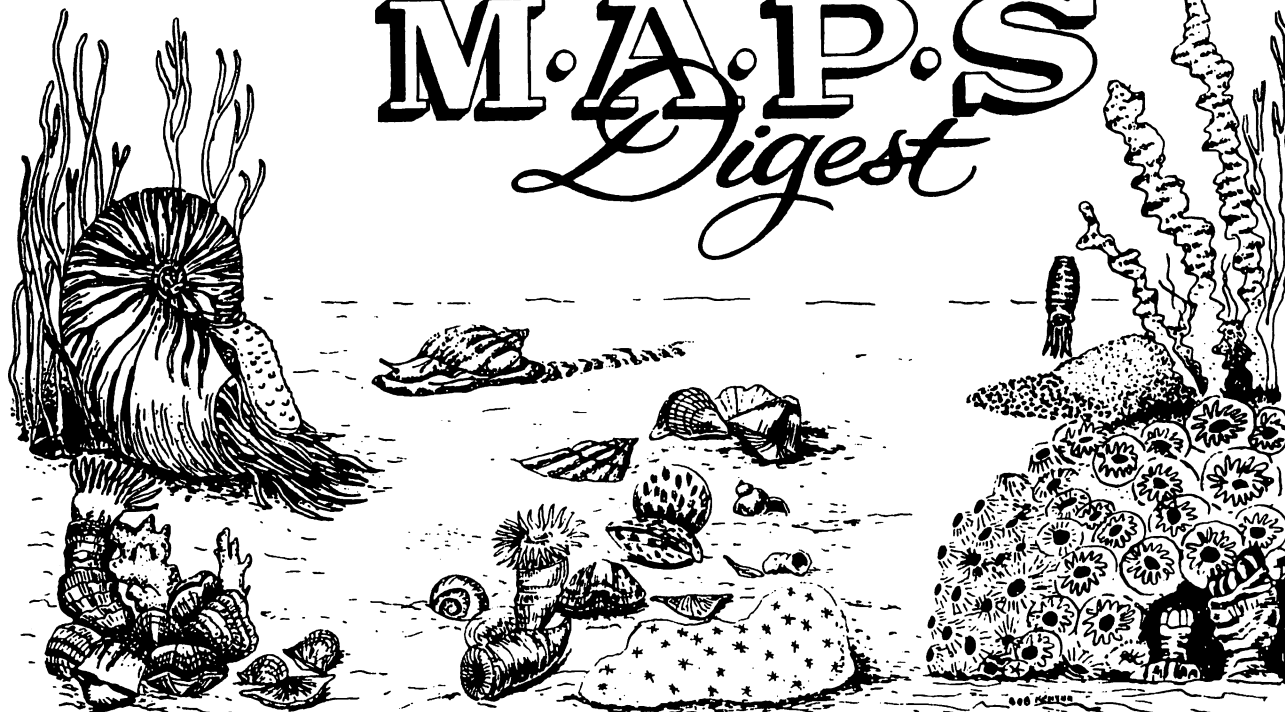


M.A.P.S. *Digest*

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Official Publication of
Mid-America Paleontology Society

Summer, 1983

Summer is upon us. This issue of the DIGEST ends another season. Expect your next DIGEST late in September. A quick capsule of what is happening at MAPS headquarters.

A visit to an attorney by Board members has set in motion legal wheels to qualify MAPS as a "fraternal society devoting its net earnings exclusively to charitable, scientific, literary, and educational purposes." The translated legal jargon means MAPS will soon have tax exempt status. The major benefit to you will be your donations to the auction at EXPO will then be deductible. Any clubs which identify themselves with MAPS will be able to enjoy the same legal status as MAPS.

