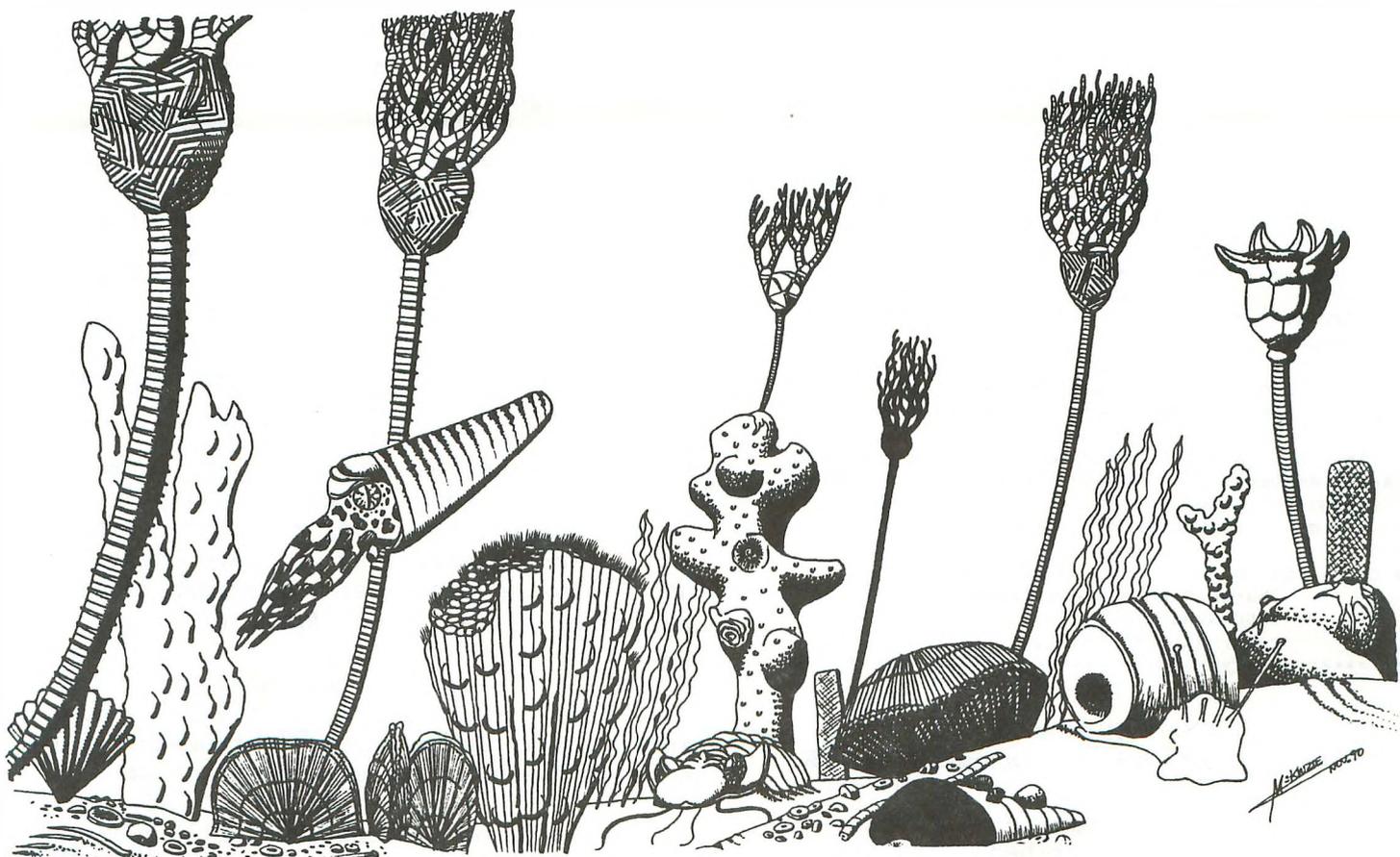


# M.A.P.S. *Digest*

Official Publication of  
Mid-America Paleontology Society

Volume 14    Number 5  
May, 1991



**MARK YOUR CALENDARS**

4 OCT EIGHTH ANNUAL "BVFS FLORIDA FAIR"  
 5 1991, Best Holiday Trav-L-Park,  
 6 7400 Cypress Gardens Blvd., Winter Haven, FL.

