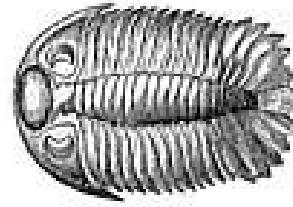


The Trilobite



Wisconsin Geological Society

Feb. 2021

NEXT WGS MEMBERSHIP MEETING Monday, February 8, 2021

Pierre will be hosting our zoom meeting on February 8, 2021 at 7:00PM. The club authorized him to purchase the license. Hopefully our technical issues are behind us. A week before the meeting he will send out the invitation with the link and password.

As usual, people are allowed to enter 15 minutes prior to the start time.

If you are not yet setup to use Zoom, you can download the app at zoom.com You will need a camera on your computer as well as speakers. It is easy to setup and test ahead of time. Just make sure you have audio and visual set on after you enter the meeting.

Members **DO NOT NEED A CAMERA** on their computer in order to join the ZOOM WGS Meetings. Folks without a camera can join a meeting, they can see and hear everyone else, they can also be heard, everyone with a camera just can't see them. All that appears in their attendance square is their name.

There is a lot on information on the web on how to setup and use zoom. Just google zoom.

If you get the Trilobite by mail and would like to be included in the zoom meeting, send me an e-mail and I will put you on the zoom invitation list. If you get the Trilobite by e-mail you are already on the list..



More stone art that was posted on Facebook.

WGS Minutes, January 11, 2021, Online Zoom Meeting

The business meeting was called to order at 7:14PM by our President, Pierre Couture.

Attendees: Barbara Brown, Christopher Nohl, Pierre Couture, Mike Macali, Kitty Klein, Steve Klein, Jim Budnik, Judy Budnik, Sue Eyre, Paul Schmidt, Richard Hopefl, Maureen Conley, Steve Mayer, Sue Robinson (guest/new member), John Hammetter, Darin Dubinsky, Marilyn Smits, Dave Okruhlica, and Chuck Riel.

The minutes of the December meeting were printed in *The Trilobite*. Sue Eyre made a motion to accept the minutes as published with an addendum that the Treasurer's Report was sent via e-mail. (Some members did not receive the report.) Another seconded. The minutes were approved.

New Memberships: Sue Robinson applied for membership. A member made a motion to accept. Another member seconded. The membership was approved.

Guests: Sue Robinson.

Treasury Report: Christopher Nohl read the Treasurer's Report for both December and January. A member made a motion to accept the Report for audit. Another member seconded. The motion was approved.

Committee Reports:

Show: Paul Schmidt contacted the dealers, but we will have to wait and see how the Covid crisis develops as to how, when, and if we hold a show. Possible parking lot show discussed. Several members volunteered to look into this.

Newsletter:	No new information
Lapidary:	No new information
Mineral & Fossil Study Groups:	No new information
Field Trips:	No new information
Junior Rockhounds:	No new information
Sunshine:	No new information

Unfinished Business: None

New Business: Facebook group status mentioned. Right now the Facebook page has 11 members. We also currently don't have a website.

Announcements: No announcements.

Door Prizes: No door prizes.

Adjournment: Judy Budnik made a motion to adjourn. Another member seconded. The motion was approved. The meeting adjourned at 7:48PM.

Barbara Brown, WGS Secretary

CALENDAR OF EVENTS

The Midwest Federation website has an extensive calendar of shows and activities throughout the Midwest. <http://www.amfed.org/mwf/Calendar/calendar.html>

An extensive list on mineral shows is also at: <http://www.the-vug.com/vug/vugshows.html>

The Badger Lapidary & Geological Society's web page still lists their show dates as **March 27 & 28, 2021** with more information coming soon. Best to keep checking their website.

As of right now, the 2021 MWF Convention is to be held in Toledo, Ohio in September.

March 13,14 2021: Kettle Moraine Geological Society Annual Show

Washington County Fair Park & Convention Center at 3000 Hwy PV

West Bend, Wisconsin

Saturday 10:00 AM – 5:00 PM; Sunday 10:00 AM – 4:00 PM

Adults: \$3.00; Children Under 12: Free

[Kettle Moraine Geological Society \(kmgrocks.com\)](http://kmgrocks.com)

According to their website, Their Show is still scheduled. Better check before you go however.

Link to our face book group page: <https://www.facebook.com/groups/826534338175873/?ref=share>

Rosaline Brojanac, of Brookfield, Wisconsin, a long time member of WGS passed away December 24, 2020. Rose was 96 years old and hadn't been active in the Society for a number of years but she is remembered fondly by the older members for her interest in raising scholarship funds for geoscience students. Rose had many other interests besides WGS and was well known for keeping active in all of them. .

Due to the Covid-19 Pandemic private family services will be held.

Margaret Pearson, Sunshine Chair

**WGS Members, Please Note:**

Your Membership Dues are renewed in November.

\$15.00 Single Membership, \$20.00 Family Membership

Please remember to send your check to Club Treasurer
Christopher Nohl, 3240 N. Summit Ave, Milwaukee 53211

Bench Tips by Brad

ADJUSTABLE CHUCK FOR DREMELS



Many of us have a Dremel motor tool to use at home or when out to a class or workshop. The one thing that makes this tool much more productive is the addition of one inexpensive option, an adjustable chuck.

