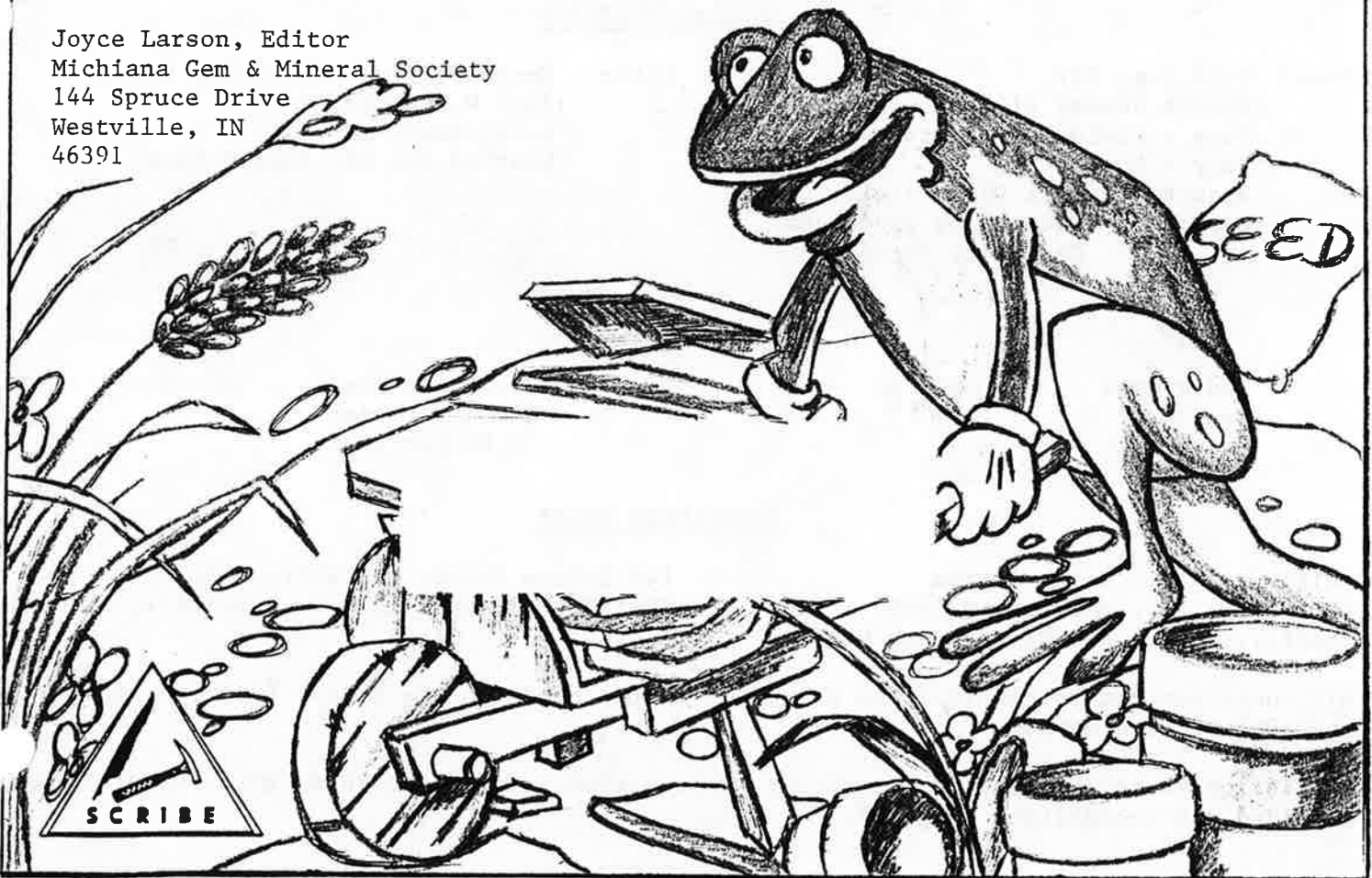


# THE ROCKFINDER



Joyce Larson, Editor  
Michiana Gem & Mineral Society  
144 Spruce Drive  
Westville, IN  
46391



MICHIANA GEM AND MINERAL SOCIETY

1993 BOARD OF DIRECTORS

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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 Drive, 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.

# THE ROCKFINDER

VOLUME 33  
NUMBER 5

MAY 1993

PUBLISHED BY:  
MICHIANA GEM &  
MINERAL SOCIETY

MEETING: May 23, 1993  
Doors Open - 1:30 p.m.  
Meeting at - 2:00 p.m.

