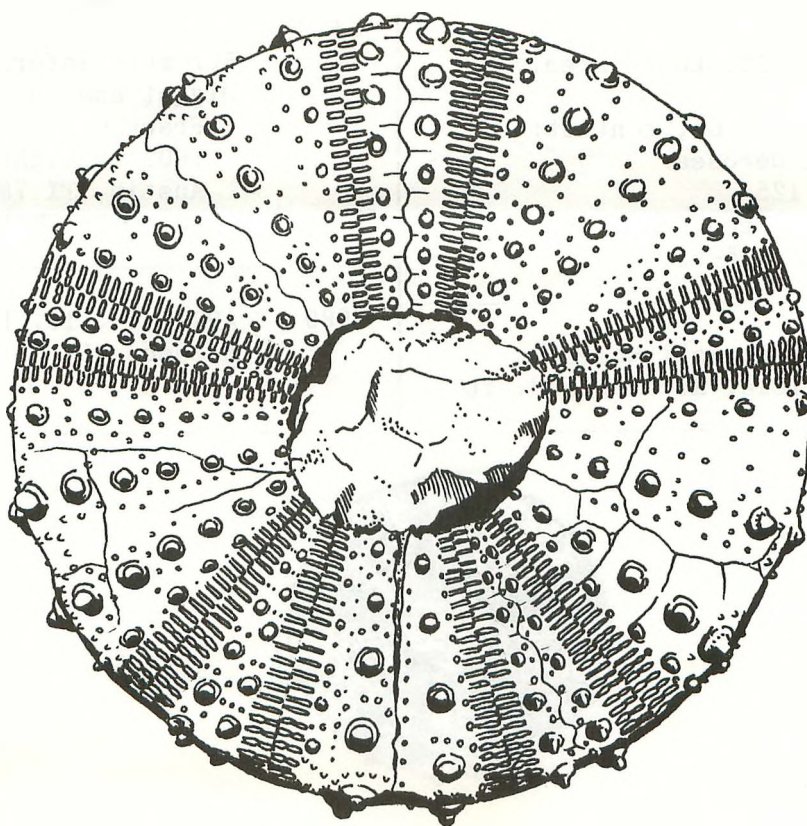


M.A.P.S. *Digest*

Official Publication of
Mid-America Paleontology Society

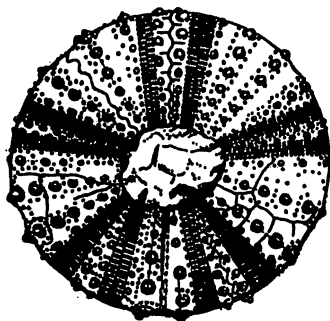
Volume 11 Number 7
October, 1988



Selenia texana

MARK YOUR CALENDARS

<p>NO MAPS FIELD TRIP SCHEDULED IN SEPTEMBER BECAUSE OF THE HEAT.</p>	<p>21 OCT 5th Annual "Florida Fossil Fair--The Shark," sponsored by the Bone Valley Fossil Society and the City of Mulberry.</p> <p>Oct. 21: Children's Day and tentative field trip to IMC Oct. 22: Fossil Auction and Barbeque Oct. 23: Last day of Fair</p> <p>For more information, contact: B.V.F.S. c/o Eric Kendrew 4436 Tevalo Dr. Valrico, FL 33504</p>
<p>1 OCT MAPS FIELD TRIP near Millstadt, IL</p> <p>October 1, 1988--Saturday Meet at 9:00 a.m. at the Dairy Queen on Highway 3 near Columbia, IL</p> <p>We will be hunting for blastoids, perhaps crinoids, trilobites, edrioasteroids, in the Ridenhower Formation (Chesterian) near Millstadt, IL</p> <p>Guy Darrough of Arnold, MO, will be our host.</p> <p>This is in the St. Louis area.</p> <p>For more information, contact: Doug Deroosear Box 125 Donnellson, IA (319) 835-5521</p>	<p>21 OCT FOSSILMANIA VI, sponsored by the 22 Austin and Dallas Paleo Societies 23</p> <p>For more information see the June <u>Digest</u> and/or contact: Frank Crane, Show Chairman 1603 Twilight Ridge Austin, TX 78746 ph. 512-327-4005</p>
<p>5 NOV MAPS MEETING at Fryxell Museum, Augustana College, Rock Island, IL</p>	<p>1989 APRIL 14, 15, 16--EXPO XI Macomb, IL</p>



ABOUT THE COVER

by Mark McKinzie

1050 N. County Line Rd., Yukon, OK 73099

This month's cover drawing is the echinoid Salenia texana from the Goodland fm., Fredricksburg Group, Lower Cretaceous.

