

# M.A.P.S *Digest*

V  
O  
L  
U  
M  
E  
  
6

N  
U  
M  
B  
E  
R  
  
1



Official Publication of  
Mid-America Paleontology Society

January, 1983

It is hoped your holidays have been joyous!

The Executive Board would like to take this opportunity to give each of you a most hearty welcome to a new year in M·A·P·S and the opportunity it provides to grow together.

To those of you who are a member of this family for the first time, may you find new friends along with new treasures from ancient seas.

To those of you who are old friends, precious as those ancient treasures which lure us all, may 1983 be your most exciting year yet.

From one of the professionals among our family comes this reminder. "Paleontology is the most fascinating subject I have ever encountered...It is mind boggling when one stops to consider that one can pick up a bit of rock and see a form of life that was living and moving about millions, perhaps hundreds of millions of years ago. The next step is to endeavor to learn more about that life which then often leads to the desire to

share what one has learned with others.

So there it is in a nutshell. What M·A·P·S is all about. May you find your ancient life form whatever or wherever it may be and then may the next step follow--to learn more about it and to share with all of us both the form and the learning.

And so a Toast: to 1983--to discover, to learn, to share.

\*\*\*\*\*

## MARK YOUR CALENDARS

please note meeting date

8 Jan MAPS Meeting -- Augustana College, Rock Island, Illinois

10:00 p.m. Board Meeting, Augustana  
2:00 p.m. Dr. Hammer, Augustana College, will speak on the subject "Triassic Invertebrate Fossils of the Antarctic."

15, 16, Apr -- EXPO V -- Macomb, Illinois  
and 17 Grand Ball Room, Western Illinois University

1984 -- 13, 14, and 15 April -- EXPO VI

\*\*\*\*\*

## SECRETARY'S REPORT

The December meeting of MAPS was called to order, December, 1982, at Augustana College by Don Good, President. The November minutes were read and approved. The treasurer reported a balance of \$2,213.80.

Don Good reported that some flyers for EXPO V had been sent to dealers and that more would be sent in December.

Don also reported that the Executive Board would meet in January to formalize procedures for satellite organizations.

Room reservations for EXPO V may be made with Tom Walsh.

Managers at Southpark Mall, Moline, Illinois will welcome a display in the mall during February. Gil Norris is working on arrangements.

Don Good reported that the Board had decided to have a MAPS banner made. Mary Wells offered to design and make it.

The January meeting will be held on the second Saturday, January 8, at Augustana College.

Meeting adjourned. Doug Johnson's slide program showing collecting sites in the West was presented by Doug DeRosear.

Respectfully submitted,  
Peggy Wallace, Secretary  
\*\*\*\*\*

## FROM THE MEMBERS

A request for information concerning slide programs made by MAPS has been received.

MAPS has two slide programs. The first-- FOSSILS AND THE STORY THEY TELL is complete and available for presentation to local clubs.

For information and reservations for this slide program contact Allyn Adams, 612 W. 51st Street, Davenport, IA 52806 Phone-- 319-391-5443.

There is a second slide program in process. A program on BRACHIOPODS is nearing completion. Although shown last year at EXPO IV when our professional authority, Dr. Foster, Bradley University, reviewed it, it became obvious there was still work to be done.

It is the intent of Gil Norris and Allyn Adams who are doing most of the work on this program to have it ready by EXPO V. As soon as it is ready there will be information in the Digest.

The Konecnys, Prescott, Arizona, have begun work on a third slide program on Coelenterates. More about that at EXPO V.

If anyone has a favorite subject area, the possibilities for educational slide programs is endless. MAPS will provide the basic structure needed and guidelines for development.

\*\*\*\*\*

## NAME TAGS

Do you have a name tag? When EXPO V rolls around it helps immeasurably to know who one is speaking to. Get acquainted on a name basis with the club pin to help break the ice.

The club logo, Cyathocrinites is beautifully displayed in white on a blue background. Cost \$2.50.

Order from Fred S. Farrar  
Rt. #2, Box 295  
Poplar Bluff, MO 63901  
314-686-2130

\*\*\*\*\*

## TWO CORRECTIONS

DR. J. A. ARENDT, Paleontological Institute, Academy of Science, Lenin Prospect 33, Moscow V-71, USSR, was reported as leading echinoid authority. That should read ECHINODERM authority.