Membership changes somewhat but we continue to grow. MAPS is assuming leadership in 1) establishing an International List of Paleontological Societies. (Several other paleo societies have had similar ideas. Probably all that is needed is the structure to cause this to happen). Elsewhere in this issue is that beginning. Perhaps such a list will be well enough organized to be incorporated into the 1984 Membership Directory; and 2) establishing greater communication between the pure scientist and the lay scientist. Support

(continued page 2)

MARK YOUR CALENDARS

JULY -- NO MAPS MEETINGS OR FIELD TRIPS SCHEDULED

8 July -- Eastern Federation
10 Charleston, WV

14 July -- Midwest Federation
17 Kalamazoo, MI

4 Aug -- Northwest Federation
7 Spokane, WA

5 Aug -- MAPS MEETING -- Bedford Rock Swap
6 Bedford, Indiana
7 MAPS Program, Friday evening

3 Sept -- MAPS FIELD TRIP -- Humboldt Quarry
4 Humboldt, Iowa
5 Alberta Cray, Cedar Rapids, IA

9 Oct -- MAPS FIELD TRIP -- You'll hear more.
Don Good, Aledo, IL

28 Oct -- Austin Paleontology Show -- MAPS
29 "FOSSILMANIA" -- Pottsboro, TX, 8 mi.
30 west of Denison -- Don O'Neil
8919 Georgian Dr., Austin, TX 78753

11 Nov -- South Central Federation
12 Dallas, TX

5 Nov -- MAPS MEETING -- Augustana College
Rock Island, IL

1984 -- EXPO VI -- APRIL 13, 14, 15. READY?!

SECRETARY'S REPORT

(continued from page 1)

The May meeting of MAPS was called to order at IBEW Hall, Cedar Rapids, Iowa, May 7, 1983, by pro tem chairman, Peggy Wallace. 18 members attended. Treasurer, Allyn Adams reported the May 1 balance \$5,6637.32. Gil Norris moved the report be accepted, Bud Cray seconded, motion was carried.

There were 3 items of new business. Don Good moved that Al Adams, Gil Norris and Madelynne be appointed a committee to meet with the lawyer to explore a tax exempt status for MAPS, that the committee be empowered to act on the recommendations of the attorney and that MAPS will assume costs. Bud Cray seconded the motion. It was carried.

Gil Norris moved that specifications for sponsoring EXPO 86 be published in the DIGEST. Any agency wishing to sponsor EXPO should submit an application by February 1, 1984. Members will vote at EXPO 84. Bud Cray seconded the motion. It was carried.

Gil Norris moved that the editor publish in the DIGEST information about the International List of Paleontological Societies we know about and solicit information about other like groups. A tentative meeting of representatives of these groups is suggested for FOSSILMANIA, Pottsboro, Texas, October 28 - 30, 1983, to discuss the formation of a Fossil Confederation. Don Good seconded the motion. It was carried.

Al Adams reported that the MAPS information sheet needed to be rewritten and reprinted.

Field trips for the summer of 1983 are May 15 Tama/Montour with the Cedar Rapids Club, June 4-5 Winterset, Iowa meet at city park at 10 o'clock, Bob Wolfe and John Pone leaders. Second or third weekend of June, Oskaloosa, Iowa, Jeff Nekola, leader. August, Bedford Swap, September, Labor Day weekend Humbolt Quarry, Rockford, Iowa, October, Don Good leader site to be announced in September DIGEST.

Meeting was adjourned.

Respectfully submitted
Peggy Wallace, Secretary

Phone correction CARLOS BAZAN 512-366-2377

to MAPS by Harrell Strimple and Dr. N. Gary Lane is invaluable, also Dr. Charles Petersen and Dr. John Chiment and more recently graduate student Alan Goldstein. In the exchange bulletins more and more articles appear by professional paleontologists and more and more programs are handled by professional paleontologists. A publication to incorporate these articles from the International List of Paleontological Societies would be exciting. One paleontological society already has begun such a publication and is mailing it internationally (see THE MOSASAUR p. 3), and, of course, Dr. Richard Casanova's FOSSIL QUARTERLY. More of you are discovering new species and with the cooperation of the pure scientist are helping to fill evolutionary gaps and crevices.

