



THE TULIP CITY CONGLOMERATE



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

Website: www.Tulipcity.org

December 2019

Volume 52, Edition 10

Dec 31, 2019
Club Dues Due!

Jan 15, 2020
Board Meeting
HMCC 7pm

Jan 29th
General Meeting
HMCC, 7pm



This Edition

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General Meeting
Wednesday, December 18, 2019 7pm
Howard Miller Community Center

The Search For E.T.I.
(With Volcanoes and Submarines Added)

We will have a blast from the past at the December meeting: Dr. Shannon Kobs Nawotniak will be presenting on "Submarines, Volcanoes, and the Search for Extraterrestrial Life." Shannon joined the Tulip City Gem and Mineral Club in 1986 at the age of 5 and remained an active member until she left Holland for college in 1999. She was an active outreach speaker in local elementary schools and was a co-founder of the Junior Club. Since then, Shannon graduated with her BS and PhD in geology from Michigan Technological University and the University at Buffalo, respectively, was awarded tenure at Idaho State University, and was named Director of the University Honors Program. She specializes in volcanology on Earth and other planets.

Shannon will be talking about her recent NASA project SUBSEA (Systematic Underwater Biogeochemical Science and Exploration Analog): "Enceladus, one of Saturn's moons, is a top candidate for the search for life in the solar system. It has liquid salt water and evidence for hotspot volcanism, making it potentially habitable for microbes. We're using unmanned submarines to explore volcanoes on the Pacific seafloor as an analog to Enceladus in order to better understand what might really be up there. I'm going to have photos and videos from our research cruises to Loihi seamount (near Hawaii) and the northern Gorda Ridge (off the coast of Oregon). In addition to getting to explore unknown areas, we're also doing all of our work as simulated missions into space, complete with a Mission Control team on "Earth" guiding the exploration. Adventures on SUBSEA have included hurricanes, an octopus attacking our submarine, and discovering a new hydrothermal field with water shooting out of the seafloor at 300 degrees Celsius."

Please join us to hear about some unusual geology adventures and to welcome Shannon home!

GAUDY HOLIDAY CLOTHES

You are invited to wear your gaudy holiday shirt or sweater to the meeting on Wednesday November 18. We will have one gift to give away to the best dressed!! Also, cake, coffee and punch!

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
Liaison	Rhonda Gehringer	rgehringer@homeoftheshamrocks.org
Membership	Christine Silich	CSDS77@icloud.com
Newsletter Ed.	Rudy Silich	tulipcitygemnews@charter.net
Show Coord	Sue Goedert	sonbeams2000@yahoo.com
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.

Winter Workshops

Winter is often long and cold with few opportunities to get out and go rockhounding. Most of us have a bucket or two in our garage, basement or shed that we need to do something with, but are not sure how to take that next step. Here are 5 different workshops that will be held over the winter months:

Lapidary for Beginners by
Rance and Anne Westover

Wire Wrapping for Beginners by
Sue Goedert

Fossil Cleaning and Fossil prep by
Kurt Brinks

Faceting for Beginners by
Eric Peterson

What is in your Tumbler? Rock
Tumbling basics for beginners and all
who enjoy tumbling by
Ken Hoekstra and Shari Luttkhuizen

Sign up sheets will be out at the
December meeting. If you have further
questions, please contact the person in
charge of the workshop you are
interested in, or Shari Luttkhuizen.

Nerd Word Time!

Definition of *tephra*
: solid material ejected into the air
during a volcanic eruption

First Known Use of *tephra*
circa 1944, in the meaning defined
above

History and Etymology for *tephra*

New Latin, from Greek, ashes; akin
to Sanskrit *dahati* it burns — more at
foment

President's Message by C.H. Falstad

It's hard to believe three years have come and gone. It's also difficult to list all the wonderful people who have served the Tulip City Gem and Mineral Club during the same period. I am so thankful for everyone of you who have helped me along my path as president, those that continue to serve, and those that have stepped forward to begin their time. I can honestly say it has been fun! My biggest regret is that I didn't do more.

Someone once said it is more blessed to give than to receive. That's true with tangible goods, but assisting all the fabulous members of this club has taught me how true it is with our time, too. I really feel I was benefited so much more personally because I was given the opportunity to serve this club.

