabe  
 Dean.d.sakabe@verizon.com  
 (808) 282-6681

*Treasurer*

Debbie Iijima

*Secretary*

*Newsletter Editor*

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.

**March 26 is Prince Kuhio Day**

**Makiki Park is Closed**

**No Lapidary Class that day.**

as the green stuff in Ruby in Zoisite. Zoisite can be found in colors of Gray, brown, yellow, green, blue, purple, pink and red.



Thulite, Lervik, Norway



Rhodochrosite Stalactite, Catamarca, Argentina

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