Dr. Arendt is mainly interested in crinoids. He wrote for Russia the equivalent of the Treatise

Sorry, Dr. Arendt, and thank you Harrell Strimple.

\*\*\*\*\*

AND. . . Dr. Sprinkle's publication on the Echinoderms from the Bromide Formation of Oklahoma--Cost \$15.00 plus \$1.00 postage and handling. Order from University of Kansas Library, Lawrence, KS 66045. Ask for: University of Kansas Paleontological Contributions Monograph Number One, "Echinoderm Faunas from the Bromide Formation (Middle Ordovician) of Oklahoma", Editor, Dr. James Sprinkle.

\*\*\*\*\*

## THE PROFESSIONAL'S CORNER -- Copyright, 1983

Dr. N. Gary Lane  
 Geology Department  
 Indiana University  
 Bloomington, IN 47405

## THE ----- BOOK OF FOSSIL RECORDS

Everyone has heard about the Guinness book of records. They record the biggest, smallest, fastest, most of just about everything. I have often wished that there was a similar book for fossils. Students commonly ask, "How big is the biggest trilobite?", or similar questions. How do you define bigness? The longest, the greatest area? These kinds of questions would have to be settled. What was the largest invertebrate animal in the Paleozoic Era? I suspect that the longest ones were the straight-coned nautiloid cephalopods, but I am not sure of that. I suspect that some of the Late Paleozoic dragonflies were the largest insects known, but, again, I have never seen a careful comparison. If someone were to begin gathering this kind of information it could make a very interesting and useful small book or pamphlet. One question immediately comes to mind, do you base size on the actual specimen, or if the specimen is broken or incomplete, do you base size on a reconstruction, an estimate or a guesstimate? I would be in favor of ruling out all concocted sizes and use the absolute size of the preserved fossil as the basis for inclusion in such a book of fossil records.

Because I work on crinoids, I am commonly asked about the length of stem of crinoids. There is no question that the record longest stems, with no really close competitors, are some Jurassic crinoids from Germany that have a stem about 20 meters long (more than 60 feet!). In the Paleozoic crinoids the longest stem I had seen until quite recently was just at 1 meter, slightly more than 3 feet in length. However, I have seen one

stem this year that was about 3.5 meters. As far as I know that is the Paleozoic record. If someone would like to take on the job of compiling such a list of records, I am sure there would be interest among many professional and amateur paleontologists. It would take a lot of letter writing, and devising a set of rules to guarantee authenticity. The source of the information, the age, locality, and name of the fossil would have to be known, and where the fossil is currently housed, in case someone wanted to check on the record. I think that George Sevastopulo and I have published on the smallest known crinoid head in our microcrinoid work. We had one specimen, a complete head, from the Mississippian of Tennessee, that was 176 micrometers (microns, or 0.175 mm) in height. Christina Strimple has found still smaller heads but there is some question about whether these are heads of crinoids or blastoids. When they get that small they are a little hard to tell apart.

At any rate, I have put in my plug for a book of fossil records. Maybe someone will pick up on the idea.

\*\*\*\*\*

THE PROFESSIONAL'S CORNER, CONTINUED -- H. L. Strimple

Section 7 --

ANATOMY OF A CRINOID STUDY

904 Bowery  
 Iowa City, IA 52240

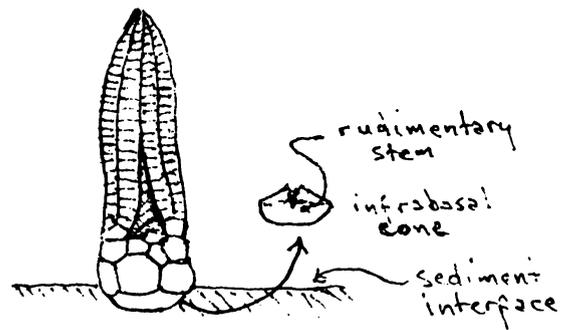
It has been my intention to provide first hand accounts of various fossil studies with emphasis on methodology and current status of activities. In the September, 1982, issue of Journal Paleontology (vol. 56, p. 1133-1137, pl.1) I had a small paper dealing with the species Agassizorinus dissimilis Weller (1920). The main purpose of this study was to document three well preserved specimens which are probably from the type locality (the exposure from which the type specimens used in the description of the species were collected) of the species and to link the species with less well preserved specimens from other geographic areas. The type area is in St. Clair County, Illinois (the Illinois Basin), one area is in Madison County, Alabama (the Southern Appalachian Mountains), and the other in Craig County, Oklahoma (the flanks of the Ozark Mountains).

