



THE TULIP CITY CONGLOMERATE



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

Website: www.Tulipcity.org

March 2015

Volume 48, Edition 3

**General Meeting
7p Mar 25, 2015**

Howard Miller Community Center
Zeeland, MI

**Loves Park, IL
Lincoln, NE
Apr 4-(5), 2015**

**Wyoming, MI
Apr 9-11, 2015**

**Marion, IL, Columbus, OH,
Canton, OH, Canton, IL
Apr 11-12, 2015**

**Board Meeting
7p Apr 15, 2015**

Howard Miller Community Center
Zeeland, MI

**Eau Claire, WI, Decatur, IL,
Waterloo, IA
Apr 18-19, 2015**

**Cuyahoga Falls, OH, Fort
Dodge, IA, Davenport, IA
Apr 25-26, 2015**

This Edition

Banquet Speaker.....	p1
Raffle Items	p1
Club Calendar/Board.....	p2
Missing Features.....	p2
Continued from Page 1.....	p3
Field Trips!.....	p3
Calendar Notes	p3
Show Report	p4
Minutes - Board.Meeting.....	p5
Minutes – General Meeting.....	p5
Auditor's Report	p6
Midwest Federation	p6
A Fossil Story	p6
ALAA Excerpt: Wilderness.....	p7
Junior Page: Green!.....	p9
About Us.....	p10

The Good, the Bad and the POISONOUS!

We know our rocks and minerals are fun to collect, and some of them are awfully pretty, but do you know that some of our favorites could kill you if not treated with the respect they deserve. Our own Bob Sinke, noted geologist and speaker will be presenting “Sticks and Stones May Break Your Bones, but these Minerals Could Kill You!” We’ll have projections and samples of some very distinctive and attractive minerals and learn how to be careful so you won’t regret having them in your collection. Some of these may be poisonous if eaten (or licked) and others may be cause major health problems if inhaled. Discover their beauty and how to treat them.

We’ll also learn about some minerals that are DELICIOUS, equally beautiful and learn how they can be formed! Some examples of these will be available for purchase (auction), so bring your appetite and checkbook.

If you have some poisonous specimens in your collection please bring them to share at our _____ (continued on page THREE).

Raffle Items

We received an anonymous donation of a collection of Petosky stones packaged in an egg carton. 12 nice specimens to add to your collection or cut and polish, average size 1 1/2" - 2".

Donated by Kingsley North via Rance Westover, this long-handled Treasure Scoop will help pick up those rocks at your feet. It is 36" long with rubber grip that normally sells for \$44.95 plus tax and shipping.

A Stinking Water Plume Agate cabochon, from the Stinking Water Mountains in Harney County, Oregon, plume agate cabachon, handmade and donated by our president, Bob Sherwood, is 1 3/16" X 1 7/8" X 4mm and ready to set in your _____ (continued on page THREE)



The Orthoceras plate that will be auctoined off at the April banquet.



The Treasure Scoop!

Club Calendar

Mar 25 (Wed) – General Meeting 7p, HMCC

Apr 4 (Sat) – Loves Park, IL Open House†

Apr 4-5 – Lincoln, NE – Annual Show†

Apr 9-11 (Thu-Sat) – Wyoming, MI Annual Show†

Apr 11-12 – Marion, IL, Columbus, OH, Canton, OH, & Canton, IL Annual Shows†

Apr 15 (Wed) – Board Meeting 7p, HMCC

Apr 18-19 – Eau Claire, WI, Decatur, IL, & Waterloo, IA Annual Shows†

Apr 25-26 – Cuyahoga Falls, OH, Fort Dodge, IA, & Davenport, IA Semi-Annual and Annual Shows†

Apr 29 (Wed) – General Meeting 7p, HMCC

May 1-3 (Fri-Sun)– Kalamazoo, MI Annual Show†

May 13 (Wed) – Board Meeting 7p, HMCC

May 27 (Wed) – General Meeting 7p, HMCC

Jun 10 (Wed) – Board Meeting 7p, HMCC

Jun 13 (Sat)– Wyoming, MI Indian Mounds Tailgate Sale†

Jun 24 (Wed) – General Meeting 7p, HMCC

Jul 15 (Wed) – Board Meeting 7p, HMCC

Jul 29 (Wed) – General Meeting 7p, HMCC

Jul 31-Aug 2 – Ishpeming, MI†

(continued in the next column)

The "HMCC" is the Howard Miller Community Center,
located at 14 South Church Street, Zeeland, MI

Italic listings are non-Club events.