A new member from Bolivia means we have opened up a new continent. This is probably thanks to the efficiency and hard work of former Publicity Chairman, R. W. Heinisch, Indianhead Park, Illinois. (a challenge, Tom--we're in 5 continents, want to try for 6?)

The DIGEST has enough professional substance to be of interest to at least one University library so this year a thrust will be made to have it accessible to more geologic environments. Pretty heady and a bit frightening.

There are field trips scheduled throughout the summer and early fall, (see Calendar of Events). It's never too soon to be gathering specimens for EXPO VI. Be careful when collecting whether by the sea, a road cut, a quarry, a mine, a mountain top, or a glade.

Wherever the warm days of summer take you may you find friends and those gorgeous, awesome fossils--both testimony to a Supreme Being.

FIELD TRIPS

July in the midwest is usually too hot to make field trips practical. However, Labor Day Weekend Alberta Cray, 1125 J Avenue, N.W., Cedar Rapids, IA 52405, has planned for a visit to the quarry at Humboldt, Iowa. Plans are to meet in the Hy Vee parking lot at 10:00 a.m., Saturday September 3. Some of you visited this quarry last year. To those of you who did not, it was a good trip. Put the date on your calendar and contact Alberta if you are interested.

The October field trip scheduled the first Saturday of October--October 1. Don Good, Aledo, Illinois, will lead us to tantalizing fossils. The first issue in the fall will precede that field trip so look forward to the DIGEST the end of September and more information.

ALERT

A bill has been introduced in Congress, HR2379, National Parks & Monuments Buffer Zone Bill, which would put a 10-mile buffer zone around parks and monuments. This bill was introduced by Congressman Seiberling, Ohio. There is a power struggle in the house (sic) right now. Seiberling wants to be the powerhouse on environment.

There is an urgency to put pressure on Congressman (sic) NOW, as Seiberling wants to introduce bill (sic) on July 11.

Such a bill will affect mining, rockhounding, as well as fossil collecting....

A tollfree Mailgram number is 1 (800) 257-2241....

Judy Owyang
West Los Angeles, CA

THE MOSASAUR

A New Paleontological Journal, published by the Delaware Valley Paleontological Society, ISSN 0736-3907.

The Delaware Valley Paleontological Society, an association of amateur and professional paleontologists, has published the first issue of THE MOSASAUR, a new paleontological journal. The first issue is over 120 pages in length. The price: \$6.00 for individuals \$12.00 for institutions. Checks/bank drafts/international money orders in US dollars should be made payable to the Delaware Valley Paleontological Society and sent to:

The Mosasaur
c/o William B. Gallagher
Department of Geology D4
University of Pennsylvania
240 South 33rd Street
Philadelphia, PA 19104

THE MOSASAUR will have a unique niche among paleontological journals with the types of

articles that it will publish and the audience to which it will be directed. An editorial policy for the journal has been designed to bridge the gap between the amateur and professional communities, publishing articles of interest to all.

Since most of the paleontological journals being published are specialized and quite narrow in scope, there are certain types of information that have no easy outlet for publication. These include paleobiogeographic data locality descriptions, collection and preparation techniques, and the history of paleontology, to name a few. THE MOSASAUR will publish articles on these subjects, written by both amateurs and professionals. All articles selected by the editors will be refereed. (sic).

OPEN LETTER

To all of the MAPS officers and members who helped put on Expo V, and members who attended, thanks for a terrific time. It was great seeing old friends and making new ones. Although the prime purpose of MAPS Expo is the exchanging of fossils the exchanging of knowledge and fellowship are, to us, even more rewarding.

The field trip, on Monday, was great the sun warming us as we collected. Once again, to all involved, many thanks and we hope to see you in Texas in October.

Jim and Sylvia Konecny
Prescott, AZ

INVERTEBRATE FOSSILS

MOORE, LALICKER, FISCHER

The price of this reference has been \$26. Recently when William F. Ray, 10 Tamwood Circle, Simpsonville, SC 29681, set out to buy a copy he found the price had advanced to \$45. Quite an increase.

