

JUNE - JULY 1991

THE ROCKFINDER



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



FIRST CLASS MAIL

LARSON, JOYCE
144 Spruce Drive
Westville, IN 46391

Midwest Federation
Convention
Hosted by The Michiana Gem & Mineral Society
August 30-31-Sept. 1, 1991
South Bend, IN



Joyce - Please try to be at the picnic. We need to plan the Editor's lunch!

UPCOMING EVENTS

August 9, 10 & 11, 1991
Midwest Faceters Guild
Seminar.....

If you are interested in attending, let Bob know and he will give you a registration form. Cost \$30.00 per person. It will be held at Mt. Clemens Community Center Mt. Clemens, Michigan.

Midwest Federation Convention
August 30, 31 & Sept 1, 1991
Century Center, So. Bend, IN
Hosted by Michiana Gem & Mineral Society.

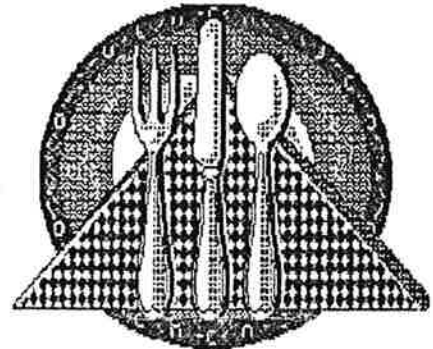
AFMS CONVENTION-
September 19-22 1991
Tampa, Florida

HAPPY BIRTHDAY TO YOU ALL...



JULY - RUBY

AUGUST 4TH PICNIC
LAKEVILLE CONSERVATION CLUB
LAKEVILLE, INDIANA



DINNER 4 PM, INDIANA TIME

COME AND ENJOY!!!

Bring a dish for each 2 members of your family, to share. Club will furnish meat, rolls, cold drink (lemonade tea).

BRING YOUR OWN SILVERWARE AND PLATES.

If you prefer coffee, suggest you bring your thermos.

WE ARE LOOKING FORWARD TO SEEING YOU YOU'ALL COME!!!

well taken care of, but I have not heard from the members about their displays. We must know how many, what size and what you are going to display!!! Bob has been working on the plans for the setup, where we will have the displays, dealers, demonstrators and the club booth. Bill has approved the dealer setup, Bob Miller has Ok'd the demonstration area, and as I said before, we must know how many displays we will have.

We want to really show off to our guests from the Midwest Federation, as well as our other guests, our collections, (you are proud of them) so show them off!! We have been promised 2 outstanding displays from museums, and hope to have more. So come on folks, let us know about your displays.

Harold McClure, the MWF 1st Vice-President, passed away early June. I have worked with the Executive Committee to find someone qualified to finish his term and then to run for the 1991-92 President. Kathy Miller sent his wife, Fern, a sympathy card from the club.

If you are interested in used equipment and supplies, you might contact the following: Clarence Bates (272-7555), 44635 Maple Lane Ave., So Bend. He has the following: Grinder, sander, polisher: Elec. recycling pump: Lortone trim saw (8x.32): Lortone tumbler: 10" vibrating lap: Miscellaneous supplies, books, finished cabs, etc.

Mark Goddard (616-683-2379) 3190 Portage Rd, Niles did have some rock, findings, machinery and sundry other items. These items were owned by Dorothy Riordan, the first editor of the ROCKFINDER. You might call Mark to see if everything has been sold.

If you were unable to attend our June field trip to the Gemstone Factory, you missed an interesting trip. There were 23 in attendance, and Mr. and Mrs. Kelley were very pleasant hosts. We toured the workroom where they manufacture the Yag, CZ and manufactured diamonds. We viewed a film on how they are "grown", and then we were given the opportunity to see their rough and to purchase some. It was a very pleasant day, weatherwise, and hopefully sometime in the future we will be able to go again.

