

CHIP & LICK



Official Publication of the Miami Valley Mineral and Gem Club

VOLUME 51, NUMBER 1

JANUARY, 2005



MEETINGS: Second Sunday of the month except June, July and August.

PLACE: Small Business Development Center, 300 E. Auburn Ave.,
Springfield, OH 45505. Phone: 322-7821

TIME: 2:00 P.M.
Guests are always welcome!

EDITOR: Phil Lind
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Purpose and Memberships

The objectives of the Miami Valley Mineral and Gem Club are:

To promote interest and increased knowledge in the fields of mineralogy, geology, and the lapidary arts.

To further the art of mounting and setting stones.

To encourage the collecting, identifying and displaying of specimens in these fields.

The annual dues are \$7.50 for an individual membership, \$10 for a couple, or \$12 for a family membership.

This club is a member of the Midwest Federation of Mineralogical and Geological Societies (MWF), which is a member of The American Federation of Mineralogical Societies (AFMS).



The Editor of the MVMGC is a member of S.C.R.I.B.E.

MIAMI VALLEY MINERAL AND GEM CLUB, INC.**2005 OFFICERS**

President	Hugh Fulton	322-1021
Vice President	Andreas Ruben	390-2081
Corresponding Secretary	Katrin Ruben	390-2081
Recording Secretary	Dick Faux	383-1212
Treasurer	Joyce Perry	372-8228
Editor	Phil Lind	322-7916
Librarian	Joyce Perry	372-8228
Curator-Historian	Becky Dobbs	372-9022
Trustee (2005)	Marie Shinabarger	426-2289
Trustee (2006)	Becky Dobbs	372-9022
Trustee (2007)	Udean Babyak	342-1511

2005 COMMITTEES

Anti-Litter	All Members	
Canceled Stamps	Kay Faux	383-1212
Chaplain	Udean Babyak	322-0443
Christmas Banquet	Udean Babyak	342-1511
Field Trips/ Safety	Phil Lind	
	Ken Newman	
	Tim Fosberg	
MWF Liaison	Hugh Fulton	322-1021
Photographer	Andreas Ruben	390-2081
Program	Andreas Ruben	390-2081
Refreshment	Joyce Perry	372-8228
Scholarship	Joyce Perry	372-8228
Show Chairman		
Spring Banquet	Udean Babyak	322-0443
Sunshine	Joyce Perry	372-8228
Swap	Hugh Fulton	322-1021
Webmaster	Katrin Ruben	390-2081

JANUARY BIRTHDAYS

Ginny Bignell Jan 6
 Philip Lind Jan 20
 Elsie Smith Jan 23
 Phillipp Ruben Jan 28

JANUARY ANNIVERSARIES

None

FEBRUARY BIRTHDAYS

John Mercer Feb 4th
 Joyce Perry Feb 4th

FEBRUARY ANNIVERSARIES

Joan & Hugh Fulton Feb 24th

President's Message

I'm snowbound! What happened to global warming? We are assured a white Christmas this year, or should I say last year since you will be reading this in 2005? Snow is fun, but when it comes 15-17 inches in a day you run out of places to put it. Steve, my son-in-law who helps at shows and swaps and my grandson Chance, came to our rescue and dug us out.

Didn't we have a nice turnout for the Christmas party! We just fit in the room we were assigned! It was fun and I think I heard someone suggest we have the spring banquet there too. Thanks Udean, for handling these events.

Let's hope this weather is not around for our January, meeting. Don't forget the program will be a silent auction. So did every one have an enjoyable memorable 2004 it's gone forever?

Hugh



MIAMI VALLEY MINERAL & GEM CLUB MINUTES

DECEMBER, 2004 MINUTES

There were no minutes for December. We had our Christmas Party at "Teaberries". We had a great turnout (16 members & spouses). Everyone participated in the gift exchange; the food was reasonably priced and **good**. They have a beautiful gift shop and country store. I believe everyone had a great time. Thanks Udean for making the arrangements.