If anyone has a second copy or knows of a book store with a lower price, please contact William.

BOOK DEALERS

Albert G. Clegg, 312 W. Broad Street, Eaton Rapids, MI 48827 -- 517-663-8428

Some MAPS members have had good luck here.

BOOK DEALERS, Continued

This dealer has been listed twice but letters are returned. Thanks to Irene Offeman, Houston, Texas, here it is again:

Raymond N. Pheifer, 9119 Benthos Dr.
Houston, TX 77083

BOOK REVIEW

Fossils: The Key to The Past

by Richard Fortey

Van Nostrand-Reinhold, \$24.95

This work can best be termed an introductory primer and survey for the amateur enthusiast. Mr. Fortey starts at ground zero, detailing some of the curious history of paleontology and the succession of hypotheses that have been supplied to explain the presence of fossils in rocks.

The declared orientation of this book is on 'the process' of paleontological knowledge and technique. Discussion of the nature of geological time and radiometric dating systems mixes with classification of preservation modes and synopses of basic stratigraphy, continental drift and other geological dynamics. Mr. Fortey makes a studied effort to introduce the reader to terms and concepts crucial to further understanding of fossils, highlighting these for ready reference.

Illustrations and pictures have a distinct British emphasis and are quite adequate even though the author vows that pictures are of secondary importance to the text. However, there is the possibility that the reader may be misled by an indistinct differentiation between the numbering of plates and the numbering of pictures.

While this work deals with various themes in progressive sections, this reviewer felt that these analytical tools could have been more invitingly exposed and arrayed through a case-method approach to an exemplary fossil locality. This would have given some pep to the book. As a final note not to be diminished in these days of substitute materials, I must compliment the publishers for giving us a volume of robust physical construction.

Edward Hennessey
Long Beach, California

NEW BOOK --

The Genesee Valley Fossil Section, Rochester Academy of Science has just published a Guide to Fossil Collecting in New York State by John A. Rivers and Richard D. Hamell. The book contains a short description of the various phylum of fossils and how to collect as well as identify and catalog them. Fossil collecting sites are listed for forty-three of the counties in the state. The publication which has 98 pages including 17 plates may be ordered for \$7.50 plus \$1.75 for postage and handling from John A. Rivers, 47 Revella Street, Rochester, NY 14609. Checks should be made payable to Genesee Valley Fossil Section, RAS.

John A. Rivers
Rochester, New York

SEDIMENTARY NOTES -- This time they're a plea.

Dr. Charles J. Peterson, Department of Physics, University of Missouri, Columbia, MO 65201, would be interested in trading for some old Geological Survey folios.

Richard D. Hamell, Dept. of Geosciences, Monroe Community College, 1000 E. Henrietta Rd., Rochester, NY 14623 needs some assistance. He wants to get in touch with the person who sold the "dinosaur" coins (from cereal boxes) at the EXPO.

Madelynne Lillybeck, 1039 - 33rd St. Ct., Moline, IL 61265, would like to locate whoever it was at EXPO who had the opalized pelycopods.

NEEDS YOUR HELP

John A. Rivers 47 Revella Street, Rochester, NY 14609 is gathering comments to be used in forming a guide list for use in fossil trading.

This is a request for comments from the membership. John would like to obtain comments on: how to determine what and how much to send in to a swap; determine the quality of the specimens and how much importance to put on quality and preparation; how much and what information should be supplied with the specimen; any other comment which can be used in making a satisfactory swap.

When the guide list is completed you will hear more.

11 March 83

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DR. DAVE BOHASKA, Calvert Marine Museum, P.O. Box 97, Solomons, MD 20688. Very little known except this is a small very competent group.

