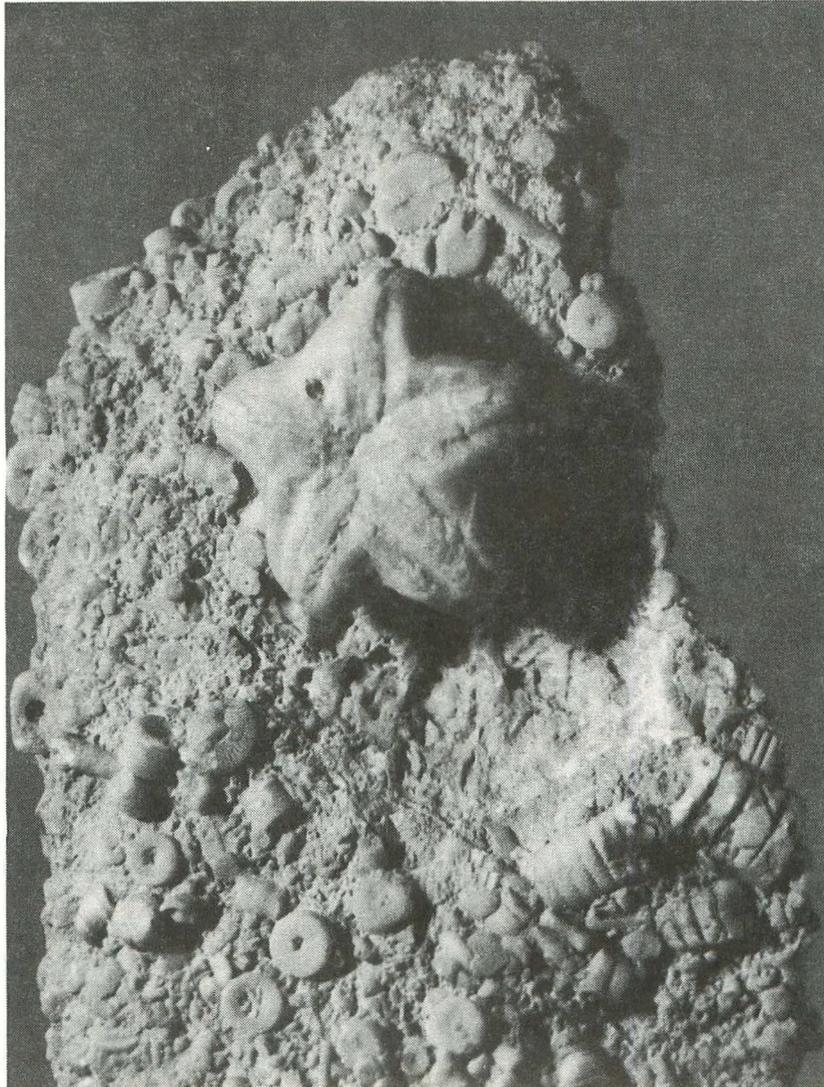


M.A.P.S. *Digest*

Official Publication of
Mid-America Paleontology Society

Volume 16 Number 1
January, 1993



MARK YOUR CALENDARS

<p>9 JAN MAPS MEETING. Augustana College, Rock Island, IL.</p> <p>1:00 Board & General Meeting combined.</p> <p>2:00 Bill Hickerson, Augustana College, will present the program on unique specimens he has found.</p>	<p>16 APR 1993 MAPS NATIONAL FOSSIL EXPOSITION XV--EXTINCT ECHINODERMS</p> <p>Fri., Apr. 16: 8am - 6pm Sat., Apr. 17: 8am - 5pm (Business meeting and auction following) Sun., Apr. 18: 8am - 3pm</p>
<p>6 FEB MAPS MEETING. Augustana College, Rock Island, IL.</p> <p>1:00 Board & General Meeting combined.</p> <p>2:00 Program</p>	<p>17 APR 1994 MAPS NATIONAL FOSSIL EXPOSITION XVI</p> <p>Fri., Apr. 17: 8am - 6pm Sat., Apr. 18: 8am - 5pm (Business meeting and auction following) Sun., Apr. 19: 8am - 3pm</p>
<p>20 MAR TENTATIVE. MAPS BOARD MEETING ONLY.</p>	

ABOUT THE COVER

This month's cover photo is of the blastoid *Orophocrinus stelliformis* from the Mississippian of Missouri. Gil Norris, Rockford, Illinois, sent the photo.

