

THE ROCKFINDER



Margaret Heinek
Michiana Gem & Mineral Society
7091 E. East Park Lane
New Carlisle, IN 46552

FIRST CLASS MAIL



Midwest Federation Convention
Hosted by:
The Michiana Gem & Mineral Society
South Bend, IN

MICHIANA GEM AND MINERAL SOCIETY

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The MICHIANA GEM AND MINERAL SOCIETY, a non-profit organization, is affiliated with the MIDWEST FEDERATION OF MINERALOGICAL AND GEOLOGICAL SOCIETIES and with the AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES.

Regular Meetings

Time: 2:00 p.m. EST	Place: Westminster Presbyterian Church
Fourth Sunday of each month	1501 W. Cleveland Road
June - Field Trip Meeting	South Bend, IN
July - No meeting	West of the St. Joseph River
August - Annual Club Picnic	
December - Date to be announced - Christmas Party	

Dues

Individual	\$ 6.50 per year
Family	10.00 per year
Junior	2.00 per year

Rockfinder Staff

Editor.....Joyce Larson	144 Spruce Dr., Westville, IN 46391
Co-Editor.....Margaret Heinek	7091 E. East Park Ln., New Carlisle, IN 46552
Staff.....Bob Heinek/Club Members	

All contributions for publication should be in the hands of the editor (219-785-4382) by the 10th of each month. Permission is hereby granted to reprint, at any time, items published in the ROCKFINDER provided due recognition is given.

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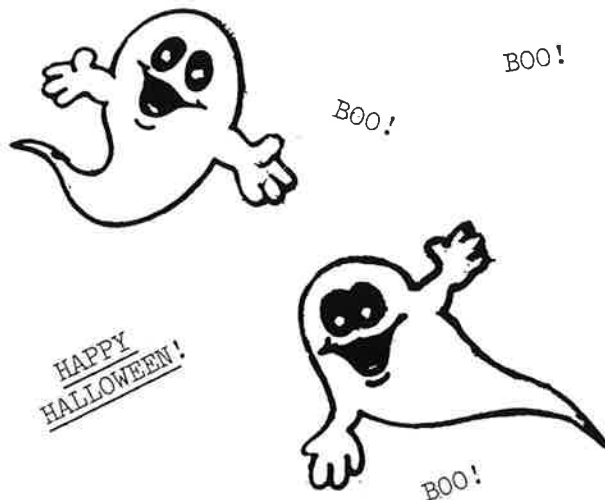
SOUTH BEND, IN

MEETING: October 27, 1991
Doors Open 1:30 p.m.
Meeting at 2:00 p.m.

PLACE: Westminster Presbyterian Church
1505 W. Cleveland Road
South Bend, IN
West of the St. Joseph River

PROGRAM: The Quint Family of Benton Harbor, MI - Bob, Christine and sons, Adrian & Brian will demonstrate "HOW TO WIRE WRAP GEM TREES" from the ground up.

HOSTS: Joe Fashbaugh
Mary Miller
Joyce Larson



SPECIAL DAYS FOR CELEBRATION IN OCTOBER

HAPPY BIRTHDAY:
1 - Nina Hassler
3 - Carol Amundson
3 - Jerry Goble
11 - Rob Heinek
16 - Judy Heinek
19 - Tess Miller
28 - Irene Ungurait

--and--

HAPPY ANNIVERSARY:
1 - Bob & Kathy Miller
19 - Delton & Tess Miller
(married on Tess' 23rd birthday)
26 - Vic & Monica Segel

ROCKINITIONS:

Tumbler - one who falls down a rock pile.
Amateur - one who keeps his mouth shut and his ears open.
Quartz - two pints of rocks.
Zinc - where you wash your tired feet after a long hunt.
Zincite - a small zinc.
Apatite - what you get on a long hunt.
Tripolite - what your bag would be if you had left the leavitttheres.
Garnet - what you say when a rock falls on your foot.
Conglomerates - a group of rockhounds.
Petrified - what you are when you see just what you're looking for.
Gneiss - those big, perfect specimens.

(via Carl Tooley, Gems and Minerals, & Smoke Signals)



MARGARET'S COLUMN

Here it is nearly winter, and I don't know where the summer has gone. I guess I was so busy it flew.

