



# THE TULIP CITY CONGLOMERATE



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

Website: [www.Tulipcity.org](http://www.Tulipcity.org)

June 2017

Celebrating Fifty Years

Volume 50, Edition 6

**General Meeting**  
**7p June 28, 2017**  
HMCC, Zeeland, MI

**Minoequa, WI**  
**Jul 14-15, 2017**  
*Annual Show*

**Moose Lake, MN**  
**Jul 15-16, 2017**  
*Annual Show*

**Picnic/Mtg**  
**Jul 29, 2017**  
South Haven, MI

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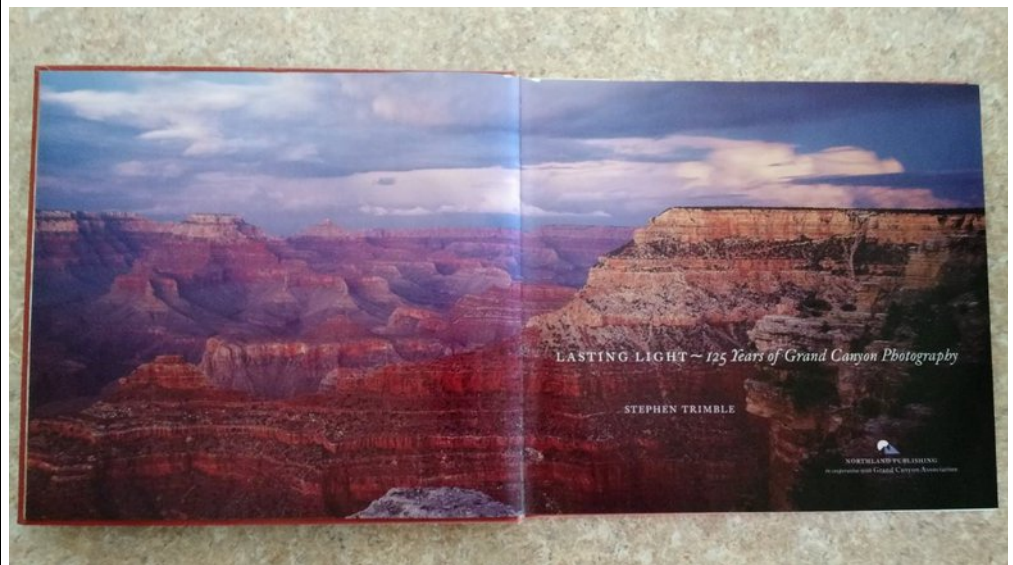
**General Meeting - June 28, 2017**

**COME TAKE A TIME TRAVEL TRIP**

Grand Canyon National Park was created in 1919 by then President, Woodrow Wilson to preserve the complex geology of the inner gorge that was created by the Colorado River. From the canyon rim to the current river level the rocks of Precambrian to Permian Periods and rock Formations named Vishnu to Kaibab are displayed distinctly as you stand at the Canyon rim or raft down the river.

A DVD borrowed from the Midwest Federation will give you some gorgeous visuals along with insightful narrative as we travel through "Deep Time".

Please bring any relevant printed or rock material that you have in order to share with other members.



Frontispiece from *Lasting Light* by Stephan Trimble

**June Monthly Rock Color Contest**

This month, we will display rocks in the tan to dark brown spectrum. The prize will be also in this color range. Bring your best example and vote for your favorite!

## Club Calendar

### July 29 – Tulip City Picnic/Mtg, South Haven, MI

Aug 5 – Ishpeming, MI Annual Show  
 Aug 8-11 - Keweenaw Peninsula Field Trips  
 Aug 11-13 - Houghton MI Annual Show  
 Aug 11-13 – Grand Rapids, Midwest Faceters Guild  
**Aug 12 – Fifth Annual Tailgate, Sam's Club, Holland**  
 Aug 12-13 - Rice Lake WI Annual Show  
**Aug 16 (Wed) – Board Meeting, 7p, HMCC**  
 Aug 18-20 – South Bend, IN Annual Show  
 Aug 21 – Total Solar Eclipse!  
 Aug 25-26 - Mountain Home, AR Annual Show  
 Aug 26-27 – Peoria, IL Annual Show  
**Aug 30 (Wed) – General Meeting, 7p, HMCC**