Friday: 9 - 5  
 Saturday: 9 - 5  
 Sunday: 9 - 3

For more information contact:  
 Eric Kendrew  
 4436 Tevalo Drive  
 Valrico, FL 33594

1 NOV FOSSILMANIA IX, OAKDALE PARK,  
 2 GLEN ROSE, TEXAS  
 3

Friday: 10 - 6  
 Saturday: 9 - 6  
 Sunday: 9 - noon

Details will be published in the Summer issue of the Digest.

24 APR 1992 MAPS National Fossil Expo-  
 25 sition XIV  
 26

the faunas of the Lebanon limestone of central Tennessee and the Plateville group of the northern Mississippi Valley.

The Carabocrinus Bed received its name because of the abundance of plate and stem fragments of the cladid inadunate crinoid *Carabocrinus treadwelli*. This form is represented by five individuals, including one juvenile growing on top of a bryozoan colony. I have yet to collect a complete specimen from this locality, though I have collected hundreds of plates. Most of the plates are overgrown by a thick layer of diagenic calcite which could be related to the calyxes being exposed at the surface for some time before burial. This would also explain the lack of complete crowns from this spot.

The other stalked echinoderm is the highly unusual disparid inadunate crinoid *Acolocrinus arbucklensis*. Instead of arms, the uppermost plates have been modified into crests with a flat shelf bearing ambulacral grooves. I show this species with the plates open like the petals of a flower, but it has only been found as a fossil with the crests closed.

There are numerous and varied forms of bryozoans including ramose, branching, encrusting, and domal. Bryozoans are epifaunal filter-feeders, and I have identified the following species: *Prasopora fritzae*, *Hallopora ramosa*, and *Rhindictya mutabilis*. There are numerous others. The problem with bryozoans is that most species are identified using microscopic examination. Almost invariably, bryozoans from here have at least one holdfast attached to them.

The other type of epifaunal filter-feeder is the brachiopod. Throughout the Middle Ordovician in North America, the orders Strophomenida and Orthida were the dominant groups. This locality is no exception. Over 40 species of brachiopods have been described from the Mountain Lake member.

(See page 4)

\*\*\* 91/05 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--91/05 means 1991/May. 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 Sonnleitner, Treas.  
 4800 Sunset Dr. SW  
 Cedar Rapids, IA 52404

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**ABOUT THE COVER**

by: Mark G. McKinzie, Oklahoma City, OK

This seascape represents fossils collected from a previously undescribed "Carabocrinus Bed" of the Mountain Lake member of the Bromide formation. The locality is situated at the extreme northern end of the Arbuckle Mountains near Davis, Oklahoma. The rocks are of Middle Ordovician (Blackriverian) age, and closely resemble

**EXPO XIII--LAGERSTATTEN**

EXPO XIII is now history, but memories of it remain fresh. Again there were lots of members returning to renew friendships as well as buy, sell, trade, or just look at fossils. But mixed in among the familiar faces were lots of new ones, and that's always a pleasure to see.

Friday night's speaker, **Dr. Desmond Collins**, Royal Ontario Museum, kept the crowd entertained as well as interested with his slide show talk about the fossils of the Burgess Shale. **Paul Rechten** organized Saturday's auction; auctioneers **Jim Konecney** and **Maggie Kahrs** kept things moving; **Ken Smith** and **Marv Houg** helped keep the bidding straight; and someone even bought the hat right off Marv's head. On Sunday morning **Dr. Merril Foster**, Bradley University, presented a seminar on the Mazon Creek fossils, and reports were that it was great.

At the business meeting Saturday night, President **Gil Norris** presented **Marv Houg** with the Don Good award and **Tom Witherspoon** with the President's award. Also at the meeting, we raised the question of how to handle the sale of tables. Tables were limited to two per person this year in an effort to make sure that everyone who wanted a table would have an opportunity to get one. However, some members thought we should look for a larger facility or use some extra rooms at the Union to accommodate some of the larger dealers rather than limit tables. Another suggestion was to charge a progressively higher price for each succeeding table after the first two. A committee will be appointed to study the problem and find a solution. We're open to input from the membership.

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**FOUND AFTER EXPO**

Found after EXPO by loading dock: two small recent animal skulls and twenty-eight strands of natural stone necklace in boxes. Owner please contact Allyn Adams, 612 W. 51st St., Davenport, Iowa 52806

**LETTER TO THE EDITOR**

As one of the 22 charter members of MAPS, I was disturbed with the discussion of the 2 tables limit per person at EXPO, April 20. I think we are losing our goal: "The Love of Fossils Brings Us Together."

