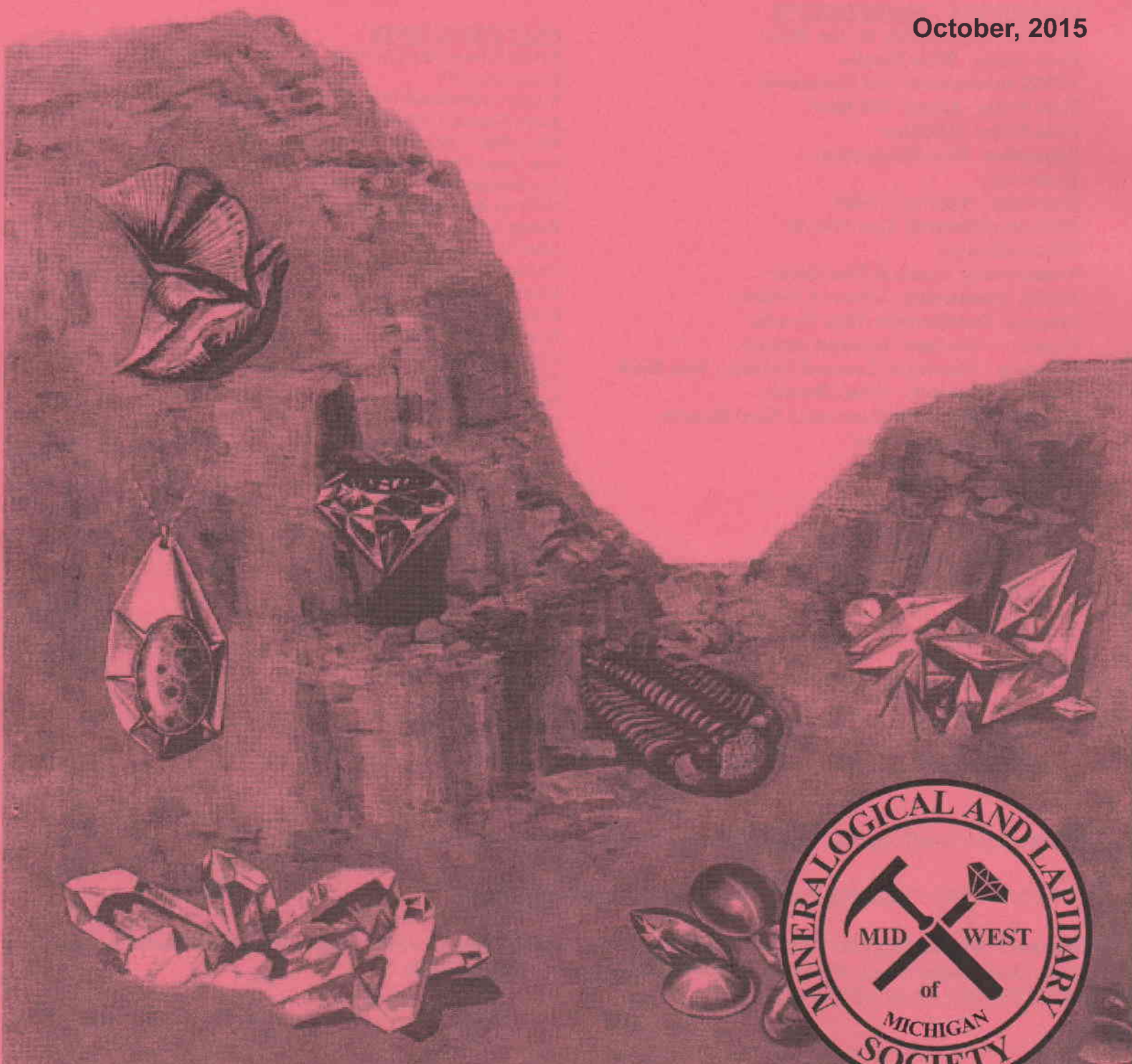


THE ROCKPILE

Official Publication of the Midwest Mineralogical and Lapidary Society

AFFILIATED WITH • MIDWEST FEDERATION OF MINERALOGICAL AND GEOLOGICAL SOCIETIES • AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES

October, 2015



SOUTHEASTERN - MICHIGAN

Midwest Mineralogical & Lapidary Society

2015 OFFICERS

President: Diane Kuzara (734) 675-5237
Vice President: Gary Slominski (734) 379-3294
Recording Secretary: Edie Esche (734) 771-5269
Treasurer: Doris Snyder (313) 291-2133
Corresponding Secretary (Temp) Dan Gumina
(313) 766-8944
Liaison Officer: Leonard Swisher (313) 841-1606

COMMITTEE CHAIRPERSONS

Club Services: Lynda & Don Baker
Door Prizes: Mike Bomba
AFMS Scholarship: Pat Rutkowski
Field Trips – Local: Bill Barr
Field Trips: Bill Barr
Education: Dave Hendershot
Insurance:
Historian: Dolores Swekel
Michigan Material: Tom Morris
Club Publicity:
Membership: Lynda & Don Baker
MMLS Scholarship: Leonard Swisher
Program Coordinator: Mike Bomba
Property – Storage: Leonard Swisher
Property – Meetings: Leonard Swisher / Ken Slack
Sunshine Reporter: Velma Bradley
Refreshments: Janet Slominski / Kim Osborne
Web Site: Stacey Harper

ACTIVITIES

2015 Banquet:
2015 Swap: Lou and Cindy Talley
2015 Auction: Dan Gumina

STUDY GROUPS

Advance Lapidary:
Basic Lapidary:
Bead Study: Diane Kuzara
Faceting:
Mineralogy: Dave Esch
Paleontology:
Wire Study: John Lindsay
Silversmithing: Don Brown

PAST PRESIDENTS

Robert Ellison (interim) 1956
Louis Cox 1957
Robert Heldenbrand 1958-59
Ralph Gamble 1959-60
Fred Miller 1960-61
Bert Smart 1961-62
Leo Nieman 1963
Nicholas Rothenthaler 1964-65
Robert Fedoruk 1966-67
John Good 1968-69
Cecilia Duluk 1970
Stanley Franczak 1971-72
E. Donald Stinnett 1973-74
Ralph Goniea 1975-76
Norman Hanschu 1977-78
Thomas Gibbs 1979-80
Harry Nagy 1981-82
Elsbeth Gibbs 1983-84
Loretta Franczak 1985-86
Roland Snyder 1987-88
Jay Ross 1989-90
Tom Morris Jr. 1991-92
Diane Kuzara 1993-94
Bill Orban 1995-96
Glenn Swain 1997-98
Bill Peach 1999-2000
Diane Kuzara 2001-02
Cecilia Duluk 2003-04
Russ Ranker 2005-06
Dick DePodesta 2007-08
Rich Williams 2009-10
Leonard Swisher 2011-12
Mike Bomba 2013 - 14

The Rockpile Staff : Editor Peter Kuzara, dpkuzara@peoplepc.com, 734-675-5237

MMLS website – www.mmls.us Email - rockhounds@mmls.us

General Club meetings are held at 7:30 p.m. on every third Tuesday of the month (except July and August) at the Democratic Club of Taylor, 23400 Wick Rd., Taylor, MI 48180

GUESTS ARE ALWAYS WELCOME

The President's Corner

Coming on November 7th, the MMLS Auction at the Democratic Club in Taylor. Our auction chairman, Dan Gumina is preparing for a GREAT ONE (it's our 50th). Bring yourself, a friend and your checkbook and check out the oral auction items and the sales table items that will be offered. Doors open at 6pm and the sale tables also open at that time. The oral auction starts at 7pm. Come and support this event and have a pleasant evening with all your rockhound friends.

At this writing, we have not yet had our first General Meeting at our new location, the Democratic Club. We hope everyone comes out to join us there.

We are still looking for board members or any other member to open their homes and host one of our board meetings. If each member of our board would host just one board meeting a year, we would have an overabundance of places to hold our board meetings! As it is right now, most all our club meetings are held at our house-only the General Meetings are held elsewhere. Think that's fair?