It was collected along the south bank of Steele Creek, 2 miles east of Morgan in Bosque County, Texas.

MAPS SUMMER HAPPENINGS

For those of you who endured one of the hottest and driest summers on record, the rains and cooler temperatures of late August were a welcome relief. I've heard from several people that hunting was not good over the summer because of the heat and the lack of rain to clean the rocks. Both were responsible for the cancellation of the MAPS field trip which is usually held over Labor Day weekend.

The Memorial Day field trips were held as scheduled, though, and they were well attended. The second annual Family Picnic on August 28 drew about 25 members and guests to the Coralville Reservoir, Coralville, IA, for a very pleasant afternoon of good food, fellowship, show and tell, and trading.

If you weren't able to attend any of these functions, perhaps you can join in the October field trip. And of course, there's always EXPO XI in April.

LETTER TO THE EDITOR

I just had to write a note to you to express the great enjoyment that I receive as a MAPS member. I have a great love for nature and the outdoors with fossils being high on my list. I have been collecting fossils for over 30 years and for several years now MAPS has really helped me to get more out of my fossil collecting.

I look forward to receiving each issue of the MAPS Digest with all of the very interesting and helpful articles within its pages. The EXPO X edition of the Digest is an excellent piece of apparently time-consuming research and just plain hard work. Each and everyone who participated in any way to help complete the special Digest on fishes deserves a lot of praise and I, for one, wish to congratulate them all for a job well done.

Also, everyone that is responsible for our regular Digest and the great EXPO shows is on my list as a great group. I am sure most of us don't realize all the work and donated time these people put into MAPS to give a person such as myself so much enjoyment.

The only thing that I regret concerning the EXPO show is that I don't have a lot more money to spend, as I seem to come home from each show thinking about the many specimens that I had to leave behind.

Thank you for all the great experiences.

Allen C. Yenerich
Mendota, IL

MAY HE REST IN PEACE

MAPS member Jim Welch of Billings, Montana, died of a heart attack on Sunday, May 22, while collecting fossils in the Glass Mountains of west Texas. He was 37. Those of you who attended the last EXPO remember Jim and his exquisite silicified Permian fossils which, through his efforts, were made available to collectors and institutions throughout the world. Jim was a petroleum geologist by vocation, but with the slowdown in that business, he had become more active in collecting, preparing and selling fossils. He was an exceptional collector and preparator, too, with an eye for quality, detail and scientific accuracy second to none. His contributions to the paleontological community will be greatly missed.

John McLeod
Billings, MT

HELP GET FOSSIL STAMP
ISSUED

The special fossil fish postage cancellation which appeared on your EXPO Digest envelope and which was available only at EXPO X was the result of a lot of work by Tony Verdi, Hinckley, OH. Tony has also been trying to get a "fossil" stamp issued. He has spent a lot of time and written many letters to reach his goal, but it will take letters from many other supporters to persuade the Postal Service to issue a "fossil" stamp.

If you would like to help in the effort, Tony asks that you send a short letter in support of the project to:

Citizens Stamp Advisory Committee
U.S. Postal Service
Room 5800
475 Lenfant Plaza West, SW
Washington, DC 20260-6352

SAMPLE LETTER:
Sirs:

Over the years, the U.S. has issued more than 260 stamps depicting animals and plants and only six stamps featuring minerals, fossils, and prehistoric animals.

These numbers indicate that we are top heavy on the living world and almost nil on the non-living world. This will be even more top heavy next year, with four cat stamps promised.

I believe that we are due for a block of four stamps showing representative U.S. fossils. We have a rich fossil heritage.

Fossils tell us of the plants and animals that once covered the earth. I suggest that common fossils such as ferns, trilobites, fish, crinoids, ammonites and brachiopods, be considered.

Thank you,
(Your signature)

MICROFOSSILS? - - WHY?

by Harold Tichenor
2440 W. Estes
Chicago, IL 60645

(This is the first of a four-part series.)