Yes, we could use more space. MAPS was started for people interested in fossils to find each other to trade, identify, and study. It was not to compete for tables to sell fossils and make money. Yes, it is nice to sell enough to help with expenses for the weekend. I still remember that Don always had a "want" list each year to add to our collection.

Members from afar must remember we have a very small nucleus of 15 to 20 members who live close enough to attend monthly meetings. This is the group that must plan and try to please everyone. Lets keep our eyes and hearts on the goal of the friends we have made and the fossils we have gained in the 14 years we have met at EXPO.

God Bless Everyone,  
Jo Ann Good

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**A NOTE ABOUT HOSPITALITY**

Have you been asked to be a host of a MAPS member? Have you wanted to be a guest? Some questions have been asked about what hospitality is expected of MAPS members.

We'd like to state that MAPS membership does not imply that a member is required to provide free room or board or any other services to another member, and members visiting other areas should not expect to receive such services.

It would be nice, if possible, if MAPS members would show or direct a visiting MAPS member to a place to find some fossils. But, again, that courtesy is optional and not implied in MAPS membership.

**OZARK FOSSIL SNAILS AND SNAIL-LIKE FOSSILS**

by B. L. STINCHCOMB

4236 Ringer Rd., Mehlville, MO 63129

Ozark strata of Cambrian age and related strata of lowermost Orcovician age contain a plethora of fossil mollusks, some of which are quite peculiar. Snails, or gastropods, are among some of the most frequent fossil finds in Ozark rocks. Most of them belong to the relatively primitive class of gastropods called archeogastropods and are of the suborder pleurotomaria, members of which have an exhalant notch or slit. This slit shows on the fossils as an embossed band running down the middle of each whorl of the shell.

Pleurotomarians appear in abundance in the Eminence Formation at the very top of the American Upper Cambrian. (The top of the European Upper Cambrian is drawn a bit higher into what would be Ordovician strata in North America.) Here are found lots of specimens but not much diversity. This speciation or diversity comes later within the pleurotomarians. Associated with these "proper snails" is a variety of "improper forms," which include the planispiral and symmetrical bellerophonts and the "left-handed" coiling (sinistrial or hyperstrophic) forms of the Maclurids (Suborder Macluritina).

Some of the most abundant, peculiar and distinctive of these are the left-handed or sinistrial-coiling *Kobayashiella*, *Matherella* and *Scaevogyra*. These "snails" have a peculiar "unsnail" look about them; however, as no indication of soft part anatomy is present in any of the chert molds or replacements (steinkerns), they are placed in the archaegastropods under the subfamily Scaevogyrinae, and this is a most peculiar group! These, besides having the left-handed coiling, have a narrow and sometimes constricted aperture (shell opening). No such early gastropods have this, although many Mesozoic and Cenozoic forms do have this aperture form. In some areas occur specimens of *Scaevogyra*, whose shell is uncoiled or very slightly coiled near the aperture, and they can also be constricted near the end of the outermost whorl. These features, which are not seen on any of the "proper" early gastropods, makes one hope for better preservation and some internal features, such as muscle scars or other

evidence of soft-part anatomy.

Then there is *Pelagiella*. This is something like *Scaevogyra*, but particularly unsnail-like, it comes in either right- or left-hand coiling varieties. Other characteristics of it, such as thickening inside the aperture and filling of the shell apex with solid material, also make *Pelagiella* very unsnail-like. Some have even excluded *Plagiella* from the gastropods, but then what is it? *Pelagiella* also occurs in some of the earliest strata which yield animals with hard parts, the Tommotian, or very earliest strata of the Lower Cambrian. This is a fauna of peculiar shelled organisms which predate the trilobites.

A number of gastropod and gastropod-like forms which are not in the literature (the best readily available reference is the *Treatise on Invertebrate Paleontology, I, Mollusca 1.*) are found in Ozark Cambrian and Lowermost Ordovician strata. These are usually found one at a time, occurring in fossiliferous boulders and are usually anything but common, some of them being represented by only one specimen. Some of these "snails" coil counterclockwise; others have the coil expanding exponentially in a manner quite unlike that seen in gastropods. This is a diversity not seen in modern forms, which exhibit a lot more diversity that did those "proper" snails which lived during the early Paleozoic, but then hundreds of millions of years have been available since the Paleozoic for the evolution of all this diversity. All of these are really suspect as to their being bonafide gastropods; however, other than their peculiar shell geometry, which is snail-like, there is no place to put them in the animal kingdom; they are problematic.

