



# 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)

March 2020

Volume 53, Edition 3

**Mar 28-29, 2020**  
Richmond, IN  
Annual Show

**Mar 28-29, 2020**  
Cedar Rapids, IA  
Annual Show

**Mar 28-29, 2020**  
Janesville, WI  
Annual Show

**April 4-5, 2020**  
Marion, IL  
Annual Show

**April 15, 2020**  
Board Meeting  
HMCC 7pm

**April 22, 2020**  
Show Meeting  
HMCC 7pm

**April 26, 2020**  
GVSU Picnic  
See Page 2

**April 29<sup>th</sup>, 2020**  
General Meeting  
Potluck Banquet  
HMCC, 6pm

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*Because of the viruscite, a  
quarntentine is in effect until further  
notice.*

# March General Meeting

# Is

# Cancelled

At this time, our April Potluck Banquet is still scheduled for April 29<sup>th</sup>.

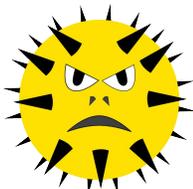
All remaining workshops have been postponed until further notice.

Please consult the Club website ([www.tulipcity.org](http://www.tulipcity.org)) for up to date information, or the next edition of the Tulip City Conglomerate.

Workshop updates: Sue Goedert did a beginners wire wrapping workshop on Saturday, March 7, and 4 people attended. The workshop went very well.

On March 14, Rance and Anne Westover held a workshop on beginning lapidary, making a cabochon out of a petoskey slab. They report that they had 8 people, and many great cabs were finished that day. They may be interested in doing another workshop in the future.

More workshops will be offered after this Chinese coronavirus subsides. The second rock tumbling workshop and the wire wrapping irregular shapes workshop will be offered at a later date.



Club Calendar 2020**Show Corner**

May 1-3 – Kalamazoo, MI Annual Show  
 May 13 (Wed) – Board Meeting, 7p, HMCC  
 May 22-24 – Field Trip to Keokuk  
 May 27 (Wed) – General Meeting, 7p, HMCC  
 Jun 6 – Herrickfest, Park township Airport  
 Jun 10 (Wed) – Board Meeting, 7p, HMCC  
 Jun 17 (Wed) – Show Meeting, 7p, HMCC  
 Jun 24 (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 18-20 - 51<sup>st</sup> Annual Show  
 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/>

Our Facebook Group: <https://www.facebook.com/tulipcityclub/>

2020 Officers and Board of Directors

President	Mike Larson	<a href="mailto:mblarson300@yahoo.com">mblarson300@yahoo.com</a>
Vice President	Shari Luttkhuizen	<a href="mailto:sluttkh@oaisd.org">sluttkh@oaisd.org</a>
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Past President	C.H. Falstad	<a href="mailto:cfalstad@ameritech.net">cfalstad@ameritech.net</a>
WebMaster	Julia Sherwood	<a href="mailto:bobandjulia@accn.org">bobandjulia@accn.org</a>

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).

The Board approved an additional Board position with responsibility for maintaining the Club's social media. This position must be ratified by the Mambership before it is formally approved.

**Corrections!**

The last edition published incorrect dates for the Keokuk trip. The collecting dates are May 22-24. I apologize for the error. - Rudy

Well, we're under 6 months until our show. We're having our first meeting April 22 at 7pm at the lower level of the library. Time to start making some decisions on the direction this year. We just got our flyers printed. Can't wait to show you! Still missing a few committee heads. The first is Dealers - I usually handle a lot of that job, but I do need someone to give me input into where to place dealers and to be there Thursday to welcome and direct them and then check in a time or two during the show. The other position is Tickets. That would involve setting up the table and making sure there are enough supplies, and getting people to fill in. Most people love to work it, so it's not hard to get people lined up. If you are interested, please contact me at either 616-337-1162 or email me at [sonbeams2000@yahoo.com](mailto:sonbeams2000@yahoo.com).

Excited to make this another great year!