Your editor- Phil Lind



JANUARY PROGRAM

Program: – Silent Auction

Refreshments - Dick & Kay Faux

PLEASE REMEMBER TO BRING ITEMS FOR THE SILENT AUCTION. A GOOD VARIETY OF ITEMS WILL ALWAYS ENSURE MORE INTEREST. ALL PROFITS BENEFIT THE AMFS SCHORALSHIP FUND.

Future Programs and Refreshments:

February Program: - Natural vs. Artificial

Refreshments – Andreas & Katrin Ruben

March Program: Micromounts

Refreshments - Tim Fosberg



UPCOMING SHOWS & EVENTS:

Driving south for winter vacation (check this out)

THROUGH JANUARY 15TH, 2005 – TRY STOPPING AT CARTERSVILLE, GEORGIA (ABOVE ATLANTA) AT THE WEINMAN MINERAL MUSEUM – THEY HAVE TEMPORARY EXHIBITS – “TAKE NOTHING BUT PICTURES...” THE STORY OF CAVES –

JANUARY 6TH, 2005 – 6:30 PM COOKIES AND COKE, 7:PM LECTURE “MARBLE MINING IN GEORGIA” – FREE ADMISSION

FEBRUARY 7TH – JULY 16TH, 2005 - “LOVELY”

HOW TO GET THERE – I-75 EXIT 293 AT HWY 411 CALL (770) 386-0576 OR WWW.WEINMANMUSEUM.ORG

IF YOU HAPPEN BY THAT WAY – SEND ME A SHORT ARTICLE AND GET ME KNOW HOW IT WAS! WE ALL NEED TO LEARN OF PLACES WE HAVEN'T BEEN.

• JAN. 7TH- FEB. 8TH, 2005 - LAUGHIN, NEVADA, (OUTDOOR SHOW) AT AVI RESORT & CASINO, THE OUTDOOR SHOW IS LOCATED A FEW MILES SOUTH OF LAUGHLIN. IT IS PART OF THE CLOUD'S JAMBOREE.

• JANUARY 14TH – 30, 2005 - LAUGHIN, NEVADA (CLOUD'S JAMBOREE -INDOOR SHOW)

• FEB. 10TH – 13TH, 2005 - TUCSON, AZ. 51ST TUCSON GEM & MINERAL SHOW (ALTHOUGH I BELIEVE THIS IS THE MAIN SHOW. THE ENTIRE AREA OF TUCSON IS FILLED WITH SHOWS AND FLEA MARKETS THROUGHOUT THE FIRST HALF OF FEBRUARY. CHECK “ROCK & GEM MAGIZINE” FOR OTHER HAPPENINGS THROUGHOUT AZ. AND SURROUNDING STATES AT THIS TIME OF YEAR.



FEDERATION NEWS



The Federation newsletter will be available for reading at the monthly meeting. Be sure to check it out.



IT'S JANUARY 2005!! HAVE YOU PAID YOUR DUES?????????

AFMS (not published in January)

At the beginning of each year I believe it is a good idea to review the AFMS (Code of Ethics). It reminds us of the responsibilities we each have to insure that we can maintain rockhounding privileges for those that follow in our footsteps. I am including it below:

- I will respect both private and public property and will do no collecting on privately owned land without the owner's permission.
- I will keep informed of all laws, regulations of rules governing collecting on public lands and will observe them.
- I will to the best of my ability, ascertain the boundary lines of the property on which I plan to collect.
- I will use no firearms or blasting material in collecting areas.
- I will cause no willful damage to property of any kind- fences, signs, or buildings.
- I will leave all gates as found.
- I will build fires in designated or safe places only and be certain they are completely extinguished before leaving the area.
- I will discard no burning material – matches, cigarettes, etc.
- I will fill all excavation holes which may be dangerous to livestock.
- I will not contaminate wells, creeks, or other water supply.