PROGRAM: 3-D Slide Program of Macro  
Photography of Minerals from-  
Marshall Gordon of Central  
Michigan Lapidary and Mineral  
Society.

PLACE: Westminster Presbyterian Church  
1301 W. Cleveland Road  
South Bend, IN  
West of the St. Joseph River

MAY BIRTHSTONE: "Emerald"

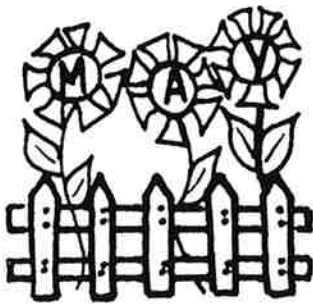
HOSTS: Pam Rubenstein  
Rose, Marion & Kevin Klodzinski  
Mary Evelyn Miller

A rich green variety of beryl prized as  
a gemstone. Did you notice how the  
jewelry stores were advertising the  
"Emerald" as a great Mother's Day gift?

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## HAPPY BIRTHDAY & ANNIVERSARIES

### JUNE.....



- 6 Sue & Tom Fields - Anniv.
- 9 Catherine McHugh - Birthday
- 12 Jessie Zieger - Birthday
- 15 Marge Collins - Birthday
- 25 Dawn & Jim Cytacki - Anniv.
- 28 Mary Evelyn Miller - Birthday



### Junior Members

- 14 Brian Hess - Birthday
- 21 Elizabeth Jordan - Birthday

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## CALENDAR OF EVENTS:

Memorial Day Weekend Show  
Wheaton, Illinois  
DuPage County Fairgrounds,  
2015 Manchester Road

### June 18 - 20

Show/Swap  
Monroe County Fairgrounds  
Bloomington, Indiana

### June 20

Joseph/Lincoln Senior Center  
2945 Niles Avenue  
St. Joseph, Michigan

## IS IT REAL?

To those receiving a proposal of marriage  
today, the following guide may be of help  
in distinguishing a real diamond from a  
CZ (Cubic Zirconia).

1. CZ doesn't have the sharp edges of  
a diamond.
2. A line drawn on a sheet of paper is  
visible through CZ, but not through a  
diamond.
3. CZ will be transparent if dropped in  
water; a diamond will remain visible.
4. Take it to a jeweler.

(-via The Petrified Digest, Pegmatite &  
Rock Chips)

MINUTES OF THE APRIL 1993  
MICHIANA GEM & MINERAL SOCIETY

President Heinek opened our regular meeting. New members, Jimmy and Zella Crump were introduced and welcomed. Several past members who recently re-joined were welcomed back. The March minutes were accepted as read. The treasurer's report was accepted and filed for audit.

Committee Reports

Program - Today's program will be an auction. If you have any suggestions for future programs, please let Larry know.

Education - Paul Godollei's next fossil class will be in three weeks at his home. The topic will be fossil cleaning. Gordon Dobecki is conducting a beginners class on Wednesdays.

Historian - Ed Miller will need help identifying people in photographs. He will bring them in to meetings for our help.

Old Business

Insurance for club members through MWF is \$1.50 per person. We will look into this option, as it may be more economical than the insurance we currently have.

Joyce Larson is doing a terrific job on the Rockfinder! We all applaud her for her dedication.

There were 680 in attendance at the April show, with zero profit. However, since vendors are willing to come back next April, the Heineks and Crulls are willing to try again. The club made a small profit from the kids' corner, although more volunteers would have been nice.

We still need samples for the "Juniors" project. Call Pam Rubenstein (291-6547) if you have materials to donate.

New Business

Information on the Houghton, MI meeting-tour was given out. If you still need a packet, contact Margaret.

It was moved and passed to buy \$25.00 of new material for the kids' corner for the September show. Kathy Miller will do the shopping.

Bill Crull will look into South Bend locations for the August picnic. The date this year will be August 22, after the MWF show.

It was moved and seconded to have this year's Christmas party at the Country Buffet on Grape Rd. The club will most likely help with the cost. The party will be Sunday, December 5th at 3:00 pm. Further details will follow.

Our new roster is ready for distribution. Thanks go to Larry Hess for his work in preparing it and for donating the printed booklets to the club. There's a nice addition to this year's roster, too: A complete listing of our library material. Great job, Larry!

Our next field trip will be June 13th to a cubic zirconia manufacturer in Shelby, MI.

It was seconded and passed to buy a new machine for making name tags.