*** 93/01 DUES ARE DUE ***

Are your dues due? You can tell by checking your mailing label. The top line gives the expiration date in the form of year followed by month--93/01 means 1993/Jan. Dues cover the issue of the *Digest* for the month in which they expire.

We do not send notices but will let you know if you are overdue by highlighting your mailing label on your *Digest*. We carry overdues for two months before dropping them from our mailing list.

Please include your due date and name exactly as it appears on your mailing label--or include a label.

Dues are \$15 per U.S./Canadian household per year. Overseas members may choose the \$15 fee to receive the *Digest* by surface mail or a \$25 fee to receive it by air mail. Library/Institution fee is \$25.

Make checks payable to MAPS and mail to:
Sharon Sonneleitner, Treas.
4800 Sunset Dr. SW
Cedar Rapids, IA 52404

WANTED: COVERS FOR DIGEST

If you photograph or draw pictures of your fossils, please consider sharing them with the MAPS membership as covers for the *Digest*. Identifying information and/or a short write-up are appreciated.

DUES NOTE

A reminder that many members' dues expire in December. Check your label. Dues are generally processed and reflected on your label up to 14 days before the *Digest* is mailed. If you notice an error, please let me know so it can be corrected. This is also the time to send changes for the Directory. Send them early!

Please don't wait until EXPO to pay your dues. There is so much activity there and so many different people manning the desk that it's very easy to make mistakes.

EXPO XV--EXTINCT ECHINODERMS

This issue of the *Digest* carries all the registration and accommodations information for our April EXPO. Check pages 6-7 for information and page 8 for the registration form. Tables often go fast and sometimes rooms fill quickly, so make your plans as soon as possible.

New directories come out at EXPO, so if any of your directory information needs updating, now is the time to get it to the editor. Deadline is March 1.

RALPH ROBERTS PASSES AWAY

by Alan Goldstein, Louisville, KY

Longtime member Ralph Roberts (Rolla, Missouri) passed away November 1 at age 81. He was an ardent collector of trilobites after previously collecting minerals. His Pea Ridge iron mine collection was the best I had seen. Ralph was generous with exchanges--especially when obtaining a new species for his collection. My most recent swap was a pyritized Mississippian trilobite for a 75 pound galena crystal! His collection has been passed to his two daughters where, I am told, it will be well cared for.

1993 MAPS OFFICERS

Your officers for 1993 remain the same as for 1992 with the exception of two directors:

- President.....Marv Houg
- 1st Vice President.....Lyle Kugler
- 2nd Vice President.....Allyn Adams
- Secretary.....Jo Ann Good
- Treasurer.....Sharon Sonnleitner
- Director.....Tom Walsh
- Director.....Doug DeRosear (replacing Randy Wheeler, whose term exp. '94)

The other Director is: Peggy Wallace (exp. '93).

We thank last year's officers for the time and effort they have given to MAPS.

HELP SECURE FOSSIL STAMPS
by Tony Verdi, Hinckley, OH

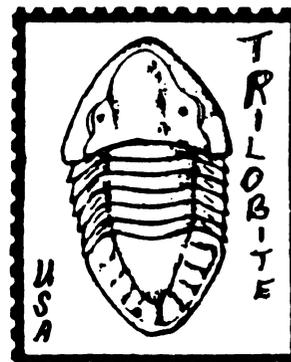
For several years, I have requested that the postal service issue four stamps depicting some of our early fossils. In 1974 a beautiful block of stamps was issued. In 1989 four prehistoric animals of the Mesozoic era were issued. In 1992 a second set of four mineral stamps was issued.

