



THE TULIP CITY CONGLOMERATE



Bulletin of the Tulip City Gem & Mineral Club, PO Box 2082, Holland, MI 49422

Website: www.Tulipcity.org

November 2019

Volume 52, Edition 9

Nov 22-24, 2019
St. Louis, MO
Annual Show

Nov 22-24, 2019
Crystal, MN
Annual Shows

Nov 22-24, 2019
Madison, WI
Annual Show

Dec 4, 2020
Board Meeting
HMCC 7pm

December 18th
General Meeting
HMCC, 7pm

December 31st
2020 Club
Membership
Dues Deadline

This Edition

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November 20, 2019, 6:30 pm
Howard Miller Community Center
(Please Note the Early Time!)

CRATER LAKE NATIONAL PARK

This month's general meeting is going to be a real treat. Rod Cranson, one of our own members will be talking about his experiences in Crater Lake National Park in Oregon. He graduated from Michigan State University with a B.S. Degree in geology and a Master's degree in education. He taught earth science for three years



in high school before joining the Science Department faculty at Lansing Community College (LCC) where he taught geoscience courses for 27 years. I asked Rod to tell me about his experience, and he wrote:

"During my time at LCC I worked seven summer seasons as a Ranger/Naturalist at Crater Lake National Park. This allowed me to study the geology of park and was fortunate to share some time with U.S.G.S. Geologist Dr. Charles Bacon as he mapped and reinterpreted the park's geology. This allowed me to prepare a book (Gem of the Cascades) on the park's geology - written in a format to appeal to visitors and others interested in geology. The original was published in 1981 and 2nd and 3rd edition has since been published to include more recent research.

My Crater Lake program is a power point presentation reviewing highlights of the the park's geology - especially the climatic events that created the caldera.
(Continued on Page Three)

Club Calendar 2019-2020

Dec 31 – 2020 Club Dues Deadline!
 Jan 15 (Wed) – Board Meeting, 7p, HMCC
 Jan 29 (Wed) – General Meeting, 7p, HMCC
 Feb 12 (Wed) – Board Meeting, 7p, HMCC
 Feb 26 (Wed) – General Meeting, 7p, HMCC
 Mar 6-8 – Richmond, IN Annual Show
 Mar 7-8 – Macomb, IL Annual Show
 Mar 11 (Wed) – Board Meeting, 7p, HMCC
 Mar 11-12 – Canton, IL Annual Show
 Mar 25 (Wed) – General Meeting, 7p, HMCC
 Mar 28-29 – Cedar Rapids, IA Annual Show
 Apr 4-5 – Marion, IL Annual Show
 Apr 15 (Wed) – Board Meeting, 7p, HMCC
 Apr 22 (Wed) – Show Meeting, 7p, HMCC
 Apr 29 (Wed) – Banquet! 6p, HMCC
 May 13 (Wed) – Board Meeting, 7p, HMCC
 May 27 (Wed) – General Meeting, 7p, HMCC
 Jun 10 (Wed) – Board Meeting, 7p, HMCC
 Jun 17 (Wed) – Show Meeting, 7p, HMCC
 Jun 24 (Wed) – General Meeting, 7p, HMCC
 Jan 15 (Wed) – Board Meeting, 7p, HMCC
 Jan 29 (Wed) – General Meeting, 7p, HMCC
 Jul 18 (Sat) – Picnic!
 Aug 12 (Wed) – Board Meeting, 7p, HMCC
 Aug 19 (Wed) – Show Meeting, 7p, HMCC
 Aug 26 (Wed) – General Meeting, 7p, HMCC
 September - 51st Annual Show, TBA
 Oct 14 (Wed) – Board Meeting, 7p, HMCC
 Oct 21 (Wed) – Show Meeting, 7p, HMCC
 Oct 28 (Wed) – General Meeting, 7p, HMCC
 Nov 4 (Wed) – Board Meeting, 7p, HMCC
 Nov 18 (Wed) – General Meeting, 7p, HMCC
 Dec 2 (Wed) – Board Meeting, 7p, HMCC
 Dec 16 (Wed) – General Meeting, 7p, HMCC

HMCC = Howard Miller Community Center, 14 S Church St. Zeeland, MI

Major source of material is from: <http://www.amfed.org/mwf/Calendar/>

Check out the Facebook Group:

<https://www.facebook.com/tulipcityclub/>

2019 Officers and Board of Directors

| | | |
|-----------------|-------------------|--|
| President | C.H. Falstad | cfalstad@ameritech.net |
| Vice President | Shari Luttkhuizen | sluttkih@oaisd.org |
| Secretary | Open | |
| Treasurer | Kurt Brinks | kbrinks@hollandpublicschools.org |
| Fld Trip Coord. | Julia Sherwood | bobandjulia@accn.org |
| Historian | Betty Hoekstra | kbhoek@att.net |
| Jr. Club Coord. | Rick Smith | Hollandrsmith@gmail.com |
| Jr. Club Coord. | Linda Winkelmann | lindawinkelmann@att.net |
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| Social Coord. | Linda Plumert | rlplumert@gmail.com |
| Dir. at Large | Tim Brandt | timwbrandt@gmail.com |
| Dir. at Large | Amy Dickinson | adickins@oaisd.org |
| Past President | -Bob Sherwood | bobandjulia@accn.org |

For 2019, there are fifteen (15) positions, which have one vote each. There are currently (15) persons on the Board (two persons share one position). One position is open.

Specimen of the Month

The specimen of the month contest is "fossils that I have prepped". It can be a fossil that you bought or found, but you must have cleaned it up or prepped it in some way. Kurt Brinks has graciously agreed to provide the prize for this one, so he may bring in something to show, but he will not compete in the competition. You may also bring in a fossil for show and tell if you like - I will have a separate table for that. Good Luck, everyone!

Winter Workshops

Winter workshops - There was a sign up sheet for Workshop ideas, and there were a lot of great ideas. I am not planning on a workshop before Christmas, but we could get something going in January. I will have several sign-ups available where you can sign your name if you are interested in either attending, or hosting (some of the workshops you just need a space for 10-12 people, and a large table)

If you have any questions, contact Shari Luttkhuizen, or sign up at the November 20 meeting.

Nerd Word Time!

CALDERA

- n. A large crater formed by volcanic explosion or by collapse of a volcanic cone.
- n. A large kettle or caldron; hence, in *geology*, an amphitheatrical depression in a volcanic formation.

caldera (n.)

"cavity on the summit of a volcano," 1865, from Spanish caldera, literally "cauldron, kettle," from Latin caldarium "hot-bath" (plural caldaria), from caldarius "pertaining to warming," from calidus "warm, hot" (from PIE root *kele- (1) "warm").

The term was originally used in describing volcanic regions occurring where Spanish is the current language, and was introduced by Von Buch in his description of the Canaries.

[Century Dictionary]

(continued from Page One)

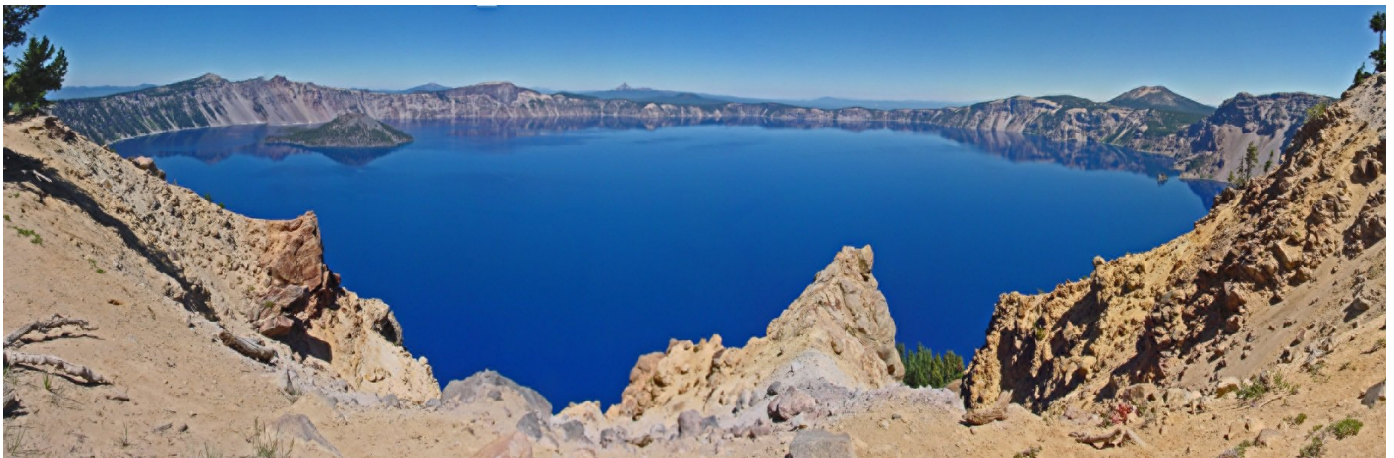
Crater Lake rests in a caldera along the Cascade Volcanic Range in south central Oregon. It is generally recognized as the best example of a volcanic caldera in the world. Since its discovery in the 1850s and establishment as a national park in 1902, it has been a popular destination - for both geologists and visitors. Some 7,700 years ago a violent eruption at Mount Mazama, one of the large Cascade composite volcanoes, resulted in the collapse of its summit. The resulting caldera is about 4,000 feet deep and is now half filled with water forming Crater Lake.