This small study is only one among many dealing with the genus Agassizocinus which is,

for several reasons, one of the more interesting and challenging inadunate crinoids of Chesteran

(late Mississippian) time. The fused stemless infrabasal cone is a thick solid element that is virtually indestructible so that specimens are preserved wherever the genus lived and it was prolific as well as widely distributed in North America. Complete cups are rare and complete crowns even more so although Ettensohn (1974, Journal Paleontology, vol. 49 1041-1061) has reported the occurrence of numerous well preserved crowns from eastern Kentucky which he identified as Agassizocrinus lobatus Springer (1920). However, in my opinion they do not appear to be conspecific with that species. A. lobatus was described on the basis of distinctive (lobate) infrabasal cones from lower Gasperian strata in the Monteagle Formation of Madison County, Alabama. Burdick and Strimple (19) considered A. lobatus to be conspecific with A. occidentalis however after re-examination of the holotype of that species I have concluded the two forms are not conspecific. Even though a complete cup or a A. lobatus has not as yet been found, I believe it to be a valid species. Now there is a project for the collectors in the southern Appalachians, please examine your specimens to see whether you might have a bona fide A. lobatus and keep your eyes peeled when you are in the field. Former MAPS member Richard Keyes has found a few infrabasal cones which belong to the species and I have them here under study. As a matter of fact I would like to see any cups or crowns (cups with arms attached) of Agassizocrinus from anywhere provided there is adequate documentation of the location where they were found.

There is a certain amount of variability within any given species so that the cautious investigator is forced to decide what degree of variation is allowable. In modern living species the basic criterion is whether they effectively interbreed or do not. With fossils we must depend on the morphological features of the preserved endoskeleton. Those who are ultraconservative are known as "lumpers" and a lesser amount of effort on the part of the investigator is required to follow this course. In practice when a "lumper" is working with a large genus group, the tendency is to suppress (synonymize) previously described species but conversely to propose new taxa (species) based on their own material. The other side of the coin is the "splitter" who commonly becomes more immersed in the study and recognizes subtle differences which may be very difficult to substantiate to the satisfaction of other investigators. Obviously



Sketch of a crown (cup plus arms) of the eleutherozoic (free, or stemless) inadunate crinoid Agassizocrinus dissimilis in position on the sea floor (restored). The five infrabasals are anchylosed, or fused, into a single unit (infrabasal cone) and have overgrown the remnant of the stem.

the most desirable approach is somewhere in between. In the recent study dealing with A. dissimilis I was conservative and as I examine my illustrations the uneasy feeling of having been too conservative pervades me. There are differences between the specimens albeit not major ones. Considerably more investigation needs to be done on the genus and in fact is under way.

I have at hand a collection of juvenile infrabasal cones from a very restricted area (about one yard long and half a yard wide) in Craig County, Oklahoma which was called to my attention by MAPS member Claude Bronaugh, who is my oldest friend and colleague. Not only did he bring the matter to my attention he also gave me the specimens for study. Together with my good wife, Christina, we have managed to recover about 300 cones and one partial cup. A by-product of the effort has been a large collection of the strange coral Palaeicis which is under study by a Canadian investigator, Alan McGugan, of this type of coral. Really small specimens of Agassizocrinus are virtually unknown although Ettensohn (1975) reported one small specimen. At present it is my belief the small pocket from Craig County represents a "nursery" of sorts and that the specimens dispersed after they attained sufficient strength in their arms to assist in moving with the currents. In lacking a stem they are free to move and there are no large (mature) associated cones although there is a considerable range in size within the juveniles present. Some modern comatulids (stemless crinoids) are known to move by pulling themselves along with some of their arms and as well by swimming for short distances. Growth stages are termed ontogeny and there is