47 members and 5 junior members were present. Everyone had a great time at the auction.

Respectfully submitted,

Pam Rubenstein

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If you are thinking a year ahead,  
sow a seed.  
If you are thinking ten years ahead,  
plant a tree.  
If you are thinking one hundred years ahead,  
educate the people.  
(-via Flint Flashes, Pegmatite & The Lith-nics)

MARGARET'S COLUMN

This will be a short column, as we have bored you with the story of The Heinek Family. (See Page 8).

Just a report on our June field trip, which will be held June 19th to the C Z Factory in Shelby, Michigan. We will not hire a bus for this, but will car pool. Some of the members have been there and it is an interesting plant. If you are interested, please let me know and we will see if there are some that would like to ride together. I will have maps for anyone interested at the May meeting.

Our August picnic will be held at Clay Park in the South shelter on August 22nd. Clay Park is located on Laurel Rd., off of Darden. More about this in June,

The plans are well underway for our annual Labor Day show, and we would like to have you plan on your displays and how and when you will work. If at all possible, we would like everyone of our members to help in one way or another, so the burden does not fall on just a few of our shoulders. Every club member benefits from the profits of the shows, so it is only fair that you help.

As you know, next year at our annual show time, we will host the Midwest Federation Convention again. Now, I would like to have volunteers to help plan this event. We will need items that can be given at the luncheons and also at the banquet. I know there are talented people that are members, and they will have ideas of things to make. Will someone come forward and say they will be chairman of this committee? Others in the club will help, and we can have a work session to make things. Bob Miller will be display chairman; Marie Crull and I are planning the meals; Bill Crull is dealer chairman and Bill and Bob Heinek will take care of setup; Bob Heinek will act as treasurer and registration chairman for this event, taking the pressure off of our treasurer's shoulders and Kathy Miller will be in charge of the entrance table. We need someone that will be chairman of the club booth, the Kiddies Wheel and someone to work the Silent Auction for one day. Each chairman will be responsible for getting their committee members, and seeing they have someone there at all times.

Don't sit back and not volunteer!  
We need you! And, the earlier you get busy on your committee, the easier it will be on all.

*Margaret*

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A CASE OF IDENTITY.....

The minister was making his weekly visit to a nursing home. This one day to strike up a conversation he asked the patients, "Do you know who I am?" Well, things were going quite well then he came to an elderly gent sitting in a wheel chair. "Do you know who I am?" the minister asked. The elderly gent said he didn't but, "If you go down the hall to the desk, they'll tell you."

(-via M.M.S. Conglomerate)

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Some of our "Exchange Bulletin Editors" have wondered, how being an Indiana Club did I get their names and locations in order to exchange our bulletins.

I'll now tell all. You see in my travels back and forth on vacation trips and visiting my offsprings who live elsewhere in the country, there were certain towns and areas that remained vivid in my mind. When I first received the "Scribe" roster of clubs I read through the countless clubs throughout this great country, A lot of the clubs I added to our exchange list are "my favorite spots".

I love the burros in the Black Hills area --- waterfalls that thunder in the Wenatchee area, the Oregon coast, the Sonoma, CA area and the shop where I spotted a coat that should have come back to Indiana with me but didn't. I'll just have to make another trip. Mr. Ranier, San Antonio - I could go on and on about these special places. Thanks to "Scribe" - that's how I got your addresses - and thanks to all of you editors - some great bulletins.

WHAT DO YOU THINK HAPPENED TO ALL OF THE DINOSAURS? Submitted by Bill Crull-Club Member

JUST FOR KIDS!

Every day, paleontologists, the scientists who study ancient forms of life, make new discoveries. A new dinosaur or "terrible lizard" (that's what the name dinosaur means) is discovered almost every seven weeks. Some of these belong to a family or species of dinosaurs we already know about.

But sometimes paleontologists discover a completely new dinosaur that has never been uncovered before. Paul Sereno, a paleontologist who works at the University of Chicago, recently told the world about a discovery he made.

Although he discovered this little dinosaur in Argentina in 1991, he has had to spend many months studying his find in order to tell the world all about it.

He named the new dinosaur "Eoraptor." He took the name from the Greek goddess of the dawn, Eos, and the Greek word for thief. Sereno thinks that Eoraptor, who was a meateater, probably had to sneak around and steal his dinner from larger animals while they slept. Maybe he even stole the babies when the mother wasn't looking.