There are a few other board members who have served many years and are now (hopefully only temporarily) retiring from the board. I hope you will join me in thanking, Bob Sherwood, Julia Sherwood, Amy Dickinson and Tim Brandt. I know I will miss having each of these on the board.

As our Vice-president, Shari Luttkhuizen, mentioned walking out of our December Board meeting, we had a lot of good ideas discussed, some of which will be implemented already in our December 18th General meeting.

One of these ideas is to have a "Stump the Experts" table. We'll have a section set up for you to put your unknown (or known) mineral, rock, crystal, fossil, etc. During our refreshment period we can all study them and put in our two cents if we have ideas what the specimen is. The more info you can provide about your specimen the greater the probability we have someone that will know the answer.

I recently learned of a newly "discovered" mountain in Peru. The local residents call it Vinicuna, which means "colored mountain." It's commonly called Rainbow Mountain, and because of the vibrant striped colors caused by the 5200 meters of sedimentary minerals National Geographic names this as one of the top 100 natural places to see before you die. Field trip anyone? Rainbow mountain offers gorgeous panoramic views for those able to do the climb, but more than that, if you quietly tell Mike Grabner, our door prize person, the country where you would find it, he'll give you an extra door prize ticket to double your chances of winning. Every family member who reads this qualifies for the extra ticket.

I can't thank you enough for the opportunity to serve the TCGMC as your president and I am confident with the new leadership of Mike Larsen and the 2020 Board that we will see far greater things.

2020 Officers and Board of Directors

President	Mike Larson	mblarson300@yahoo.com
Vice President	Shari Luttkhuizen	sluttikh@oaisd.org
Secretary	Brenda Olson	brendaolson01@gmail.com
Treasurer	Kurt Brinks	kbrinks@hollandpublicschools.org
Fld Trip Coord.	Jon Mull	solace247@yahoo.com
Fld Trip Coord	Bob Sinke	bobsinke@comcast.net
Historian	Betty Hoekstra	kbhoek@att.net
Jr. Club Coord.	Rick Smith	Hollandrsmith@gmail.com
Jr. Club Coord.	Linda Winkelmann	lindawinkelmann@att.net
Liaison	Rhonda Gehringer	rgehringer@homeoftheshamrocks.org
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Dir. at Large	Mary Johnson	maryjohnson299@gmail.com
Dir. at Large	Randy Wake	rgwake@charter.net
Past President	-C.H. Falstad	cfalstad@ameritech.net

Robin Kreun will be assisting the Jr. Club Coordinators

For 2020, there are fifteen (15) positions, which have one vote each. There are currently (17) persons on the Board (four persons share two positions).

CLUB CAPS FOR SALE

Only 14 left! If a family member does not have one of these *special edition* wearables, it would make a nice stocking stuffer. They will be available at the December General Meeting on December 18. 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!

**Tulip City Gem and Mineral Club
Howard Miller Community Center Zeeland
October 16, 2019, 7:00 PM; Board Meeting Minutes**

7:04 PM – Call to Order – declare quorum

Approval of Agenda: motion to approve with modifications by Julia, Rick seconded, motion approved;

Approval of Minutes of August 14, 2019 Board meeting;

Approval of Minutes of the August 28, 2018 General Meeting;

Board reports

President – C.H. Falstad – Big THANK YOU to all who helped out with the 50th Anniversary Show

Vice President – Shari Luttkhuizen General Meeting – Fossil cleaning and prep prior to regular meeting;

Keokuk Geode collection; 2020 schedule; passing of Maria Anaya – Howard Miller Library scheduler;

Treasurer’s Report – Kurt Brinks presented report;

Immediate Past President – Bob Sherwood nothing to report;

Editor – Rudy Silich news due by Saturday at 6:00 PM? Question about making membership list for members.

Questions about how to get people to read the Conglomerate.