Sue Goedert  
Show Chair

**Spring GVSU Geology Picnic**

Sunday, April 26, 2:00 p.m.  
 Kevin & Sue Coles home  
 403 Fennessey St., SW. GR  
 All are invited!  
 Meats provided; bring a dish to pass

**HerrickFest June 6th**

HerrickFest will be held June 6<sup>th</sup> at the Park township Airport, 1269 Ottawa Beach Road.

### Basement Field Trip Report By Jon Mull

On a cold but sunny Saturday afternoon, Feb 22, we were welcomed into the homes of Don and Lois VanDyke and Roger and Arlene King. These couples are long time members of the Indian Mounds club and have a deep history with the hobby. The VanDyke collection is rich with Michigan treasures. Agates, copper, and datolite gleam in the layers of flats and cases. Making excellent use of their limited space, each filled corner and shadow box draws you in to another specimen and a story to go with it. Don and Lois are also gifted artists. A table of gem trees was a welcome sight and we were informed it also held the storage place for a couple hundred pounds of polished agates! The other delightful creation out for us to see were Dons beautifully crafted lamps made from slices of all kinds of agates. Some used pieces to create mosaics of flowers while others simply gathered the finest slices of lakers to provide such colorful light and patterns. A wonderful couple and a rich collection. It was also a pleasure to explore the Kings collection, for my third time! Rogers basement nearly resembles a museum, although with a much homier feel. The shelves are evenly and completely filled with a display many years in the making. Some of the more stunning items are from the early days in the Fluorite district of Illinois, and the weekends in the Gypsum mines, when things were not so fragile as they are now. Once again, the stories abound. Quartz, copper, agates, herkimers, and topaz join the masses of fluorite for a lovely display from all over the country, and beyond. Roger has also found new joy in free form sculpture using a variety of stone. I saw several crafted from jade and septaria, and even pudding stone. My favorites were those formed from magnetite. Each had a dark ball bearing, just smaller than a quarter that would flow around the stone when you would pick up the sculpture. I even coaxed one to come home with me ;) It was a wonderful afternoon to spend with friends and fellow rock hounds. I hope you made it out to enjoy this opportunity once again. I know I thanked them heartily!



**West Michigan MWF Mineral Study -- Calcium Minerals (O-P)****Calcium Minerals (O-P)**

By Kreigh Tomaszewski

Our current study plan is to look at minerals by elemental composition, working our way thru the periodic table. We are up to Calcium, which is the fifth most abundant element in Earth's crust and the third most abundant metal (after iron and aluminum). This has forced us to take our study of calcium minerals in smaller chunks. This month it was the calcium minerals that start with the letters O or P according to the MinDat Search Minerals By Chemistry list.

Our habit is to pass our specimens around the table in alphabetic order, one mineral at a time, and share some facts about the mineral. Sometimes it may be one specimen, or sometimes everyone there may have brought at least one specimen. There is no better way to recognize the common minerals than to hold and study many specimens of them. We started this month with the tectosilicate Oligoclase, a feldspar variety of Albite. This was followed with a pink specimen of the nesosilicate Olmiite with a white coating of the phyllosilicate Oyelite. This was followed by the halide Pachnolite and the borate Painite.

Painite is a rare borate mineral with a hardness of 8. It was first found in Myanmar by British mineralogist and gem dealer Arthur C.D. Pain who misidentified it as ruby. It was discovered as a new gemstone in the 1950s, when it was confirmed as a new mineral species, the mineral was named after him. In 2005, The Guinness Book of World Records called painite the world's rarest gemstone mineral. First discovered in Myanmar by British mineralogist Arthur C. D. Pain in the 1950s, for decades there were only two known crystals of the hexagonal mineral on Earth; by 2005, there were still fewer than 25 known specimens. Much additional information about the first 22 painites was reported in May 2005 at the Goldschmidt 2005 Conference in a session on the gem minerals. The authors concluded that the mineral forms in a skarn deposit. After submission of the abstract, but before it was presented at the meeting, the skarn deposit where painite formed was located in Myanmar in December, 2004. The initial source of painite has been claimed by local residents to be alluvial pebbles obtained near Ohngaing Village in Myanmar. These painites showed only modest water rounding indicating that the primary source was nearby. The actual source of painite near Ohngaing Village had finally been located. Ohngaing Village is slightly more than a mile NNW of Mogok. From Ohngaing Village one can see Mogok in the distant valley. Painite was reported to be found at a small mine just at the edge of Ohngaing known as the Sinhalite Mine. The mine produces mostly spinels of assorted colors, tourmaline and sinhalite. The mine doesn't produce any gem-quality corundum. Painite is said to be found in the upper portion of the mine near the contact of leucogranite and marble in weathered soil. Subsequent exploration of the geological formation has greatly expanded the region where painite is found, and now it is a commercial gemstone.