Our Convention/Show was a success, at least for the Club, as we did realize a profit. I will give a final figure at the meeting on October 27th, if we do not receive any late bills. I believe they are all in!

Bob and I went to the AFMS Convention in Tampa, it was a good one, except for the hot temperature. Golly was it HOT! The humidity was really bad too. I thought Indiana had high humidity, but Florida is worse. We had rain a couple of times which made the humidity much higher. When we got into our car, it took a long time to get the temp. down enough so a person could breathe. It was too hot to sight-see, so we went from the motel to the car, to a restaurant, to the show site. All of the meetings and meals were in the motel, so we could get dressed up and not have to feel the heat going a long distance.

There were fewer competitive displays at the Tampa show than we had at the MWF Convention. This made us feel good, to think we had more displays than they did there. People that attended our show and the Tampa show, told me our displays were more outstanding. One of our dealers was there, Jim Fowler. Bob and I entered a case of petrified wood, but did not have enough points to take a trophy.

We came back to Indiana through North Carolina, but we did not stop in Franklin for rubies. We had heard the mines are all salted and we did not feel we wanted to spend time and money on this type of gravel.

We did go to Spruce Pine for several days, but found all rockhunting was being done at rock shops, and the gravel was being brought in from all over.

Also salted material. The charge was \$5.00 per bucket, and I know I have seen better rock in our kiddie's wheel. We were offered a trip to an aquamarine mine, @ \$10.00 an hour, per person, and it required sledge hammers. Bob and I figured we would be spending \$20.00 before we got started. So we passed up on this.

Oh well, we had a good time in spite of no rock hunting. Come to the meeting this month for a good program! Bob Miller has made arrangements for a demonstrator to come and show us some of their work and how they do it.

Just heard June Hernesmaa was in an accident about the 22nd of September in Michigan. Her car was hit by a semi truck, which totalled her car. Now she is having to use crutches. Hurry up and get well, so you will be able to attend meetings.

Margaret

Had a nice letter from a member that has been in the club since it was formed, Nelvin Chestnut. He has been ill for a couple of years, but is feeling much better now. He just returned from a trip to California to see his new g-grandson. Nelvin sends his regards to all. He thinks about the ones he knew quite well, and a lot of the "new members". Since he was in on the start of this club, he takes pride in our accomplishments.

He has a new address: 4029 River Rock Way, Woodstock, GA 30188

The Glacial Drifter of Grandville, MI, Ruth Steele, delegate, gave a report on the convention: "It happened in South Bend". They reported it was an ideal place where the MWF show was held in the Century Center, and the river view was a "picture waiting to be painted". She made it a point of saying they had been warmly greeted by the members of the host club. She wrote, "w had a very accomodating room for the meeting called the recital room."

.....continued Page 3

..CONTINUED - The Glacial Drifter

She went on to say, "I can really appreciate this as the accoustics and lighting were par excellence. The Committee reports were brief and concise."

MINUTES OF THE SEPTEMBER 1991 MICHIANA
GEM & MINERAL SOCIETY

Vice President Bob Miller opened our September meeting at 2:20 p.m. at Westminster Presbyterian Church.

President Heinek and Bob Heinek were in Florida attending a meeting.

Bob Miller asked for minutes from the August ROCKFINDER to be accepted. They were seconded by Paul Stone.

Tom McLaughlin, our club photographer, who took pictures of our show gave a nice presentation of slides. Thanks Tom!

Paul Godollei gave a report on our library. He purchased 10 new books and 2 video tapes. He proposed that a fine should be paid for people who don't return books. Also, a \$1.00 charge will be for video rental.

Several displays were brought in by: Alec Rubenstein displayed mineral and fossil specimens from Southern Indiana. Ed and Marsha Miller showed fluorite specimens and Joyce Larson displayed fire agates. Very nice displays!

Treasurers report was given by Sister Jeanne. Sounds like we had a good show. Bill Crull read another letter from Ron's Rocks who said they were very pleased with everything.

Host & hostesses were: Paul Stone, Gladys Pacholke and Tom Fields. Thanks for the goodies.