Eoraptor weighed about 25 pounds and was only 18 inches high, just about the size of a middle-sized dog. Why is this little dinosaur, Eoraptor, so important? Because he is the great-great-granddaddy or oldest relative of many of the dinosaurs we know.

For example, the great Tyrannosaurus rex lived 150 million years later. Tyrannosaurus weighed as much as 50 tons and had teeth that were six inches long. Just think, three of his teeth piled on top of each other would be the height of Eoraptor.

Scientists say that dinosaurs first appeared on the earth about 230 million years ago. Eoraptor is probably 225 million years old. All the dinosaurs are gone now, but Eoraptor left some relatives that we know. If you had a turkey for Thanksgiving, you were eating one of Eoraptor's modern relatives.

One of the mysteries about dinosaurs that scientists haven't solved is what happened to them. They were on the earth for 165 million years and then they seem to have disappeared suddenly.

Ants, cockroaches, clams and oysters were around at the time of the dinosaurs, and they are still around. What happened to the dinosaurs? Maybe some day you will find the answer.

For now, scientists have several guesses about what might have happened. Some think that a giant comet smashed into earth from the sky. This asteroid would have formed a huge crater. The dust it kicked into the atmosphere would have created clouds and cold weather all over the world. A huge comet is said to have landed in Mexico about 65 million years ago, just about the time the dinosaurs disappeared.

But many scientists aren't satisfied with this answer.

Some think that all the changes that took place on the earth, splitting one large land mass into the many continents we know today was responsible. Scientists say there were 400,000 years of huge volcanos erupting, mountain ranges appearing, and the large waterway that once went through the center of our continent disappeared. Those changes in the climate could have harmed the dinosaurs.

continued page 5.....

Continued from page 4 - DINOSAURS - JUST FOR KIDS!

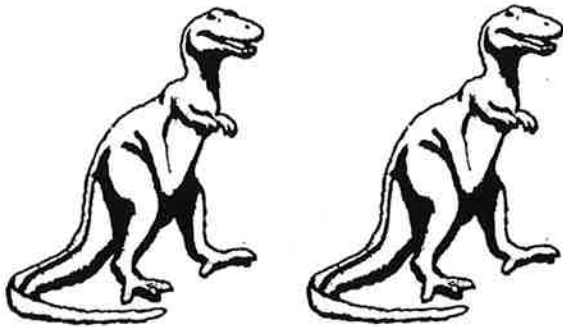
Maybe some virus was spread like our flu bug. It could have been serious enough to kill the dinosaurs. Or maybe some early small mammals, relatives of rats and raccoons, could have become numerous and eaten the dinosaur eggs.

What do you think? If you decide to be a scientist when you grow up, there are still many mysteries for you to solve.

(-by Joan Monahan, Teacher and Writer  
Published in "The Ledger"  
Winter Haven, Florida 3/7/93)

Sources:

The First Dinosaurs - Dougal Dixon, 1987  
 Dinosaurs Walked Here - Patricia Lauber  
 1987  
 Dinosaurs - National Geographic, 1-93  
 Scientists Find - C. Marquis, the Miami  
 Herald  
 Dinosaurs ..Asteroid - The Ledger, 8-14-92  
 Newsweek - Nov. 23, 1992, p. 70  
 Science News - Richard Monastersky,  
 1-23-93, pp. 60-62



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JUNIORS' PROJECT

If any juniors are no longer interested in this project, we would appreciate it if they would pass their collection on to new junior members. This will save a lot of time and cost. Just bring your poster and rocks to a meeting or call Pam at 291-6547 and she will arrange to pick everything up.

We still need samples from the following states:

- |             |               |              |              |
|-------------|---------------|--------------|--------------|
| Alabama     | Idaho         | Nebraska     | Rhode Island |
| Colorado    | Maine         | New Jersey   | So. Carolina |
| Connecticut | Maryland      | No. Carolina | Tennessee    |
| Delaware    | Massachusetts | No. Dakota   | W. Virginia  |
| Hawaii      | Mississippi   | Oklahoma     | Wisconsin    |

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SO YOU WANT THE DAY OFF? LET'S TAKE A LOOK AT WHAT YOU ARE ASKING FOR --

There are 365 days per year available for work. There are 52 weeks per year in which you already have two days off per week, leaving 261 available for work. Since you spend 16 hours each day away from work, you have used up 170 days leaving only 91 days available. You spend 30 minutes each day on coffee breaks that accounts for 23 days each year, leaving only 68 days available. With a one hour lunch period each day, you have used up another 48 days leaving only 22 days available for work. We offer 5 holidays per year, so your available working time is down to 15 days. We generously give you 14 days vacation per year which leaves you only 1 day available for work and I'll be darned if you're going to take that day off!!!