Then there are the snails which no doubt belong to the class gastropoda, but they are still somewhat strange. These have shells which perhaps, because of their simplicity, are often geometrically pleasing. These include *Lecanospira* and *Barnesella*, which are common tightly-coiled genera sometimes very frequent when they

occur, usually in hard flinty chert. Impressions of *Lecanospira* have a counterclockwise coiling; however, this is because the snail was concave on its upper (dorsal) part and the ventral (bottom) was level (the early whorls are depressed) or nearly so. This is the opposite of most snails, which have the early part of the whorl pointing upward.

*Macluritella* and *Maclurites* are both gastropods which also appear to have a left-handed (sinistral) coiling; however, here what is considered ventral is flat, and the dorsal has an umbilicus and the outer whorl concealing the inner whorls. *Ozarkispira* is a right-handed coiled snail which is tightly coiled like a watch spring but with a flat dorsal surface.

Other "snails" are the monoplacophorans, really not snails at all, but which in the

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**NEW STATE PARK TO BE CREATED AROUND  
INDIANA LAGERSTATTEN  
by Alan Goldstein, Louisville, KY**

As most MAPS members know, national and state parks created around lagerstätten are few and far between. The Petrified Forest and LaBrea Tar Pits are two parks that immediately come to mind. Now a new park, Falls of the Ohio State Park, is being developed in southern Indiana on the shores of the Ohio River. New facilities, including a \$2.4 million interpretive center, are scheduled to open in September, 1992.

Charles Oldham discussed the history and paleontology of the Jeffersonville Limestone in the EXPO issue of the *Digest*, and it will not be further elaborated here.

This is your (or your local fossil club's) chance to become part of the fossil record while you're still "alive and kicking!" To raise funds to pay for the interpretive center and the exhibits, the Clarksville Riverfront Foundation is selling engraved bricks that will be installed on the outdoor patio by the entrance. Inscribed bricks are available for \$50 or \$500. For more information, contact the Clarksville Riverfront Foundation, 540 Marriott Drive, Clarksville, IN 47129.

older literature (pre 1965), including *Index Fossils of North America*, were included with them. Monoplacophorans are a separate molluscan class in which the body is segmented and the shells have horseshoe-shaped pairs of muscle scars. The shells of monoplacophorans are either spoon-shaped, cone-shaped or in the shape of an early phonograph horn. Ozark monoplacophorans have been fairly well documented by me in the literature (*Jour. of Paleontology*); however, a number of undescribed forms remain; the Cambrian and Lower Ordovician were the times of maximum monoplacophoran diversity.

Last are the mollusks which had shells shaped like Hersey chocolate kisses. Geometrically different from monoplacophorans, these "kiss-shaped" shells are an enigma and are likely to remain so because they are rare and poorly preserved.

(Continued from page one COVER)

The phylum Mollusca is represented by the gastropod *Tetrorata obsoleta* and an unidentified nautiloid cephalopod. All the cephalopods, gastropods and pelecypods from this location are preserved as internal molds only.

A lone phacopid trilobite *Calyptaulux annulata* scuttles across the ocean bottom searching for organic detritus. These trilobites are very common in this bed and in the overlying Pooleville member of the Bromide formation. Other trilobites found here include *Calliops divaricatus*, *Bumastoides milleri* and *Amphilichas punctatus*.

The wide variety of invertebrates found here, and their generally excellent state of preservation, indicate that this bed was deposited in shallow-water, open shelf environment just below wave base. The crinoid *Carabocrinus treadwelli* was tall enough to extend its crown into the wave base and probably got dismembered before burial during periods of high wave energy (storm surges). The formation.

**MALOCYSTITES MURCHISONI BILLINGS**

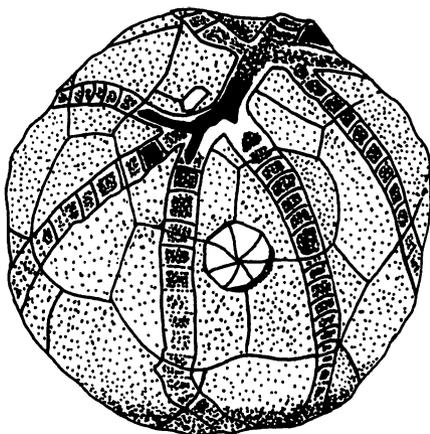
by Jean-Guy Pellerin and Therese Seguin  
Montreal, Quebec, Canada

*The following article and drawing are of a specimen found in abundance in the Montreal area.*

*Malocystites murchisoni* Billings belongs to the class Paracrinoide. It occurs in the state of New York and in Quebec (Middle Ordovician Strata).