After that distraction we got back on track with the phosphate Palermoite, named after the Palermo #1 Mine that has 156 minerals, the cyclosilicate Papagoite, the carbonate Parisite, the phyllosilicate Parsettensite, the phosphate Parwanite, and the tectosilicate Paulingite, in the 0Ca, -K, and -Na flavors.

Our next lap started with the oxide Perovskite, followed by the tectosilicates Phillipsite-Ca and Phillipsite-K, the sorosilicate Piemontite, and the nesosilicate Poldervaartite.

Our final lap included the complex silicate Prehnite, which may be the first mineral named for a person, the borate Probertite, the halide Prosopite, and the sorosilicate Pumpellyite. Michigan's state gem, the Chlorastrolite, is a variety of Pumpellyite-(Mg).

The next monthly meeting of the West Michigan MWF Mineral Study Group will be held on April 14, 2020, from 7 pm to 8:30 pm, at the home of Kreigh Tomaszewski, 653 Burton St. S.E., Grand Rapids, MI 49507. Our group is small enough that we expect we will be able to continue meeting unless the Covid-19 pandemic gets significantly worse.

(Continued on Page Five)

(Continued from Page Four)

We will be studying minerals that contain calcium and have names beginning with the letters Q or R. We try to limit our study range so we have about 25 specimens to fit them into our time frame. We often have some time at the end to look at some unknown you might need help on (no promises of a positive ID, but we are slowly getting better at identification).

We try to start (and end) on time; please do not arrive more than 20 minutes early (and everyone gets thrown out by 9). All West Michigan rockhounds are invited to attend. I hope you can join us as we learn about minerals from each other, but you are always welcome even if you can't bring any specimens. Please join us and let part of your collection get to meet some other rockhounds and be appreciated.

**Field Trip Save The Dates**

Spring Break April 8-11 – Arkansas Quartz

Travel on Wednesday.

Collect Thursday through Saturday at Quartz mines around Mt. Ida.

Limit of 12 people. Sign up sheet will be at February Meeting.

Memorial Day Weekend May 22-24 – Keokuk Geodes  
 Travel on Thursday.  
 Collect Friday through Sunday.  
 Hopefully Amish, St. Francisville, Nicks, Jacobs  
 Sharing with the White River Club.  
 Sign up in March. Limit 12. More details to follow.

**Tulip City Gem and Mineral Club  
 Howard Miller Community Center Zeeland  
 January 15, 2020, 7:00 PM; Board Meeting Minutes**

**7:00 PM – Call to Order** – declare quorum

Approval of Agenda: Rudy Silich motion, seconded by Jon Mull; motion passed.

Approval of Minutes of December 4, 2019 Board meeting with corrections noted; Sue Goedert motion, seconded by Betty Hoekstra; motion carried.

Approval of Minutes of the December 18, 2019 General Meeting; motion by Rick Smith, Seconded by Shari Luttkhuizen; all in favor.

**Board reports**

President – Mike Larson – is working on ideas to expand the club and appreciates the board members and their willingness to serve;

Vice President – Shari Luttkhuizen – speaker for the January meeting will be Kreigh Tomaszewski and he will be talking about the Alabastine mine in Wyoming, MI. Shari is looking for tips on working with rocks.