†Please refer to "Calendar Notes" on p3 for additional information.

*Please refer to "Field Trips!" on p3 for additional information.

Officers and Board of Directors

President	Bob Sherwood	bobandjulia@accn.org
Vice President	C. H. Falstad	cfalstad@ameritech.net
Secretary	Rudy Silich	rps3@charter.net
Treasurer	Julia Sherwood	bobandjulia@accn.org
Past Pres.	Dave Nienhuis	dpnienhu@scbglobal.net
Fld Trip Coord.	Steve Miller	sjmillerman@yahoo.com
Historian	Betty Hoekstra	kbhoek@att.net
Jr. Club Coord.	Rick Smith	smithr@hope.edu
Jr. Club Coord.	Linda Winkelmann	lindawinkelmann@att.net
Liaison	Linda Plumert	rplumert@gmail.com
Membership	Christine Silich	CSDS77@icloud.com
Newsletter Ed.	Rudy Silich	tulipcitygemnews@charter.net
Show Coord	Rebecca Cistaro	r4squares@charter.net
Social Coord.	Jackie Helder	iambeadqueen@yahoo.com
Dir. At Large	Krystin Grenon	klgrenon@gmail.com
Dir. at Large	Vondalee Knoll	vondiennoll@toast2.net

For 2015, there are fifteen (15) positions, which have one vote each. There are sixteen (16) persons on the Board (four persons share two positions, and one person holds two positions).

Club Calendar (continued from the column on the left.)

Aug 1 (Sat)– Ishpeming, MI Annual Show†

Aug 7-9 (Fri-Sun) – Houghton, MI Show†

Aug 12 (Wed) – Board Meeting 7p, HMCC

Aug 26 (Wed) – General Meeting 7p, GVSU Meijer Campus

Sep 18-20 (Fri-Sun) – Holland, MI Annual Show, Holland Civic Center

Sep 19-20 – Howell, MI Annual Show†

Sep 26-27 – Traverse City, MI Annual Show†

Oct 9-11 – Freeport, MI Annual Show†

Oct 14 (Wed) – Board Meeting 7p, HMCC

Oct 16-18 – Fort Wayne, IN Annual Show†

Oct 17-18 – Clio, MI Annual Show†

Oct 23-25 – Mason, MI Annual Show†

Oct 28 (Wed) - General Meeting 7p, HMCC

Nov 4 (Wed) – Board Meeting 7p, HMCC

Nov 7 – Taylor, MI Auction†

Nov 9 – Bloomfield Hills, MI Auction†

Nov 18 (Wed) - General Meeting 7p, HMCC

Dec 2 (Wed) – Board Meeting 7p, HMCC

Dec 16 (Wed) - General Meeting 7p, HMCC

Notice Regarding Missing Features

Last month's edition failed to include the program information for February, and the Junior program information. After a brief investigation, it was discovered that the inbox to the newsletter email account was full, and submissions either bounced back to the sender or went into the internet void. While it is human nature (dating back to mankind's time in the Garden! – yeah, I ate it but, but, but, but...SHE gave me the apple!) to want to blame something else (i.e. my internet service), in reality the fault is entirely mine. I apologize for the omissions. I will work towards avoiding this problem going forward.

– Rudy Silich

YOU are the Club.

Write and article or story.

Send it to me.

See it published.

March Program (continued from page one)

“Show-and-Tell”, but have them identified and in a clear plastic sealed bag (for safety purposes). We'll have space on the front tables for all the samples.