I feel that stamps depicting the early, small fossils should be the next step. Common fossils such as ferns, trilobites, crinoids, ammonites and brachiopods should be considered. These could be shown in early reconstructed scenes or as a fossil of today.

I ask interested collectors (Stamps and Rocks) to write to the Postal Service's Citizens Stamps Advisory Committee and request that our fossil heritage be recognized.

Write to:

U.S. Postal Service
Citizens Stamp Advisory Committee
Room 5800
475 L'Enfant Plaza West, SW
Washington, D.C. 20260-6352



Examples of Possible Stamps

**EXTRACTION OF MICROFOSSIL SHARK FOSSILS FROM A HIGHLY WEATHERED
UPPER PENNSYLVANIAN MARINE SHALE IN SOUTHWESTERN PENNSYLVANIA**

by Alan L. Saltsman, Jeannette, PA 15644

Southwestern Pennsylvania contains many thin marine limestones and shales of Pennsylvanian age. Over the years, I have processed numerous unweathered samples of the Upper Pennsylvanian Ames limestone and fossiliferous shale for conodonts and microfish remains, mainly shark teeth and dermal denticles. Boiling shales with Quaternary O requires a lot of time and consequently causes a lot of damage to the fossils. This article outlines a method for extracting microfossils from shales which have been extremely weathered by modern day soil-forming processes.

The Ames limestone and fossiliferous shale is exposed at the very top of an extremely steep road cut on the north side of Route 22, 2.0 miles east of the intersection with Route 66 at the top of a hill near Five Points, Westmoreland County, Pennsylvania (Locality E of Saltsman, 1986, p. 225). A thin (0.4 feet) limestone is overlain by 0.6 feet of tan soil containing very few noticeable fossils (the brachiopod *Crurithyris* and crinoid columnals). Below the limestone is 3.8 feet of soft, crumbly, tan shale where many specimens of the brachiopod *Neochonetes* are weathering out. Below this is 0.8 feet of coal.

Fresh samples of the *Neochonetes*-rich shale are soft and crumbly due to the fact that the shale lies in a modern day soil zone and is highly weathered. Furthermore, the outer 1.5 inches of the weathered shale consists of a solid crust of mud, indicating that this material has been almost completely broken down by weathering. The tan soil above the limestone containing *Crurithyris* was found to contain hundreds of *Crurithyris* after the soil was washed. This indicated that this soil correlates laterally with *Crurithyris* shale in adjacent Ames Limestone outcrops such as the one at the "cloverleaf" at the intersection of Routes 22 and 66 1.9 miles to the west.

Microfossils from the *Neochonetes* shale and *Crurithyris* soil were processed using the following method:

1. Collect a large bulk sample of the crust only if the *Neochonetes* shale. Collect sample of entire *Crurithyris* soil.
2. Dry sample by spreading on newspaper.
3. Put sample through one-half inch screen from hardware store. Throw away large material (limestone nodules), but keep large chunks of mud.
4. Weigh out sample (if desired) and put sample in drywall bucket. Process with vinegar for one week and/or bleach for one month. Bleach removes modern plant debris.
5. Process sample through screens. The smallest I use is 60 mesh (0.25 mm).
6. Pick for fossils.

The following shark remains were found in 10 kg (22 pounds) of *Crurithyris* shale (soil):

- A. 4 mm fragment of crown
- B. 2.5 mm two-cusped fragment of crown
- C. 2.4 mm pretty much complete crown
- D. 1.5 mm complete tooth (*Stethacanthus?*)
- E. Three 0.5 mm *Zangerlodus*
- F. Four 2.0 mm needle teeth of *Cobelodus*
- G. One 0.5 mm *Coolyella*

The following shark remains were found in 40 kg (88 pounds) of *Neochonetes* shale:

- H. 10 mm shark spine?
- I. 6 mm, 60% of crown and part of root.
- J. 3.5 mm enameloid, tooth-like dermal denticle
- K. 3.0 mm enameloid, wishbone-shaped dermal denticle.
- L. 2.4 mm, 90% complete tooth (*Stethacanthus?*)
- M. Numerous 1.5 mm individual cusps
- N. Five 0.5 mm *Zangerlodus*
- O. One *Coolyella*

It should be noted that only a small fraction of the material under 1.5 mm in size has been picked. Fossil identifications after Hansen (1986).