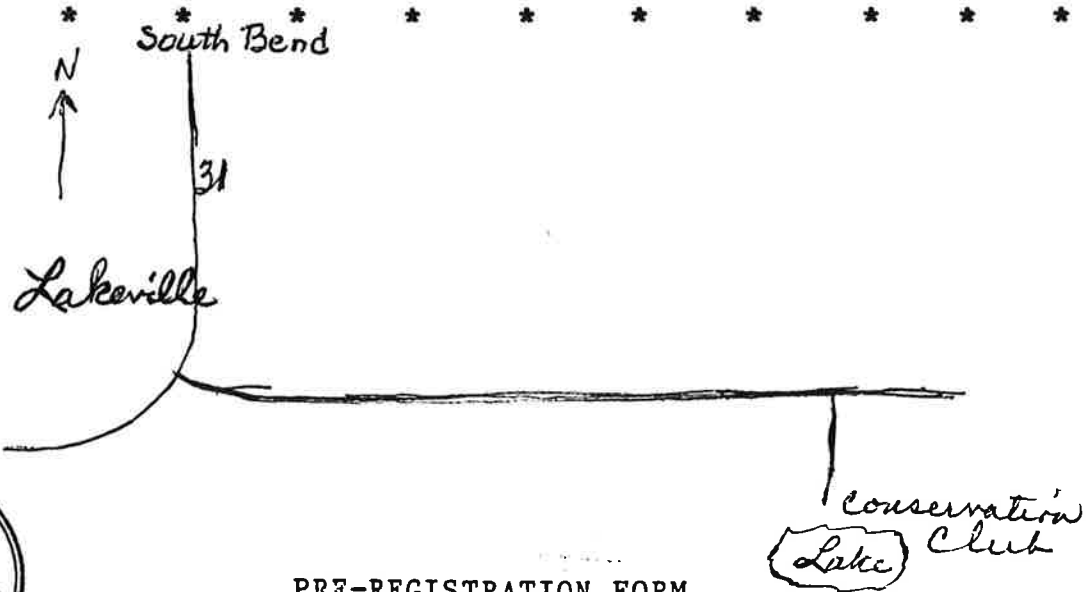
Remember our annual picnic will be held on August 4 at the Lakeville Conservation Club picnic grounds. There will be signs and look for the balloons!! The club will furnish the barbecue, buns, relishes and lemonade. Bring a dish to share for every 2

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JUNE-JULY ROCKFINDER 1991

MARGARET'S COLUMN-cont.

people in your family. We do have electric, so if you bring a hot dish in a crockpot or elec. dish, we can keep it hot. Come prepared to sign up for working at the show. We will have sign up sheets for all jobs. I need someone to sew some small bags to hold a stone, I will bring fabric for this job. They will have to have ties, but nothing fancy. These will be used at one of the luncheons as a table gift. If one of you ladies is interested, let me know soon. (Margaret 654-3673)



PRE-REGISTRATION FORM
 MICHIANA GEM AND MINERAL SOCIETY
 MIDWEST FEDERATION CONVENTION AND SHOW
 AUGUST 30 - 31, SEPTEMBER 1, 1991
 CENTURY CENTER, SOUTH BEND, INDIANA

NAME _____ PHONE _____

TICKETS FOR MEALS:

BULLETIN EDITOR'S + MWF EXECUTIVE LUNCHEON	\$10.00	_____	_____
MWF DELEGATES LUNCHEON	\$10.00	_____	_____
AWARDS BANQUET	\$14.50	_____	_____
TOTAL		_____	_____

DEADLINE FOR ADVANCED REGISTRATION IS AUGUST 10, 1991. NO EXCEPTIONS.
 Remittance must accompany this Registration Form. Make checks payable to:

MICHIANA SHOW AND CONVENTION

Send check and registration to: Margaret Heinek
 7091 E. East Park Lane
 New Carlisle, IN 46552



THE ROCKFINDER

JUNE-JULY 1991

MINUTES- MAY 1991

Margaret Heinek opened the meeting at the Westminister Presbyterian Church at 2:PM on May 26, 1991.

Margaret reported several members attended the Geodon show in Illinois.

Guests were welcomed: Ben Sasson, Ina Kahal, Martha Fields. Mary Miller was welcomed back.

Bob Heinek moved the minutes be approved as printed in the ROCKFINDER, seconded by Mary Miller, passed.

Treasurer's report was given by Sister Jeanne, and filed for audit.

Hostesses for May: ^{Janet Landato,} Marian Fiege and Pam Rubensteirn. Thanks ladies for the good treats.

Margaret and Bob Heinek displayed petrified wood and reported on their display that was in competition at the Dearborn show. The display received a 98, winning a trophy. Great job to both of you.

Margaret is to cut out more vests at home, so if you did not get one, let her know.

Bill Crull asked members to contact Stan Kile at 291-8299 for the Silent Auction booth for the Convention. Your help is needed on Friday, Saturday and especially Sunday. Fri. and Sat. will be the MWF's auction, but Sunday will be the clubs.

NEW BUSINESS

Raffle tickets for the prizes for the convention were handed out by Margaret. Call her for yours not at 654-3673. Sell 10 books and get a free ticket.

NO MEETING IN JUNE OR JULY. Our picnic will be August 4th at the Lakeville Conservation Club, so be sure to mark your calendar now.

We have new members, mark your directory:

J. Patrick & Joyce Kelleher
5707 W. 122nd Place
✓ Crown Point, IN 46303
219-663-8007

Kathleen Kelleher
✓ P>O> Box 1023
Cedar Lake, IN 46303
219-6638007

Virginia & Raymond Ripple
✓ 18418 Wooded Way
South Bend, IN 46637

Harland & Lucille Lindner
2624 W. Rowan Ave
Spokane, Wa. 99205-5739
509-328-6741-
Richard, Junior member

Door prizes went to Joshua Lawhorn, Alec Rubenstein, Derek Stodden, Kevin Klonzinski, Ben Sasson, Kenny Zeiger all junior members. Betty Stout, Joe Fashbaugh and Gladys Pacholke.