Because they're there, and you're probably overlooking them. That's the flip answer; but there are better reasons: many species exist only in microforms; you can have a large collection in the space needed for a single hand specimen; a small bucket of material can continue your field tripping throughout the Winter. That's just for starters.

Have you ever visited a tame paleontologist in his lair? If not, try it--it will be a memorable experience. He'll give you authoritative answers to your questions and encourage you to extend your fossil activities. If you have dared such a visit, you'll know that you'll be welcomed again, but also you'll probably have noticed a microscope; you may even have interrupted him in using it. He uses it the way you use a hand lens--to see better. If he is concerned solely with big ones (dinosaurs, mastodons, etc.), he may use the scope only to check cracks in a bone, or to examine muscle attachment scars, or something of that sort, but the odds are that a scope is present. If his work is related to oil exploration, you may be sure that the scope gets heavy use, seeking tell-tale tiny fossils.

If you, as a fossil lover and collector, don't use magnification of 10X to 20X or a little higher, you're missing a lot of fossil species and a lot of fun and satisfaction.

In the late 19th and early 20th centuries Indiana's Salem limestone from Spergen Hill enjoyed a high architectural vogue. The rock is still there and available, with all its little Mississippian beasties awaiting you. The same formation is found in numerous places in central Indiana, but the presence of particular species varies with

location. That which is considered typical of Spergen Hill is a tiny Foram, Endothyra baileyi, subspherical, a couple mm in diameter. I've sought him in vain in the same formation from nearby Harristown. Other species are common to most locations: gastropods, crinoid columnals, echinoid spines, etc.

Many trilobite devotees have never seen the "babies" discussed by Roger Pabian in the March Digest. Have you? Remember that each protaspid is a complete trilobite. The variation in protaspids from one species to another is fascinating: the axial lobe of a Bathyriscus (Coryneochid) has the front widening like the glabella in the complete trilobite.

When you work on preparation of a specimen, are you one of us who can't resist endowing each with an anthropomorphic personality? You can have a thousand-fold increase in the number of these little friends.

Where do you get microfossil material? Almost any fossiliferous rock. Mississippian stuff is good; LaVeta Hodges' pet Humboldt, Iowa, quarry has gastropods totalling some 80 species, many little beauties, plus many representatives of other Phyla. Salem limestone, as above, is classical. Mid-Cambrian Utah and Montana fossiliferous rock can keep you busy for a lifetime. Pennsylvanian material from Danville, Illinois, has conodonts and pyritized gastropods. Ordovician Decorah Fm from Wisconsin and Iowa is a great favorite of mine. There's an infinity of stuff awaiting you!

Next time: HOW?

[Ed. note: Harold had an excellent display of his microfossils at EXPO X.]

TENNESSEE HONORS HAMMONSES

Ernest and Onsby Hammons, Petersburg, TN, who were supported by MAPS in their recent nomination for the Harrell L. Strimple Award recently received a Proclamation from the State of Tennessee House of Representatives honoring them for their work in the field of geology.

According to an article in the Elk Valley Times and Observer, Fayetteville, TN, Ernest and Onsby first became interested in rocks almost 30 years ago when their twin sons were in second grade in California and needed some rocks to study in school. A trip up the mountain to a construction site which provided them with rocks changed them into "rock hounds" and then paleontologists, even though they have no formal education in the field. "In the field of geology it is widely acknowledged that Ernest and Onsby Hammons have the most complete collection of fossils from the Paleozoic era held by individuals east of the Mississippi at their Eon Museum in Petersburg. The museum is a part of the family's home..."

"According to Hammons the couple specialized in collecting fossils from the Paleozoic era because that was what was most plentiful in the area... 'We have at least one specimen of every phylum known in the Paleozoic era,' (Hammons) said. 'We've traded for a few, but most have been found by Onsby or myself.'"

"The couple also lead students from various universities on field trips in search of rocks. 'They know we'll take them rock hunting for transportation and our dinner,' chuckled Hammons... 'They tell us what they want to hunt, and we take them to that location,' Mrs. Hammons explained. 'Ernest keeps our maps in his head and he remembers where we found what. The exact location.'"

*The Elk Valley Times and Observer. Lakeway Publishers Inc., Fayette, TN. "Rock Hounds' Gain Worldwide Attention," by Jeannie Tucker. Aug. 17, 1988. p. 1,9.