We will also be setting up a “What Is It?” table where you can bring in something you've found and try and stump the experts. There's bound to be someone who will know what you've got in your collection.

Reminder about our April Banquet on the 29th. - Dr. Steven Chamberlain will be presenting our dinner talk on Minerals of New York. Steve is world renown for leading the Rochester Mineral Symposium and has completed his first book, *The Collector's Guide to Minerals of New York State*. Dr. Chamberlain will be glad to sign books if you bring them to the banquet. Checking on amazon.com, there were only 10 copies remaining. Get yours before the rush so you'll have it for his talk and he can sign it for you.

-- C. H. Falstad

Raffle (continued from page one)

next bezel or add to your collection.



Petoskey stones. Grade AA.



Stinking Water Plume Agate cabochon.

For the TCGMC Monthly Raffle, tickets cost \$1.00 or 6/\$5.00. All funds raised from this raffle will be assigned to the **Gibson Fund** which grants money to GVSU Geology students for studies out of state.

The TCGMC is raffling a large **Orthoceras and Ammonite Plate** for the April Banquet. The matrix of this stone is artfully carved making this unique large specimen appropriate to hang on a wall or to display in your collection. Tickets cost \$5.00 and will be sold each month at the monthly meeting up until the drawing at the Banquet. Funds raised from this raffle will be allocated to the **TCGMC General Speakers Fund**.

– Krystin Grenon

Field Trips!

- July 31st-August 2nd Ishpeming (digs on Friday and Sunday, show on Saturday) July 31, field trip to Republic Mine. August 1 & 2, Lindberg Quarry. More information can be found at ishpemingrocks.org.

Calendar Notes

- Apr 4 – Loves Park, IL Rock River Valley Gem & Mineral Society Open House 10 am - 3 pm, North Suburban Library, 6340 N2d St., Loves Park Contact: Susan Stanforth, (815) 229-4009; sstanforth123@yahoo.com
- Apr 4-5 – Lincoln, NE Lincon Gem & Mineral Club, Inc. Annual Show Sat 9 am - 6 pm, Sun 10 am - 5 pm. Lancaster Event Center, 4100 North 84th St., Lincoln Contact: Ed Dvorak, (402) 946-3041; ed20469@windstream.net; www.lincolngemmineralclub.org
- Apr 9-11 – Wyoming, MI Indian Mounts Rock and Mineral Club Annual Show, Thurs & Fri. 9:30 a.m - 9 p.m.; Sat 9:30 a.m. - 8 pm. Roger's Plaza, Clyde Park & 28th St. Contact: Kreigh Tomaszewski, (616) 243-5851; kreigh@gmail.com