I am disappointed I have not been able to bring back our club picnic or banquet like I wanted to. When I see other club bulletins and their pictures and stories about their picnics and banquets, I am envious, their club participation at these club events are tremendous-filled to capacity and everyone having a great time. There is always someone or a group of their club members working on these events for their club-where are our volunteers??

Diane

2016 Nominating Committee Report

The 2016 Nominating Committee of Tom Morris and Russ Ranker propose the following slate as MMLS Officers for the upcoming year:

- President: Diane Kuzara
- Vice President: Dan Gumina
- Treasurer: Doris Snyder
- Recording Secretary: Julie Knechtges
- Corresponding Secretary: Julie Knechtges

Liaison Officer: Peter Kuzara
 Election of 2016 Officers will take place at November General Meeting. Additional nominations will be accepted from the floor at that time. Submitted by T. Morris and R. Ranker

The October Program:

A DVD titled Beauty of Carbonates. The photography by internationally known Jeffery Scovil. The program is about 45 minutes long.

Welcome New Member

Howard Venier
 32295 Church
 Rockwood, MI 48173
 Tel. 734-379-2473

Jake Hutchison JM
 13231 Sumpter RD.
 Carleton, Mi 48117
 Tel 734-587-8009

Dates to Remember

Contacts for study groups

Bead study, Diane Kuzara, 734-675-5237

Mineral study, David Esch, 734-665-5574

Wirewrap, John Lindsay, 734-604-8561

**Lapidary work shop, Frank Konieczki
 734-323-2218**

Sliversmithing study group meeting is cancelled until further notice

October 1 Bead study group will meet at the Kuzara's, 20281 Thomas, Brownstown at 7pm Mi. at 7:30pm.

October 5 Lapidary work shop 2009 W. Michigan Ave., Ypsilanti, Mi., 7pm to 10pm. Fee is \$2.50 for each evening.

October 7 Wire Wrap Class, Call John Lindsay for details.

October 15 Bead study group will meet at the Kuzara's, 20281 Thomas, Brownstown at 7pm.

October 15 Mineral Study Group will meet at Dave Esch's house, 227 Barton Shore Dr., Ann Arbor,

October 16 Board Meeting and Rockpile Deadline.

October 20 General meeting will be held at the **DEMOCRATIC CLUB OF TAYLOR, 23400 WICK RD., TAYLOR** at 7:30pm.

November 2 Lapidary work shop 2009 W. Michigan Ave., Ypsilanti, Mi., 7pm to 10pm. Fee is \$2.50 for each evening.

November 4 Wire Wrap Class, Call John Lindsay For details.

November 5 Bead study group will meet at the Kuzara's, 20281 Thomas, Brownstown, Mi. at 7pm

November 7 MMLS Auction
SEE FLYER IN THIS NEWSLETTER

Our Sister Club Events

Shows and Auctions:

October 9th thru 11th Michigan Mineralogical Society, Macomb Sports & Expo Center, Building P, 14500 E. 12 Mile Rd., Warren, MI for more information www.michmin.org

October 17th & 18th Flint Rock and Gem Club, Carter Middle School, Clio, MI, for more information www.flintrockandgem.org

October 20th Indian Mounds Rock & Mineral Club Silent Auction Sale. Wesley Park Methodist Church, 1150 32nd Street S.W., Wyoming, MI. For more information www.indianmoundsrockclub.com

October 23th thru 25th Central Michigan Lapidary & Mineral Society, Ingham County Fairgrounds, Main Arena, 700 E. Ash St., Mason, MI for more information l.r.laylin@gmail.com

October 24th & 25th Akron Mineral Society & Summit Lapidary Club, Cuyahoga Falls, Ohio Gemboree@outlook.com

November 9th Michigan Mineralogical Society (Auction), Cranbrook Institute of Science, 39221 Woodward, Bloomfield, MI for more information www.michmin.org

From the Editor: My two cents.