Sep 8-10 – Greenfield, IN Annual Show  
 Sep 8-10 – Toldeo, OH Annual Show  
**Sep 15-17 – Holland, MI TCG&MC Show**  
 Sep 15-17 – Lincoln, MO Annual Show  
 Sep 16-17 – Howell, MI Annual Show  
 Sep 23-24 – Oshkosh, WI Annual Show  
 Sep 30-Oct 1 – Traverse City, MI Annual Show  
 Oct 7-8 – Springfield, IL Annual Show  
**Oct 11 (Wed) Board Meeting, 7p, HMCC**  
 Oct 13-15 – Warren, MI Annual Show  
 Oct 20-22 – Spencerville, IN, Mason, MI, Annual Shows  
 Oct 20-22 – Fort Wayne, IN, Clio, MI Annual Shows  
 Oct 21-22 – Des Moines, IA Annual Show  
**Oct 25 (Wed) – General Meeting, 7p, HMCC**  
**Nov 15 (Wed) Board Meeting, 7p, HMCC**  
**Nov 29 (Wed) – General Meeting, 7p, HMCC**  
**Dec 6 (Wed) Board Meeting, 7p, HMCC**  
**Dec 20 (Wed) – General Meeting, 7p, HMCC**

HMCC = Howard Miller Community Center, 14 S Church St. Zeeland, MI  
*Italic listings* are non-Club events. Major source of material is from:  
<http://www.amfed.org/mwf/Calendar/>

## 2017 Officers and Board of Directors

President	C.H. Falstad	<a href="mailto:cfalstad@ameritech.net">cfalstad@ameritech.net</a>
Vice President	Julia Sherwood	<a href="mailto:bobandjulia@accn.org">bobandjulia@accn.org</a>
Secretary	Dan DeGroot	<a href="mailto:degrootd@sbcglobal.net">degrootd@sbcglobal.net</a>
Treasurer	Patti DeGroot	<a href="mailto:degrootd@sbcglobal.net">degrootd@sbcglobal.net</a>
Fld Trip Coord.	Bob Sinke	<a href="mailto:bobsinke@comcast.net">bobsinke@comcast.net</a>
Historian	Betty Hoekstra	<a href="mailto:kbhoek@att.net">kbhoek@att.net</a>
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Jr. Club Coord.	Linda Winkelmann	<a href="mailto:lindawinkelmann@att.net">lindawinkelmann@att.net</a>
Liaison	Jackie Helder	<a href="mailto:iambeadqueen@yahoo.com">iambeadqueen@yahoo.com</a>
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Newsletter Ed.	Rudy Silich	<a href="mailto:tulipcitygemnews@charter.net">tulipcitygemnews@charter.net</a>
Show Coord	Sue Goedert	<a href="mailto:sonbeams2000@yahoo.com">sonbeams2000@yahoo.com</a>
Social Coord.	Linda Plumert	<a href="mailto:rlplumert@gmail.com">rlplumert@gmail.com</a>
Dir. at Large	Open	
Dir. at Large	Teresa DeMol	<a href="mailto:t.demol@yahoo.com">t.demol@yahoo.com</a>
Past President	-Bob Sherwood	<a href="mailto:bobandjulia@accn.org">bobandjulia@accn.org</a>

For 2017, there are fifteen (15) positions, which have one vote each.  
 There are currently (16) persons on the Board (two persons share one position).



Shark Bay, Australia, Stromatolites



Hexagonaria percarinata



Michigan Favisite



Brachiopod



### June Meeting Raffle

At least three items being raffled off this month:

- 1) A three pound 10" x 6" slice of Mohawkite.
- 2) Eight "antique" copies of Lapidary Journal.
- 3) A pair of Jaspelite bookends.

There may be an additional jar of polished beach stone raffled also.



### American Federation of Mineralogical Societies Code of Ethics

- I will respect both private and public property and will not collect on privately owned land without owner permission.
- I will keep informed on all laws, regulations or rules governing collecting on public lands and will observe them.
- I will, to the best of my ability, ascertain the boundary lines of property on which I plan to collect.
- I will use no firearms or blasting material in collecting areas.
- I will cause no willful damage to property of any kind such as fences, signs, buildings, etc.
- I will leave all gates as found.
- I will build fires only in designated/safe places and will be certain they are extinguished before leaving the area.
- I will discard no burning material - matches, cigarettes, etc.
- I will fill all excavation holes which may be dangerous to livestock.
- I will not contaminate wells, creeks, or other water supplies.
- I will cause no willful damage to collecting material and will take home only what I can reasonably use.
- I will practice conservation and undertake to utilize fully and well the materials I have collected and will recycle my surplus for the pleasure and benefit of others.
- I will support the rockhound project H.E.L.P. (Help Eliminate Litter Please) and will leave all collecting areas devoid of litter, regardless of how found.
- I will cooperate with field-trip leaders and those in designated authority in all collecting areas.
- I will report to my club or federation officers, Bureau of Land Management or other authorities, any deposit of petrified wood or other materials on public lands which should be protected for the enjoyment of future generations for public educational and scientific purposes.
- I will appreciate and protect our heritage of natural resources.
- I will observe the "Golden Rule", will use Good Outdoor Manners and will at all times conduct myself in a manner which will add to the stature and Public Image of Rockhounds everywhere.