(-via Quarry Quips)

MY TRIP TO TEXAS - by Catherine McHugh - Club member

The storm was threatening snow - lots of it! - in South Bend, so Kathy called to get me on an earlier flight to Texas. Little did Kathy know that the snow was already in Chicago, and would delay my flight by more than an hour. By the time I reached San Antonio, it was almost midnight for me. Margie had fallen asleep in the airport and was afraid she had lost me. The relief on her face was comical when she saw me come off the plane. She has a talent for finding the longest way from one place to another; it was after 1:00 a.m. when we finally found our hotel.

The next morning we toured San Antonio. Our hotel was next door to the Alamo, but we had visited that landmark on a previous trip. We took a guided tour around town in a replica of an old trolley car. What an old and historic city it is - and very beautiful. San Antonio is the 10th largest city in the U.S. and a wonderful ethnic mix, reflected in the people, the styles of clothes and buildings, and the food. After lunch, we went back to the hotel to shed some unneeded sweaters, and here was a message from Pat - 23 inches of snow in South Bend! Here we were, enjoying the birds and flowers and warm sunshine.

We spent the afternoon at the San Antonio Botanical Gardens. I think we covered 30 of the 33 acres. A lovely place, with a larger area devoted to native Texas vegetation. There is also a glass covered, sunken complex with different buildings for palms, tropical and desert plants, even one for ferns. We were about a month early for most of the flowers, but it was still a warm and interesting visit.

After a rest at the hotel to listen to the weather in the midwest, it was time to hit the famous San Antonio Riverwalk. After a flood a few decades back, the city fathers decided to enclose and cement over the San Antonio River and historic canal system downtown. The city mothers staged a "flat-in" and convinced the city to enhance the area with wide pathways, lights, and buildings that would front onto the Riverwalk. The result is one of the city's biggest commercial and tourist areas, bringing in millions of dollars yearly. And it is fun! We were there the evening of Shrove (fat) Tuesday, the day before Lent starts. The Riverwalk was one big party. There were bands at the restaurants, and bands and dancers on decorated floats on the river. Besides the shops, there were art displays and merchants in booths lining the walk. Everyone was having a loud, profitable, and fun time. We ate outside along the river at a place that specializes in seafood. I had delicious gumbo, and Margie finished off a bucket of chilled shrimp. We were so tired, but could not go back to the hotel right away, so strolled along with the crowds and enjoyed the evening.

The next day we headed for Jim and Barb's home in Rockport. We headed for the historic town of Victoria, which has a wildlife park with native Texas animals. We never found the park, but did follow the historic town tour, passing huge victorian and spanish style mansions. Victoria was a shipping center, with railroads and barges, besides cattle ranching. It is still a lovely town, and working hard to renovate the older districts.

The countryside between towns is flat and covered with short and scrubby vegetation - cordgrass, live oak, mesquite, and creosote. The small towns and outlying farms and ranches look abandoned. We couldn't determine if they were truly abandoned, or if this was the Texas lifestyle. Probably some of each. The state is recovering from the fallen oil, and cattle economies, and the S & L disaster, but the towns look healthier than they did three years ago. Still, we were amazed at how many "for sale" signs are seen everywhere.

Continued page 7.....



Continued from page 6 - MY TRIP TO TEXAS

The next day was warm but threatened rain. But Margie, Barbara and I headed for the famous Aransas National Wildlife Refuge. The storm hit while we were on the highway. It rained so hard and was so black that we had to pull off the highway. Barbara kept an eye out for tornadoes. Luckily, it blew over and we enjoyed a 16-mile drive through the Refuge. The Refuge is over 54,000 acres of grasslands, tidal marshes and ponds. We saw white-tail deer enjoying the break in the rain. There were many migratory birds, including egrets, ducks and white pelicans. We even saw three armadillo rooting for food next to the road. Margie was excited-she had never seen one before. They look like Piglet with armor.

We walked out on a pier to one good-sized pond looking for birds, but saw instead in the black water a 5 foot alligator, quietly lying at the foot of the pier and staring at us. Barbara looked out over the water and saw another swimming quickly toward us. It was much larger, between 10 and 12 feet long. The smaller one moved toward it. Will they fight, we wondered? But no, they greeted each other and gave alligator caresses. The smaller one laid its head on the other's back and sighed. It is hard to imagine affection between such prehistoric looking beasts, but it was certainly evident between these two. The sounds they make are like old VW Beetles starting up on a cold day. Very interesting to hear alligators converse.