Treasurer's Report – Kurt Brinks – Kurt gave an update on the status of the club's bank accounts. Kurt presented the proposed budget for 2020. Kurt pointed out some changes for 2020 from 2019: show income was reduced to cover expenses, VP-programs was increased to bring in more outside speakers, the newsletter cost is high due to postage, scholarships were increased. Shari noted that the Moran Geology scholarship is going to one of our own junior rock club members. Jon Mull made a motion to accept 2020 Budget as proposed, seconded by Shari Luttkhuizen; all in favor.

Immediate Past President – C.H. Falstad is ready to collect donations for the rock exchange with a club in Grand Junction, Colorado and a club in Oregon.

Editor – Rudy Silich news due by Saturday at 6:00 PM. C.H. send copies of minutes;

Field Trip Coordinator – Jon Mull shared the February basement field trips will be February 22 from 1-4pm at Don Vandyke's in Hudsonville and Roger King's in Byron Center.

Juniors – Rick Smith & Linda Winkelmann will have a theme of igneous rocks, granite for this month. Juniors will lead the general meeting program in May. Discussion followed on ideas for using a donation of rocks designated to benefit juniors. Rick is welcoming suggestions.

Historian – Betty Hoekstra is in need of someone to digitize club archives;

Show Chair – Sue Goedert reviewed the show budget. Sue will be purchasing table covers as approved by the board. The florescent's tent needs work. We will need to pay for printing the flyers this year and Sue will begin contacting the dealers soon.

**New Business:**

Mike Larson needs someone to run the tailgate and shared an opportunity to participate in a parking lot sale in South Haven. Mike would like the schedules for the year from the Juniors, the field trips and the VP programs.

Discussion followed on the need for a Social Media/Webpage person that could be a new Board position.

Shari made a motion that the Board approve renting a room for the rock tumbling class, on February 8, from the Howard Miller Library for \$62.50, seconded by Betty, motion carried.

Rick Smith led a discussion on a possible nomination for the Joe Moran Scholarship.

C. H. Falstad passed a get well card for Chet Smith.

Correspondence: Kurt Brinks passed a Thank you from Seaman's Museum for the club's donation.

Items from visiting members: none

Adjourn meeting: by 8:52 PM

Respectfully submitted, Brenda Olson

**Tulip City Gem and Mineral Club  
 Howard Miller Library, Zeeland, Michigan  
 January 29, 2020, 7:00 PM; minutes General meeting**

**7:00 PM – Call to Order** – Mike Larson, president

Present: about 62 adults and 18 students, total about 80 members

### Board Reports

President-Mike Larson need for a social media coordinator.

Vice President-Shari Luttkhuizen program for the day and upcoming workshops

Treasurer's Report-Kurt Brinks brief report

Immediate Past President-C.H. Falstad called forward new board members serving in 2020 that were not present at the December meeting: Mike Larson, Brenda Olson, Rick Smith and Linda Winkelmann and inducted them. C.H. will be collecting rocks from club member donations in the next two months to participate in a club exchange with two clubs one in Grand Junction, Colorado and the other in Oregon.

Editor-Rudy Silich-Let him know if you are not getting the newsletter. Submit rock related articles to him for the newsletter.

Field Trip Coordinator-Jon Mull shared on Feb 22 basement field trips and looked ahead to a spring break Arkansas trip. Historian-Betty Hoekstra nothing new to report.

Junior Leaders-Rick Smith and Linda Winkleman program on igneous rocks

Liaison-Rhonda Gehringer raffle at the April 29 banquet will be for a crystal rose quartz sphere.

Membership Coordinator-Chris Silich will take membership collection

Show Chair-Sue Goedert not present but Mike Larson shared how Sue was working on flyers. The open show positions are dealer communications chair, publicity/tickets chair and children's games.

Kreigh Tomaszewski, gave a presentation on the history of the Grand Rapids, Michigan Alabastine mine and his many field trips there.

