



# THE MINERAL VEIN

Official Newsletter of

## THE MINERAL SOCIETY OF MANITOBA FEBRUARY 2023

### MESSAGE FROM OUR VICE PRESIDENT

Thank You, to our members and friends of the MSM, for your understanding and continued support. Please know that we are working hard to adjust during these uncertain times of change.

### VOLUNTEER OPPORTUNITY

The MSM has been invited to the Red River Exhibition as a Displayer in the HOBBY SHOWCASE.

We are looking for volunteers to help man our display. Window of opportunity June 16-25.

We get to choose a 3 day window;

June 16, 17, 18 (Fri, Sat., Sun.) Hours 3 pm-9pm

June 19, 20, 21 (Mon. Tues. Wed.) 3pm-9pm

June 22, 23, 24, 25 (Thursday, Fri., Sat., Sunday)

Volunteer response will determine if we move forward with this Opportunity.

### NEW MONTHLY MEETING LOCATION

#### FOR 2023 SEASON

Our new location is at the AN&AF Legion on 300-1395 Ellice Avenue. Our next meeting is Wednesday February 8th, will be a live physical and virtual meeting. We will be there for 6pm. [We will go live at 6.45pm pm.](#) [Our raffle will start at 7.20 pm.](#) [Prof. Ed Cloutis will start his presentation at 7.30 PM.](#)

**PLEASE REMOVE HEAD WEAR WHEN ENTERING THE LEGION**

### FEBRUARY MONTHLY MEETING 2023

Dr. Ed Cloutis, from the University of Winnipeg will update us on one his many near Earth planetary projects.

Visit us virtually or physically on February 8th, 2023, at the ANAF legion.



Dr. Ed Cloutis has kindly agreed to update us on his work with Nasa's the Mars Perseverance Rover. He is currently working with the Rover data in his search for Life on Mars past and present, in the "Jesara crater" on Mars. I am excited to hear more about Ed's work, which now also includes retrieving mineral specimens from a near Earth Meteorite and including, landing on the Moon, with a moon rover.

### MEMBERSHIP RENEWALS REQUESTED

Please be advised that MSM memberships are good only for one year, from October to September of the next year. Membership is required to be paid to participate in certain field trips due to insurance requirements. If not paid by March 31st, 2023 your participation will be in jeopardy for those trips.

## THE MINERAL SOCIETY OF MANITOBA

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### The 2022-2023 Executive:

#### President

Carrie Carino, *ph.* 204-293-1715

#### Vice President

Jack Bauer

#### Secretary:

Evelyn Bauer

#### Membership / Treasurer:

Michael Dickman

#### Field Trip chairman:

Jack Bauer, *ph.* 204-632-6934

#### Newsletter Editor:

Carrie Carino

#### Website:

Ron Zeilstra

#### Members at Large:

Dagan Moss

*Michael Way*

*The Mineral Vein* is published monthly from September to June.

**Meetings** are held on the second Wednesday of each month from September to May inclusive at the ANAF legion at 300-1395 Ellice Avenue. They begin at 6:30 PM and feature announcements, an invited speaker and a raffle. Members are encouraged to bring along any interesting specimens, appropriate to the speaker's topic.

**Field Trips** take place from May to September to interesting sites in Manitoba or neighbouring provinces and states.

**Membership:** A single membership is \$15 while a family membership is \$20. Memberships run from October to September.

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## UPCOMING EVENTS

**FEBRUARY 8, 2023;** Dr. Ed Cloutis, Mars Rover updates, Searching for life on Mars, Past and Present

**MARCH 08, 2023 ;** Ron Zielstra, collecting World famous pyrite crystals from Spain

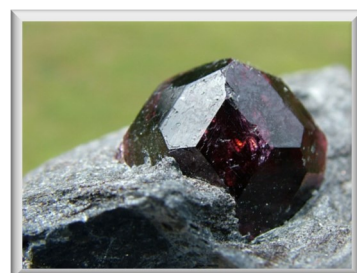
**APRIL 22, 2023;** MSM auction and dinner at John Osborn ANAF (Current monthly meeting location)

To be confirmed.

**May 10, 2023;** speaker TBD

**June;** BBQ date TBD

**MEMBERSHIP;** Our in person meetings are now at the John Osborn ANAF Legion at 300-1395 Ellice Avenue. Door entrance is on Empress. **New Membership dead line for the 2022-2023 season, is March 31.**



Founded in 1971, the Mineral Society of Manitoba is dedicated to promoting the study of crystal minerals, rocks and fossils for their scientific and recreational value.

The Mineral Society of Manitoba hosts monthly meetings covering a variety of mineral related topics. In addition, the Mineral Society organizes summer field trips to collecting localities, hosts educational exhibits about minerals, fossils and local trade events.