In conclusion, I would encourage other fossil collectors to investigate other exposures where fossiliferous zones occur

at the top of a hill in a modern day soil. It should be emphasized that the most weathered strata in this study (*Crurithyris* shale) contained very few recognizable fossils in the outcrop. The abundant fossils were evident only after screening the sample.

References

Hansen, M.C., 1986, Microscopic Chondrichthyan remains from Pennsylvanian marine rocks of Ohio and adjacent areas: Volume I, Ph.D. dissertation, The Ohio State University, 536 p.

Saltsman, A.S., 1984, Paleoenvironments of the Upper Pennsylvanian Ames Limestone and associated rocks near Pittsburgh, Pennsylvania, Geological Society of America Bulletin, V. 97, p. 222-231.

DINOTOUR sent by Leslie Adler Calgary, Alberta, Canada

In the spring of 1989 and 1990, [committee members Bill Carson, Corliss Moore, Mike Skrepnick, Rose Skrepnick and Heather Whitehead] attended a University of Calgary Continuing Education course, "Digging into Dinosaurs," taught by Dr. Phil Currie, Head of Dinosaur Research at the Royal Tyrrell Museum in Drumheller, Alberta. At the conclusion of the course, many wanted to continue learning about dinosaurs and to maintain friendships begun in the course. At a wind-up barbecue, the maps and schedules came out, a volunteer 6-member committee was recruited, and DINOTOUR was born, with the full backing and enthusiasm of Phil Currie.

In June 1991, DINOTOUR's first trip visited quarries, egg sites, and museums in Montana, Wyoming and Utah, with Phil Currie as scientific leader. The 8 day bus trip included 48 individuals of varying ages and levels of expertise in natural science. Dinosaur sites we visited in Montana included Egg Mountain, the Museum of the Rockies, Makoshika State Park, and Fort Peck; in Wyoming, Fossil Butte and Como Bluff, and in Utah, Dinosaur National Monument. Non-dinosaur sites [were also included]...

In June of 1992, again with Phil Currie as our scientific leader, DINOTOUR visited eastern Utah and western Colorado. The 10 day tour included 28 participants, many of them repeat customers. Dinosaur sites included: Dinosaur National Monument, Grand Junction area quarries, Young Egg site, Dry Mesa Quarry, Moab megatrack site, Cleveland-Lloyd Quarry, and museums in Vernal, Grand Junction, Price Prove, and Salt Lake City. Non-dinosaur activities [were also included]...

Planning is underway for our third annual trip in April or May 1993. Preliminary choices include Colorado eastern slopes, northern New Mexico, Arizona and eastern Utah. Possible sites include Dinosaur Ridge, trackway sites, Ghost Ranch--Triassic, the Seismosaurus site in New Mexico, the Petrified Forest, Moab, and Grand Junction area...

If you are interested in being kept informed about DINOTOUR 1993, send your **Name(s), Address, and Phone Number** to:

DINOTOUR
c/o 12231 Lake Fraser Way S.E.
Calgary, Alberta, CANADA T2J 3T2

SOME COMMENTS ON S-3107 (BAUCUS BILL)
by B. L. Stinchcomb

Included here are a few comments on the controversial Paleontological Resources Protection Act (Baucus Bill). I teach geology and paleontology at a college in the St. Louis area and have been extensively involved in paleontological collecting for a number of years and have published on Cambrian monoplacophora. My comments may be of interest to the paleontological community

Since "The Paleontological Resources Protection Act" is almost certainly to be reintroduced when Congress convenes in January, the following comments are presented:

1. The Baucus Bill appears to be strongly biased in favor of institutions and institutional collecting, particularly museums. The use of fossils in teaching and education is not addressed! Concern exists that educators using vertebrate material in classes might be in violation of the bill if it becomes law.