**Tulip City Gem and Mineral Club  
Howard Miller Community Center Zeeland  
February 12, 2020, 7:00 PM; Board Meeting Minutes**

#### 7:00 PM – Call to Order – declare quorum

Approval of Agenda: Mike Larson, president noted he included the show budget on the agenda. Rick Smith made a motion seconded by Rudy Silich to approve the agenda. All in favor.

Approval of Minutes of January 15, 2020 Board meeting with corrections noted; C.H. Falstad motion, seconded by Sue Goedert; motion carried.

Approval of Minutes of the January 29, 2020 General Meeting; motion by Jon Mull, Seconded by Rhonda Gehringer; motion carried.

#### Board reports

Vice President – Shari Luttkhuizen – Jon Mull will be the February speaker. His topic will be, "Our Other Worldly World." The specimen to show and share will be the most alien looking rock you have.

Treasurer's Report – Kurt Brinks – Kurt gave an update on the status of the club's bank accounts.

Immediate Past President – C.H. Falstad has begun to collect donations for the rock exchange with a club in Grand Junction, Colorado and a club in Oregon. C.H. presented the idea of dealers who sell in the show be given an opportunity to receive our newsletter. C.H. made a motion seconded by Sue that dealers who pay a deposit for the show receive our newsletter emailed to them for the remainder of the calendar year. All in favor.

Editor – Rudy Silich news due by Saturday at 6:00 PM.

Field Trip Coordinator – Jon Mull shared the February basement field trips will be February 22 from 1-4pm at Don Vandyke's in Hudsonville and Roger King's in Byron Center. There will be a trip April 8 to April 12 in Arkansas.

Juniors – Rick Smith & Linda Winkelmann will have a theme of sedimentary rocks. The take home will be conglomerates.

Social Coordinator – Linda Plumert reviewed the job description of the social coordinator in regards to the April 29 banquet and proposed that she set up a committee of 5 or 6 to plan the banquet. Linda will take the position of banquet chair.

Liaison -Rhonda Gehringer reported the raffle is starting slow. She shared a \$4,000 MWF scholarship opportunity for a student working on a masters or doctorate. The Midwest Federation Convention for 2020 will be September 18 – 20 and will be held in Howell, MI. Rhonda will put together an ad for the club newsletter to promote club sales

Show Chair – Sue Goedert reported that the dealer applications are out for the show and two have returned already.

Moran Scholarship -Rick Smith shared that Dakota Reimersma submitted the documents to apply for the club scholarship. Rick Smith made the motion seconded by Shari Luttkhuizen to award the Moran Scholarship of \$500 to Dakota Reimersma. All in favor.

Mike Larson noted the Social Media/Webpage position will be posted in the newsletter for another month.

Shari reported the workshops on wire wrapping and rock tumbling were well attended. People who attended seemed to enjoy them. More will be planned for the future. A fossil prep workshop will take place on February 15. Julia Sherwood will hold a workshop on beading cabs. Lapidary for beginners was rescheduled for March 15.

**New Business:**

2020 Show Budget will be tabled until next month.

Rick and Linda submitted a juniors meeting schedule through September.

Discussion followed on the possibility of setting up the Tulip City Gem and Mineral Club as a 501c3, non-profit organization. The discussion was tabled for the next month.

Shari suggested that board members go in front of the people to give reports during the general club meetings. It was also suggested that the raffle move to the front.

Mike Larson requested board members send information regarding their reports to him so he could make a slide for the meeting.

C.H. Falstad made a motion to adjourn. Rudy Silich seconded the motion. All in favor.

Adjourn meeting: by 8:52 PM

Respectfully submitted, Brenda Olson

**Tulip City Gem and Mineral Club  
Howard Miller Library, Zeeland, Michigan  
February 26, 2020, 7:00 PM; minutes General meeting**

**7:00 PM – Call to Order** – Mike Larson, president

Mike Larson gave away the door prize

Present: about 55 adults and 8 students, total about 62 members

**Board Reports**

President-Mike Larson The club is still taking applications for a social media coordinator. Volunteers interested in serving on the banquet committee should see Linda Plumert. The club needs a volunteer tailgate coordinator. Mike shared that the board decided to share the newsletter to vendors from the show.