**2017 Show Dealers****WRAP N ROCK GEMS**

Gere Bunnell

Custom wire wrapping on site, polished  
Cabochons, slabs, finished jewelry

**J P GEMS & JEWELRY**

John &amp; Sheryl Silva

Custom made silver, gold & platinum Jewelry,  
natural fossil and stone specimens

**BEAUTIES OF CREATION**

Bill &amp; Linda Heyworth

Minerals, fossils, large & small  
petrified wood, amethyst cathedrals

**DAVE'S ROCKS & CARVINGS**

Dave Ennis

Minerals, crystals, cutting rough and slabs,  
animal carvings, metaphysical stones

**GEODE GALLERY**

Mike Sandstrom

Direct from the quarry

Keokuk & Mexican geodes, Mineral Specimens

**MANNING'S ROCK SHOP**

Mike Manning

Tumbled stones, minerals, rough and  
polished slabs

**RUSSELL'S TREES & TREASURES**

Sherry, Raquel &amp; Jim Jr. Russell

Gem trees, beads & bead supplies

**EARTH MINERALS**

Kevin Ponzio

Superb minerals & lapidary

**S & S LAPIDARY**

Gerald Stinnett

Jewelry, slabs, polished agates

**FRIENDS IN STONE**

John &amp; Sallie Hoskins

Carvings, fossils, jewelry

**UNIQUE RUSSIAN MINERALS**

Alex Balagula

Pietersite, Sugelite, Spectrolite & other  
rare stones plus finished Jewelry

**Tailgate Swap-n-Sell 2017 Update**

by Rance Westover

The one-day event was approved by Sam's Warehouse for August 12, 2017, which is the same weekend as last year. Now is the time to check your treasures to bring to the Swap. Get those extra cabs wire-wrapped or that extra bocks of rocks you just found again. Clean them up and bring to sell!

Rumor has it someone just found more Leland Blue, I bet some of it will be at the tailgate.

Again this year Bob Sinke will be cracking geodes at the Club Sales table. Don't forget to donate your share of Club Sales in the next three months. Flyers for the dealers and handouts for the public will be available one the back table at the General Meetings for the next three months. Also, please spread the word on your Facebook account (Fifth Annual Tailgate Sale).

Club members from Indian Mounds and Blossomland are expected. Additional club members from Lansing are talking about coming this year. We may see Traverse City and Kalamazoo members also! (Don't forget that the Kalamazoo tailgate is in September.)

This is an opportunity for all Tulip City Club members to get their juniors involved.

The Tailgate is one of two sales-related events sponsored by the Club each year. Please support the Club by selling your rocks and gems and purchasing new treasures from your fellow members!

**Tulip City Gem and Mineral Club  
May Board Meeting  
Howard Miller Community Center  
Zeeland May 17, 2017**

**7:02 PM – Call to Order**

Approval of Agenda: Motion made by Bob Sherwood, seconded by Rudy Silich, motion passed

Approval of Minutes of the April 12, 2017 Board Meeting - Dan DeGroot, Motion made by Bob Sinke and seconded by Julia Sherwood, motion passed.

Approval of Minutes of the April 26, 2017 General Membership Meeting – Rudy Silich - Motion made by Rudy Silich, seconded by C.H. Falstad, motion passed.

April Treasurer's report – Patti DeGroot

**Board reports**

President – C.H. Falstad : The Soccer Stop contract was signed.

Immediate Past President – Bob Sherwood offered a completed document and photographs listing all of our Community Involvement projects and past events that our members have taken part in. So far there are 10 topics in the list. The document will be forwarded to the Millers to be posted on our website.

A drawing of our display cases was found. Copies were distributed to a few members of the board. (C.H. Falstad, Sue Goedert and the original to Liz Hoekstra)

Vice President – Julia Sherwood: The speakers at the next General Club meeting will be our own Junior Members. They will do a presentation on Carbonate Minerals. We are planning to have the summer picnic at the Sherwood's place on July 29<sup>th</sup>. A drawing of our display cases was found. Copies were distributed to a few members of the board.