## VIRTUAL MEETING ETIQUETTE

When joining; check if your microphone is on/off.

When a presenter begins speaking; turn off your MIC

When your MIC is on: refrain from eating or creating back round noise.

When a presenter is speaking; please keep questions on topic or preferably after the presentation.

Keep off topic questions to the end of meeting

### INSTRUCTIONS FOR USING TEAMS FROM YOUR WEB BROWSER:

**Step 1:** The Teams meeting invite should look like this:

[Mineral Society February Meeting Link](#)

The link will be sent with the newsletter, to join the meeting you just click on the link will be blue in color. This link will take you directly to the "lobby" of the meeting and the host will let you in. You can add this event to your calendar, if your e-mail is set-up with the calendar function.

During the meeting there will be a chat function, through out the presentation you are more than welcome to pose questions or make comments. The presentation will begin at 6:30pm, the meeting room will be open at 6:15pm for those who would like to see and chat with other members prior to the presentation.

***If you want to watch the presentation on a tablet/ cell phone or desk top computer, you may need to install the Teams App or free software prior to the meeting.***

## NEW ROCK DOCTOR

Corey Leblans has volunteered to be our new ROCK DOCTOR. Members can contact Corey with information and **a good quality close up of your specimen**. Any pertinent information that you can provide, like hardness or if it is magnetic, would be useful. Contact Corey; geologycl@gmail.com

## FIELD TRIP UPDATES

### OUR FIELD TRIP ITINERARY FOR 2023

1. Gillis Quarry; Ordovician fossils
2. Souris MB; Agates and petrified wood
3. The Red River Floodway Selenite dig is also on the list for Spring, only to members in good standing.
4. Cat lake; will be revisited. We will look for garnets. Open only to members in good standing.
5. Tanco, under ground tour and pegmatite minerals. We will plan to bring up a couple of buckets of material. Open only to members in good standing.
6. Dumbartin mine/Maskwa pit, top 12" will be stripped exposing fresh collecting opportunities on the rubble pile

### ALL FIELD TRIPS DATES FOR 2023 ARE TBD

#### BELOW; FIELDTRIPS FOR FUTURE CONSIDERATION

1. Meteorite hunt; S/E MB
2. Steep Rock, MB; Calcite crystals
3. Thunder Bay, Blue Points mine; Amethyst
4. Thompson, Inco/Vale; collect garnets on the waste dump & underground tour
5. Snow Lake MB; Garnets and Staurolite crystals

## STONE QUARRIED ONLY IN MANITOBA RECEIVES INTERNATIONAL HERITAGE RECOGNITION

A stone that is in many buildings throughout the province and is found only in Manitoba, is now getting international attention.

Tyndall Stone is mined in Garson, Man. and has been fitting builders' visions for nearly 200 years. The limestone dates back more than 400 million years and is filled with fossil fragments. It was first used to build the walls and warehouses of Lower Fort Garry in 1832 and it now can be found as part of the Manitoba Legislative Building, the Manitoba Museum, Winnipeg Law Courts Building and in the Centre Block of Parliament in Ottawa.



Number TEN Architectural Group decided to go with the Manitoba stone when designing the Richardson Innovation Centre.

"We had a particular vision in mind of the combination of glass and very clean smooth material with some textured features. And so it fit very well with the overall vision," said Doug Hanna, an architect at the company.

Donna Gillis, the operations manager at Gillis Quarries – the quarry in Garson, said most of the time the stone is used for exterior cladding.

"But we do it on other interior things based on what the person wants. It could be interior rooms, it could be for table tops, you know giving it a different look, a different modern use of the same material," said Gillis. Now the stone is being recognized on the world stage by the Sub commission on Heritage Stones.

**GILLIS QUARRY IS A LONG TIME FAVORITE PLACE** for the Mineral Society members to collect pristine quality Ordovician fossils.

Any fossils found in the limestone blocks are cut out and discarded, as their presence deems the piece as, structurally inferior. As their rubble pile grows, it will eventually be hauled away, crushed and sold for road fill etc.

The quarry is only open on weekdays and you must first register in the quarry office. When you have signed the waiver and registered your plate number, you will receive a "rubble pile pass" to collect on their rubble pile. They charge a flat fee of \$25.00 for a car and \$45.00 for a half ton truck. (Subject to change without notice) It does not matter if you have 2 pieces or if you are loaded down to the axles. That is why we only take 1 or two vehicles into the rubble pile. We keep our found specimens separate in the vehicle and then share the expense when leaving the quarry.



A piece of cut Tyndall stone from Gillis quarry showing the well fossilized internal structure of a Cephalopod. The cavities are also lined with small clear quartz crystals. On the right side of picture shows intricate internal horned coral preserved in the fine grained dark mottled matrix of Dolomite.

Courtesy, Jack Bauer collection