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THE CHICAGO AREA PALEONTOLOGICAL SOCIETY has been formed to promote: *Continual Educational Interests in Areas of Paleontology *Closer Working Relationships Among Amateurs and Professionals *Dissemination of New Information and Research

SERIOUS AMATEUR PALEONTOLOGISTS INVITED FOR ACTIVE MEMBERSHIP

Full Program and Study Guide Provided For Active Members at Meeting

Paper presentations at meetings have included: Ordovician Fauna--Plateville Fm; Pennsylvanian Period--Shrimp; Echinoderms--Starfish; Pit 15--Pennsylvanian Period.

Meeting Information: Second Saturday of Each Month, 7:00 pm, Blue Island Community Service Center, 12812 S. Western Avenue, Blue Island, IL 60406.

For more information write or call: David Hutchison, 1506 Holly Lane, Munster, IN 46321 (219) 838 8599 or Paul Caponera, 2339 Collins Street, Blue Island, IL 60406 (312) 389 4452.

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THE DELAWARE VALLEY PALEONTOLOGICAL SOCIETY is a non-profit organization which was founded in 1978 with the purpose of obtaining and sharing information on fossils in general, but particularly those of the Delaware Valley. Anyone with an interest in paleontology may join DVPS to further their interest in this fascinating science.

Regular monthly meetings are held at 7:30 pm on the fourth Thursday of each month (except July and August) at the Academy of Natural Sciences, 19th and the Parkway in Philadelphia. Professional speakers are invited to these meetings and members are also encouraged to present their experiences involving field work or other material of interest to the membership.

A monthly newsletter is sent to each member as part of their Society membership. It includes information about the speaker and program topic for each upcoming meeting, field trips and events, committee meetings and topical information and essays.

The annual journal, The Mosasaur, is currently mailed as an extra membership benefit.

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DRY DREDGERS "an Association of Amateur Geologists and Fossil Collectors". This group works closely with the University of Cincinnati Department of Geology, Cincinnati, OH 45221.

Coincidentally their annual fossil show and MAPS annual EXPO seem always to fall on the same dates. Dues are \$6 family, \$4 single, and \$2 student. There is a monthly newsletter.

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THE FLORIDA PALEONTOLOGICAL SOCIETY, INC., founded in 1978. A publication The Plaster Jacket is more like a brochure than the traditional newsletter, (editor's opinion).

This organization is associated with the Florida State Museum, University of Florida, Gainesville, FL 32611.

Annual dues \$6. Back issues of The Plaster Jacket \$2.

This society sponsors 2 summer workshops on the Thomas Farm Dig. This is an annual event under the auspices of the University and Fossil birds are carefully hunted.

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THE FOSSIL COLLECTORS ASSOCIATION OF AUSTRALASIA founded June, 1979, over 100 members.

F. C. Holmes, 15 Kenbry Rd., Heathmont, Vic. 3135, Australia. "We need as many members as possible, provided of course they are genuinely interested in fossil collecting and the study of palaeontology. All we ask is that you tell your friends about the Association".

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FOSSILS FOR FUN SOCIETY, INC, founded in 1964, 236 members.

The Fossils For Fun Society is a non-profit organization formed with the purpose of promoting fellowship, to gain and disseminate knowledge through the study of fossils.

A) In order to promote a better understanding of, and further interest in the study and enjoyment of fossils, artifacts, and related subjects; B) To seek, study, preserve and present educational displays of evidence of early

fossil life; C) To publish and distribute educational information.

Educational meetings are held on the second Thursday of each month at the Sacramento Science Center, 3615 Auburn Boulevard, Sacramento 95819. Special speakers, exhibits, refreshments and door prizes at each meeting. Guided field trips to fossil collecting areas as places are available. Expert amateur and professional persons are available to assist in classifying and identifying your materials. We also have speakers available for organization and school programs. At the present time we have members in twenty six states, Canada, Australia, New Zealand and Saudi Arabia. A bulletin "Dinny's Doin's" is published eleven months of the year.

