

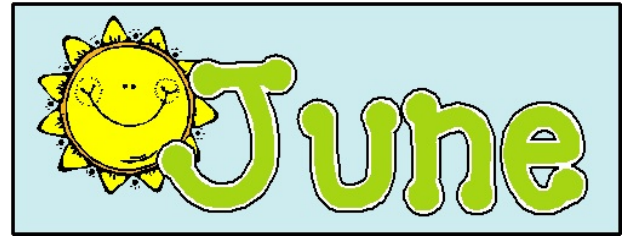


ROCK PICKENS

ST. LAWRENCE COUNTY ROCK & MINERAL CLUB Date: June 2016

June 2016

Next meeting is Wednesday, **June 1st**, 6:00 PM at the Canton Library. Pot luck dinner! Mineral of the month for show and tell is: diopside.



President: William deLorraine

Vice President: Wes Jennings

Secretary: Joanna deLorraine

Treasurer: Chris Ashley Meade

Show Chairperson: Gary Garlough

Newsletter Editor: Bill deLorraine

Webmaster: Glenn Simonelli

June: 4-5th Wayne County Gem & Mineral Club Gem Fest; Greater Canandaigua Civic Center N. Bloomfield Rd., Canandaigua, NY

July:

9-10 Gem World, Syracuse, NY

Gem World on Jul 9, 2016 **Gem World** is happening at SRC Arena and Events Center **Syracuse, NY**

August:

20-21 St. Lawrence Co. Rock & Mineral Club Show, Canton, New York

50th Annual Show -- NEW LOCATION ... The Canton Pavilion. Free admission, free mineral kits for kids, free gem tree classes. Fluorescent mineral hunt for kids Friday, 19th, at dusk. Hrs. Sat. 9-4, Sunday 9-3; wdellie@gmail.com 315-287-4652.

September:

24-25 60th Annual Franklin Sterling Gem and Mineral Show Franklin Elementary School, 50 Washington Ave, Franklin NJ 07416

Indoor show: Saturday 9:00 am to 5:00 pm. Sunday 10:00 am to 4:00 pm.

Outdoor Swap: Saturday 9:00 am to 6:00 pm. Sunday 10:00 am to 5:00 pm.

Minutes from the May Meeting.

There were 19 people in attendance. The meeting came to order at 7:15 PM. Joanna read the Treasurer's report from Ashley Meade and read the minutes from the last meeting. Under New Business Bill informed the club that he had been in touch with Mike Rygel from Potsdam and the college will supply 50 tables for our show. We talked about some of the main stream dealer that would not be able to attend our show this year as it conflicts with another large show they attend.

2016 Membership Dues

Please ensure that we have your current e-mail address!

We strive to send all newsletters by e-mail
Please mail dues to:

Ashley Meade, Treasurer
3715 CR 14

Madrid, NY 13660

Single Membership: \$10.00. Family Membership: (Family members under the same roof at the same mailing address): \$20.00

Contact information:

315-287-4652 or

wdellie@gmail.com

THE CLUB'S WEBSITE:

www.stLawrencecountymineralclub.org



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We talked a little about the date for next year, our show is always the third weekend in August. The 4th weekend is Memorial Weekend. Wes spoke about our field trip to Moonstone Mine. Wes is checking on the date with the owner of the land. We also talked about the Bear Lake Diggings being closed. There are 10,000 acres on the opposite side of the road that could be collected on possibly. Wes and Bob both said they will be setting up at the show. The mineral of the month for June will be diopside. Bob Taillon said that we should have a sign in front of the pavilion at our show this year. We had a great time of “show and tell”; George Robinson and Bill showed the pieces of fluorite that they brought. George explained to the group how fluorite can be cleaved along cleavage planes and into octahedrons. Bill brought all different colors and threw in a “ringer” specimen which George promptly spotted the impostor as calcite which cleaves into rhombohedrons as opposed to octahedrons. George also brought in a fluorite information sheet which we have reproduced here as the “Fluorite Checklist”. Many thanks to George for this addition to the newsletter!

Upcoming Field Trips

Moonstone Mine:

VP Wes Jennings has been in contact with the owner of a Moonstone quarry/mine and has made arrangements for the club to go to that site on June 4th; contact Wes for details at 518-354-3211. We will be finalizing details for the moonstone field trip during the next meeting on June 1st.

Wayne Co. Mineral Club Field Trips:

June 23-26 (*tentative long weekend trip*): Gilsum Rock Show and Swap, Gilsum, NH combined with possible shared collecting trip with a Vermont club

July 17-24 –ONTARIO, Canada (Bancroft?, Eganville? Cobalt?) Final destinations to be determined by those attending. Planning will continue but this will be the week *Leader – Fred Haynes*



Showcase from the Rochester Mineralogical Symposium

Fluorite Checklist

General Information

Fluorite is calcium fluoride (CaF₂). Its name is derived from Latin “to flow” since fluorite melts more easily than most minerals. The element fluorine is named after the mineral fluorite, as is the word “fluorescence,” since it is so commonly observed in that mineral (most commonly fl. blue in LW-UV light due to trace amounts of Rare Earth elements that have excitable electrons; cream-white fluorescence in brown fluorite is due to hydrocarbon inclusions).

Fluorite occurs in every color of the rainbow, and in most cases is due to lattice defects known as F centers (or color centers) that are due to radiation; but the brown color of some fluorite (e.g. from Clay Center, Ohio) also may be due to inclusions of hydrocarbons.



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Uses

Fluorite is used as a flux in the steel industry, and in the chemical industry from fluoridation of drinking water and fluoride toothpastes to prevent tooth decay, to the manufacture of hydrofluoric acid, Teflon, Freon, and many other industrial chemicals.

Distinguishing physical properties

Relatively soft (Mohs hardness = 4; easily scratched with knife blade)

Common in cubic or octahedral crystals

Prominent octahedral cleavage (i.e. in 4 different directions)

Denser than quartz, feldspar or calcite (S.G. = 3.18)

Commonly fluorescent blue in longwave UV light (except brown fluorite, fl. cream-white color)

Geological Occurrence

Most common in hydrothermal veins and Mississippi Valley Type (MVT) deposits; also some pegmatites and alpine clefts.

Important Localities

Local and NY State: Macomb, Muskellunge Lake, Benson Mines; any quarries in the Lockport Dolomite (e.g., Penfield, Walworth).