State of Tennessee



House of Representatives

HOUSE JOINT RESOLUTION NO. 788

By Phillips

A RESOLUTION to honor Ernest and Onsby Hammons for their many contributions to the field of geology.

WHEREAS, it is widely acknowledged that Ernest and Onsby Hammons have the most complete collection of fossils from the Paleozoic era held by individuals east of the Mississippi at their Eon Museum in Petersburg, Tennessee; and

WHEREAS, the Smithsonian Institution in Washington, D.C. and many colleges house extensive collections of their work; and

WHEREAS, Middle Tennessee State University displays a portion of their fossil collection in the Kirksey Old Main building; and

WHEREAS, in recognition of their outstanding efforts, Ernest and Onsby Hammons have been nominated for the Harrell L. Strimple Award; and

WHEREAS, this prestigious award is given annually by the Paleontology Society to an amateur who has contributed generously to the advancement of paleontology; and

WHEREAS, the Hammons specialize in collecting fossils from the Paleozoic era which occurred many thousands of years ago when plant life called crinoids, cystoids, and blastoids decayed and became preserved in fossils throughout the world; and

WHEREAS, the Paleozoic period, which is the oldest period in geological history, extends from the Cambrian through the Permian period; and

WHEREAS, people have come from all over the world to see their fine collection in Petersburg, Tennessee; and

WHEREAS, people from 37 different states have signed the guest register; and

WHEREAS, the Hammons are very generous people who have a desire to help anyone they can which is illustrated by their help of a young boy, Bob Patrick, who began collecting fossils with the Hammons' in 1987; and

WHEREAS, from his fascinating trips with Mr. Hammons through his years in college at Tulane University, Mr. Patrick wrote a thesis on "Fossils from the Tennessee Central Basin", a work which earned him a scholarship to Stanford University; and

WHEREAS, Ernest Hammons began his career with the United States Government for whom he worked diligently for forty-five years, building models of planes which would be used in building real airplanes for the military; and

WHEREAS, Mr. and Mrs. Hammons were living in California when they first became interested in fossils; and

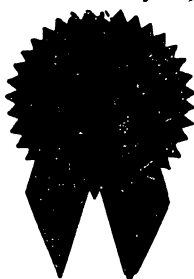
WHEREAS, the Hammons go on several trips a year to collect fossils; they journeyed twice to Utah last year and have been to Texas, Oklahoma, and Arkansas; and

WHEREAS, the Hammons have been recognized before as they urged the state legislature to name the agate the state stone, which was accomplished when the late Governor Buford Ellington signed this legislation into law; and

WHEREAS, it is fitting for this General Assembly to pay tribute to these two outstanding citizens who have contributed much to our great State of Tennessee; now, therefore,

BE IT RESOLVED BY THE HOUSE OF REPRESENTATIVES OF THE NINETY-FIFTH GENERAL ASSEMBLY OF THE STATE OF TENNESSEE, THE SENATE CONCURRING, that we honor Ernest and Onsby Hammons for their extensive collection of fossils, and their maintenance of the Eon Museum.

ADOPTED: April 26, 1988



SPEAKER OF THE HOUSE OF REPRESENTATIVES

SPEAKER OF THE SENATE

GOVERNOR

MAPS can be proud to have such knowledgeable and generous people as members.

FOSSIL SITE OPEN TO PUBLIC

Two unnamed MAPS members who recently visited the Stonerose fossil site in Republic, WA, had information on the site forwarded to Karl Stuekerjuegen to alert all members to the site. Stonerose is a fossil site where impressions of plants, insects and fish from the Eocene Epoch can be found in the rocks.

45 to 50 million years ago the area that is now the town of Republic was part of the bottom of a lake. Over the years, much of the lake bed was filled with volcanic ash from the many volcanos then active in the area. "These layers of old lake bottom can be seen today as layers of fine-grained stone called 'Tuff', volcanic ash hardened into rock. The layers of tuff split apart like pages in a book, revealing information about the ancient lake. Bands of sand in the rock indicate heavy run-off and water moving fast enough to carry sand grains. Quiet water allowed fine silts and ash to settle out, forming thin, fine-grained layers. In these layers, the fish and insects that drifted to the lake bottom and the leaves and twigs that floated downstream or blew into the lake, can still be seen as fossils...