That night we had a good appetite for gulf red fish and trout, and good conversation. My grandson Mark was teaching a Navy class in Corpus Christi all week, and stayed at Jim and Barb's too. How wonderful to have family gathered together, even so far from Indiana.

The next day was warm and breezy. Margie, Barb, and I headed for the Rockport dock and the Whooping Crane boat tour. The water side of the Refuge, but it was certainly worth it. There are only 138 Whooping Cranes in Texas, and only a few more in the world. We saw at least 10% of the population, in pairs or alone. They are pure, shining white, with long graceful necks and black faces. "Whoopers" stand 5 feet tall, with a wing span of 7 feet. And they do whoop! We got to hear one male asserting his claim to his nesting area. We also saw countless coots, grebes, herons, cranes, egrets, terns, spoonbills, and of course, the gulls. The gulf coast has many types of gulls, including the laughing gull. They followed our boat for the entire trip, laughing all the way. The sun came out on the way back to port. Margie dozed off on deck, and has a spectacular red nose to explain back in Washington.

Mark had to fly home on Saturday, but we all wanted to visit the University of Texas Aquarium in Corpus Christi before we left. So we left Rockport early and headed to the city, following the causeway between the bay and inland waterway. On one side we could see the aluminum plants with their miles of tailings stretching along the water. On the other side were oil refineries as far as we could see. People were fishing everywhere, off piers, boats and the shore. I couldn't help but think about toxic waste and its concentration in the fish.

The Aquarium is new and still growing. It features fish and sea life indigenous to the gulf coast. The display tanks are huge, & I felt eye-to-eye with groupers, sharks and moray eels. There are even tanks in the ceiling, so fish swim over your head as you walk along. All too soon it was time to leave and put Mark on the plane. We drove home the long way over the low barrier islands of Padre and Mustang. It was windy and desolate looking; we were not tempted to hunt for shells or wade in the choppy water. Maybe next week.....

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LAPIDARY - Someone who grinds his fingernails, sands his knuckles, and polishes his vocabulary while trying to do the same thing to a piece of agate.

(-via Flint Flashes and Gulfport News)

MEMBER PROFILE - #1BOB & MARGARET HEINEK

Bob, born in Chicago, the youngest of 3 boys, worked as a bookkeeper before the Army drafted him in 1942. At that time he was attending the Chicago Academy of Fine Arts. When he returned from the service, he worked in his art teacher's studio.

Margaret, an only child, was born in Asheville, N.C. and after graduating from high school, worked for a furniture store cutting slipcovers. On a visit to Chicago, Christmas 1939, applied for a job at Marshall Field & Co. Jobs were very hard to find, so everyone thought it was a waste of time and she would not get the job. The job came through on Jan. 20th, with the pay of \$10.00 a week. This was for a 40 hour week, but if I could cut a sofa and two chairs in one day, there would be a bonus of 25¢ each for more chairs. One of the first cutting jobs was slipcovers for Deanna Durbin's muslin covered chairs and sofas (she had been a teen-age movie star during the 1930s). I also cut slipcovers in the home of Jane Wyman, the first wife of Ronald Reagan. As Fields had a certain way covers were to be cut, I was taught by a woman who had worked for Fields for over 50 years. By 1942 I had become an assistant buyer in the slip cover and drapery material department. This was when I got the urge to attend the Chicago Academy of Fine Arts to study decorating, where I met Bob, just before he was drafted.

Bob was stationed in Wyoming, Oregon and Utah. In July 1943, on his first furlough home, we were married. In October I joined Bob in Portland, Oregon. In February 1944 he was sent to Bushnell General Hospital, Brigham City, Utah as cadre and stayed there until he was discharged in 1946. Our son Don was born during this time. We returned to Chicago, and Bob went to work for his art teacher. Having lived in a small town in Utah, we were unhappy with the hassle of a large city. On a visit to Hudson Lake in 1947, Bob applied for a job at Wilson Bros. as a bookkeeper. He worked for them until the plant was closed in South Bend; he then went to work for Bendix in their Automotive Service Division.

Our 2nd son, Rob, was born in South Bend. As he grew up he was a "rock-hound", and spent most of his time in the water of Hudson Lake. We attended the Michiana Rock Club's first show, and later joined the club. In those days there were many areas where rockhounds could hunt for rocks and fossils. As most know, we have leaned toward a collection of petrified wood and other fossils.