2. Distinctions between vertebrate and invertebrate fossils in some cases is difficult for paleontologists. A lot of controversy exists as to whether some fossil groups are indeed vertebrates. How would non-paleontologists such as land and resource managers and law enforcement personnel handle this? A possible outcome might be that in the future a very stringent environment could exist for all persons interested in fossils and strata. This has happened to some extent already in Illinois where those doing roadside geology have been confronted by law enforcement personnel under a 1990 law prohibiting paleontological collecting on public lands. I no longer take my geology classes on field trips to some exposures in Illinois for that reason.

Enough man-made hurdles already exist to discourage a person interested in field geology and collecting. These hurdles include concern of landowners for liability, strict interpretation of bylaws, such as considering use of a rock hammer as vandalism, strictly enforced parking restrictions, limiting access to waterways, etc.

3. How do you legally determine what is or is not a vertebrate fossil? How would the following be handled: phosphatic sclerites, conodonts, paraconodonts, graptolites, calcichordates, problematica in general, fish scales and teeth etc. Who would make the decision as to what constitutes a vertebrate fossil and hence would be covered by the bill. Would the outcome be, as stated in the Paleontological Research Institution newsletter, that the Paleontological Resource Protection Act will make all fossil collecting on federal lands illegal.

Strict enforcement of the law, particularly when environmental matters are concerned is becoming more commonplace. "Spirit of the law" is not always the guideline anymore. In many regions it's the "letter of the law" which is enforced. How would S-3107, if it does become law, evolve under these conditions considering that fossils are often relegated as part of a package of "environmental matters."

ADVERTISING SECTION

Ads are \$5.00 per inch (6 lines x 1 column--43 spaces). Send information and checks payable to MAPS to: Mrs. Gerry Norris, 2623 34th Avenue Ct., Rock Island, IL 61201. Phone: (309) 786-6505. This space is a \$5.00 size.

To extend currently running ads, please send request and remittance to **Editor** by the 15th of the month. We do not bill. Ads do not run in the EXPO issue (April). Ads up to 8 lines by 54 spaces can be printed in smaller type to fit a 1" space.

FOSSILS ON DISPLAY: Directory of Fossil Exhibits in North America. Includes University and museum exhibits. Listed are address, phone, hours, what they have, and "MUST SEE" items. Available only on IBM computer disk (specify 5 1/4, or 3 1/2); read and print only what you want. \$3.95. Al Copley, 17 Leisure Drive, Kirksville, MO 63501

VIDEOTAPE! THE BEST OF EXPO XIV! This 40 minute tape features more than 200 of our best 35mm close-up fossils slides taken at EXPO XIV transferred to videotape. Most fossils have names superimposed and run about 6-8 seconds each; music added. \$13.95.

Al Copley, 17 Leisure Drive, Kirksville, MO 63501.

NATIONAL FOSSIL EXPOSITION XV - 1993

LOCATION AND TIME EXPO will be held at the Student Union, in the Grand Ballroom, on the campus of Western Illinois University, Macomb, Illinois. The simplest way to the site is to turn off IL 67 west on University Drive, then go south to the Union. (Follow the signs.) Set-up is permitted on Friday, April 16, at 8:00 a.m.

EXPO HOURS: Friday, April 16 - 8:00 a.m. - 6:00 p.m.
 Saturday, April 17 - 8:00 a.m. - 5:00 p.m.
 Sunday, April 18 - 8:00 a.m. - 3:00 p.m.

TRANSPORTATION There are 2 highways leading into Macomb - IL 136, an east-west route, and IL 67, a north-south route.