"The Stonerose fossils provide the best 'look' at the plants, animals and climate of the Eocene. Study of these organisms is important in understanding the development of today's plants and animals.

"By the time the Stonerose fossils were laid down,...but the Pacific Northwest was still very different from the region we know today. The Cascade Mountains were not yet high enough to block the flow of warm, moist air from the Pacific, so the climate was probably warmer and wetter than today's. The ancestors of our familiar temperate forest trees were intermingled with broadleaved trees now native to the southeastern states, and plants that, today, grow only in China. Some of the Stonerose plants did not survive. They are extinct and all that we will ever see of them are fossils. The more successful plants have left many descendants. They have changed a little through the centuries, but they are still recognizable all around us.

"The oldest known ancestor of the rose family has been found here and gives the Stonerose site its name. The rose plants at Stonerose are so old that they are thought to be the ancestors of all the distant 'cousins' of the roses, the apples, plums and other fruit trees.

"The ancestors of most of the plants we see around us can be found at Stonerose. Fossils are so plentiful here that almost every rock split open reveals a plant or animal that lived about 47 million years ago...

"Occasionally the Republic fossil beds yield fossils of previously unknown species. These fossils are particularly important to our understanding of the Eocene environment and are sent to the Burke Museum (in Seattle) or to Dr. (Jack A.) Wolfe (of the U.S.G.S. in Denver) for study. New species are sometimes named for the discoverer of the first fossil specimen. Two previously unknown fossil plants have already been named for Republic families who helped to discover them. Several of our visitors have found unusual leaf fossils which may prove to be new types. Important discoveries are always a possibility at Stonerose."*

According to a letter sent by Madilane Perry, Curator of the Stonerose Interpretive Center, "The Stonerose Interpretive Center is...here to encourage people, particularly young students, to come out and get first-hand experience in field science by finding their own fossils. I give some help with fossil identification in the field. The more difficult specimens and those suspected of being representatives of new taxa are retained for examination by paleobotanists from U.W. and the U.S.G.S. Finders of these more significant fossils are kept informed of developments in the study and naming of the Fossils by correspondence from either myself or Wes Wehr at the Burke Museum. Our system for passing along information on fossil fish and insects is not quite so well-developed, but we are working on it.

"Visitors may keep most of the fossils that they find (within reason; if people take whole truck loads there will soon be none

*Source: The Stonerose Interpretive Center brochure.

for the students). Unusually good museum-quality specimens are kept for display here or donation to larger museums. Fossils that become the holotype fossils for new taxa are also retained and sent to larger museums.

"Any of your members who would like to come and dig would be very welcome. The Fossil bed is right in town so there are motel accommodations very close at hand. Hardier souls may want to camp at one of the many resorts or Forest Service campgrounds in the area."

FOR FURTHER INFORMATION WRITE OR CALL:

TOWN OF REPUBLIC

Attn: Madilane Perry

P.O. Box 987

Republic, WA 99166

Phone: (509) 775-2295

Open: Tues.-Sat., 10 a.m.-5 p.m., May-Nov.
Fossil Hunting Trips: 10 a.m. and 2 p.m. or
by arrangement, weather permitting.

BOOK REVIEW

by N. Gary Lane

Department of Geology

Indiana University, Bloomington, IN 47405

FOSSIL INVERTEBRATES. 1987. R.S. Boardman, A.H. Cheetham, and A.J. Rowell, Editors. Blackwell Scient. Publ., 713p. \$45.00.

This book has been long awaited by the paleontological community. The book was in initial planning phases in 1977 and finally appeared 10 years later. In addition to the three editors there are 24 contributors of chapters or parts of chapters. The large number of cooks clearly explains why this "broth" took so long to appear.

Fossil Invertebrates has been needed for a long time. It is essentially meant to be the textbook for a college level course in invertebrate paleontology. As such it replaces the long-used but now long-outdated and out-of-print Moore, Lalicker and Fischer. In addition to macro-invertebrates, some microfossils--foraminifers, coccoliths and conodonts--and trace fossils are covered. There are 21 chapters. The first seven chapters cover topics of broad interest rather than specific groups of fossils. Classification, ecology, evolution, preservation and biostratigraphy

ADVERTISING SECTION

Ads are \$3.50 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) 786-6506. This space is a \$3.50 size.