- I will cause no willful damage to collecting material and take home only what I can reasonable use.
- I will practice conservation and undertake to utilize fully and well the materials I have collected and will recycle my surplus for the pleasure and benefit of others.
- I will support the rockhound project H.E.L.P. (Help Eliminate Litter Please) and will leave all collecting areas devoid of litter, regardless of how found.
- I will cooperate with field trip leaders and those in designated authority in all collecting areas.
- I will report to my club or Federation officers, Bureau of Land management or other authorities, any deposit of petrified wood or other materials on public lands which should be protected for the enjoyment of future generations for public educational and scientific purposes.
- I will appreciate and protect our heritage of natural resources.
- I will observe the "Golden Rule", will use " Good Outdoor Manners" and will at all times conduct myself in a manner which will add to the stature and Public "image" of rockhounds everywhere.

(AFMS -November 2004)



FIELD TRIP FIELD TRIP FIELD TRIP FIELD TRIP FIELD TRIP

WHEN – JANUARY 8, 2005 (tour will start at 1:30 PM, please be a little early or you may need to find us)

WHERE – MUSEUM AT OHIO STATE UNIVERSITY – ORTON HALL – CURATOR- DALE GNIDOVEC WILL GIVE US A 45 MINUTE TOUR OR WE JUST LOOK FOR OURSELVES – HE STATED THAT WE MAY BE ABLE TO SEE SOME AREAS NOT NORMALLY ON THE TOUR IF THE GROUP IS NOT TO BIG. HOPE TO SEE EVERYONE THERE.

DIRECTIONS: From Springfield take 70 east to 71 north. Take 71 north and get off at the 11th Avenue exit.

At the light at the top of the exit ramp turn left. Take 11th Avenue past the fairgrounds to the light at Grant, where 11th becomes one-way coming towards you. Turn right on Grant and take it a few car lengths before turning left on Chittenden.

Take Chittenden through the lights at Summit and Fourth to the light at North High Street, where Chittenden dead-ends. Turn right onto High then make an immediate left at 12th Avenue (there is a light and a United Dairy Farmers Store). 12th brings you in to campus.

Take 12th Avenue a very short block to the first stop sign at College Road. Turn right on College. After driving a few car lengths you will pass bus stops on both sides of the road. After going a few more car lengths there will be a road on your left, Hagerty. Turn left on Hagerty and follow it until it dead-ends at Orton Hall, which houses the museum.

Orton Hall is a tan-colored stone building with a red roof and a pointed tower on the front. There is meter parking behind the building. (If no spaces are available, you will have to drive back out Hagerty to the parking garage on College Road). Come up the front steps and go through the lobby to the Museum. I'll probably meet you in the lobby.

Lost? Call Dale at 614 292-6896

Dale Gnidovec, Curator
Orton Geological Museum
Ohio State University



In November Ken Newman and Phil Lind attended the “Columbus Rock & Mineral Society” monthly meeting and listened to a program about maps and digital products of the Ohio Geological Survey. The program was very interesting and we came away with the web site address for OHIO GEOLOGICAL SURVEY. When you are surfing your computer, check out this site. It is filled with huge amounts of information about the state. <http://www.ohiodnr.com/geosurvey/>



Refreshments, articles, and displays needed for future newsletters and meetings. A sign-up sheet will be available at the monthly meeting. Please sign up. I know each of you has a specialty that would interest the entire club.



Sugilite

What is Sugilite?