There were 6 guests, 23 adults and 5 junior members for a total of 34 at the meeting.

Refreshments were served and enjoyed by all after a slide presentation.

Submitted by Sec. Marie Crull



PRE-REGISTRATION FORM

MICHIANA GEM AND MINERAL SOCIETY

MIDWEST FEDERATION CONVENTION AND SHOW
AUGUST 30 - 31, SEPTEMBER 1, 1991
CENTURY CENTER, SOUTH BEND, INDIANA

REQUEST FOR DISPLAY SPACE & EXHIBIT REGISTRATION

Exhibitors are urged to bring their own display cases if at all possible. Please read the information on the Exhibitor's Advisory Sheet, the General Information Sheet and the information on this sheet.

NAME _____ SOCIETY _____
STREET _____ CITY _____
STATE _____ ZIP _____

NON-COMPETITIVE

TYPE OF EXHIBIT _____
CASE LENGTH _____

With the signing of this application, it is mutually agreed that the MICHIANA GEM & MINERAL SOCIETY, the MIDWEST FEDERATION OF MINERALOGICAL SOCIETIES OR the CENTURY CENTER or their agents shall not be liable to any exhibitor for damage to or for loss or destruction of any exhibit or any property of the exhibitor or injury to his person for any cause and all other claims for injury are expressly waived by the exhibitor. The MICHIANA GEM & MINERAL SOCIETY will supply around-the-clock Security and will take every precaution for the safety of all exhibits.

SIGNATURE OF EXHIBITOR

PLEASE SUBMIT ONE REQUEST FOR EACH EXHIBIT SPACE!!

MAIL TO: SHIRLEY TONEY
578 FARGO RD., WESTVILLE, IN 46391
(219) 926-2789

MAIL TO BE RECEIVED BY AUGUST 10, 1991

PLEASE COPY



ECHINOIDS : by Paul Godollei, club member.

The echinoderms of the subphylum Eleutherozoa are divided into three distinct classes of free-moving, bottom dwelling animals. The Stelleroidea (starfishes and brittle stars), Echinoidea (sea urchins and sand dollars), and Holothuroidea (sea cucumbers). Of these, the Echinoids have existed in seas from the Ordovician age to the present, and have an exoskeleton that is disk-shaped, heart-shaped, biscuit-shaped or globular. Modern representatives of this group include the sea-urchins, heart urchins and sand dollars.

The exoskeleton consists of the main body or test, which is composed of many intricately fitted calcareous plates arranged in more or less radial rows.

The exterior of the test is usually covered with large numbers of movable spines, which were used to move about and also to direct food to the mouth. The ambulacral or food grooves on the shell exhibit the typical five-rayed, starlike echinoderm pattern.

Although echinoderms are known from the Ordovician Age, it wasn't until the Mesozoic era that the group began to flourish. They were especially abundant during the Cretaceous and have been fairly abundant to the present time. Many plates and spines have been found, but the best complete specimens are from the Mesozoic and Cenozoic eras. Certain species are valuable as guide fossils.

BIBLIOGRAPHY: Shimer & Shrock-"Index Fossils of North America."
"Fossils"-By William H. Matthews III



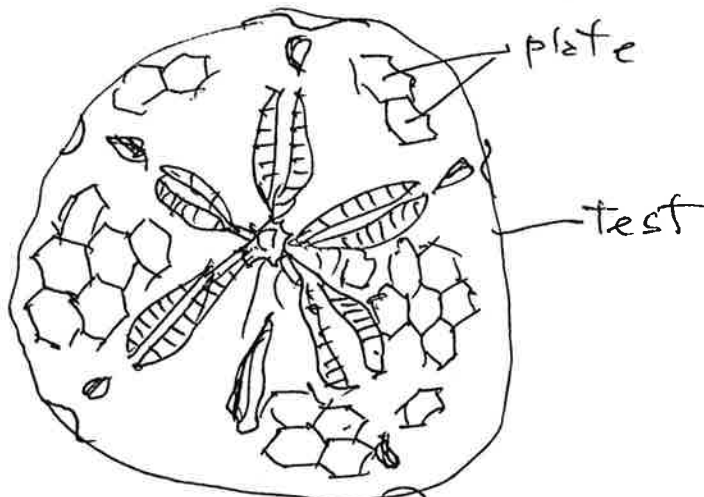
Echinoid plate



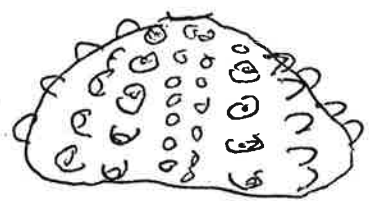
Echinoid spine



Side View



Sand Dollar - Top view
Mellitacarina Ravenel
Upper Miocene - Virginia, N.C.



Lower Cretaceous Sea Urchin