This animal has a spheroidal body protected by calcareous polygonal plates. It lived attached by a short cylindrical stem to the bottom of the body of water. On the surface of the test are two split branches (arms) probably equipped with hairlike appendices. The vibrating motion had the advantage of bringing microscopic food to the mouth, located at the center of the sphere. An adult individual could reach 1-1<sup>1</sup>/<sub>2</sub> inches in diameter.

This specimen belongs to Chazy Group (460 million years) Laval Formation in the Montreal area, Province of Quebec.

**TENNESSEE: HOTBED OF PALEONTOLOGY?**

from: *The Fossil Record*, Dallas  
Paleontological Society, John Meyer, ed.

*The Tylosaurus mosasaur referred to in the following article was found by a MAPS member.*

From the Volunteer State come a couple of paleo-related news items:

Memphis Museums Inc. and its Pink Palace Museum uncovered a *Tylosaurus* mosasaur in early November at the Coon Creek Science Center, in McNairy County (western Tenn.). Gordon Bell, Jr., of the University of Texas, described as "a mosasaur specialist," was quoted as saying that the fossil remains constitute "one of the largest, if not the largest, creature I have heard of in Tennessee." The individual represented by the recovered fossils is estimated to have been 25-30 ft. long. The paleo-environment is described as being near the shoreline of the late Cretaceous (75 million year old) inland bay that stretched from the Tennessee River to Little Rock.

"We're very excited about it," said Ron Brister, Pink Palace's Curator of Collections. "Our dream has been to find a mosasaur at Coon Creek."

Bones found in a single 3 ft. square block of sandy clay include the back of the skull, jaw pieces, teeth vertebrae, and part of a front flipper. The vertebrae are "not normally articulated," indicating some scattering of the remains. The block is to be removed *en masse*, prepped out over the course of a year and displayed in either the Pink Palace Museum or the Memphis Science Center.

Fossils found on Coon Creek show little replacement and are generally quite fragile, but the preservation is reportedly excellent.

Pink Palace conservator Roy Young said that most mosasaur remains have been found in coastal Alabama, in Kansas and in the Dakotas. Obviously Mr. Young has never visited the Dallas Museum of Natural History, or prowled the N. Sulphur River.

Sources: *The Memphis Commercial Appeal*;  
*The Jackson Sun*.

Please NOTE the Following members who are new since March, but are in your Directory

Mrs. Mardelle Lee Couch	LaVon R. Logan	Mr. Shan Peters
Helen Cozzini	Daniel Sinatra	Jeremy J. Savill
John H. Emerson	John C. Sites	(United Kingdom)
Vern Larkin		

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

David & Sheila Bergmann 401 S. Lombard Ave. Lombard, IL 60148 708-629-5785	Machinist & QC inspector. Will trade. Member ESCONI, CAPS, Fox Rocks. Love fossils.
Ken Burk 3744 Central Park Cir. #4 Las Vegas, NV 89109	
Joe Collins 15777 W. Ten Mile Southfield, MI 48075 313-552-1190	Attorney. Will trade. Major interest vertebrates.
Kathleen & Jeffrey Conn 1029 West Newport Chicago, IL 60657 312-528-5784	Natural History Museum Administrator/General Contractor & Cabinetmaker. Will trade. Major interest trilobites, plant fossils, petrified wood. Have for trade custom display cases--made to order. Member of ESCONI. Want to learn more about fossil collecting & preparation, and to meet other collectors.
John H. Emerson 2227 Briarwest Blvd. Houston, TX 77077 713-558-6666	Retired. Major interests vertebrates and brachiopods. Member Houston Gem & Mineral Society, Paleo Section. He & wife have been collecting since 1986.
Anita Del Favero 38479 W. 10 Mile Farmington, Hills MI 313-471-0760	Master Jeweler: Jewelry Store & Fossil Store. Major interest crinoids, prehistoric skulls, ammonites, museum quality goods, aesthetic decorator pieces large & small.
John M. Dundek 10524 S. Kilbourn Ave. Oak Lawn, IL 60453-5340 708-857-7415	Major interest trilobites, Mazon Creek flora and fauna. Does not have enough material to trade yet. Wants to learn more about paleo & go on collecting field trips.
Ann & Harris Ferguson 986 Fowler Ford Road Portland, TN 37148 615-325-9781	Geologist. Will trade. Major interest porifera, coelenterata, echinodermata.
James E. Ferguson 4852 Ashbrook Dallas, TX 75227 214-388-0840	Systems Engr. Will trade. Major interest invertebrates--Texas ammonites. Has for trade Texas fossils. Member of Dallas Paleo Soc. Wants association with collectors & friends already members.
Dr. Cindy Fisher 1300 30th St. #E3-32 Boulder, CO 80303	