Bob Miller gave congrats to Paul Godollei, Marilyn Meier and Ed Miller for their articles printed in the ROCKFINDER that received special recognition.

Paul placed 1st of 60 with a 99.5.
CONGRATULATIONS TO ALL!

Bob Miller asked for a nominating committee. Paul Godollei accepted with Ed Miller as co-chairman. They will present a slate in October for voting in November.

Kathy Miller suggested 2 places for a bus trip this fall. One was the Geodon show at Wheaton, Illinois and the other was Gerald Eddy Geological Center at Chelsea, Michigan.

Please add these new members to your directory:

Larry & Cindy Hess and children -
Brian, Chris and Amy
15358 Kerlin Drive
Granger, IN 46530 (272-5431)

Jerry Goble (Jr. Member)
3450 18 B Road
Tippecanoe, IN 46570 (498-6545)

There were 29 members and 3 Junior members present.

Respectfully Submitted,

Marie Crull, Secretary

OPAL - THE OCTOBER GEMSTONE

A gemstone formed when silica-bearing steam was forced into the crevices in ironstone rock, then mineralized over the ages. Opal is a soft, delicate stone and can range in shades of pinkish-white to deep royal blue. No two opals are completely identical. Most opals are mined in southwestern Queensland, Australia. There is however an Opal mine in the states, Spencer, Idaho.

GEMS OF WISDOM (Compliments of Dr. Harry Raplus, Professor Emeritus-Education Upper Iowa University, Fayette, Iowa 52142 -

"What would life be if we had no courage to attempt anything."

MIDWEST FEDERATION OF MINERALOGICAL AND GEOLOGICAL SOCIETIES

Member of The American Federation of Mineralogical Societies

NEWSLETTER



Published monthly
except
June, July, August

SEPTEMBER 1991 - ISSUE 304

Kitty Starbuck, Ed.
7636 V Avenue East
Vicksburg, MI 49097

Dear Midwest Federation Members:

Now that the 1991 Federation Convention is over, and I sincerely hope a success, I would like to say to everyone that took part, a BIG THANK YOU. It takes a lot of planning, and as you know a lot of workers, to put a show on and have it be a success without too many problems.

The displays were beautiful, and the programs were really the best. We were glad to see so many competitive displays, as we have had so few the last few years. Next year in Ohio, lets have a record for displays.

I have thoroughly enjoyed my year as MWF President, and thank everyone that agreed to serve as committee head and their assistants. The reason the Federation is such a success is the hard workers. So a SPECIAL THANKS TO YOU ALL.

A report on the success of the convention will be coming after I return from the AFMS Convention in Tampa later this month. Also make plans to attend the Fall Executive Meeting to be held in Rock Island, Ill on Saturday October 12th. There will be more on this meeting in the Newsletter, so make your reservations, and plan on attending. We only have three MWF meetings a year, and it is important that you attend and give your officers your ideas and input. If something is not to your liking, let the officers know, that way they will have an idea to work on to keep the federation working smoothly.

As Anne Cook told you at the meetings, the AFMS Rules Committee will be working very hard to finish the work on revising the rules in Tampa. Then hopefully they will be finished and published by 1992. If they are finished, and published, you will use the new book for your entry in Ohio. Not all of the sections have been revised but many have.

A plan to issue it in sections, in loose leaf form, has been proposed, thus allowing only the section changed to be replaced in your future books.

Margaret

OFFICERS 1990 - 1991

- | | | | | |
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|---|--|--|--|--|

PRESIDENT'S MESSAGE.

DON'T FORGET...the FALL MEETING, OCTOBER 12th in ROCK ISLAND, ILLINOIS

SOUTH DAKOTA TRIP

On Thursday, 10-3 at 5:30 in the a.m. my sister and I left the Milwaukee area to spend a long weekend in South Dakota. We both work full time and it is not unusual to take a day or two vacation time and stretch it into travel time, away from home.

Off of I-90 in South Dakota is a town of 24 pop. named Okaton. Billboards along the highway indicate this is a ghost town. I thought it strange to pick up the road atlas and not find this town listed under the state name.