Membership \$5 single, \$2 each additional family member. Junior \$3

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GENESEE VALLEY FOSSIL SECTION, ROCHESTER ACADEMY OF SCIENCE. Current membership 61 persons.

Meet on the first Tuesday of each month. At this time a speaker is present, usually from the professional geologists or paleontologists in this area. In addition to the professional speakers club members sometimes present the program. Membership is \$11 per year.

Bulletin FOSSILETTER is sent monthly. Contact Treasurer, Jon Dombrowski, 36 Southcross Trail, Fairport, NY 14450. (This organization is unusually cooperative and reinforcing in the world of paleontology--ed.)

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MID-AMERICA PALEONTOLOGY SOCIETY (MAPS) was formed February, 1978, 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.

Family membership \$7, junior \$5. Meetings the 1st Saturday of each month October thru May, 2 p.m. in the Science Building, Augustana College, Rock Island, IL 61201.

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THE MONMOUTH AMATEUR PALEONTOLOGY SOCIETY (MAPS) (that's right, there are two of us. I just have that name and address but no information--ed.)

More information: Mr. Ralph Johnson, 57 Oceanport Avenue, W. Long Branch, NJ 17764.

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PARKS PALAEONTOLOGY SOCIETY. This society is presently not so active as it once was but it is also our only contact in Canada at this time.

Write Hilda Finnigan, 601-700 Kingston Rd., Toronto, Ont. M4E 1R4, Canada

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THE PALEONTOLOGICAL SOCIETY OF WASHINGTON. Last known President, Frederick J. Collier, Collections Manager, Dept. of Paleobiology, Room 206 East, Smithsonian Institution, 10th & Constitution Avenue, Washington DC 20560.

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THE SOUTHERN CALIFORNIA PALEONTOLOGICAL SOCIETY. Founded 5 January 1960, is a non-profit organization and pledges itself to work in co-operation with scientific institutions and for the preservation of the fossil record. Participation is invited in the program to collect, preserve and study paleontological material. The permanent mailing address is 4755 Baltimore St., Los Angeles, CA 90042.

The Society meets on the first Thursday of each month at the George C. Page Museum, 5801 Wilshire Blvd., Cos Angeles CA 90036.

Membership is (I believe, ed.) \$10. Newsletter the BULLETIN is published bi-monthly.

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Not all the above Societies received the International Network Letter (my own name, ed.) because some names were received after the letter was sent. The organization, I realize is not even consistent, but it is a beginning for an exciting project by someone or ones.

A special thanks at this point to Stephen Farrington, Delaware Valley Paleontological Society, for his help and reinforcement. If there was an organization with Stephen, John Rivers, Rochester, NY, Arbor Hutchinson, Sacramento, CA, Gil Norris, Rock Island, IL and believe me, I would be a part of that organization, probably they'd be finding fossils on the moon by now. There are so many special people out there--yep, you'd have to add Jim & Sylvia Konecney to that list.

Those people write encouraging all the time.

THE PROFESSIONAL'S CORNER -- Dr. N. Gary Lane -- Copyright, 1983

Geology Department

Indiana University

Bloomington, IN 47405

ILLUSTRATING FOSSILS -- No. 5

There are several choices as to type of black-and-white film to use with a 35 mm camera. Generally speaking you will want to use a slow film, which is finer-grained, and grain-size becomes important if you enlarge the negative very much. Kodak Panatomic-X and Plus-X are both satisfactory. The main objection to these is that they tend to give a neutral or gray image that lacks contrast. Maximum contrast, resulting in a "snappy" print is desirable. Contrast can be increased by altering the light arrangements, and by slightly underexposing the film and then slightly overdeveloping it.

A newer film that is very fine-grained at slower speeds is Agfapan Vario-XL. This has a variable ASA speed from 125 to 1600 so that it can be used under a wide variety of lighting conditions. You should use it at the slower speed settings for maximum detail. One drawback with this film is that it must be developed with an Ilford XP1-400 developer kit, which costs about \$10. In other cases you should use a reasonably fine-grained developer. Microdol or D-76 are both satisfactory.