- Apr 11-12 – Marion, IL Southern Illinois Earth Science Club, Inc. Gem & Mineral Show, Sat 10 am - 6 pm, Sun 10 am - 5 pm. Admission Adults \$2, Children under 18 free. The Pavilion of the City of Marion, 1602 Sioux Dr., Marion. Contact: Mike Chortofalsky, (618) 532-0455; chontopalsky@att.net; siesclub.org
- Columbus, OH Columbus Rock & Mineral Society Annual Show. Sat 10 am - 6 pm, Sun 11 am - 5 pm, Northland Performing Arts Center, 4411 Tamarack Blvd, Columbus. Contact: Craig Kramer, (614) 436-4411; craig.kramer@wowway.com; [columbusrockandmineralsociety.org](http://www.columbusrockandmineralsociety.org); <http://www.columbusrockandmineralsociety.org/index.php/rock-show/2015-rock-show/2015-rock-show-information>
- Canton, OH, Stark County Gem & Mineral Club Annual Show. Sat 9 am - 5 pm; Sun 10 am - 5 pm Stark County Fairgrounds, 305 Wertz Ave, Canton Contact: Barry Hicks, (330) 868-4047; kc8goe@frontier.com
- Canton, IL Fulton County Rockhounds Annual Show, Donaldson Community Center, Wallace Park, 250 S. Ave D., Contact: George Coursey, (309) 368-2947; courseyfarms@gmail.com
- Apr 18-19 – Eau Claire, WI, Chippewa Valley Gem & Mineral Society 52nd Annual Show. Sat 9 am - 5 pm, Sun 10 am - 4 pm, Eau Claire Expo Center, Lorch Ave, Eau Claire. Contact: Paul Tubbs, (715) 834-5747, bizpam1@charter.net
- Decatur, IL, 64th Annual Mineral, Gem & Jewelry Show Sponsored by the Central Illinois Gem & Mineral Club Saturday and Sunday, April 18-19, 2015 *New Location! Progress City (Lester Building) at Richland Community College Campus, Decatur, Illinois. 9 am to 6 pm on Saturday, 10am to 4pm on Sunday. Contact Tony Kapta, 309 830-6516, cigmc@comcast.net.
- Waterloo, IA Blackhawk Gem & Mineral Society Annual Show. 12 - 5 pm, Waterloo Center for the Arts. Contact: David Malm, (319) 266-6433; davidmalm@cfo.net
- Apr 25-26 – Cuyahoga Falls, OH, Akron Mineral Society Sem. Annual Show. Sat 10 am - 6 pm, Sun 10 am - 5 pm. Emidi of Sans Expo Center, 48 East Bath Rd., Cuyahoga Falls. Contact: Joyce Kish, (330) 753-7081; gemboree@outlook.com
- Fort Dodge, IA, River Valley Rockhounds Annual Show, Sat 9 am - 5 pm, Sun 11 am - 4 pm. Iowa Central Community College East Campus, 2031 Quail Ave, Fort Dodge. Contact: Jim Baumer, (515) 955-6783; jbaum@frontiernet.net
- Davenport, IA Black Hawk Gem & Mineral Club Semi Annual Show. Sat 9-5; Sun 10-4. Clarion Hotel, 5202 Brady St., Davenport Contact Kellie & Graig Moore, (563) 445-3034; kalsinean@gmail.com
- May 1-3 (Fri-Sun)– Kalamazoo, MI Kalamazoo Geological and Mineral Society Annual Show, Fri 4-8 pm; Sat 10 am - 6 pm; Sun 10 am - 5 pm Kalamazoo County Expo Center, 2900 Lake St., Kalamazoo. Contact: Jerry VanNocker, (269) 979-3348; jerry@travelinginspain.com; kalamazoorockclub.org

For information on these later events, please go to the Midwest Federation Calendar page for detailed information The link is <http://www.amfed.org/mwf/Calendar/calendar.html>

- | | |
|----------------------------------------------------|------------------------------------------|
| • Jun 13 – Wyoming, MI Indian Mounds Tailgate Sale | • Oct 9-11 – Freeport, MI Annual Show |
| • Jul 31-Aug 2 – Ishpeming, MI | • Oct 16-18 – Fort Wayne, IN Annual Show |
| • Aug 1 – Ishpeming, MI Annual Show | • Oct 17-18 – Clio, MI Annual Show |
| • Aug 7-9 – Houghton, MI Show | • Oct 23-25 – Mason, MI Annual Show |
| • Sep 19-20 – Howell, MI Annual Show | • Nov 7 – Taylor, MI Auction |
| • Sep 26-27 – Traverse City, MI Annual Show | • Nov 9 – Bloomfield Hills, MI Auction |

March 2015 Show Report

Spring is coming, the weather is warming, and we're getting heated up about the Show as well! We're lining up displays from the museums and planning new ways to educate our Show visitors about fossils, especially about Mastodons! We still have 2 Show Committee position openings: Tickets and Schools. The Club is filling 300 cloth bags this year and we need sample rocks! If anyone has any, small, clean, identified rocks that they could donate, we would really appreciate it! See Rebecca or Julia at the March meeting. Finally, we really want to encourage Club members to make displays. Every year so many cases are sad and lonely because they don't get filled anymore. Won't you consider making a display? We will be having our next meeting in May. Please think about how you can volunteer your time to help this be a successful Show! Thanks!