This was actually our second trip to Okaton, having travelled the same highway the first week of June. How fortunate it was for us that I wanted a cup of coffee and pulled off on Exit 183. What we found was a "rock shop" the size of which I had not run across before. Robert Westlake is the owner of this establishment. He has rocks inside, outside - all kinds - all named and what was to be a five minute coffee break (never did get the coffee!) turned into a two hour stay. Mr. Westlake cheerfully cut geodes that we had hand picked, anxious to see the insides. In talking with him, he related that he has been involved in "rocks" for about ten years, coming from Illinois to South Dakota. In investigating a little further I find that he is also a member of the Badlands-Sandhills Earth Science Club, also a Midwest Federation organization.

His establishment is about five rooms in which are displayed all types of minerals and fossils, antiques, and some tourist goodies. One room he advises has a floor that moves at times, indicating there must be some type of fissure under the building.

I have to recommend to all if you are ever travelling I-90 between April 1st and the third week of October that you take the time to stop and visit with the Westlakes. The shop is closed

the rest of the year while the Westlakes head for warmer southwest climates.

Also, closer to Rapid City is the town of Box Elder, S.D. Another rock shop that required two stops this time, in the matter of our four day trip! This shop also is well supplied, a knowledgeable lady who runs it and worth a stop. Box Elder stays open year round.

After a trip through a section of Custer State Park, loaded with 6 lbs. of carrots and purposely looking for the "begging burros" that we did find, we again stopped at Mt. Rushmore to observe what the monument would look like with snow coming down. It was still awesome. On an ending note I must tell you about the man and wife standing on the observation platform and the wife turned to the husband and asked, "Are they done with it yet? Look at all the mess on the ground!" I couldn't believe what I was hearing.

With that, so much for my quick trip. Just remember if you are ever travelling through South Dakota, make a stop at these two rock shops a must.

.....Your Editor..... Joyce

SILVERSMITHS

Draw your jeweler's saw through an old candle. It coats the blade and you can saw faster.

Wipe a piece of chalk over your jeweler's files, it keeps metal slivers from clogging the file and you can blow them out.

(via San Diego Pegmatite and Lodestar 3/91)

A diamond is just a piece of coal that made good under pressure

CONFUSION OVER PHASES OF OUR HOBBY

Are you a new rockhound? Are you confused by the many phases of our hobby and just wonder which earth science suits you best? Perhaps a little vocational guidance will help you make up your mind.

THE HOARDER: Are you a hoarder at heart? Are your closets, attic, and basement bulging at the seams with things you just cannot bear to part with? If the answer is yes, I suggest you become a MINERAL COLLECTOR. Be sure you have at least one empty room before starting, because you won't be able to part with any of your miniatures, and if your hacienda has only one room to hang your hat, micro-mounts are for you. If you have a pack rats personality, you can enjoy collecting beautiful minerals and crystals no matter how limited your living quarters.

THE PERFECTIONIST: Are you a perfectionist? Do you admire the perfect shape and a beautiful polish? If so, you're born to LAPIDARY. No lopsided cabochons for you. They will all come out with perfect contours, and you can be sure your slabs will have a mirror-like polish every time.

LIKE NUMBERS?: Are you good at mathematics? Do you have the touch of a gentle breeze? If so, I may suggest you try FACETING. This is one hobby where a mind with a mathematical flair can whiz through a set of angles that would baffle a lesser Einstein. The results of this hobby are probably more spectacular than any of the other "facets", and also probably more expensive.

HOW ABOUT VARIETY?: Do you find it hard to stick to one thing for long? May I suggest.....

NOVELTIES: You can try polishing flats and then use them for pen bases. Try cabs, and if you tire after a few, make a picture of them. Try a sphere, and if you never get beyond the preform stage, make it into a paperweight.

LEFTOVERS: Do you think LEFTOVERS taste better than the original dish? Then I suggest you try TUMBLING. Just pick up all the leftover rocks around the house and toss them into the tumbler. You'll be surprised at what comes out. Or, are you like a child on Christmas morning? For you I suggest collecting FLUORESCENTS. Each time you look over your collection you will recapture the beauty of a lighted Christmas tree.

FOSSILS: Do you keep a diary? Are you fascinated by history and the records of past life on this planet? If so, you are one to collect FOSSILS. You will find a wonderful pasttime and sermons in bones, collecting the remains of these past earthlings.