There is no plane service to Macomb at this time, but we will help to arrange transportation from Moline, IL, airport if you will make **ADVANCE** arrangements with Mrs. Gerry Norris, 2623 34th Ave. Ct., Rock Island, IL 61201 (309-786-6505), or Mrs. Madelynne Lillybeck, 1039 33rd St. Ct., Moline, IL 61265 (309-764-0921). Or you can fly into St. Louis, MO, or Peoria, IL, and rent a car and drive to Macomb.

LODGING Persons traveling in self-contained camping units may park on the parking lot. See Public Safety located in the Union. **IDENTIFY WITH MAPS.**

Macomb area code - 309

Macomb zip code - 6146

(prices subject to change)

Starr Motel - Hwy 67 S and 136 E 837-4817 1507 E. Jackson Rd.	Time Out Motel - Hwy 67 North 837-4838 311 University Dr.
Single \$25.00	Single \$25.00
(per night) 2(one bed) 28.00	(per night) 2(one bed) 28.00
(plus tax) 2(two beds) 35.00	(plus tax) 2(two beds) 30.00
3(two beds) 38.00	3(two beds) 32.00
	4(two beds) 35.00

Holiday Inn - 1400 N. Lafayette - 833-5511 or 1-800-HOLIDAY
 Single \$47.00 Each additional up to 6: \$6.00.
 King 51.00 (plus tax)

Travel Inn - Hwy 136 W. 833-4521 1414 West Jackson	Super 8 - 313 University Drive: 836-8888
Single \$26.00	Single \$39.11
(per night) 2(one bed) 30.00	2(one bed) 42.38
(plus tax) 2(two beds) 35.00	2(two beds) 46.74
3(two beds) 38.00	3 51.10
4(two beds) 38.00	4 55.47

If you plan to stay at a motel, we urge you to make your reservation early. Local motels are generally filled during the weekends.

Union - Contact Allyn Adams, 612 West 51st St., Davenport, IA 52806 (319-391-5443) **OR IN MAR.** contact Tom Walsh, 501 East 19th Ave., Coal Valley, IL 61240 (309-799-3626) to see if rooms are available. If rooms are available, send payment, payable to MAPS to Doug DeRosear, Box 125, Donnellson, IA 52625.

DO NOT CONTACT Western Illinois University. These rooms must be rented for both Friday and Saturday. You must request rooms early and pay for them before March 30, 1992. You may wish to be on standby.

3275 Single \$64.32 (weekend) 5051 3 people \$ 99.20 (weekend)
 4551 Double 89.38 (weekend) 5550 4 people 108.80 (weekend)

WC FAX

DON'T FORGET - In all cases identify with MAPS.

PARKING For those living in the Union, parking will be east of the Union with room permits. For others, get visitor permits from Public Safety. Parking in specified lots. After 5:00 p.m. Friday ample parking. Before 5:00 p.m. - patience needed.

MEALS Meals are available in the Union: fast food in the lower level and a deli in the basement. Ice cream is also available! There are many restaurants in town and a deli bar in a nearby grocery store.

EXPO REGULATIONS Everyone is requested to make advance registration by March 30, 1993. Mark your calendars now so you don't forget! Registration forms are found on page 8 in the *Digest* for your requests for tables, display space, etc. Send these forms and your check made payable to MAPS to: Doug DeRosear, Box 125 Donnellson, IA 52625. Please send **dues to Treasurer** before EXPO--it is a lot of extra work for us to accept them at EXPO.

ALL TABLES WILL BE ASSIGNED. If you want to be next to someone or specifically located, please say so when you send your money. (We reserve the right to arrange tables as we see fit to enforce table limits.) Cost of the tables is \$15.00 each for a 6' table in the Ballroom for the weekend; \$15/table in the Lobby. (Lobby tables will be used only for overflow.) **MAXIMUM of 2 tables per person initially.** Over 2 tables wanted? You may request extra tables, and if they are available you will be notified after March 15th (pay for these at EXPO). Requests for extra tables will be filled in rotation--one table per person per round until all space is gone. Also, those with special needs for more than 2 tables may apply to the Board by March 1 for an exception. All decisions will be made as soon as possible, with all decisions made by March 7. **(No more than 4 tables will be allotted to a person, family or group, whichever is the larger unit.)**

The Committee insists that all materials be fossil or fossil related. Mountings, gemstones, minerals, Indian relics, etc., are not permitted!