Field studies began in the 1880s with the first comprehensive geologic report published in 1902. It established the idea that a volcano had collapsed creating the basin that became known as a caldera. A second extensive geologic field study completed in 1940 detailed Mazama's geologic history and how the caldera formed. Some forty years later a third geologic mapping of the park detailed the sequence of events that produced the caldera that Crater Lake now occupies.

Due to its relatively recent formation the geology of the Crater Lake caldera appears "fresh." The Mazama composite cone was gradually built up over a long period of time by erupting alternating layers of lava and pyroclastic material. After a period of burial under glaciers, the volcano became active again. A series of smaller precursor volcanic events was followed by a massive eruption in two phases - climatic and ring vent. As the magma chamber was emptied support for the summit was removed and it catastrophically settled creating the caldera.

This exhausted Mazama's volcanic energy and activity waned and was primarily confined to the floor of the caldera. Wizard Island and Merriam Cone, two cinder cones, along with lava flows wrapped up volcanic activity at Crater Lake."

Rod also plans to have copies of the 3rd edition (it comes in two forms – soft cover and a hardcover centennial to commemorate the 100th anniversary held in 2002) available for sale at the November meeting. Rod also mentioned that he collected a bunch of climatic pumice last summer and will bring some along with a small description card for members to get a specimen. So, battle the cold weather and join us on November 20 for an amazing trip to Oregon!



Elections!

Elections to the 2020 Board will be held at the General Meeting. Additional nominations may be submitted at the Meeting. Current nominees are:

President: Open,

Secretary: Brenda Olson

Field Trip Coordinator: Jon Mull & Bob Sinke (shared)

Historian: Betty Hoekstra

Junior Club Coordinators: Linda Winkelmann & Rick Smith (Robin Kreun asst.)

Show Coordinator: Sue Goedert

Newsletter Editor: Rudy Silich

Director at Large: Mary Johnson

Vice President: Shari Luttkhuisen,

Treasurer: Kurt Brinks

Liaison: Rhonda Gehringer

Membership Coordinator: Chris Silich

Social Coordinator: Linda Plumert

Director at Large: Randy Wake

Juniors Puzzle Page

Want a fun, rockhounding challenge? See if you can unscramble the words below. Bring your completed page to the November junior meeting and, if all the answers are correct, you'll receive a mineral prize for your efforts. (For help with the answers, think back to last month's junior presentation on Jacobsville sandstone or reread the Junior Page article in the October newsletter.)

1) What's the name of the Michigan city for which Jacobsville sandstone is named?

A V I L E S L O B J C

— — — — — — — — — —

2) Which of the three rock types does Jacobsville sandstone belong to?

M A N Y S E E D I R T

— — — — — — — — — —

3) What was the principle use of Jacobsville sandstone?

U G L I B I N D

— — — — — — — —

4) The absence of what prehistoric remains makes it difficult to determine the precise age of Jacobsville sandstone?

L O S S I F S

— — — — — — — —

CLUB CAPS FOR SALE

The Club Caps that were for sale starting with the Show will be available at this next meeting in Zeeland. The price is \$14.00 each. Please bring cash or checks to pay for them. The size can be adjusted with a buckle, not Velcro.