In developing 35 mm film I much prefer to use a plastic apron that is available in which to roll up the film--it looks like a long, skinny lasagna noodle. Unless you do a lot of photography and keep in practice, loading the film onto a metal reel can lead to the film touching itself and destroy some frames. Once you have obtained satisfactory negatives then you are ready to make prints of them, the subject of the next article.

* * * * *

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

904 Bowery

Iowa City, IA 52240

SOME THOUGHTS AND COMMENTS

There was considerable doubt that my wife and I would be able to attend EXposition V but we did manage to get there albeit our stay was short so that I did not get to visit with many who were there. I wish to apologize to all those who I missed. If anyone wishes to write to me I always attempt to keep up correspondence to the best of my ability. Several favorable comments were made concerning my contributions to the MAPS Digest which gave me considerable encouragement. My intent is to provide information and to present it in an interesting yet factual manner. Sometimes it is possible but I am sure that some of it gets to be rather heavy stuff; sorry about that. As long as I am able to do so, and it pleases the readership, I will continue to attempt to share the joy and excitement I find in paleontology with you. It is a wonderful hobby as well as scientific avocation or profession. The potential for learning is without end no matter how long one spends in study and observation. For every problem that is solved there are usually two or three new problems developed.

It might be well to emphasize again that most of my writing in the Digest is a series and the reader should keep a file of the issues so they are able to refer back. For example, it is not practical to provide a sketch designating the various parts of a crinoid in every article.

The exhibits at Exposition V were, to put it mildly, superb. There was a considerable amount of material available that would grace any museum. I am not immune to the thrill of seeing an outstanding specimen of say a ray-fish from Solenhofen, Germany, an exquisite echinoid from the Cretaceous of Texas, a magnificent ammonite with shiny exterior and spectacular sutures from the Bad-Lands.

Surprisingly there were even some moderately priced specimens which were quite good. As a matter of fact I purchased an excellent crown (cup with arms attached) of Ulrichicrinus coryphaeus (Miller) from Indian Creek, Montgomery County, Indiana. The original (type) specimen of this particular species came from Indian Creek and was not recognized by Van Sent, in Van Sent and Lane, 1964, among the crinoid fauna from Crawfordsville. As Lane has pointed out elsewhere in the Digest the horizon and fauna found on Indian Creek is slightly different from the Crawfordsville area.

Membership in MAPS at \$7.00 a year is perhaps the best bargain around in this day and age. One is hard pressed to buy one decent meal out at that price. The entire Digest is devoted exclusively to fossils and many reports deal with events as they happen as well as facets never reported elsewhere. There is something

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.

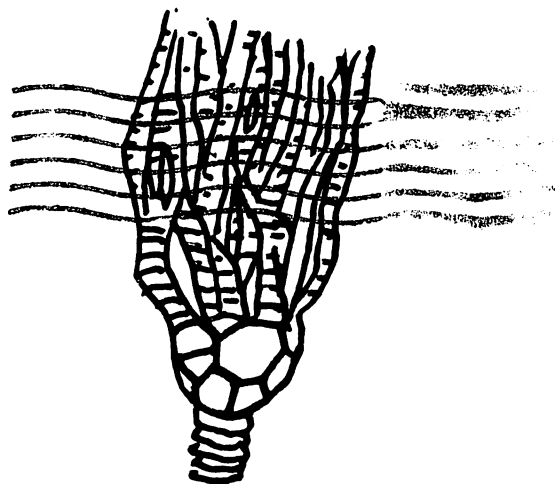
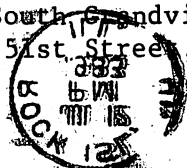
President: Doug Johnson, Box 184, Donnellson, IA 52625

1st Vice President:

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

Allyn & Dorris Adams

612 W. 51st Street

Davenport, IA 52806

Dated Material - Meeting Notice