DISPLAYS EXPO is special because of displays. They are a gift. They give us all a look at the ancient epochs of the world. Display tables are provided at no cost - 8 ft. limit. Bring your own lights, if you need lighting. If you need more space, please contact Doug DeRosear.

ALL RESERVATIONS WILL BE ACKNOWLEDGED

OTHER ACTIVITIES EXTINCT ECHINODERMS will be this year's theme. **Keynote Speaker** will be Dr. Thomas Broadhead, University of Tennessee, on Primitive Stalked Echinoderms--7:45 p.m. Friday. A **live auction** will follow a short business meeting and awards presentation on Saturday evening. Proceeds go to a geology scholarship. Everyone is asked to provide a quality specimen, with full data and the name of the fossil donor. Specimens can be left at the information desk until 3:00 p.m. Saturday. If you wish to mail a specimen, send it with pertinent information to Paul Rechten, 7405 Shields, Harvard, IL 60035. Paul will send a postal acknowledgment on receipt of specimen. A **seminar** on primitive stalked echinoderms will also be given by Dr. Broadhead, beginning at 9.00 a.m. Sunday. He asks that participants bring specimens of primitive stalked echinoderms for discussion at the workshop. Reservations required.

Show Chariman...Marvin Houg, 3330 44th St. N.E., Cedar Rapids, IA 52402	(319) 395-0577
Table Reservations...Doug DeRosear, Box 125, Donnellson, IA 52625	(319) 835-5521
Auction...H. Paul Rechten, 7405 Shields, Harvard, IL 60035	(315) 943-4178
Publicity...Tom Witherspoon, Sr., 6611 Miller Road, Dearborn, MI 48126	(313) 582-3139
EXPO DIGEST Editor...Maggie Kahrs, R.R. 7, Box 199, Seymour, IN 47274	(812) 522-6093

Please ADD the Following NEW OR REJOINING MEMBERS to Your Directory:

Frank Bukowski
1441 E. Oxford St.
Philadelphia PA 19123
215-425-6450

Manager. Will trade. Has many fossils, especially Cretaceous and Miocene shark teeth from New Jersey & NC. Seeking to swap for shark & other teeth from U.S. and abroad. Complete specimens only.

Kathleen A. Filas
5726 Primrose Ave.
Lisle IL 60532
708-960-5320

Letter Carrier. Will trade. Has for trade almost complete mosasaurs (no head): ribs, teeth, 2 jaw pieces and 500 pounds of bone pieces. Member ESCONTI, Downers Grove, IL.

John Miller
1305 W. Humphrey St.
Tampa FL 33604
813-932-0205

Sign Designer. May trade. Interested in all types of vertebrate paleo. & Florida fossils for practical reasons. Nothing to trade at moment. Member of Tampa Bay Fossil Club. Wants to expand horizons.

Jim Puente Fossils
1528 N. Cleveland
Chicago IL 60610
312-649-9349

Market Research/fossil dealer. Major interest fossil collecting and preparing. Wants to be in contact with other fossil dealers and to find out how to prepare specimens.

James L. Ramsey
P.O. Box 3141
Duluth MN 55803
213-724-7543

Engineering/manufacturing background. Collecting was a hobby, now a business. Will trade. Major interest plant materials. Wants to buy fossil materials.