Seriously, there are so many avenues to explore in the mineral hobby! In addition, carving, jewelry and weekend mining are all worth a try. You will be wise to investigate them all until you find the one that fits best.

Have fun, and GOOD LUCK!!!!!!!!!!!!!!!!!!!!

(via The Rocky Reader, 3/91- Grit & Sand, 6/90 & The Pica Pick 4/91

ARE YOU AN AIR HEAD? -----

In each hair on your head are microscopic pockets for pigment. But if you're fresh out of pigment, those pockets wind up full of air. So what you get is a gray hair.

(via ESCOMO, 3/91, The Pica Pick 4/91)

NEW VIDEOS IN THE MICHIANA GEM AND MINERAL SOCIETY LIBRARY

V-3 MORE DINOSAURS with Gary Owens and Eric Boardman - Midwich Entertainment.
A fantasy with historical backgrounds showing the origin of dinosaurs. For children,
6 - ?

V-4 SONS OF DINOSAURS, with Gary Owens and Eric Boardman - An imaginary dinosaur egg is
about to hatch, and the exciting drama is acted out. It is not too factual, but is
entertaining for children.

Paul B. Godollei, Club Librarian

LIAISON NEWS - By Paul B. Godollei

The Indiana State Museum is hosting a Fabulous Fossil Festival from 10 a.m. to 4 p.m.
on Saturday, October 26, 1991 at the museum at 202 No. Alabama St., in Indianapolis.
All Indiana clubs are invited to display fossils and minerals. I have volunteered to
take some fossils for display at the show, including several cephalopods, gastropods,
trilobites, corals and brachiopods collected at the Monon, IN quarry in 1960 and 1965.

Anyone interested in going must have their displays ready by 9 Saturday morning.
I am leaving South Bend at 3 p.m. on the 25th and will stay with my daughter overnight
and start back after the show.

ARE YOU AN ACTIVE MEMBER

Are you an active member, the kind
that would be missed,
Or are you just contented that your
name is on the list?

Do you attend the meetings and mingle
with the flock,
Or do you stay at home and criticize
and knock?

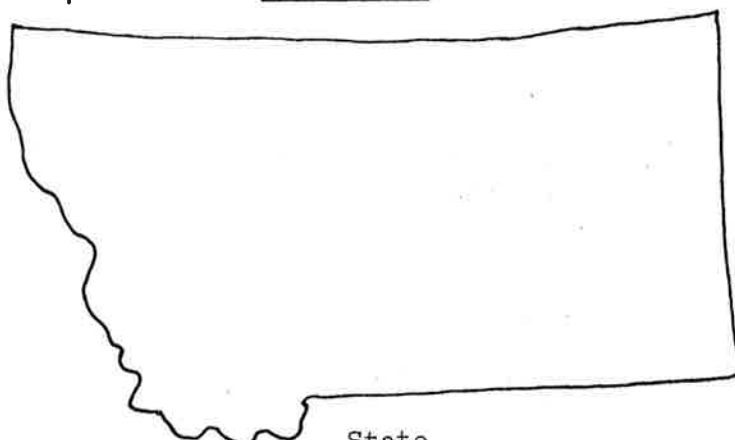
Do you ever go and visit a member who
is sick,
Or leave the work for just a few and
talk about the clique?

Come to the meetings often and help
with hand and heart.
Don't be just a member, but take an
active part.

Think this over, member, you do know
right from wrong.
Are you an active member or do you
just belong?

(from many bulletins & CFMS Newsletter)

JUNIORS!!!



State _____
Capital _____
Specimen BEBULB MUG
EATAG

13.



State _____
Capital _____
Specimen RAMBLE

Come on Juniors and let's
get rolling on the states
again!

THE MONON QUARRY: by Paul Godollei, club member.

I was able to visit the Monon, Indiana rock quarry in 1960 and 1965. It was closed several years ago and is now surrounded by a fence and appears to be used as a storage yard filled with old trailer bodies. A new rock quarry has been opened across the road, but I don't know if it is open to collectors.