FOSSIL FORUM is the International Fossil Magazine. Published quarterly in Britain. 45 pages, fully type-set with full colour cover. Packed with news, techniques, sites, articles and letters. Now in its second year, it has received only good reviews. U.S. Subscription \$25 for next four issues. Airmail.

Checks payable to: Palaeo-enterprises Publications, 39 Drake Ave., Torquay Devon, U.K. TQ2 6JU.

are all discussed. This is a very definite large improvement over Moore, Lalicker and Fischer, which was concerned primarily with morphology and classification.

Each systemic chapter starts with an overview of the soft parts, hard parts and biology of the phylum. This is followed by general discussion of morphology and classification. There are many illustrations of high quality, both line drawings and photographs. Topics of special interest in the phylum are next discussed. There is considerably more emphasis on evolution in this book than there was in Moore, Lalicker and Fischer, which treated many fossil groups--trilobites, for instance--as if organic evolution had never occurred. Each chapter has a short but select list of supplementary readings that introduces the reader to the literature on that group.

I predict that this book will be widely used in invertebrate paleontology courses around the country. It serves quite a different function from Raup and Stanley's Principles of Paleontology, which is much more paleobiologically organized and presented. This is a book that all serious amateur paleontologists will want to read, both for those groups that they are most interested in, and to learn more about those invertebrates with which they are less familiar.

Finally, the royalties from this book have been dedicated by the authors to the Paleontological Society.

NEW MEMBERS continued.

• Harry H. Yingst
215 Hilderbrand Dr.
Atlanta, GA 30328
404-252-0550

Owner-manager printing company. Will trade. Major interest fossils of all eras both fauna and flora. Has for trade Ordovician from Cincinnati shield area, Penn. flora from N.E. Georgia, fish from Green River Formation. Wants to increase his knowledge & share knowledge with others who collect & study fossils.

Cor Baaijens
Van Baerlestraat 77H/1071AS
Amsterdam
HOLLAND

Interpreter (Arabic). Will trade. Major interest trilobites, crinoids, mammals. Has for trade trilobites, crinoids, mammals, and other varieties. Wants to meet people with the same interests.

Please Note the Following CHANGES OF ADDRESS and CORRECTIONS.

David M. Cassel
7000 Soquel Dr. #351
Aptos, CA 95003

Audrey A (Clark) Polson
R.R. 2 Box 188
Prophetstown, IL 61277

Roger Dabler
279 Boice Rd. N.W.
Cedar Rapids, IA 52405

Ronald W. Fabich
8160N Norwalk R.
Litchfield, OH 44253

John J. Fagan
Brother Rice H.S.
10001 S. Pulaski Rd.
Chicago, IL 60642

Dr. Robert Fendrich
100 Belmont Place
Staten Island, NY 10301

Roy F. Kinsley
316 Whitehall Drive
O'Fallon, IL 62269
618-632-2917

USAF. Will trade. Collects primarily trilobites and crinoids. Has crinoids, blastoids, and trilobites from midwest for trade.

Mark G. McKinzie
1050 N. County Line Rd.
Yukon, OK 73099

John D. McLeod
P.O. Box 8252
Boise, ID 83707
208-338-9264

Dan Mosher
2501 E. Mountain Rd.
Bartlesville, OK 74003

Prof. of Biology, Bartlesville Wesleyan College. Will trade. Major interest invertebrate fossils, especially crinoids, ammonites, trilobites, and invertebrate fossils from unusual or extinct taxonomic groups or showing interesting paleobiological features or associations.