The basic motor tool as sold typically comes with a collet chuck. This means you have to use a wrench to change every tool bit, you have to switch collets to use different shaft sizes (3/32 or 1/8 inch bits), and you can't use ordinary drills at all - only the special ones that have a 3/32 shaft.

A simple and inexpensive (\$12) adjustable chuck solves all of this. It's available in most large local hardware stores or modelmaking outlets. Tightening the chuck is done easily by hand to any size shaft. No key is required.

See all Brad's jewelry books at [Amazon.com/author/Bradfordsmith](https://www.amazon.com/author/Bradfordsmith)
www.BradSmithJewelry.com



Zircons from the Jack Hills in Western Australia

The Jack Hills are a range of hills in Mid-West Western Australia. They are best known as the source of the oldest material of terrestrial origin found to date: Hadean zircons that formed around 4.39 billion years ago. These zircons represent the oldest known mineral on Earth at only 150 million years after the formation of the planet. The presence of zircon crystals within these rocks appears to contradict the notion that the first 500 million years of Earth's history- the Hadean Eon - was a continuously violent and chaotic time, where volcanism and meteorite impact meant a global magma ocean on the planet surface. The zircons and various aspects of their geochemistry provide evidence for the existence of continental-type crust on the surface of the earth during the Hadean eon, contrasting with earlier ideas on the earliest phase of Earth's history. Their oxygen isotope ratios and the presence of micro inclusions of SiO_2 indicate that they formed in molten granite in the presence of liquid water. This indicates that they are the oldest known instance of continental crust and liquid oceans. This further suggests that the Earth was cooler and wetter than we used to think, and that life could have evolved far earlier than we know at present.

The crystals were discovered in the early 1980s, but their significance was not immediately apparent. They had been weathered out of rocks and found in river sediment. The rock host is over 3 billion years old. Later the zircons were dated at 4.1 billion years.

Zircons hold minute amounts of two naturally occurring uranium isotopes (isotopes are atoms of the same element with different numbers of neutrons). Uranium radioactively decays to lead at a steady rate. Counting the number of lead isotopes is how scientists dated the crystals

Zircons from Jack Hills are on display at the Natural History Museum in Vienna, as part of a permanent exhibit "Evolution of Minerals."

Hematite iron ore is mined from the banded iron ore formations found in the Jack Hills.

Info from wikipedia.org , minedat.org, austrutime.com, livescience.com



Martite

Martite is a pseudomorph of magnetite resulting from the conversion of magnetite, Fe_3O_4 into hematite, Fe_2O_3 . The crystals and crystalline grains of magnetite upon conversion into martite are usually replaced, without alteration of their original form, by finely aggregated hematite and exhibit the physical properties characteristic of the latter.

Martite forms during the oxidation of magnetite in the weathering zone of the earth's crust, as well as deep within the earth under conditions characterized by increased oxidation potential of hydrothermal solutions surrounding the previously formed magnetite.

Martite ores are high-grade iron ores.

Info from thefreedictionary.com

Bing.com/images



Interesting House

Never have to
paint

Casa du Funil
Mértola Portugal

Picture by
Trenzified.net



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The Wisconsin Geological Society Inc.**

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The Purpose of the Wisconsin Geological Society, Inc is to:

Create an interest in the study of Geology

Provide a means for personal development in Geology.

Disseminate knowledge concerning all phases of Geology.

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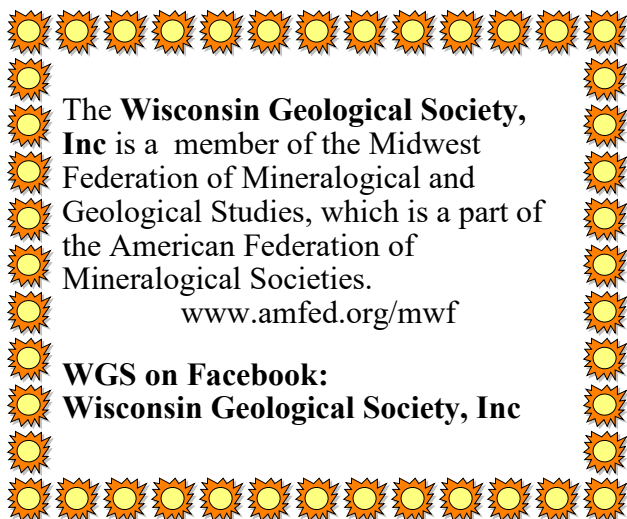
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The **Wisconsin Geological Society, Inc** is a member of the Midwest Federation of Mineralogical and Geological Studies, which is a part of the American Federation of Mineralogical Societies.
www.amfed.org/mwf

WGS on Facebook:
Wisconsin Geological Society, Inc

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FIRST CLASS

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General Membership meetings are held each month (except July and August) on the second Monday of the month at 7:00p.m. in the Parish Hall (lower level) of the Immaculate Heart of Mary Catholic Church, 1212 South 117th Street; West Allis, Wisconsin.

All news, articles, and pictures to be included in the Trilobite should be forwarded to the editor by the 15th of the month. They can be mailed or e-mailed to:
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Wauwatosa WI 53213
pvs@wi.rr.com

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\$15.00 Single Membership
\$20.00 Family Membership

*Please remember to send your check to
Club Treasurer Christopher Nohl
3240 N. Summit Ave , Milwaukee 53211*

The check should be made out to WGS

**The Wisconsin Geological Society, Inc
is now in it's 84th year**