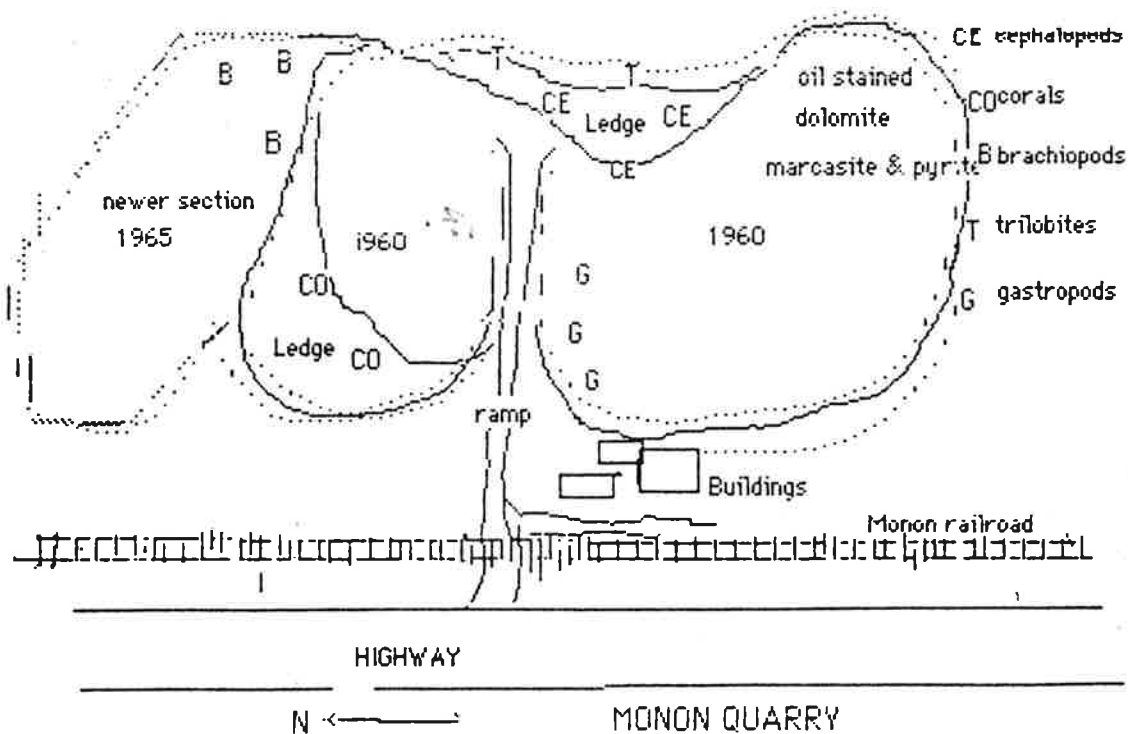
On my first trip, I obtained permission at the office and walked down the long truck ramp into the quarry and walked to the Southeast end where blasting was in progress. I picked up some oil-stained dolomite containing some nice marcasite and pyrite crystals. At the west side of the quarry at the south side of the ramp, I found some nice gastropod casts.

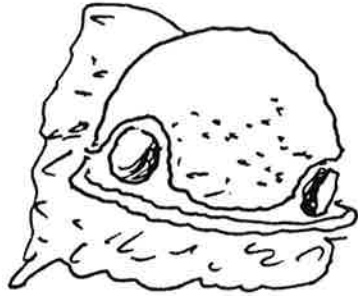
On the ledge facing east from the ramp, I found several large cephalopods and two trilobites. At the north end of the quarry I found several brachiopod casts, including some nice Pentramites casts. On the high ledge at the North end of the quarry, I found several Favosites impressions and other coral specimens, more crystals and some unidentified fossils that looked like the insides of a cephalopod.

On my later trip in 1965, I found many brachiopod casts in the new north section, and more cephalops and gastropods where I had found them before. On returning home I was able to identify the two trilobite specimens as *Sphaerexochus romingeri*, the corals as *Synaptophyllum multicaule*, *fletcheria guelphensis*, and *Favosites*. Some very nice casts of the exterior of the gastropod *Loxoplocus* contained large crystals of marcasite. Other gastropods were *Pleurotomaria*, *Sinuopea*, and *Oriostoma*. Some very interesting cephalopods of large size were found, including *Treptoceras*, *Protokianoceras*, *Mandaloceras*, *Phragmoceras*, *Cyrtorizoceras*, *Hexamoceras* *Diestoceras indianense*, *Ryticeras*, *Graftonoceras* and *Michilinoceras*. I consider myself very fortunate to have been able to explore the quarry before it closed.