Vice President-Shari Luttikhuizen gave an update on the workshops. Shari presented the Inside Scoop on conglomerate rocks and pudding stones.

Treasurer's Report-Kurt Brinks brief report

Immediate Past President-C.H. Falstad will be collecting rocks from club member donations until March to participate in a club exchange with two clubs one in Grand Junction, Colorado and the other in Oregon.

Liaison-Rhonda Gehringer raffle at the April 29 banquet will be for a crystal rose quartz sphere. The proceeds from the raffle will go towards scholarships.

Membership Coordinator-Chris Silich will take membership collection. Rudy Silich will stop sending the newsletter this month for sure if membership is not paid for the year.

Show Chair-Sue Goedert not present but Mike Larson shared how Sue had the show flyers. The open show positions are dealer communications chair, publicity/tickets chair and children's games.

Field Trip Coordinator, Jon Mull is planning a March 21<sup>st</sup> Indiana Fossils trip and a Spring Break, April 8-11, trip to Arkansas to collect quartz.

Jon Mull gave a presentation titled "Our Otherworldly World." It featured places on our earth that can appear to be from alien planets.

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*I just wish I could find someone who will look at me the way that everyone is looking at toilet paper now.*

*Posted by: A Moron Commenter on the AoSHQ at March 18, 2020 08:14 AM (Izzlo)*

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## Juniors' Quiz (based on last month's Junior Program)

- 1) Sedimentary rocks are composed of...
  - a) bits and pieces of other rocks.
  - b) minerals and sometimes plant matter.
  - c) sediments (duh!).
  - d) All of the above.
  
- 2) Larger rocks can be broken down into smaller bits and pieces by such forces as...
  - a) erosion.
  - b) repeated freezing and thawing.
  - c) human impacts.
  - d) All of the above.
  
- 3) Sedimentary rocks are an excellent kind of rock to find fossils in because...
  - a) fossils like the warm, cozy feeling that sedimentary rocks provide.
  - b) sedimentary rocks are easier to find than other kinds of rocks.
  - c) prehistoric matter, like bones and shells and plants, can get deposited in with the sediments that eventually become sedimentary rocks.
  - d) All of the above.
  
- 4) Sedimentary rocks often have a striped or layered appearance because...
  - a) that makes them look prettier.
  - b) somebody has stacked a bunch of long, flat rocks on top of each other.
  - c) the sediments that form sedimentary rocks are deposited over time, year after year.
  - d) All of the above.

BONUS QUESTION (You'll need to do a little research in your rock book or on line.): Clastic rocks are one kind of sedimentary rock. What is a clast?

## Junior Rock Club Page "A NICE/GNEISS PROGRAM IN MARCH!!!!"

The name for the metamorphic rock "gneiss" is pronounced the same way as the adjective "nice"...which makes it possible to make silly puns like writing "a gneiss program" for "a nice program." But actually our March junior program will not be just about the rock gneiss. This will be our third Rock Cycle program and will be about metamorphic rocks in general and other specific kinds of metamorphic rocks like marble, quartzite, slate, and schist. This program on metamorphic rocks is a fitting conclusion to our series because each of the other two rock types, igneous and sedimentary, can be transformed (= metamorphosed, = changed) into metamorphic rocks.

Why not join us at 7:00 on Wednesday, March 25, at the Howard Miller Community Center in Zeeland for a transforming experience, our junior program on metamorphic rocks?  
(Sorry, CANCELLED for March - Ed)

And for a little fun and a chance for a mineral prize (or two!), why not try your hand at the quiz questions in this newsletter? Bring your quiz page to our March meeting with all the correct answers and you can choose a prize. And if you answer the Bonus Question too, you can choose a second prize!

Linda Winkelmann and Rick Smith  
Junior Program Co-ordinators

### Gneiss People at the Westover's Lapidary Workshop



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.

Coronaviruses (colored transmission electron microscopy image).  
© cdc/Dr. Fred Murphy & Sylvia Whitfield

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.

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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