Hi everyone just received an email from Tom Noe about an article in the ALAA newsletter, it concerned fossil collecting. The article is long so I am not going to reprint it in our newsletter. Tom tells us to go to ALAA website which is: www.Amlands.org . To view the article you click on "Newsletter" on the left, then click on "April-June,2015". To be informed about new regulations about collecting fossils you should read this article. November 7, is coming up so get ready to volunteer at our auction. When you see Dan ask him what you could do to help. We have a lot of material in storage and other places so getting this material will require some help. Diane and I will be demonstrating at the Toledo Show I hope to see some of our club members in attendance. I always like to support our sister clubs. We will be demonstrating at the Detroit Show and Lansing Show. See you all in Taylor.

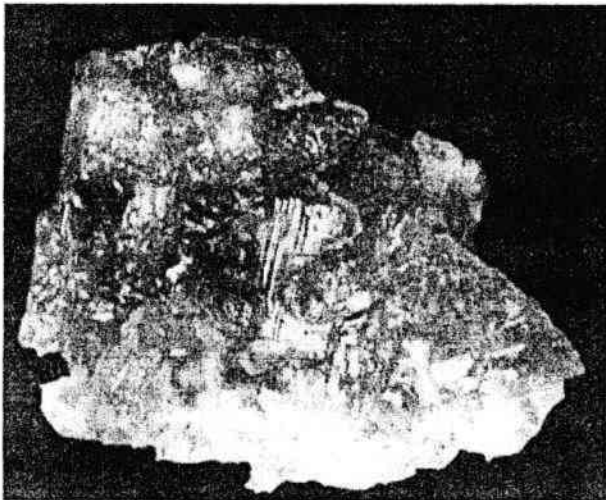
Pete

Carlsonite: New Mineral Species Discovered in Northern Ohio

by Daniel Blake Reprinted with permission from Ohio Geological Survey.

February 18,2015-Ohio is now the birthplace of one of the world's new mineral species. The new mineral, carlsonite,

has been discovered by Dr. Anthony Kampf of the Natural History Museum of Los Angeles County and Dr. Peter Richards of Heidelberg University, who spent time investigating a shale fire along the Huron River in 2009. "It is always exciting when a new mineral is discovered—one that has never been seen before anywhere," said Richards. "Carlsonite is the first new mineral to be described from a location in Ohio, other than two that were discovered in a meteorite that just happened to fall here." Thin tablets of carlsonite from a shale fire site along the West Branch Huron River near River Road, in Huron County, Ohio. Field of view is 2.0 mm, Anthony Kampf specimen and photo.



The mineral is named after the late Dr. Ernest Carlson (1933-2010), a Kent State University professor, for his outstanding contributions to mineralogy. Dr. Carlson passed away in November 2010 in Cleveland at the age of seventy-six. At the time of his death, he had completed and submitted a revision of his popular *Minerals of Ohio*, originally published in 1991 by the Ohio Geological Survey, and was engaged in a study of the Huron River shale fire. The shale fire occurred in a rock outcrop of the Late Devonian Huron Shale Member of the Ohio Shale along River Road, northeast of the town of Monroeville in Ridgefield Township, Huron County. At the time of inspection, geologists were

uncertain of the cause. The current hypothesis suggests the fire started in September 2009 as the result of spontaneous combustion. The shale fire burned until March 2011 and created a variety of exotic mineral species, such as boussingaultite and loncreekite, as well as the never-before-observed carlsonite.

"The natural shale fire in which [carlsonite] formed is a rare mineral-forming environment, especially in an otherwise tame geological state like Ohio," said Richards.

Carlsonite was produced by the condensation of gases in the oil-shale fire. It occurs in crystal form as thin to thick tablets up to about 0.5 mm but often much smaller. At this scale, the yellow to orange-brown crystals are best viewed through a high-powered microscope. As defined by Carlson, a mineral is a naturally formed solid substance generally having a definite chemical composition and specific physical properties.

Carlsonite's physical properties include perfect cleavage, irregular fracture pattern, tan streak, and a glassy, transparent luster. Density could not be measured because the mineral is soluble in liquids used to measure density.

In addition to Carlsonite, another new mineral species has been discovered from the Huron River shale fire site and has yet to be named pending further study.

The Ohio Geological Survey is grateful to Dr. Anthony Kampf and Dr. Peter Richards for their dedicated research in the field of mineralogy and contributions to the State of Ohio.