Field Trip Coordinator – Julia Sherwood Alpena fossil trip report; Keokuk Geode collecting Nov 1-3;

Juniors – Rick Smith & Linda Winkelmann Jacobsville sandstone program;

Liaison – Rhonda Gehringer

Historian – Betty no report requested members help at door to greet new members

Membership Coordinator – Chris Silich (absent) total 50th Anniversary Show member sign-up

Show Chair – Sue Goedert - Show wrap-up and dates for 2020;

Social Coordinator – Linda Plumert October meeting (dress up for Halloween) have prize for best dressed, “special” gift for those not dressed; “trick-or-treat” with rocks?;

Directors-at-Large – Amy Dickinson (absent)

Tim Brandt: no report

Recurring business:

Proposed slate from Nomination Committee (Bob Sherwood, Jon Mull, Bob Sinke)

Donations: Rose quartz sphere (Beauties of Creation) Use for raffle April banquet Shari motion, Sue seconded, PASSED, mineral boxes (Kevin Ponzio)[tabled], Poppy Jasper (Kevin Ponzio), [tabled] Quartz cluster from Arkansas, etc. Committee to recommend to board; (Shari, Rick, CH)

Report PJ Hoffmaster Campground - Pam (from White River) and Linda Winkelmann program like Herrick Fest;

Changing bylaws to include Webmanager

New Business:

Table covers – biggest challenge at Show; \$16.50 @ 48 needed total \$825.00 Sue made motion to purchase total 50 table covers; Shari seconded; Motion Carries;

Lights (8 or 9) originally for show and now not useful, to be decided by donations committee (from Silent Auction)

Workshop ideas for overwinter programs; location possibility Hope College; What do you want to know?

Sheets for sign-up at General Meeting;

Correspondence:

Science Olympian teacher request for west Ottawa (Bob Myers)

Mineral identification Joshua Pratt

Items from visiting members: question about “Family membership” - parents and children under 18.

Paleo Joe has some good fossil books on Trilobites and Stromatolites;

Adjourn meeting: 8:20 PM

Respectfully submitted,
C.H. Falstad

**Tulip City Gem and Mineral Club
Howard Miller Community Center Zeeland
November 6, 2019, 7:00 PM; Board Meeting Minutes**

7:00 PM – Call to Order – declare quorum

Approval of Agenda: Bob seconded Shari; motion passed

Approval of Minutes of August 14, 2019 Board meeting; Bob motioned to approve with submitted by, Rudy seconded; Motion passed

Approval of Minutes of the October 16, 2018 Board Meeting; not presented

Approval of Minutes of the October 30, General meeting; change header (westside co park); Shari moved, Julia seconded; Motion passed;

Board reports

President – C.H. Falstad – no report

Vice President – Shari Luttikhuisen Fun ideas; lots of ideas for workshops; check into Hope College; Rod Cranson program on Caldera of Yellowstone; books for sale; contest fossil personally prepped;

Treasurer’s Report – Kurt Brinks healthy bank account;

Immediate Past President – Bob Sherwood next months meeting is early and election of officers, lead by C.H. ; December installation;

Editor – Rudy Silich news due by Saturday at 6:00 PM? C.H. email correct version of minutes for , Jon video of bubbling crockpot, we know what Caldera means;

Field Trip Coordinator – Julia Sherwood; disappointed about the cancellation of Keokuk trip;

Juniors – Rick Smith & Linda Winkelmann (Robin Kreun assisting); cage around crystal for pendant for possible Christmas present; (start at 6:30) 7 new juniors;

Liaison – Rhonda Gehringer (absent) will start in January for Rose quartz raffle;

Membership (absent)– Chris Silich; four new membership from meeting and in mail;

Show Chair – Sue Goedert - (absent) show title: “Canada’s Mineral Treasures” needs to be relayed to Millers to update; C.H. to contact;

Historian – Betty (absent)

Social Coordinator – Linda Plumert (absent)

Directors-at-Large – Amy Dickinson (absent), Tim Brandt: (absent)

Recurring business: none

New Business:

Seaman Museum donation (supported by public funds) motion (Julia) \$200 to the Seaman museum, general operating fund; special fund to go this year; Julia would be willing to write cover letter to go with check; Motion carries;

Correspondence:

“Rubellite” Lithography book of the month

Items from visiting members:

Conularia (jellyfish with back bone) found at Alpena;

Adjourn meeting: by 7:49 PM

Respectfully submitted,
C.H. Falstad

**Tulip City Gem and Mineral Club
Howard Miller Library, Zeeland, Michigan
November 20, 2019, 7:00 PM; minutes General meeting**

7:00 PM – Call to Order – C.H.

Present: 60 adults and 24 students, total 80 members!

Door prize for youth and adults;

Board reports

President – no report

Vice President – Shari Luttkhuizen program for the day, fossil prep contest;

Treasurer’s Report – Kurt Brinks brief report

Immediate Past President – Bob Sherwood no report

Editor – Rudy Silich - unpaid members last Conglomerate will be January, so DON’T be LATE!