a law of Wachsmuth and Springer "ontogeny recapitulates phylogeny." In other words, the young of one species will display characteristics of its progenitor. In the case of Agassizocrinus the ancestor no doubt possessed five discrete infrabasals and a stem but the youngest (smallest) specimen in the group at hand neither has a stem nor divided infrabasals. There is a depression at the point of attachment for a stem but no markings (cicatrix) for a juncture. A stem is known to have existed in larval stages of Agassizocrinus, just as one does in modern comatulid $\$$  which are stem-less in maturity, and in fact the rudimentary remnants of the stem are often found within the cone itself. The previously mentioned juvenile specimen of Agassizocrinus reported by Ettensohn does have a short segment of stem attached and retains sutures between infrabasals which is somewhat perplexing in light of my unrecorded material. In any event we are still looking for the predecessor of Agassizocrinus.

Another important collection of Agassizocrinus under study is from Chesteran rocks of the Chainman Mountains of the far west. These are all infrabasal cones save one juvenile which has some basal plates attached. The first and best preserved specimens known to me were donated by an Iowa alumnus Dwayne Stone, a professor at Marietta College, Marietta, Ohio, and also a MAPS member. Subsequently large collections from the same area were obtained from another Iowa alumnus, Claude Spinosa, a professor at Boise State College, Boise, Idaho, and from N. Gary Lane, a colleague and MAPS member/contributing professional writer.

Not mentioned previously were specimens contributed to the Agassizocrinus dissimilis study by MAPS members Al Hartman and Claude Bronaugh, or a report on A. patulus Strimple from Arkansas co-authored by MAPS member Craig Brown. There is much that has not been discussed. The genus was proposed back in 1875 by Owen and Shumard so obviously it has received attention for a considerable period of time. One might think that to be plenty of time to resolve all problems but the study of fossils is an ongoing process subject to new material, new information, new interpretations.

This account demonstrates the pattern of interaction which I have personally developed and enjoyed through the years, that is

cooperation between professionals and collectors. It is not difficult to envision the boon to our science which more of this type of interaction could stimulate.

\*\*\*\*\*

#### PROFESSIONAL/AMATEUR

(Ed. comment--In case Harrell's article on "Anatomy of a Crinoid Study" has not only been educational but made a believer of you as to the sincerity of this man, read on.)

An announcement at the Paleontological Society luncheon, an annual joint meeting with The Geological Society of America, New Orleans, October, 1982:

Harrell Strimple has made a contribution to the Society to establish an annual award (probably a plaque) for outstanding contribution by an amateur to the science of paleontology.

It was to be called the Raymond C. Moore Award but the council preferred to call it the Strimple Award.

The council has accepted the contribution and is in the process of setting up the mechanics for handling the matter.

What an honor it will be for the amateur who earns that plaque!

\*\*\*\*\*

#### NEEDED

More articles from specialists.

Not only do they teach us it would give direction to find whatever they are looking for.

It would encourage hunters to have perspective--an idea of what to look for.