Margaret has held offices in the Midwest Federation as Rules Chairman and President, and is currently Senior Regional Vice-President in the American Federation. Bob has served as President of the Michiana Gem Club and is currently Indiana State Director for the Midwest Federation. Margaret was the second editor and Bob was "artist" for the Rockfinder. She has been Secretary and is currently President of the Society.

We have 4 grandchildren, 2 girls and 2 boys. All of them live in Georgia. Don's children are girls: The oldest is in her first year in Veterinary School: The youngest has just become a teenager. Rob's sons, Michael and John, were members of the club, until they moved to Georgia with their mother.

Margaret has several hobbies, one of which is bowling. This is the 38th year at the same alley in New Carlisle. Another hobby is genealogy and she has served as a non-member family researcher in the South Bend Stake Library of the Mormon Church for 8 years. As a member of the Schuyler Colfax DAR for over 25 years, she has just been elected Regent. Both of us have worked with the St. Joseph Co. 4-H'ers for about 16 years, as teachers and Fair superintendents. We have judged weather and geology in several counties in Indiana.

Bob has several talents and hobbies. He teaches china painting to several students on porcelain dolls. He pours the molds, cleans and fires the dolls and also paints some.

(-continued page 9)

BOB AND MARGARET - continued:

He has also done the geneology on his father and mother's families, both of them born in Hungary. His father's lines goes back into Germany about 1700, when they sailed down the Danube in "Boxboats" into Southern Hungary. Bob is also an artist! While in the service in Utah, he painted a water color scene of a tenement building for which he won Honorable Mention in the Army Arts Contest. The painting hung in the National Art Gallery in Washington for six weeks, and has been printed in a book. He has cut and polished cabochons, has done faceting and some silver work. Margaret has also done these, as well as learning filigree. We are both members of the Midwest Faceters Guild and the "Rollin" Rock Club of Texas and All Other States and Countries in the World and Outer Space". We were also members of the Paleologgers (a group of petrified wood enthusiasts in the North-West) until it disbanded a few years ago.

We operated a hobby ceramic studio for a number of years and now confine ourselves to porcelain and dolls. All of this happened as a result of our meeting on a date while students at the Chicago Academy of Fine Arts!

Now you know about us, how about telling about yourselves? Hope you have not been too bored!

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Thank you Bob and Margaret. My turn to pick on our next member(s) Sister Jeanne - we go to press on the 10th of the month!

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INDIANA FOSSIL COLLECTING SITES: bu Paul Godollei, club member.

Part 1

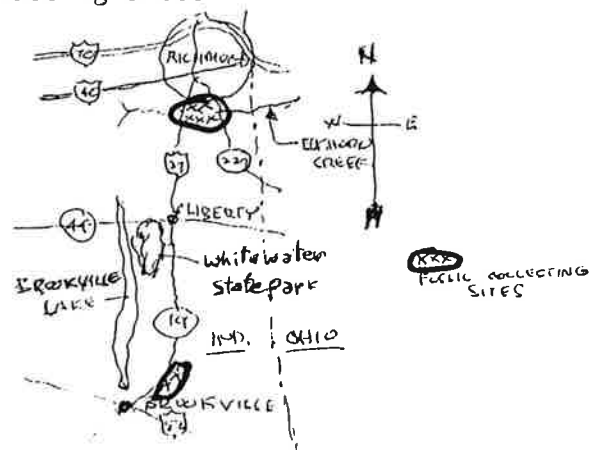
ORDOVICIAN FOSSILS - There are four miles of Ordovician fossil exposures along Elkhorn Creek south of Richmond between Liberty Pike and Indiana 227. Liberty Pike crosses Elkhorn Creek 5-1/2 miles south of Richmond. Highway 227 is about 2 miles southeast of So. Richmond in Wayne County. More Ordovician fossils can also be found north of Brookville on the east side of Route 101.

marine Ordovician fossils, especially bryozoas.

The old Railroad cut between Weisburg and Guilford in Dearborn County used to be easy picking for tons of Ordovician fossils, but the sides are now overgrown and it is more difficult to find the trilobites and cephalopods. They are still there though! In 1960 a man found a complete Isotelus trilobite over a foot long!

Another favorite fossil area is the river bluffs near Madison. The Ordovician marine fossils occur in road cuts along Hwy. 7 where the road clumbs the Ohio River bluff northwest of Madison in Jefferson County. Other cuts along Hwy. 62 west of Madison reveal honeycomb corals opposite the power plant. The steep Pennsylvania railroad cut west of Highway 7 yields trilobites-brachiopods and cephalopods. It is also overgrown. Don't go alone. The road cut up to Clifty Inn has some nice fossils on the east side at the curve in the road, but there is no place to park. You have to walk from a narrow stopoff.