Sugilite is a by-product of manganese mining. It is a potassium sodium lithium iron manganese aluminum silicate. Sugilite can range in color from lilac (light purple) to a very dark purple. Most of the material found today is opaque. Sugilite that is translucent is highly prized. The black areas in Sugilite is the Manganese. Occasionally you will find some blue areas, which is Richterite (an extremely rare mineral). The orange/brown areas are Bustamite. Chemically Sugilite is composed of Potassium Sodium Lithium Iron Manganese Aluminum Silicate ($\text{KNa}_2\text{Li}_3(\text{Fe}, \text{Mn}, \text{Al})_2\text{Si}_{12}\text{O}_{30}$). Sugilite does not form well-shaped crystals and is found in large mass. Sugilite forms in syenite, a rock that was created through volcanic activity deep beneath the earth's surface. Material that is dark purple and translucent (resembling grape jelly) is the rarest of the material and is sometimes faceted. The hardness is 6-6.5 on the mohs scale.

Where is sugilite found?

Sugilite was originally found on Iwagi Island, Shikoku, Japan. It has also been found in Canada, India, and South Africa.

The only cutting grade material has been found in South Africa.

Does it have a history?

Sugilite has had other trade names such as Royal Azel, Royal Lavulite, Purple Turquoise, Gem Sugilite, and Royal lazelle. Sugilite (soo-ji-lite) was first discovered in 1944 in Japan by Ken-ichi Sugi, a Japanese geologist who specialized in rock formation and composition. This first discovery was in sand form. The specimen that professor Sugi found was a light brownish yellow and not as appealing as the prized sugilite on the market today. The second known occurrence of sugilite came in 1955, when a single dark-red ore specimen with pink crystals across its surface was found in central India. However, this specimen was not identified as sugilite until many years later. The great discovery of the mineral did not happen until 1975 when sugilite was discovered in large quantity. A thin, but bright magenta band of sugilite ran through a core sample obtained at a manganese mine in the small town of Hotazel (lovingly referred to as Hot-as-hell due to the climate) in the Kalahari Desert of South Africa. This first discovery there was a low grade ore but significant for the size of the deposit. The major deposit of gem grade sugilite was found in 1979 at a depth of approximately 3200 feet below the surface. This deposit yielded between 10 and 12 tons of material. This is the only deposit that was found to produce this grade of material. Because it has been found only in one limited deposit, gem quality sugilite is considered collectible.

This material made its way into the gem market in 1981 at the Tucson Gem and Mineral Show. Sugilite started making its debut in Southwestern jewelry and started being referred to as "Purple Turquoise" because of the patterns it often has, even though there is no relation to turquoise chemically, and it was often paired with turquoise and coral for the complimentary colors.

What are its uses today?

Sugilite has become very popular with jewelry designers because it is appealing in color and is so distinctive from other stones. Since it comes in fairly large pieces, it can make very impressive, one-of-a-kind designer pieces. Faceted stones have been cut from the rare gel of this material. Phenomenal carvings have been made from this stone too. Those strong in astrology say that sugilite falls under the sign of Virgo, and favored by Capricorn and Aquarius. It also has found a place in Feng Shui as the stone that

assists in mind-body connections. Probably the strongest market today that sugilite has found itself in is the metaphysical market. It is said to provide a barrier from all negativity, to be in tune with the Third Eye, and a balancer of the mind, body, and spirit. It is also sought after as a collector's stone due to its limited supply.

How is it to cut?

Sugilite isn't difficult to cut. Sugilite will leave your hands and water white. If you have a lot of manganese or bustamite, your water will get brown or dark when cutting the other associated minerals. The material is mined with explosives, just like pietersite, most jaspers, and some other materials. This causes fracture lines throughout the material. This is also caused because of the way the material was formed and the depth they acquired the material. Lots of pressure at those depths. Nice pretty white lines throughout the Sugilite are usually fracture lines and should be stress tested by trying to break it by hand or cut out. Nothing more frustrating than to finish a cab and have it snap in two.

Sugilite takes a good polish. I have found that Cerium Oxide (French Cerium) or Sapphire powder (Alumina) work very well.

(Article supplied by T. Fosberg) Found in :

Unconventional Lapidarist
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SAVE COMMEMORATIVE STAMPS

HAPPY NEW YEAR