Forest Gahn  
1201 Virginia  
Burlington, IA 52601  
319-753-5827

Student. May trade. Major interest Crinoid Paleo, especially Mississippian exposures; small predatory theropods. May trade several specimens of *disygocrinus*, *macrocrinus* or other cemerates, and an unlimited supply of columnals. Has a collection of over 200 crinoid and blastoid specimens, some of which are very complete. Has great interest in paleo; plans to become world authority on crinoids.

Charles Gaus  
Route 1, Box 70  
Buckingham, IL 60917

Interested in Ordovician-Silurian trilobites from Ill.-Wisconsin, also Miss-Penn flora & fauna from Midwest-especially Ill., Ind., and KY.

Keith Holm  
11 Arlington Dr.  
Coal City, IL 60416  
815-634-2193

Laborer. Will trade. Major interest Pit 11 Mazon Creek fossils. Has for trade Pit 11 Mazon Creek fossils.

Wesley A. & Loretta Holm  
3000 N. Winterbottom Rd.  
Morris, IL 60450  
815-942-4576

Major interest Mazon Creek fossils & Pit 11. Will sell only.

Robert & Sue Howell  
Rte 2, Box 98  
Roachdale, IN 46172  
317-522-1516

Collecting 27 yrs. Elect. Spec./Fossil Dealer. Will trade. Interested in museum specimens, crinoids, starfish, echinoids, blastoids, trilobites, and edrioasteroids.

Robert P. Jehn  
R.D. #4  
Cochranon, PA 16314  
814-425-8282

Respiratory Technician. Will trade. Major interest Devonian-Pennsylvanian fauna. Also, Eocene-Pleistocene vertebrates. Has for trade late Devonian trace fossils (when available). Member of Paleontological Research Institute, Ithaca, NY. Wants to make contacts to share collecting sites and to acquire certain out-of-print books.

Richard J. Kinczyk  
11131 S. Bell Ave.  
Chicago, IL 60643  
312-881-3231

Civil Engineer, City of Chicago. Major interest Mazon Creek, trilobites, fossil turtles.

Mike Kolodzyk  
1011 S. 63rd St.  
West Allis, WI 53214  
414-453-3904

Biology Teacher. No indication about trading. Major interest Pit 11 Mazon Creek. Wants to be a member of MAPS because of a love of fossils.

Glen J. Kuban  
14139 Pine Forest Dr.  
Apt. 310  
North Royalton, OH 44133  
216-237-4508

Programmer. Will trade. Major interest dinosaur tracks, invertebrate traces. Member of Cleveland Museum Nat. History Fossil Soc., Cleveland, OH.

Vern Larkin  
1 Market St.  
Brockport, NY 14420  
716-637-2810

Will trade. Computer store owner. Major interest Phacops rana, eurpteis, Burgess shale, Cenozoic and Mesozoic skulls, one-of-a-kind items. Has for trade brachiopods, other Silurian/Devonian, trilo bites and fragments.

Clayton C. Lelscher  
2153 Jordan Circle  
Elgin, IL 60123  
708-697-1249

Geologist. Will trade. Major interest collecting vertebrates & invertebrates, Mazon Creek flora & fauna, trilobites, dinosaur bones. Has for trade Calymene trilobites. Wants to meet with others who share his interest in geology and fossils.

Michael Litt  
16449 Terry Lane  
Oak Forest, IL 60452  
708-687-4023

Engineer. Will trade. Major interest invertebrate fossils--trilobites, crinoids, blastoids. Interested in building a display collection. Has for trade Mazon Creek flora, Piere Shale ammonites. Member Greater Oak Lawn Diggers, Oak Lawn, IL. Interested in learning more about fossils.

John R. Mareing  
4615 Adkins  
St. Louis, MO 63116  
314-752-7117

Landscape Architect. Collecting since 1986. Major interest leaves, plants, some dinosaurs. Would be interested in going on dig to anyplace. Wants to learn more about fossils.