Nancy L. Nowak
R.R.2 Box 52
Carbondale, IL 62901
618-457-6303

Rick Poropat
128 W. Rose Hill
St. Louis, MO 63122
314-822-4662

William J. Rieger
9400 Frankford Ave.
Philadelphia, PA 19114

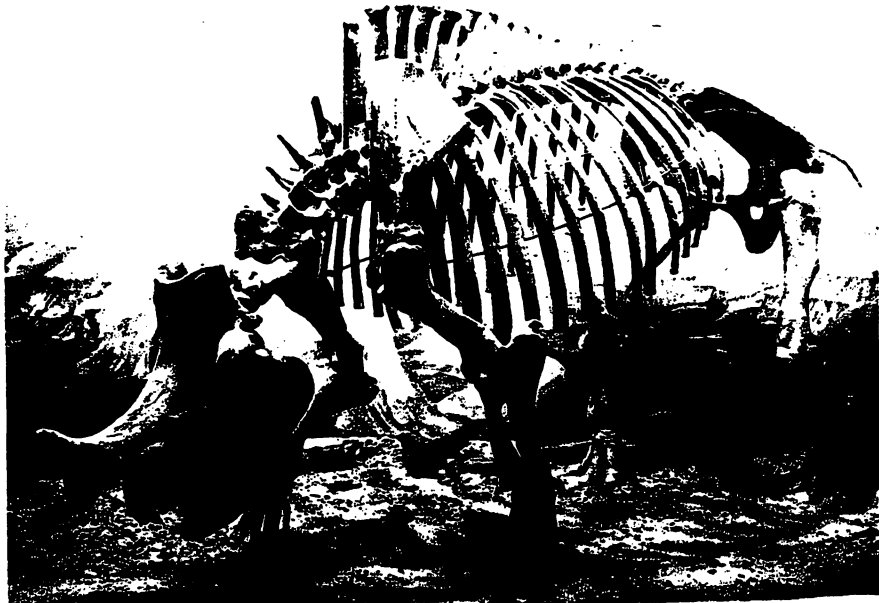
Teacher. Interested in all fossils, especially fish and amber.
Would like to learn more about preparation techniques.

Kevin Brett
228 Livingston Rd.
West Hill
ONTARIO, CANADA M1E 1L7

Add to Blurb: & Ord. Echinoderms (cystoids, crinoids, etc.).

SEDIMENTARY NOTES

David Jones, Worthington, MN, writes that he, "accompanied by Anna Ranney, an enthusiastic fossil hunter of Conrad, MT, dug up a skull of (a titanothere) from a cow pasture near Lance Creek, WY. The skull and some other bones are now in Mrs. Ranney's parlor. The animal is slightly related to the rhinoceros (which it somewhat resembles) and also to the horse. Age is mid-Tertiary, about midway from the extinction of the dinosaurs to the present."



Titanothere
from: Rushmore Photo, Inc., Rapid City, SD, postcard

Please ADD the Following NEW MEMBERS to Your Directory:

Stephen Alexander

2132 Ave. H
Wichita Falls, TX 76319
817-767-2217

Surveyor. Will trade. Major interest vertebrates, lower Permian, Pleistocene; also interested in early fish, plants and some invertebrates. Has for trade cast & bone frags of L. Permian & Pleistocene. Locally collected. Wants fellowship with others with same interest & to learn more about the preservation & preparation of fossils.

Peter Baglia

P.O. Box 364
Wingate, N.C. 28174
704-233-5898

Computer-aided design. Will not trade now. Wants to become more involved in paleontology.

Ross E. Berglund

11689 N.E. Sunset Loop
Bainbridge Island, WA 98110
206-842-3677

Jennifer Calder

11505 Riverside Dr. #304
N. Hollywood, CA 91602
818-762-7638

Accountant. Will trade. Major interest shells. Member Fossil Club of Tampa Bay (FL). A new collector.

Wesley L. Gannaway

1604 Brookwood Dr.
Ferndale, WA 98248
206-384-4209

Oil Refinery Operator. Will trade. Major interest invertebrates: trilobites, brachiopods, crinoids, etc.; plants: Cambrian algae to Miocene leaves. Has for trade trilobites, plants (mainly Eocene & Miocene leaves). Wants to increase knowledge of fossils & correspond with other fossil collectors.

Steven R. Greene

4337 Tacoma Ave. #6
Roanoke, VA 24019

Medical Lab Tech. Will trade. Major interest trilobites, brachiopods, blastoids. Has for trade blastoids, trilobites. Member Indiana Society of Paleontology. Has a real deep interest in fossils & would like to learn more & share his knowledge & experience with others.

William B. Gustafson

497 Burgland Ave.
Galesburg, IL 61401

Steve Heas

850 4th St.
Lancaster, PA 17603
717-394-8678

Laborer. Will trade. Major interest trilobites, crinoids, starfish, etc. Has for trade trilobites from NY, Canada, PA, UT, OK; nice Ord. material from Canada, Swatara Gap, PA; Eurypterus. Wants to be in contact with other fossil buffs and learn new ideas!