Rebecca Cistaro, 2015 Show Chair

**Tulip City Gem and Mineral Club
Board Meeting Minutes
February 11, 2015**

Location: Howard Miller Community Center – East Activity Room

Attendees: Rebecca Cistaro, C. H. Falstad, Krystin Grenon, Jackie Helder, Elizabeth Hoekstra, Steve Miller, Bob Sherwood, Julia Sherwood, Christine Silich, Rudy Silich, Linda Winkelmann
Absent: Vondalee Knoll, Dave Nienhuis, Linda Plumert, Rick Smith
Guests: Ken Hoekstra, Chet Smith

Bob called the meeting to order at 7:11pm.

Minutes

The minutes from the January 14, 2015 Board Meeting, and the January 27, 2015 General Meeting were reviewed.

MOTION. C.H. made a Motion, seconded by Rebecca, to accept the January 14, 2015 Board Meeting minutes as amended. PASSED.

MOTION. C.H. made a Motion, seconded by Krystin, to accept the January 27, 2014 General Meeting minutes as amended. PASSED.

Officer Reports

Treasurer – Julia presented the January financial report, which will be filed for audit. She read a statement from the auditor, which indicated that the auditor was satisfied with the accuracy of the books, and documentation was sufficient.

MOTION. C.H. Made a Motion, seconded by Elizabeth, to accept the Treasurer's report for January, 2015. PASSED.

Newsletter Editor – Rudy indicated that the article deadline was Friday afternoon.

Membership Coordinator – Christine reported that there were two new renewals, bringing the total to 20 renewals total.

Vice President – C.H. said that there was no April speaker lined up yet. There was a discussion of possible candidates.

Field Trip Coordinator – Steve announced a trip to GVSU, March 14 10am-12:30pm. Also Ishpeming, in the summer during their show (1st week in August), Lafarge, Alpena is still TBD, and Geode Fest, Keokuk, IA, in September.

Show Chair – Rebecca reviewed the Show Meeting. The mastodon bones are at U of M, the Show hours will remain the same, and the number of dealers will decrease slightly. Three positions are still open: Tickets, School, and Flyers. The theme is Mastodon: Michigan State Fossil. There was a discussion about "Stone Bucks".

President's Remarks – Bob indicated a correction to be made in the newsletter. Bob said we were invited to display at the Kalamazoo Club's show on May 1-3. The setup is Thursday at 4p, and you must be out by Sunday at 5pm. Their theme is "World of Agates".

Unfinished Business

Club Equipment - Steve moved three two-wheel polishers, two caboon machines (flat lap), a vibratory tumbler, and a 10" trim saw to the Miller residence. Steve will check the operation of the equipment.

Insurance, Cargo Trailer – There was a discussion about insurance.

Club Sales, Leftover Material – There was short discussion.

New Business

A number of Board position descriptions were reviewed. The remaining positions will be reviewed at the next Board Meeting.

The meeting adjourned at 9:15pm

Respectfully submitted,

Rudy P. Silich

Tulip City Gem and Mineral Club

**General Meeting Minutes
February 25, 2015**

Attendees: Adults: 38 Juniors: 7

Location: Howard Miller Community Center
The meeting was called to order by Bob at 7:02pm.

Members 1st Meeting: Carolyn Peterson, Walkerville teacher, with husband Eric

Guests: Drew Lavercombe

- Bob announced that John Jillson contributed a sequoia to the City of South Haven in Johnson Park.
- Bob summarized the January Board Meeting.

Treasurer's Report - Julia presented the Treasurer's report for January.

Vice President's Report – C.H. promoted the April banquet raffle. Tickets are available.

Membership Report – Christine received approximately 10 renewals. She is soliciting ideas for new membership badges.

Field Trip Report – A trip to GVSU is scheduled for March 14 from 10a – 12:30p.

Show Report – Mark Cistaro announced that a few positions are still unfilled.