Michael Nathal  
21867 Shagbark Trail  
Strongsville, OH 44136  
216-238-4586

Materials engineer. Will trade. Major interest dinosaurs first, but really all fossils, including a growing collection of invertebrates. Has for trade some Cretaceous fossils from Montana. Member of Fossil Society, Cleveland Museum of Natural History. Wants to further knowledge of fossils and to collect when traveling.

Timothy J. Northcutt  
5724 Woodson  
Mission, KS 66202  
913-432-2341

Graphic Computer Operator. Will trade. Major interest assembling a varied collection.

Mark R. Porinsky  
9575 North Territorial Rd.  
Dexter, MI 48130  
313-426-8442

John & Carolyn Richard  
3575 Hwy 11  
Hazel Green, WI 53811  
608-748-4530

Artist/Teacher. Major interest dinosaur art--drawing, painting and sculpture--and all areas of paleo. Want to expand knowledge of paleo to improve their art.

Sheffler Rock Shop  
Sheffler, Betty  
RR #1, Box 172  
Alexandria, MO 63430  
816-754-6443

Rock Shop owner/operator. Will trade. Likes fossils.

Barbara C. Sky  
5927 3rd St.  
N. Arlington, VA 22203  
703-528-8895

Retired. Will not trade yet. Major interest invertebrates, especially mollusks.

Richard D. Swigart  
422 Lakewood  
Peoria, IL 61614  
309-682-7950

Caterpillar Tractor Co. Major interest paleoanthropology, dinosaurs. Member of Geology Section, Peoria Academy of Science. Life long interest in paleontology.

Richard Trexler  
Box 655  
Goulds, FL 33170

Fossil Amber Specialist. Will trade. Major interest learning other types of fossils. Has for trade some amber.

University of Iowa  
Geology Library  
Trowbridge Hall  
Iowa City, IA 52242

Dave Langevin  
961 Columbia St.  
Kamloops B.C.  
CANADA V2C-2V8  
604-374-7164

Will trade or sell. Has ash-preserved Miocene leaves: 16-20 M.B.C. ginkgos, sequoias, pinus, prunus, etc.

Mr. John B. Parsons  
131-2nd Street  
West Drumheller, Alberta  
CANADA T0J 0Y4  
403-823-8524

Owner-manager of The Fossil Shop. Will trade. Major interest vertebrate fossils, ammonites, dinosaur specimens. Has for trade dinosaur material, ammonites. Member Geological Soc. of America. Wants to broaden knowledge of fossils; contact people with similar interests; personal research.

TYRRELL MUSEUM OF PALEO LIB.  
Box 7500 Drumheller  
Alta. T0J 0Y0  
CANADA

James William Dumar  
The Stables  
Boyle's Rd., Kuranda Qld.  
AUSTRALIA 4872

Import-Export Trader. Will sell. Major interest Pliocene-Pleistocene mammals Central Java, Indonesia rhinoceros & hippopotamus sondaicus, elephas & stegodon, hominids, Australian invertebrates. Write for photos. Wants to maintain contact with amateur paleontologists in USA.

Dr. Thomas Martens  
Pfarrgasse 53, 0-5801  
GroBrettbach  
GERMANY  
Gotha-53167

Geologist at the Museum of Nature Gotha. Major interest fossils of continental Permian ages (Rotliegend in Europe), taxonomy, biostratigraphy, palaeoclimatology. Member of Palaontologische Gesellschaft, Germany, Thuringisch Geologischer Verein, Germany, Jena. Interested in connections with collectors of terrestrial Permian fossils in America.

**PLEASE NOTE THE FOLLOWING CHANGES OF ADDRESS OR CORRECTIONS:**

Mark DuBois  
116 Oakwood Circle  
Washington, IL 61571  
309-444-2999

Norm & Betty Lemkau  
Castro Valley, CA 94546-4661

Bradley S. Ream  
R.R. 4, Box 70  
Rockville, IN 47872

Lionel Gaudier  
Avenue Du Stade, 3  
7110 Houdeng-Goegnies  
BELGIUM

Charles/Francesca Moldenhauer  
4013 N. Brookdale Pl., A8  
Peoria, IL 61614  
Craig P. & Susan Nesbit

Charles Simon-Straub  
4404 Commonwealth  
Toledo, OH 43612

John C. (Chuck) Hemple  
R.D. 1, Box 436

Kathleen Morner  
Collecting since 1973

Charles F. Styles  
6225 54th Ave.  
Kenosha, WI 53142

William Hummel  
12863 Fenton Hts. Blvd.