BIBLIOGRAPHY: Adventures with Fossils by Robert H. Shaver Ind. Dept. of Conservation, Geological Survey, Circular #6, 1959, lists 34 collecting sites.



Road cuts along the east side of Indiana 56, 3 miles south of Rising Sun, Ohio County, have yielded many species of well preserved

INDIANA FOSSIL COLLECTING SITES: by Paul Godollei, club member

Part 2

**SILURIAN FOSSILS:** Silurian reef fossils can be found in Carroll County new Delphi. The reefs are also exposed on the banks of the Wabash River between Huntington and Delphi. Trilobites and cephalopods have been found in the reef structures. Look in cuts, quarries and natural exposures.

The old quarry on the northwest side of Indiana Hwy. 46 at the southwest edge of Hartsville in Bartholomew County is another place to find good Silurian fossils. The roadcuts on the southeast side of the highway has fossils in the gray-blue shale, too. Look between the two limestone layers for the blue-gray shale fossils layers.

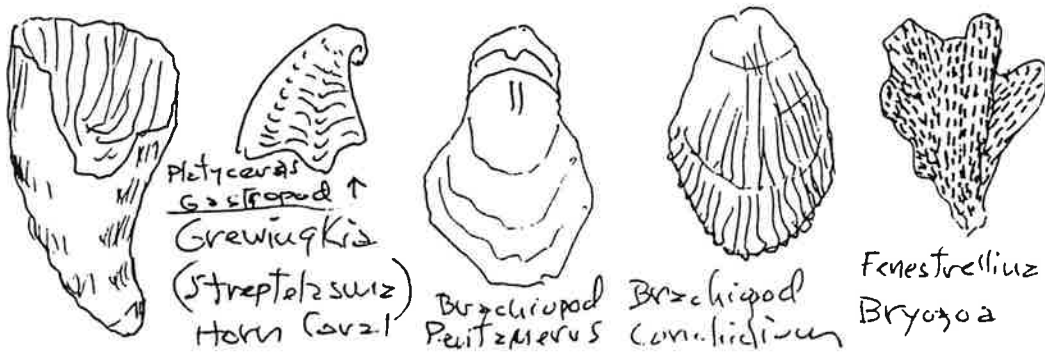
The same shale can be found in southeastern Shelby County near St. Paul, Indiana. A secondary road out of St. Paul going south-southeast leads along a creek. Keep to the right at the road junction 0.5 miles south of town. A roadcut one mile further along this road exposes the fossiliferous shale.

The Erie Stone Co. quarry near Huntington also has Silurian fossils, but they are hard to extract. Take a hard hat and go to the office and sign a release form. They will only let you look in the dump area, but it is a mile long and almost a hundred feet high on a secondary road to the west. Chain and honeycomb corals are abundant. It is located one mile east on US 24 from the Erie Railroad tracks in Huntington, South on North Broadway, after 0.5 miles turn on Sabine Street and it leads to the quarry on the left.

The Stuntz-Yoeman quarry 0.8 miles northwest of Junction Ind. 25 & 39, just east of 39 west of Delphi in Carroll County has a coral reef with fair fossils in it.

The old France Stone Co. quarry two miles east of Logansport in Cass County has been turned into a county fair grounds, and the fossils are hard to find. The lower levelled area on the north side seems to have better promise of fossils. The Silurian is below, with Devonian limestone containing corals in the upper part at the southeast end of the quarry.

**BIBLIOGRAPHY:** "Adventures with Fossils" by Robert H. Shaver, Indiana Dept. of Conservation, Geological Survey, Circular #6, 1959, lists 34 collecting sites. "Midwest Gem, Fossil and Mineral Trail", Great Lakes States, by June Culp Zeitner - Gem Guides Book Co. Pico Rivera, California - 1988.



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**GOOD NEWS!!** A bid has been made and accepted for the 1994 MWF Convention. Let's see if you can guess.....South Bend has MORE in '94! You're right, it's back to So. Bend, IN, again. The Michiana Gem and Mineral Society with just a short preparation time has volunteered willing hands and hearts so that a MWF Convention WILL take place in 1994.

(MWF NEWSLETTER - May 1993)

See that frog on the cover. To me, hearing them croak in unison is the 1st sign of "Spring"