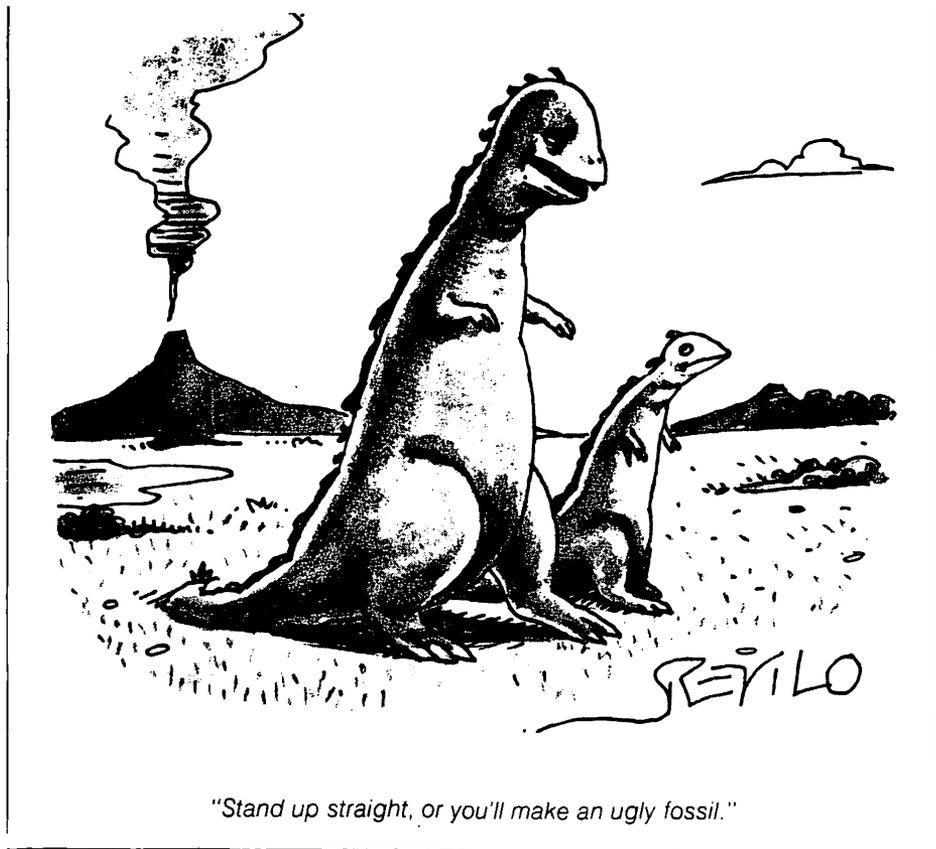
It would give procedures to use in the search.

How many times does the amateur completely overlook something because one is unaware what is there to find?

How many life forms have been destroyed because they were so curious as not to be similar to any known and so were randomly tossed aside.

How many collecting sites have been destroyed because in one's zeal to find the obvious the small rare fossil has been overlooked.

\*\*\*\*\*



100 OMNI

Well-brought-up people are afraid of having any experience which seems to them uncharacteristic of themselves as they imagine themselves to be. Yet this is the only kind of experience that is really alive and can lead them anywhere worth going. New, strange, uncharacteristic, uncharted experience, coming at the needed moment, is sometimes as necessary in a person's life as a plow in a field.

--Katharine Butler Hathaway  
THE LITTLE LOCKSMOTJ (Coward,  
McCann & Geoghegan)

\*\*\*\*\*

FOSSILS QUARTERLY -- Rate \$9.00 per year. Send check or money order to FOSSILS QUARTERLY, Dr. Richard L. Casanova, 3616 Garden Club Lane, Charlotte, North Carolina 28210.

GEORGE W. BROWN  
Rt. 4 Box 720  
Natchitoches, LA 71457  
318-352-3483

ROBERT D. DRACIUK  
6502 Oxford Drive  
Huntington Beach, CA 92647  
717-897-9441

ROY T. HASKELL  
Box 228  
Feura Bush, NY 12067  
518-439-4017

EDWARD HENNESSEY  
2719 Tyler Street  
Long Beach, CA 90810

GEORGE HESLEP  
624 S. W. 70th Terrace # B  
Gainesville, FL 32607  
904-577-1287

GENE HIMMAN  
Dept. of Geology, Cornell College  
Mt. Vernon, IA 52314  
319-895-8811

FRED S. LUMLEY  
9925 Highway 80 West  
Fort Worth, TX 76116  
817-244-1035

DOUGLAS E. SINCLAIR  
312 - 4th Ave.  
Charles City, IA 50610

ANTON A. SOBOLTK  
2120 Pioneer Road  
Dallas, OR 97338

GEOFFREY STRATTON  
331 Drayton Road  
Newton Longville,  
Milton Keynes, MK170BH, England

MARY & RICK WELLS  
2033 Lillie Avenue  
Davenport, IA 52804  
319-322-0827

THOMAS E. WHITELEY  
105 White Village Dr.  
Rochester, NY 14625  
716-586-1629

Archaeologist. Interested in all fossils.  
Will trade shark's teeth and crinoids.  
Wants to hear of different fossil areas.