President's Remarks - Bob announced the dates of several upcoming shows, including Indian Mounds on April 9-11 at Roger's Plaza in Grand Rapids, and the Kalamazoo Club's "World of Agates" show on May 1-3. He also asked that members be on the lookout for alternate locations to hold our Show.

- Janet made everyone aware of a program on PBS called "Mineral Explorer", which airs on Tuesday evenings at 6pm.
- John Donker announced a sale on March 7-8 by the Roamin' Club. The Taylor Club will have a sale at the end of March. Also, the Michigan Gem and Geological Society event will not be held this year. A new club called "Stateline" was established in Michigan but will have their show in Ohio.
- Mike Larson announced that there will be a special auction March 7 at Schoolcraft College. He posted the notice on the Club's Facebook page, along with information about the Jackson Co. show on March 20.

Break at 7:29pm, resume at 7:55pm.

Eric Peterson won the door prize.

Anne Westover Christine Silich, and Jerry Godert won the raffles.

The program was a video about thundereggs.

The meeting adjourned at 9:00pm.

Respectfully submitted,

Rudy P. Silich

Auditor's Report

To The Board:

I have just reviewed the Quicken based financial database for your club presented by Treasurer Julia Sherwood. During the review I verified all checks were accounted for, and all transactions entered have been reconciled to the bank as of 12/31/2014. There were a few transactions that required action to eliminate duplicate records, but I am comfortable with the level of knowledge your Treasurer maintains and am satisfied with the accuracy of your financial books.

During spot checks of some individual income and expense accounts, supporting documentation was found to be sufficient.

Sincerely,
Jane A. Wright.

Midwest Federation

When I first heard the words "Midwest Federation", I thought "That sounds strange. Why would an organization be called a 'Federation'?" I still don't know how the name originated. But I know the group is composed of some nice people. Some, if not all, are working hard to promote and protect the interests of many rockhounds – that's us!

Sitting at the head table in a motel conference room in Des Moines, Iowa, were common folk like us. Their names were Tony, Cindy, Donna, Sandy, and Dave. They are some of the officers of the MWF. If we see them at the next Convention May 23 in Wheaton, IL, we should say a big "Thank You!".
– Linda Plumert

As Liaison, Linda was our representative to the Midwest Federation Convention in Des Moines in 2014.

A Fossil Story

by Chet Smith

Several miles north of Terre Haute, Indiana, we stopped near a strip coal mine dump. We were after the Mazon Creek nodules. We hoped some of these nodules would have fossils in them. As we walked down the trail to the mine, I kicked a small stone that lay in the path. Thinking it might be a fossil, I picked it up, put it in my pocket and forgot about it.

Back home and several weeks later, we went to a Club show in northwest Indiana. (I took the odd shaped rock that we had picked up near the old mine dump.) When I showed the rock to one of the workers at the show, he really got excited, and called to the other workers to see what I had. "This is a fossil fern seed pod, a trigonocarpus!!"

It was obvious that most of their members had heard of a trigonocarpus, but most had never actually seen one.

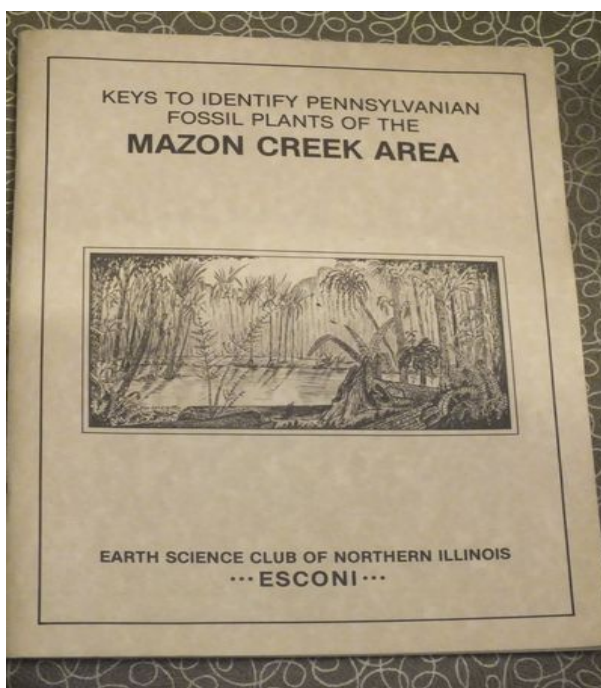
Recently I spent an hour at Herrick Library looking for an authentic description of the fossil, without any success.