Sharon R. Powell  
Collecting since 1973

Thomas C. & Patti  
Witherspoon, Jr.

Steven & Karlene Ramsdell  
R.R. 1, Box 139  
White Heath IL 61884

Glen & Penny LaPlaca  
3811 Baker Rd.  
Orchard Park, NY 14127  
716-

Owners of Past & Present, a fossil business. Will trade. Interested in all fossils. Member and field trip chairman for Buffalo Geological Society and member of Myrtle Beach Fossil Club.

Michael & Terri Reagin  
3862 Dunwoody Dr.  
Pensacola, FL 32503  
904-435-9348

Microbiologist/Retail Manager. Will trade. Interested in all fossils, primarily Cretaceous and Tertiary mollusks, echinoids, and shark teeth. Have for trade the above from GA, AL, FL, and MS. Will consider almost any type of fossil for trade.

## 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.

I would like to hear from collectors who would like to trade **fossil or recent otoliths**: Kristiaan Hoedemakers  
Broechemsesteenweg 31  
2531 Boechout  
BELGIUM

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**MAJOR FOSSIL SHOW**--Aug. 14-18, 1991, Strasburg, PA. Fifth Annual Lost Dutchman Gemboree, at Historic Strasburg Inn on Rt. 896. Dealers with fine quality fossils. Tailgate space, too. Collecting field trips daily. For information: Thomas/Tapomu, Box 8742, Lancaster, PA 17604; (717) 293-8959.

### SEDIMENTARY NOTES

**Allen Yenerich**, Mendota, IL, writes: *Now that EXPO XIII has had a little time to sink in, I want to tell you what a great job you and everyone that contributed to the show and special April issue of MAPS Digest accomplished. I attended the EXPO on Saturday, and as usual, I came away with several excellent additions to my fossil tooth collection. The interest in fossils that I have gives me many hours of pleasure. All fossils hold a special place in my life's interest, with mammoth and mastodon teeth being at the top of the list. I would especially like to add a modern Indian elephant molar tooth to my collection if anyone can locate one for me.*

### BOOK :

*The Titanotheres of Ancient Wyoming, Dakota and Nebraska.* Henry Osborn. 1857-1935 (reprint). Two 9"x11" volumes, hardbound, totaling 945pp. Includes collection area maps, charts, species identity (80+), sketches of skulls, teeth, bones, skeletons. Covers muscular anatomy, mechanics of locomotion, theories of origin, ancestry and adaptive radiation and causes of evolution and extinction. \$224.00 (set). Allow 3-4 weeks delivery. Village Rock Shop, 346 S. Chicago, Hot Springs, SD 57747. Tel. (605) 745-5446

**BUTVAR B-76 for vertebrate consolidation.** \$10.95 per pound postpaid. 5 pounds for \$50.00 postpaid. Partial oreodont skulls for prep training \$25-50.00. Handbook of Paleo Preparation Techniques (vertebrates) \$16.50 postpaid. Village Rock Shop, 346 S. Chicago, Hot Springs, SD 57747. Tel. (605) 745-5446.

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RICHARD TREXLER  
Box 655  
Goulds, Florida 33170

**Barb Limekiln**, Lewistown, MT, writes: *This is going to be an exciting spring. My son discovered dinosaur bones 4 years ago, and we've finally got the permits, etc. Jack Horner is sending a team up from Bozeman this spring to dig. So wish us luck--hope we have a brand new Edmontosaurus to show the world.*

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.

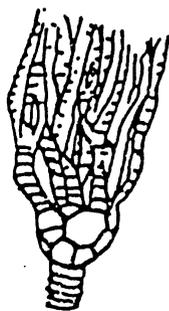
Membership in MAPS is open to anyone, anywhere who is sincerely interested in fossils and the aims of the Society.

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 (except February) meetings are scheduled for 1 p.m. in the Science Building, Augustana College, Rock Island, Illinois. The February meeting is held at Monmouth College, Monmouth, 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.

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LOOK FOR THE SUMMER ISSUE  
 BY THE END OF JULY

FIRST CLASS MAIL

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MID-AMERICA PALEONTOLOGY SOCIETY

Mrs. Sharon Sonnleitner  
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Dated Material - Meeting Notice