Editor – Rudy Silich , Please have your articles in by May 20<sup>th</sup>, 7pm Saturday.

Field Trip Coordinator – Bob Sinke:

Bob reported that there were about 30 people that went to the Rock Solid Granite facility, on Friday, May 5<sup>th</sup>. Many members went home with slabs of granite and quartz countertop material. Bob is planning a trip to Wisconsin, June 9-11. On the list is a stop in Kenosha for fossils, the Morris quarry at Green Lake, and a quarry near Sturgeon Bay. Spaces are limited, so sign up early. There are plans for a July trip to Alpena for fossils and a trip to Keokuk, Iowa.

Historian – Betty Hoesktra: We should save receipts for club assets (ie. Trailers).

Junior Leaders – Linda Winkelmann and Rick Smith: The Junior Members will do a presentation on Carbonate Minerals as our main program for the next General Meeting.

Liaison – Jackie Helder: Jackie went to the MWF show/Convention as our club representative. She turned in her notes and handouts to our Historian. Jackie requested that additional funds be made available for the MWF show expenses. A motion was made by Sue Goedert, seconded by Rick Smith, motion passed. Jackie purchased a couple of 2017 MWF Directories at the Show. There was one available yet at \$5 at the time of our meeting.

Membership Coordinator – Chris Silich had two more Club dues renewals at the banquet.

Show Chair – Sue Goedert reminded us that there will be a show committee meeting on Wednesday May 24<sup>th</sup> at 7pm at the Howard Miller Community Center.

Social Coordinator – Linda Plumert was not present.

Directors-at-Large – Teresa DeMol was not present.

**Correspondence:** None

**Previous Business:**

HerrickFest , June 24<sup>th</sup>, 10:00 AM – 2:00 PM.

There was a request for volunteers.

The Moran Scholarship criteria has been completed and has been forwarded to the club website.

Four TCGMC Supported displays – Website posting

Hemlock Crossing Petoskey & Septaria polish – Rick Smith reported that this will take place 1:30 – 2:30pm on August 12<sup>th</sup>. The Ottawa County park will register from 12 to 20 participants.

**New Business:**

Art Edson passed. He will be missed by all. A Memorial Book “Opal” will be ordered for the Howard Miller Library in Zeeland. He really liked opals.

**Items from visiting members:**

Ken Hoekstra presented the club with two highly polished agates from the Larry Graves material. One was a large Laguna agate and the other was a Crazy Lace Agate. Patti DeGroot suggested that these be saved for one of our future Club Auctions .

Meeting adjourned at 8:28 PM.

Meeting notes submitted by :

Secretary - Dan DeGroot

**TCGMC General Meeting  
May 31, 2017, 7 p.m.  
Howard Miller Community Center**

54 Adults present, 4 Juniors present

Welcome: Recognition of New Members and visitors. Richard Ely from Bangor, MI came for the first time and is anxious to learn about all things related to minerals. We have one visitor, Sue Felt.

Door Prize Drawings: 1 Adult, 1 Junior (Mike Graebner): Jetsen Minter won the Juniors door prize and Linda Plumert won the adult door prize.

President's Remarks:

Reminder that Mike Graebner would appreciate some door prize specimens for youth and adults. If you have something you'd be willing to donate, please see Mike.

Passing of Art Edson – memorial service on May 20<sup>th</sup>. We held a moment of silence. A book about opals will be donated as a memorial to Zeeland library.

Treasurer – Financial Report for April – Patti DeGroot gave the financial, report. She also showed us some club patches that are for sale at \$4 each. They are nice to wear when we are out on field trips and travels to shows and conventions.

Show Chair - Sue Goedert reported on the show committee meeting for “GEODES –

Hidden Treasures” Most of the printed flyers have been completed. Many volunteers are still needed. We need rocks for Club Sales.

Field Trips – Bob Sinke: There is a field trip June 9-11 to Wisconsin with limited signups available. If there is a large response there may be a second trip later this year.

There is a trip planned to collect fossils at Alpena on July 8th.

August U.P. Trip – Bob Sherwood: Many people are going to attend shows and field trips in the U.P. In August. See Bob for more information .

Membership Coordinator – Chris Silich, No report.

Presentation of MWF Award to TCGMC: Jackie Helder attended the 2017 MWF Convention as our club representative this spring. The TCGMC was presented with a certificate of thanks for the donation of over \$4000 .

Monthly Rock Contest: May (Lavender to purple rock) . Vote for your favorite rock.