Collects and sells fossils. Interested in trilobites, insects, fish, ammonites & likes all fossils. Will trade trilobites from Calif., Utah, & Canada; insects from Calif., and Canada, also some leaves.

Retired. Interested in all invertebrates. Will trade Devonian fossils from NY - trilobites, cephalopods, brachs, pelecypods, & gastropods.

Specializes in display specimens. Will trade fossils ranging from mesosaurs to sharks teeth.

Geology student-Chemistry. Interested in vertebrates, trilobites & crustaceans. Will take interested parties hunting if given advance notice. Will trade vertebrate teeth, jaw-sections, post-cranial elements, also Eocene foraminifera, echinoids, etc.

Professor of Geology. Has a general interest in invertebrates and vertebrates. I have a professional and personal interest in fossils.

Owner of FOSSILS UNLIMITED and THE MUSEUM ROCK SHOP, a division of FOSSILS UNLIMITED.

Retired. Interested in plant fossils & micro-mount of any fossils, shells, etc. Will trade plant fossils & some micro shell fossils from Florida.

Fitter machinist. Started collecting from balast heaps on building sites and quarries, overburden of gault clay & oxford clay. Collecting for 20 years.

Art & science teachers. Interested in all kinds of fossils. Will trade fossils and minerals.

Research scientist. Interested in trilobites. Will trade New York state trilobites. Desires to make more contacts with fossil collectors.

ADDRESS CHANGE, Please note:

JOHN IELLAMO, 228 Livingston Rd., Scarboro, Ontario,  
CANADA, M1E 1L7 416-267-9627

NATIONAL FOSSIL EXPOSITION V -- 1983

LOCATION AND TIME

EXPO V 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 south to the Union. Setting-up is permitted on Friday, April 15, beginning at 9:00 a.m.

EXPO HOURS: Friday 1:00 p.m. - 9:00 p.m.  
Saturday 8:00 a.m. - 5:00 p.m.  
Sunday 9:00 a.m. - 3:00 p.m.

BSMT FLOOR  
↑  
BANQUET - 6:00 RM.  
AUCTION - END THIS FLOOR

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 going to Macomb at this time, but we will provide free transportation from Moline, Illinois Airport if you will make ADVANCE arrangements with Gerry Norris 2623 - 34th Ave. Ct., Rock Island, IL 61201, 309-786-6505. Other cities close by include Galesburg, Illinois for Amtrak, Peoria, Illinois, and Burlington, Iowa.

LODGING

Persons traveling in self-contained camping units may park on the parking lot. See public safety in the Union. Designated parking across the street from the Union will be given.

There are four motels nearby. Macomb area code -- 309 Macomb zip -- 61455

Holiday Inn -- 1400 N. Lafayette -- 833-5571 or 1-800-238-8000  
Single \$34.70 3 people \$48.30  
Double \$43.05 4 people \$53.55

Star Motel -- 1507 E. Jackson Street -- 837-4817  
(Old Land Mark) Single \$18.90  
Double \$24.15

Time Out Motel -- 311 University Drive -- 837-4838  
Single \$23.10  
Double \$26.25 Extra people \$3.00 + tax at 5%

Travel Lodge -- 1414 West Jackson -- 833-4521 or 1-800-255-3050  
1 Double bed \$29.40 -- one or two people  
2 Double beds \$34.80 -- three or four people

These are special prices, therefore let them know you are with EXPO  
All above prices include tax

Union -- A few rooms, paid in advance, must be rented for both Friday and Saturday.  
Single \$46.00 3 people \$71.00  
Double \$63.00 4 people \$80.00 Rollaway \$6.00  
Infants free -- Children under 12 years \$3.00  
Union rooms will be spoken for by February 1. You may wish to be on standby.  
Contact Tom Walsh, 501 E. 19th Ave., Coal Valley, IL 61240 -- 309-799-3626.

DON'T FORGET -- IDENTIFY WITH MAPS. RATES WILL BE HIGHER IF NOT ASSOCIATED WITH MAPS. Reservations in advance are recommended.