Be the first on your block to have one!

Junior Rock Club Page

CRAFT NIGHT!!!

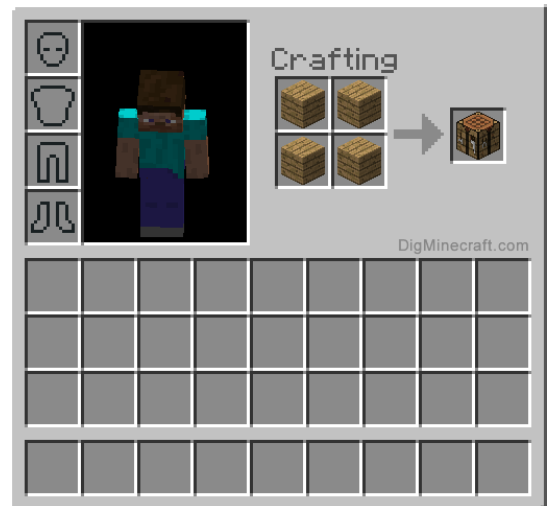
SPECIAL START TIME: 6:30 PM

Our November junior program will be a craft night, a change of pace from our usual informational meetings. We'll be making quartz crystal pendants using a wire-wrapping technique. Participating juniors will receive all the supplies necessary to create their own quartz crystal pendant—the crystal, the wire, and the training! Plus the technique we'll be learning is one that can be easily adapted to wrap beachstones or tumbled stones to create pendants. (And, who knows, maybe this project will lead you to a Christmas gift or two.)

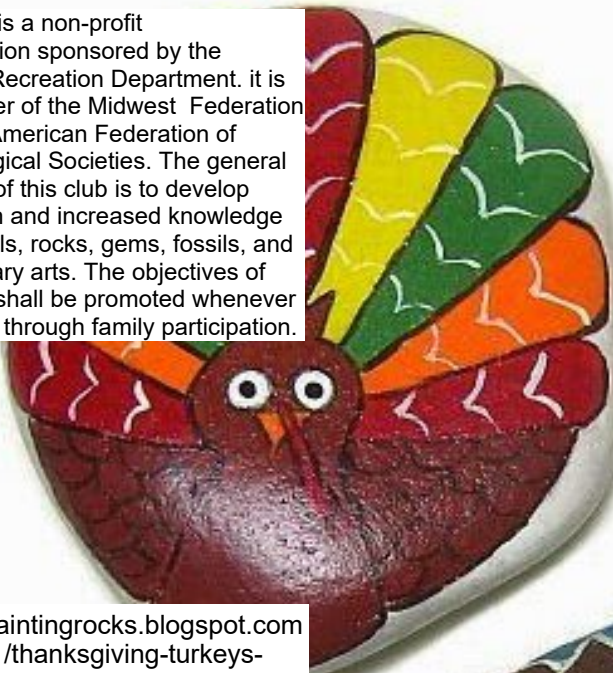
We'll be starting earlier than usual—6:30 pm—to make sure we have time to complete the project.

Why not join us on Wednesday, November 20, at the Howard Miller Community Center in Zeeland at 6:30 pm for a fun evening of crafting?

Rick Smith & Linda Winkelmann



Our club is a non-profit organization sponsored by the Holland Recreation Department. it is a member of the Midwest Federation and the American Federation of Mineralogical Societies. The general purpose of this club is to develop interest in and increased knowledge of minerals, rocks, gems, fossils, and the lapidary arts. The objectives of this club shall be promoted whenever Possible, through family participation.



To become a member, complete the form at www.tulipcity.org

The deadline for submissions is 5p the Thursday after the Board Meeting.

Advertising rates for club members are: \$5 for business card size, \$10 for ¼ page, \$15 for ½ page, \$30 for full page. non-member rates are double. Make check payable To: TCG&M with ad copy to Editor.

<https://paintingrocks.blogspot.com/2014/11/thanksgiving-turkeys-painted-on-rocks.html>



Meetings are held monthly on the last Wednesday of the month at the Howard Miller Community Center, 14 S. Church Street, Zeeland, MI at 7pm, unless announced otherwise in the TULIP CITY CONGLOMERATE. Junior Club welcomes young rockhounds and meets separately during the meeting.



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