Field Trip Coordinator – Julia Sherwood not present but brief report presented by Bob Sherwood;

Historian – Betty Hoekstra nothing new to report

Junior Leaders – Linda Winkelmann and Rick Smith with Robin Kruen; juniors started at 6:30 PM to make wire wrapped stones/crystals;

Liaison – Rhonda Gehringer no report doing monthly raffle, Large rose quartz sphere will be raffled off at our April banquet, first time to get tickets January General meeting;

Membership Coordinator – Chris Silich no report; to beginning thinking of paying for membership;

Show Chair – Sue Goedert absent- Show update by Shari;

No other reports;

Nomination committee (lead by Bob Sherwood, Jon Mull and Bob Sinke) presented their proposed slate of officers: President - no nomination; Vice President – Shari Luttkhuizen; Treasurer – Kurt Brinks; Secretary – Brenda Olson; Field Trip Co-chairs – Jon Mull and Bob Sinke; Historian – Betty Hoekstra; Junior Co-Leaders – Rick Smith and Linda Winkelmann; Show Chair – Sue Goedert; Newsletter – Rudy Silich; Membership Chair – Christine Silich; Liaison – Rhonda Gehringer; Social Chair – Linda Plumert; Directors-at-Large Mary Johnson and Randy Wake; Past President – C.H. Falstad. All nominees agreed to serve in these positions.

Deb Smith made a motion to approve Mike Larsen as President (Mike agreed to serve). Motion seconded by Bob Sherwood; Motion passed; Roger Nielsen made a motion to close nominations; Seconded by Bob Sherwood; Motion Passed; Motion called to approve the entire slate; Motion passed; Motion by Bob Sherwood that the vote be unanimous; Seconded by Roger Nielsen; Motion passed unanimously;

Rod Cranson presented his experiences and studies of the Crater Lake Caldera as a power point presentation and also sold his newest book, *Crater Lake, Gem of the Cascades*

Adjourned meeting by 9:30 PM.

Respectfully submitted,
C.H. Falstad

Junior Rock Club Page

How Smith-Winkelmann "discovered" Magnetite Chunks...

In early August 2019, Rick/Deb Smith & Linda Winkelmann pitched their tents at Northern Lights Campground, Republic MI by the river... (come to meeting to hear more about *that* story and why it's important to keep a magnet in your pocket in Michigan's Upper Peninsula).

What IS Magnetite? This mineral *IS NOT* a magnet - but it *CAN FIND* (or be attracted to) **MAGNETS!**

One variety, "Lodestone", became magnetized naturally with a north and south pole. Since one part of the stone points to the North Pole, it was very useful for ancient sailing ship navigators! Lodestones were why the earth force called magnetism began to be studied by people.

Magnetite *IS* an iron oxide, i.e. one of several "Iron Ores" commercially mined. This one is Fe_3O_4 and, when powdered, has a black streak. It is found as a black/gray, opaque chunk (like a rock) or as dark bits in sand.

Juniors will test Magnetite; observe a Lodestone in action; and learn how to differentiate Magnetite from another iron oxide Fe_2O_3 , Hematite ore.

What are uses of Magnetite? It is source material for pig iron and sponge iron, which are further processed into Steel for building things. Power plants use Magnetite to generate electricity. Compasses and navigation devices use it **BECAUSE** it can be used to *find* magnets and magnetic fields!

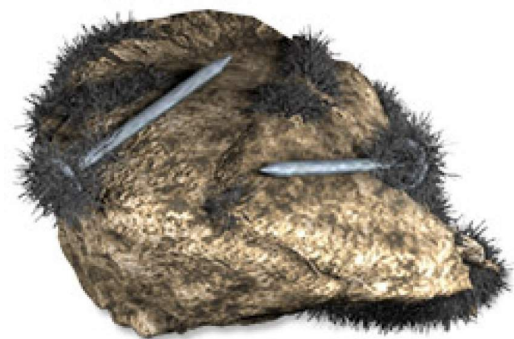
Rick Smith & Linda Winkelmann



Bar magnet stuck on Magnetite chunk



Close-up of Magnetite crystals



Lodestone (natural magnet) collects iron filings & nails

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.

Santa on Chimney Rock, north Carolina

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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Tulip City Conglomerate
Rudy Sillich, Editor
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