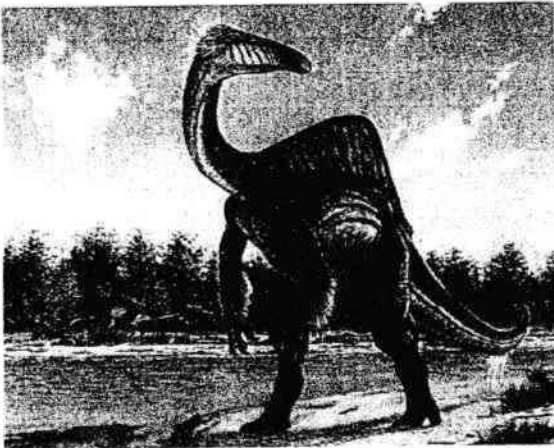
From Rocky Reader 3/2015.

The PARAPROSDOKIANS for this month are:

1. Where there's a will, I want to be in it.
2. The last thing I want to do is hurt you. But it is still on my list.

What is a paraproisdokian? I am not telling until next month.

Goofy 7-ton dinosaur blends Barney and Jar Jar Binks By Seth Borenstein the Associated Press via News and Views 11/2014



Washington Nearly 50 years ago, scientists found bones of two large, powerful dinosaur arms in Mongolia and figured they had discovered a fearsome critter with killer claws.

Now scientists have found the rest of the dinosaur and have new descriptions for it: goofy and weird.

The beast probably lumbered along on two legs like a cross between TV dinosaur Barney and Jar Jar Binks of Stars Wars fame. It was 16 feet tall and 36 feet long, weighing 7 tons, with a duckbill on it's head and a hump-like sail on its back. Throw in those killer claws, tufts of feathers here and there, and no teeth - and try not to snicker.

And if that's not enough, it ate like a giant vacuum cleaner.

That's *Deinocheirus mirificus* (DY-noh'-KY-ruhs mur-IHF'-ee-kuhs), which means "terrible hands that look peculiar." It is newly reimagined after a full skeleton was found in Mongolia and described in a paper released Wednesday by the journal *Nature*. Some 70 million years old, it's an ancestral relative of the modern ostrich and belongs to the dinosaur family often called ostrich dinosaurs.

"*Deinocheirus* turned out to be one the weirdest dinosaurs beyond our imagination," study

lead author Yuong-Nam Lee, director of the Geological Museum in Daejeon, South Korea said in an email.

When scientists in 1965 found the first forearm bones - nearly 8 feet long - -many of them Envisioned "a creature that would strike terror in people," said University of Maryland dinosaur expert Thomas Holtz Jr, who wasn't part of the study. "Now it's a creature that would strike bemusement, amazement."

And yes, he said, "it's pretty goofy."

The find is tremendous but is a cautionary tale about jumping to conclusions without enough evidence, said University of Chicago dinosaur expert Paul Sereno, who wasn't part of the discovery.

It also reminds us that evolution isn't always what we think, Sereno said.

"This is evolution in a dinosaur - not a mammal--world," Sereno said in an email. "The starting point is a two legged animal looking somewhat like a fuzzy-feathered ostrich. Now you want to get really big and suck up lots of soft vegetation. In the end it looks like a goofy Michelin ostrich with fuzz and a tail--not a cow."

Lee figures the tilted wide hips and massive feet show that *Deinocheirus* was a slow mover and probably grew so big to escape from being regularly feasted on by bigger dinosaurs.

It had a beak that could eat plants, but it had a massive tongue that created a suction for vacuuming up food from the bottoms of streams, lakes and ponds, Lee wrote.

Originally Lee's team couldn't find the dinosaur's skull, but a tip from another researcher led them to recover it from a private market in Germany. Some kids will soon adopt this dinosaur as their favorite, Holtz said, "and those are kids with a sense of humor."

The secret of a good sermon is to have a good beginning and a good ending and to have the two as close together as possible. George Burns

How to cut Obsidian

Gold Sheen: To get the most out of mahogany gold sheen obsidian, saw with the bands, as if they were a stack of plates, and you wish to unstick them. Watch for "fire spots" in gold sheen. It is not plentiful, but opal-like colors do sometimes occur in mahogany gold sheen.