PLEASE NOTE THE FOLLOWING CHANGES OF ADDRESS OR CORRECTIONS:

Barbara Fite
P.O. Box 1766
Lutz FL 33549

John D. McLeod
P.O. Box 172
Cheney WA 83707

Edwin T. Schafer
15709 Pock Cr.
Omaha NE 68135
402-

Jan Van Donk
9305 Plain City Georgesvil Rd.
Plain City OH 43064-8833

Ric Zarwell
P.O. Box 299
Lansing IA 52151
319-538-4991

Steve Zimpfer
195 Weatherly Woods
Winterville GA 30683

NATIONAL FOSSIL EXPO XV- REGISTRATION FORM

Please complete the form below, enclose a **check payable to MAPS**, and mail to **Doug DeRosear, Box 125, Donnellson, IA 52625**, before March 30, 1993.

NAME: _____ PHONE NO.:(____)____ - _____

ADDRESS: _____ CITY _____ STATE _____ ZIP _____

____ Yes, I will provide a display for EXPO. It will require _____ linear feet of table space - 8 ft. maximum display.

____ I request _____ (number) of 6 ft. tables for selling and swapping. Cost is \$15.00 per table. 2 tables/person maximum initially; Maximum limit of 4/family or group in all. Check enclosed: \$____ (Only send payment for up to two tables per person; any extras assigned through request will be paid for at time of notification or at EXPO.)

____ Number of chairs I will need.

____ I request to be next to _____ for my sell/swap table. (Requests not guaranteed.)

____ I request reservations for the Sunday morning seminar for the following:

____ Will you help run EXPO?
Front desk--Fri _____ a.m. _____ p.m. _____ evening
Sat _____ a.m. _____ p.m.
Sun _____ a.m. _____ p.m.

Elevator--Friday: 9-10, 10-11, 11-12, 12-1, 1-2, 2-3,
Sunday: 11-12, 12-1, 1-2, 2-3

NO ONE EXCEPT THE GUARD IS ALLOWED ON THE FLOOR FOR ANY REASON AFTER HOURS!

The Mid-America Paleontology Society (MAPS) was formed to promote popular interest in the subject of paleontology; to encourage the proper collecting, study, preparation, and display of fossil material; and to assist other individuals, groups, and institutions interested in the various aspects of paleontology. It is a non-profit society incorporated under the laws of the State of Iowa.

Membership in MAPS is open to anyone, anywhere who is sincerely interested in fossils and the aims of the Society.

Membership fee: One year from month of payment is \$15.00 per household. Institution or Library fee is \$25.00. Overseas fee is \$15.00 with Surface Mailing of DIGESTS OR \$25.00 with Air Mailing of DIGESTS. (Payments other than those stated will be pro-rated.)

MAPS meetings are held on the 1st Saturday of each month (2nd Saturday if inclement weather). October & May meetings are scheduled field trips. The June meeting is in conjunction with the Bloomington, IN, Gem, Mineral, Fossil Show & Swap. A picnic is held the fourth weekend in July. November through April meetings are scheduled for 1 p.m. in the Science Building, Augustana College, Rock Island, Illinois. One annual International Fossil Exposition is held in the Spring.

MAPS official publication, MAPS DIGEST, is published 9 months of the year--October through June.

President: Marvin Houg, 3330 44th St. N.E., Cedar Rapids, IA 52402
1st Vice President: Lyle Kugler, 612 8 E. 3rd St., Aledo, IL 61231
2nd Vice President: Allyn Adams, 612 W. 51st Street, Davenport, IA 52806
Secretary: Jo Ann Good, 404 So. West 11th St., Aledo, IL 61231
Treasurer: Sharon Sonnleitner, 4800 Sunset Dr. SW, Cedar Rapids, IA 52404
Membership: Tom Walsh, 501 East 19th Avenue, Coal Valley, IL 61240



CYATHOCRINITES

MID-AMERICA PALEONTOLOGY SOCIETY

Mrs. Sharon Sonnleitner
MAPS DIGEST Editor
4800 Sunset Dr. SW
Cedar Rapids, IA 52404

FIRST CLASS MAIL

Dated Material - Meeting Notice