Later on I mentioned this incident to our Club Historian, Elizabeth Hoekstra. A few days later I received a letter from her describing the trigonocarpus fossil* that I had found many years ago.

* from Keys To Identify Pennsylvania Fossil Plant Of The Mazon Creek Area: "The seed pod came from a fernlike plant 10-17 ft tall."



Chet's trigonocarpus.



New Wilderness Areas in Montana and the Reason Why

A News Report from: Citizens for Balanced Use
(summarized)

CBU has always been opposed to new wilderness and "land of no use," and we will continue to fight for multiple-use recreation, active forest management, and responsible resource development on our current federally managed public lands. Maybe it is time to start an orderly transfer of these public lands back to the states—for us to effectively manage them in a way that benefits our state and our communities.

The Defense Spending Bill was a must-pass piece of legislation and legislators attached their pork in order to pass some things they wanted. Senator McCain was the first. His bill opened a large copper mine in his state, producing 6,000 new jobs. Then the

environmental groups got enraged about that and wanted something in return. So Senator Tester added his Forest Jobs and Recreation Act, setting aside another 650,000 acres of new wilderness in Montana.

CBU worked hard to have this added piece of legislation removed and in the end Congressman Daines succeeded. But in return for removing the FJRA, the Rocky Mountain Front Heritage Act was inserted. It adds approximately 67,000 acres to two wilderness areas and designates roughly 208,000 acres of adjacent federal land as Conservation Management Areas. The bill protects existing agricultural uses, prohibits management of a buffer zone to the Conservation Management Area, and protects valid and existing mineral rights, among other things.

Are we happy? No. But it could have been worse.

CBU is very disappointed in how Congress jammed these bills into a must-pass Defense Spending Bill. We are saddened for the people close to the Rocky Mountain Front because of the further restrictions and closures they received. We are angry that these political stunts are pulled and we are frustrated by all the thousands of miles driven and the hundreds of hours spent by our members and supporters in fighting this bad legislation. The Rocky Mountain Front wilderness bill was opposed by local government, recreation, agriculture and resource groups. In the end we lost. If we had more control over these lands, rather than the D.C. bureaucrats, these actions would not occur.

—Adapted from *ALAA Newsletter* (Oct.-Dec., 2014).

ALAA is the lobbying arm of the American Federation, working on behalf of rockhounds to keep public lands open and accessible to all, including the elderly and handicapped.



Wearing O' the Killer Green

JUNIOR ROCK CLUB PAGE

The Wearin' O' the Green and Some Michigan Minerals

Linda Winklemann and Rick Smith

Junior Club Advisors

For many people, March is the month for "the wearin' o' the green" because March 17 is St. Patrick's Day. So it seemed only appropriate that we devote our March Junior Program to some Michigan minerals that also do a little wearin' of the green. In the past, we've had a look at a couple of green Michigan materials—at Verde Antique, serpentine, and antigorite in last January's meeting; and at Keewatin greenstone back in our November, 2013 meeting. But this time we'll look at four completely new Michigan minerals: chlorite, epidote, prehnite, and pumpellyite. All four of these minerals not only share a color, but they also share some chemistry: they're all silicates. And not only are they all silicates, but they also can share a similar geological history going back to the times when there were volcanoes in what is now Michigan! Come join us on March 25 to learn about these four green minerals and their hot past, and receive your own take-home specimen of prehnite (or of a prehnite variant called patricianite) generously donated by club member Eric Peterson.



Prehnite



Pumpellyite

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.

Happy St. Patrick's Day!

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
Rudy Sillich, Editor
416 West Mae Rose Ave
Holland, MI 49424