Iridescent There are two types of iridescent obsidian. In cutting both correctly, the orientation of the color is most important. One type of obsidian is banded and the color lies in the bands. On the unbanded types of obsidian the surface has to be chipped to find the color. The banded type will have several colors or shades, while the unbanded will have only one. Cut the banded parallel to the bands to get effect. To get rainbow effect cut the stone at an approximately 15 degree angle across the bands.

Midnight Lace: patterned obsidian should be cut across the surface pattern that you desire to reproduce. Though obsidian is comparatively soft, it is still very important to sand away all scratches before going to polish. Some advise that wet sanding be done, since obsidian is heat sensitive and very brittle. For final polish, felt with cerium oxide is the choice. Should you be faceting some particularly gemmy obsidian try cerium oxide on Lucite but keep it wet.

Rainbow: Cut parallel to flow layers. These can be seen by examining fractured surfaces using an overhead single lamp bulb. These are not always straight; it may be necessary to turn the stone slightly in the saw, Examine each slab set with either water or saw oil to see if the correct angle has been obtained.

Grinding Obsidian Cabs: Approach your grinding wheel with the material at a slight horizontal angle. If brought straight in, it may be a "shattering" experience as Obsidian fractures conchoidally, and this is a sure way to do it.

Polish on obsidian: Keep the polishing wheel wet. A dry polish will result in blisters and scratches. After obsidian is sawed, be sure to bevel the edges on your fine grinding wheel to keep them from

flaking and chipping. Wear goggles or glasses at all times. If a small chip of obsidian got into you eye it could be very hard to remove as it transparent and hard to see even with a powerful magnifying glass, and the edges may cut your eye to great extent before it can be removed.

Author Unknown. From Quarry Quips, May, 2004, via SCFMS Newsletter Nov/Dec 2005, Via The Rockcollector - Jan/07, News and Views 3/15

SOME HINTS Put reflector tape or fluorescent paint on your tool handles. It makes them easier to see. Your tools won't rust if you spray them with PAM or WD-40.

For a gloss on your stone, polish once dry, then put a drop of vinegar on it. Let it set for a couple of minutes, then give it another polish. Via -The Rock Bag

Endust will help a fossil for display look clean and detailed. It get rid of the dusty look. It's also great for bringing out the colors of a prize agate that a owner hates to cut and polish.

CHRYSOPTASE - Recent stories are calling chrysoprase " Australian jade". That's as bad as referring to abalone shell as marine opal. Such a beautiful stone deserves its own name. Chrysoprase is a lovely green quartz. Best grades are almost clear. Some of the stones have mossy inclusions. It ranges from a dark green jade to a leek green color. The color is due to the presence of nickel. The stone is similar to chalcedony in physical properties, It has a hardness of 7 and is sometimes brittle. It polishes well, especially with leather, but is slightly heat sensitive, so lots of water should be used while working it. If the stone gets hot, it can develop white areas. Because it is slightly fibrous it is great for carving.

Chrysoprase has been around for a long time. Some of the earliest finds were in Poland in the 1400s. Small deposits have also been found in the United States, Brazil, Russia and South Africa. It occurs in layers often associated with serpentine, via The Agatizer 7/00 via The Gemrock 11/00

**MIDWEST MINERALOGICAL & LAPIDARY SOCIETY
PRESENTS**

THE 50TH ANNUAL AUCTION

SATURDAY, NOVEMBER 7, 2015 AT 7:00 PM

AT THE

DEMOCRATIC CLUB OF TAYLOR, 23400 WICK RD. TAYLOR, MI.