Nancy Howe

c/o Art Product News
P.O. Drawer 117
St. Petersburg, FL 33731

Dick & Barb Kirchhevel

Creation Fossils
729 Goulding Cr.
Boondap, MT 59072
406-323-3381

Mike & Kay Knightstep

4113 McGaha
Wichita Falls, TX 76308
817-691-4908

Parts Man--City of Wichita Falls. Will trade. Major interest Permian fossils of Texas & Oklahoma, also Pliocene, Pleistocene fossils of Texas & Oklahoma. Have for trade Pleuracanthus shark teeth, bone of amphibian, reptile, & mammals; also a few trilobites & invertebrates. Enjoys other amateur fossil collectors & and likes to see serious advancement of amateur paleontology.

Vance McCollum
207 Chuker Dr.
Summerville, SC 29485

Painting Contractor/Fossil Business. Will trade. Major interest insects or anything in amber, deformed or pathological sharks' teeth, bird fossils, all vertebrate fossils. Has for trade *Car. angustidens* and other shark's teeth, bird bones, whale teeth, sawfish rostral teeth, Pleistocene mammal fossils. Member of Myrtle Beach Fossil Club, Myrtle Beach, S.C. Would like to trade with other members to expand his collection.

William F. McComas
Box 2875
Iowa City, IA 52244

Teacher. Will trade. Major interest general collecting. Pennsylvanian fern fossils. Member Delaware Valley Paleontology Society, Philadelphia, PA.

Andrew L. Price
P.O. Box 331
431 Hostetter Dr.
Millersville, PA 17551
717-872-9201

Photographer. Will trade. Major interest trilobites, crinoids starfish. Has for trade Swatara Gap trilobites, crinoids, starfish and various northeast American trilobites. Wants to get to know other collectors and to trade.

Robert Routsahn
518 Superior
St. Louis, MO 63135
314-521-1152

Teacher--Oil & Mining Consultant. Will trade. Major interest collecting, teaching, judging for 30 years all aspects of fossils & geology; specializing in invertebrates. Has for trade all phyla. Founder of Western Interior Paleontological Society (WIPS).

Bill & Nancy Schneider
Schneider's Rocks & Minerals
Poway Road
Poway, CA 92064

Thomas Servais
1022 Burgess
St. Paul, MN 55103

Geologist/student. Will trade some. Major interest Penn age invertebrates. Has for trade Penn age invertebrates from OK and KS. Wants to learn more about paleontology, Penn invertebrate associations in cyclothem, and to share the enjoyment of collecting.

David & Janet Smith
Rt. 3 Box 605
Brentwood, CA 94513
415-634-1314

Landscaper. May trade. Loves fossils.

Berneiece E. Soules
P.O. Box 175
Grand Ronde, OR 97347

Lynne S.B. Tischer
Lou-bon Gems & Rocks
6341D Columbia Pike
Bailey's Crossroad, VA 22041

Gary Towles
844 Melrose Drive
Charleston, SC 29414
803-766-2892

T.V. Commercial Producer. Will trade. Major interest vertebrate fossils, insects in amber, fossil wood. Has for trade shark's teeth, Eocene invertebrate material. Wants to further his interest in collecting.

Dave Tribble
Piedmont Avenue
Atlanta, GA 30309

Entertainment publicist. Interested in all areas of 950 paleontology. Curator of the "Dinosaur World" exhibit, which has been displayed throughout the state of Georgia. Plans to expand this exhibit into a Southeastern traveling museum in the near future.

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: January 1 through December 31 is \$10.00 per household. Institution or Library fee is \$25.00. Overseas fee is \$10.00 with Surface Mailing of DIGESTS OR \$25.00 with Air Mailing of DIGESTS.

MAPS meetings are held on the 1st Saturday of each month (2nd Saturday if inclement weather). September, October, May, July, and August meetings are scheduled field trips. The June meeting is in conjunction with the Bedford, Indiana, Swap. November through April meetings are scheduled for 2 p.m. in the Science Building, Augustana College, Rock Island, Illinois. One annual International Fossil Exposition is held in the Spring.

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

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CYATHOCRINITES

MID-AMERICA PALEONTOLOGY SOCIETY

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Dated Material - Meeting Notice



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