I have drawn a map showing where I located the specimens.

Bibliography: Shimer and Shrock; Indiana Geological Survey, 28th Annul Report, 1903.

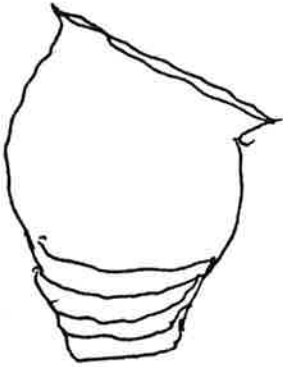




Sphaerexochus ramisgeri HZ
Trilobite 1-6



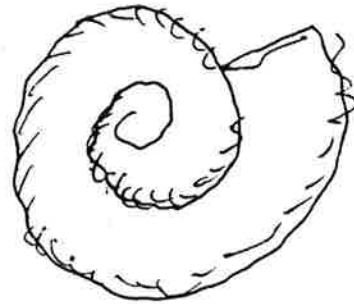
Hexamoceras
Cephalopod



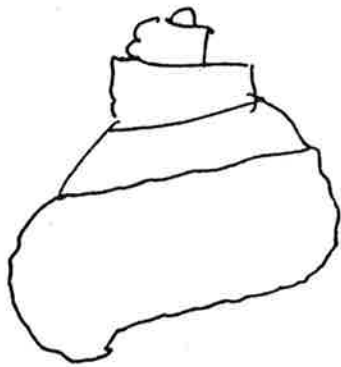
Cyrtorizoceras
Cephalopod



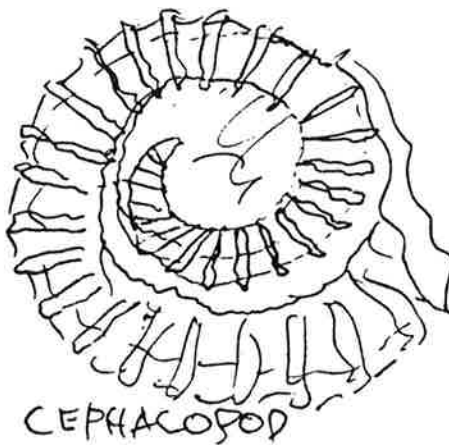
Pentamerus
Brachiopod - cast
of interior



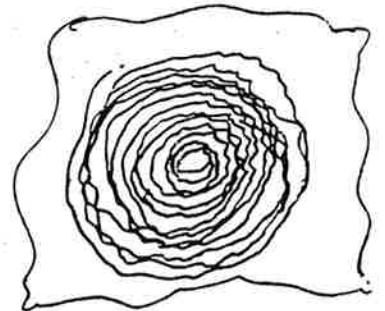
Pleurotomaria
Gastropod cast



Murchisonia
gastropod



CEPHALOPOD
2-
Lituites



Oristoma operosum
natural mold

"Rounded convex rhomboid with lenticular cross section"

is one of the many beads shape descriptions you won't find in this word search. However, if you look, up, down, backwards or diagonally you can find the bead shapes listed below.

annular
oblate
spherical
ellipsoid
barrel
cylinder

tube
cone
bicone
lenticular
pentagonal
collared

segmented
toggle
cross
rayed
cog
spacer

lozenge
diamond
melon
fluted
pyramid
cube

pear
convex
spool



(via - BIG ROCKS TRADER)

Scattered Beads

Listed below are scrambled bead Materials. These materials are commonly used to make beads.

RLSEAP
NYCLHEA OCD
TEGAA
PREAJS
LSLHES
ASLSG
YRVIO
MARBE
NEBOS



answers:

(via - BIG ROCKS TRADER)



GEMSTONES
BONES, TEETH,
GLASS, IVORY, AMBER,
AGATE, JASPER, SHELLS,
PEARLS, CHALCEDONY,