PARKING

For those living in the Union parking will be east of the Union with room permits. For others visitor permits from Public Safety. Parking in specified lots. After 5:00 p.m. Friday ample parking will be available. Patience until 5:00.

MEALS Meals are available in the Union. Fast food stands in the lower level. There are restaurants in town and at least one grocery with a deli bar and chairs. A house specialty is the ice cream stand. Magnifique!!

BANQUET Saturday night, 6:00 o'clock, sit down roast beef banquet. Cost \$9.00. Includes tax and gratuity. IF REQUESTED IN ADVANCE a vegetarian plate for special dieters. If you are planning to attend the banquet please indicate this on your Registration Form. TICKETS TO BE PAID FOR AND PICKED UP AT THE REGISTRATION DESK AT EXPO.

EXPO REGULATIONS Everyone is requested to make advance registrations by MARCH 25th. Mark your calendars now. This done by sending the enclosed registration form with your table fees to: Tom Walsh, 501 E. 19th Ave., Coal Valley, IL 61240 phone -- 309-799-3626.

ALL TABLES WILL BE ASSIGNED. If you want a table next to someone, SAY SO WHEN YOU SEND YOUR MONEY. 6 ft. length table cost \$8.00 each for the week-end. New this year \$5.00 for half a table.

DISPLAYS We encourage displays. What a special addition they make for EXPO. Tables will be provided at no charge--no limit. Each person is responsible for his/her lights, extension cords, prong adapters, table covers etc. If you need a chair near your display indicate this on the registration form. Please give approximate dimensions of table space needed for you display/displays.

A L L R E S E R V A T I O N S W I L L B E A C K N O W L E D G E D

THE COMMITTEE INSISTS THAT ALL MATERIALS BE FOSSIL OR FOSSIL-RELATED. Mountings, gemstones, etc. are not permitted.

OTHER ACTIVITIES Everyone is requested to provide at least one nice specimen for the live auction. The specimen, with full data and name of fossil donor can be left at the information table up until 3:00 p.m. Saturday.

If you wish to mail your specimen, send it to Paul Rechten, (address below). We will send a postal acknowledgement on receipt of the mailed specimen.

The banquet held at 6:00 p.m. Saturday night (see above) will be followed by a short business meeting and then the LIVE AUCTION. Advance reservations for the banquet are requested.

A SOCIAL HOUR following the live auction. People come from coast to coast, Canada, and Europe. This year we will have an opportunity to sit down to say "hello."

Make all CHECKS PAYABLE to MAPS. If you have any questions, please contact any of the names below and we will endeavor to help you.

Show Chairman Gil Norris, 2623 - 34th Ave. Ct., Rock Island, IL 61201 309-786-6505  
 Table Reserv: Tom Walsh, 501 E. 19th Ave., Coal Valley, IL 60033 309 799-3626  
 Auction: H. Paul Rechten, 7405 Shields, Harvard, IL 60035 815-943-4178  
 Reception Desk: Allyn Adams, 612 W. 51st St., Davenport, IA 52806 319-391-5443  
 Field Trip: Doug Johnson, Box 184, Donnellson, IA 52625 319-835-5957  
 Liaison: Wallace Harris, 325 E. Franklin, Macomb, IL 61455 309-833-4869

NO ONE EXCEPT GUARD ALLOWED ON THE SHOW FLOOR FOR ANY REASON AFTER SHOW HOURS.

A post EXPO field trip on Monday, April 18--if it doesn't snow.

## A D V E R T I S I N G   S E C T I O N ---

Ads may be placed in the Digest for \$3.50 per inch (6 lines). Send information and checks made payable to MAPS to: Mrs. Gerry Norris, 2623 - 34th Avenue Ct., Rock Island, IL 61201

DINOSAUR FOOTPRINTS FROM our quarry, Triassic, \$25.00-\$50.00-\$75.00-\$100.00 and up, plus postage. Also fossils, minerals, Indian relics, ancient relics.