Adjournment of Business Meeting.

Program – Junior Members – You Don't Have To Be Old To Be Wise, or Counting Carb(onate)s.

A very nice program was presented by four of our Junior members, some in person and by video presentation.

- 1) *Next Board Meeting: June 14, 7 p.m., ZCC*
- 2) *Next General Meeting: June 28, 7 p.m., ZCC*

### **New Member Profile: Dan Nevins**

Prior to joining our club at the 2016 show, Dan Nevins had attended one meeting. When he heard the call for members to volunteer for a work session to rehab and stain our exhibit cases, Dan stepped up and helped with some of the heavy lifting. Just looking at him one might guess he would have excelled in high school wrestling and football—which he did! Interestingly, Dan heard about the club indirectly through Amy Dickinson who works with his mother at Career Line Tech Center.



A native of Grand Haven, Dan has just purchased a home in Grand Rapids where he works at Steelcase. He has a B.S. in Geological Engineering from Michigan Tech, graduating in 2014. At Steelcase, he uses the engineering side of his degree as a lab technician to test physical properties of furniture.

Not surprisingly, his primary interest is collecting in the Keweenaw for copper, datolite, greenstone, chisel chips, rhodochrosite and half-breeds in mine tailings ranging from the Clark to the Baltic. He had collected with a class in the (now) closed Empire iron ore mine in Palmer, Marquette County. In the future Dan hopes to explore our western states and specifically try gold mining in California. He would especially like to search for the elusive diamond at Crater of Diamonds in Murfreesboro, Arkansas.

As an Eagle Scout, his other collecting interest is Boy Scout memorabilia.

We are looking forward to Keweenaw collecting together in August where he can hopefully give us some pointers on new locations.



## Junior Rock Club Page

**APATITE** (sounds like "appetite") and is a phosphorous source for plant fertilizer (yummy food for roots & tips)!

**Rick Smith and Linda Winkelmann**  
Junior Club Leaders

**Apatite minerals are beautiful with a hexagonal crystal system.** The crystals are translucent to transparent and come in various shades of green, yellow, blue, pink or brown! The crystal habits vary from tabs to prismatic to compact to granular. On the Mohs Hardness Scale, apatite is the 5<sup>th</sup> defining mineral. As a phosphate, it occurs naturally as an inorganic salt of Phosphoric acid ( $H_3PO_4$ ); and the variations are important to both plants (in soils and as fertilizer) and to people.

Actually, "Apatite" is a group name for three calcium phosphates that are difficult to tell apart without lab tests: Hydroxyl-apatite, Fluoro-apatite and Chloro-apatite. Apatite also has the tendency to be mistaken for other minerals, which shows in the translation of its original Greek name "to deceive or to be misleading". Perhaps one reason Mr. Mohs used Apatite as #5 is because it is softer than other hexagonal minerals, such as the six-sided crystals of beryl and emerald (Mohs 7.5).

At the Junior Meeting, we'll have gemmy crystals on hand (and for the take-home thanks to Betty and Ken Hoekstra). Kids can test Apatite's hardness against the other Mohs minerals and some mystery samples!

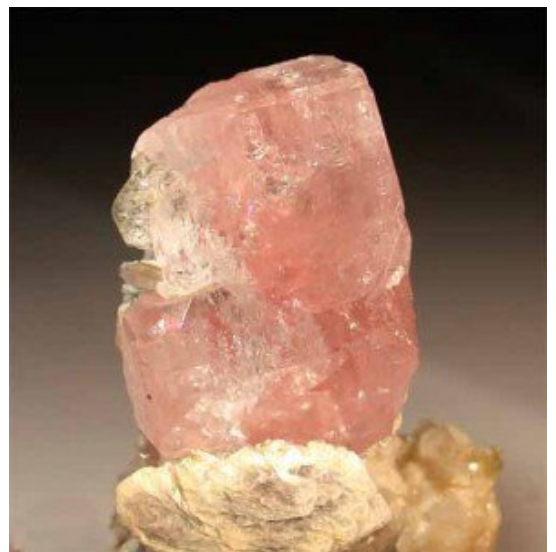
"Apatite" = Calcium Phosphates a basic unit of  $Ca(PO_4)$  attaches *end elements* of Chlorine (Cl) or Fluorine (F) or hydroxyl (OH)



From Calvin.edu Chimes Oct 28, 2016



Apatite (CaF) (from wikipediacommons)



Pink Apatite (from woodsciencewiki)

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](http://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.

Brown Apatite

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.



Tulip City Conglomerate  
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