AUCTION STARTS AT 7:00PM, SALES TABLES ARE OPEN AT 6:00PM

**FREE ADMISSION AND PLENTY OF FREE PARKING
PUBLIC INVITED**

PLENTY OF TREASURES TO BE FOUND:

MINERALS---LAPIDARY---JEWELRY---FOSSILS---BOOKS---AND MUCH MORE

FOR MORE INFORMATION CALL DAN GUMINA 313-766-8944

Graphene—The World’s Most Incredible Material?

from an article by David Freeman

Via the Bulletin of the New York Mineralogical Club, 7-8/2015, via Rockhound Ramblings 7/2015

Imagine a cell phone that you could fold up like a handkerchief and stick in your pocket. Or a giant video screen you could hang on the wall like a sheet. Or how about ultra-fast-charging batteries, or super-efficient see-through solar cells? Never heard of it? Remember that you heard of it here! All those and many more products may be available in the not-too-distant future, Dr. David A. Boyd—a staff scientist at the California Institute of Technology and the researcher credited with developing the new graphene-making process—told The Huffington Post recently.

A honeycomb-like sheet of pure carbon only one atom thick, graphene is one million times thinner than a human hair, and yet 200 times stronger than steel. It’s also an excellent conductor of heat and electricity and is stretchable, flexible, transparent, and impermeable.

And now scientists at Caltech in Pasadena, California say they have figured out how to make the stuff on an industrial scale—a break-through that could open the floodgates to a seemingly endless array of graphene-based products. “You could imagine something crazy,” Boyd told the Pasadena Star-News. “You could wrap a building in graphene to keep it from falling over.”



THE MIDWEST MINERALOGICAL AND LAPIDARY SOCIETY (MMLS) is an educational non-profit organization founded in 1956. The Society now has more than 200 members and is affiliated with the Midwest Federation of Mineralogical Societies and the American Federation of Mineralogical Societies. Significantly, MMLS has been recognized numerous times by the Midwest and American Federations with first place (gold level) awards in the annual All American Club Awards Program.

PURPOSE: The purpose of The MMLS shall be (1) to promote interest in and increase knowledge in the fields of mineralogy, geology, and paleontology, including lapidary and related arts; (2) to publish articles and information pertaining to these fields; (3) to encourage collections and to display specimens in these fields; and (4) to arrange field trips in support of the interests and activities specified.

GENERAL MEETINGS: the third Tuesday of each month, September through June, 7:30 p.m. at the Southgate Arena, 14700 Reaume Parkway, Southgate Michigan **GUESTS ARE ALWAYS WELCOME.**

MEMBERSHIP: Applications for membership can be obtained at any general meeting or from any MMLS member. **DUES:** Entrance fee - \$3.00; annual dues - \$15.00 (adult), \$1.00 (junior) on a year basis. Membership expires each Dec. 31.

ANNUAL EVENTS:

March – Rock Swap and Sale
November – Auction

STUDY GROUPS: Special-interest study groups meet monthly, September through June. No additional fees are involved. Currently the following groups are active:

Advanced Lapidary	Faceting	Paleontology
Basic Lapidary	Wire Study	Bead Study
	Mineralogy	Silversmithing

FIELD TRIPS: Several one day field trips and one longer (one to two weeks) field trips are conducted each year. Mostly, these field trips focus on the collection of mineral and fossil specimens at quarries, mines, and other known collecting sites in the United States and Canada. Field trips are restricted to MMLS members.

SCHOLARSHIP FUND: MMLS has established a scholarship Endowment Fund which provides scholarships to qualified students enrolled in an accredited college or university in southeastern Michigan who have completed at least their junior year and have a major in geology, mineralogy, paleontology or lapidary and related arts.

SEAMAN MINERAL MUSEUM: MMLS has designated the A.E. SEAMAN Mineral Museum at Michigan Technological University, Houghton, Michigan, as its "adoptive" museum, pledging to support it with gifts to the museum's endowment fund and the donation of mineral specimens and services.

INTERNET WEB SITES OF INTEREST:

Midwest Federation: www.amfed.org/mwf/index.html

American Federation: www.amfed.org

Midwest
Mineralogical and
Lapidary
Society of
Michigan

Dated Material

STAMP

EDITOR
20281 THOMAS
BROWNSTOWN, MI
48183



1993 - 1st Place (Large Bulletin) AFMS
1991 - 1st Place (Large Bulletin) MWF
1990 - 1st Place (New Editor) AFMS
1990 - 1st Place (New Editor) MWF



Bulletin Editor Contest Awards

The ROCKPILE