GRANBY DINOSAUR MUSEUM, 194 W. State St.,  
Granby, MA 01033 -- 413-467-7822

\*\*\*\*\*

FOR SALE

Stylemys nebrascensis (tortoise) SKULL, SHELL, forelimb, prepared and mounted. For more information call or write: DOUG JOHNSON, p. O. Box 184, Donnellson, IA 52625 -- 319-835-5957

\*\*\*\*\*

MALICKS' FOSSILS, INC. INVITES your correspondence. Catalog #25 will soon be available. Over 13,000 species of fossils in inventory. I'm prepared to purchase unusual fossils, estate collections. Do you collect fossils that I don't list in my catalog? Add spice to your collecting activities by communicating with me.

MALICKS' FOSSILS, INC.  
5514 Plymouth Road  
Baltimore, MD 21214  
301-426-2629

BRACHIOPODS PURCHASED: Individual specimens or stratigraphic collections of Paleozoic brachiopods wanted for private collection. I pay exceptional prices for exceptional quality. I am not interested in damaged material or seconds. Please write, giving description, locality and stratigraphic information on your specimens. All Paleozoic species are of interest.

STEVE TUFTIN, 370 E. 11th Avenue, #802  
Denver, CO 80203

-----  
NATIONAL FOSSIL EXPO V REGISTRATION FORM

Please complete the form below, enclose a check payable to MAPS, and mail to Tom Walsh, 501 E. 19th Ave., Coal Valley, IL 61240, before March 25, 1983.

Name: \_\_\_\_\_ PHONE NO: \_\_\_\_\_ / \_\_\_\_\_  
area

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_

\_\_\_\_\_ YES, I will provide a display for EXPO. It will require \_\_\_\_\_ linear feet of table.

\_\_\_\_\_ I request (Number) of 6 foot tables for selling-swapping. The cost is \$8.00 per table for the weekend. I have enclosed a check in the amount of \$ \_\_\_\_\_. I DO DO NOT need a chair.

\_\_\_\_\_ Banquet Tickets: Cost \$9.00 each \_\_\_\_\_ (Number Required)-Request special diet \_\_\_\_\_ (Number Required) same price.

\_\_\_\_\_ I request to be next to \_\_\_\_\_ for my sell-swap table.

\_\_\_\_\_ Will you help run the EXPO?

\_\_\_\_\_ Front desk -- Fri. \_\_ a.m. \_\_ p.m. \_\_ eve. 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 -- 3-3:30 3:30-4:00

\_\_\_\_\_ Make large directing signs for highway exits to Union.

A HEARTY THANKS -- SEE YOU AT EXPO!!

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.

MAPS is affiliated with the Midwest Federation of Mineralogical and Geological Societies, and with the American Federation of Mineralogical Societies. Membership in MAPS is open to anyone, anywhere who is sincerely interested in fossils and the aims of the Society.

Family membership \$7.00; individual membership \$7.00; junior membership \$5.00 (between ages 8 and 16).

MAPS meetings are held on the 1st Saturday of each month (2nd Saturday if inclement weather) October through May at 2p.m. in the Science Building, Augustana College, Rock Island, Illinois.

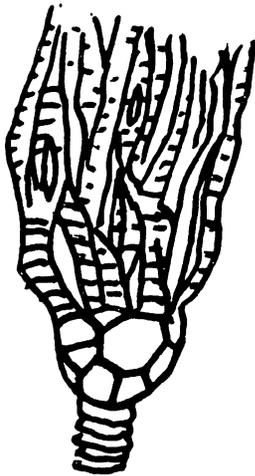
President: Don Good, 410 N.W. 3rd Street, Aledo, IL 61231

1st Vice President: Doug Johnson, Box 184, Donnellson, IA 52625

2nd Vice President: Alberta Cray, 1125 J Avenue, NW, Cedar Rapids, IA 52405

Secretary: Peggy Wallace, 290 South Grandview, Dubuque, IA 52001

Treasurer: Allyn Adams, 612 W. 51st Street, Davenport, IA 52806



FIRST CLASS MAIL

## CYATHOCRINITES

MID-AMERICA PALEONTOLOGY SOCIETY

Madelynn M. Lillybeck  
MAPS DIGEST Editor  
1039 - 33rd St. Ct.  
Moline, IL 61265

Dated Material - Meeting Notice