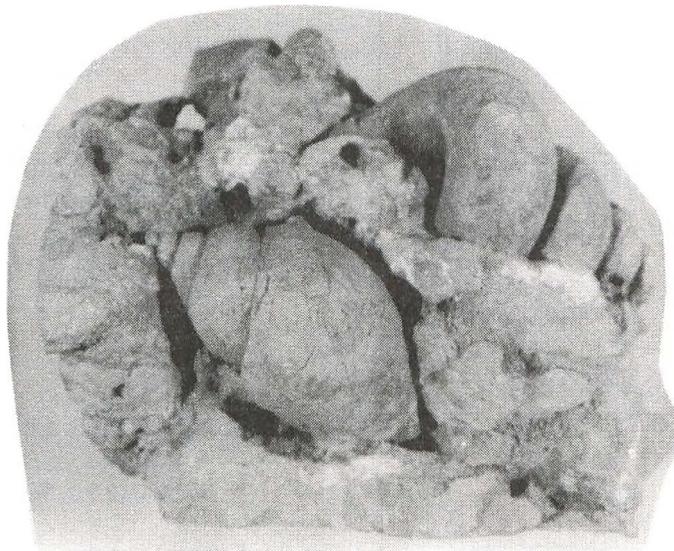


# M.A.P.S *Digest*

Official Publication of  
Mid-America Paleontology Society

Volume 17 Number 3  
March, 1994



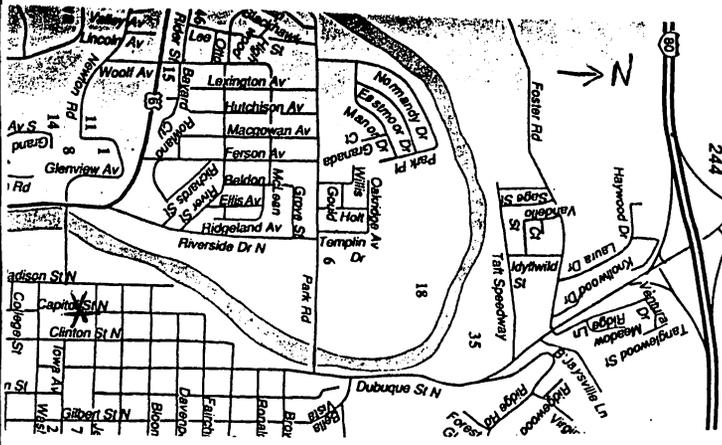
**MARK YOUR CALENDARS**

5 MAR MAPS MEETING. Trowbridge Hall, University of Iowa, 123 N. Capital St., Iowa City, IA. Main Lecture Room, #125.

1:00 Board & General Meeting combined.

2:00 Program: Rachel Denton, a Paleontologist at Fossil Butte National Monument, Wyoming. She will speak on "Fossils from the Green River Formation: a 50 Million Year Old Ecosystem." Her presentation will include slides and material from the Repository.

Parking is available in a ramp on Madison St. just west of Trowbridge. There is another ramp 2 blocks north on Madison.



15 APR 1994 MAPS NATIONAL FOSSIL EXPOSITION XVI

16  
17  
Fri., Apr. 15: 8am - 6pm  
(Keynote speaker: Dr. Donald Wolberg - evening)  
Sat., Apr. 16: 8am - 5pm  
(Business meeting and auction following)  
Sun., Apr. 17: 8am - 3pm  
(Morning seminar)

**PLEASE NOTE: THE DATES ARE INCORRECT IN THE 1993 DIRECTORY**

**\*\*\* 94/03 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--94/03 means 1994/March. 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. (Please send a check drawn on a United States bank in US funds, US currency, a money order, or a check drawn on an International bank in your currency.) Library/Institution fee is \$25.

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

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**ABOUT THE COVER**

This month's cover is a photo taken by Gil Norris, Rock Island, Illinois. The fossil gastropod, from his collection, is from the Ordovician in Iowa.

\*\*\*\*\*

**DINOSAUR BONES EMERGING FROM UTAH ROCKS**  
**source: Chicago Tribune**  
**Oct. 21, 1993, sec. 1, p. 4**

The fossilized remains of a dinosaur discovered in 1990 are slowly emerging from a rock layer in Salt Lake City, Utah. Scientists believe the skeleton, which is in a layer of rock that is 150 million years old, is that of a new species of meat eater up to 20 feet long. A three-ton block of rock containing most of the skeleton and some separate pieces were taken by helicopter to a lab at Dinosaur National Monument. The unnamed dinosaur had not been previously publicized.

PROPOSED CHANGES TO THE BY-LAWS

MAPS EXPO XVI--DINOSAURS

This is the last issue of the Digest before EXPO. The next issue is a big issue on Dinosaurs, which can be picked up at or will be mailed from EXPO. We hope all of you who are planning to attend have made your plans. Doug DeRosear reported at the February 5th MAPS meeting that all tables inside the ballroom had already been taken. Plans for next year include limiting tables to MAPS members and checking into the possibility of adding another room for tables. We seem to be growing by leaps and bounds and really could use more space for the show.

NEW AT EXPO THIS YEAR: The Katherine Palmer Award for outstanding contribution to the profession of paleontology by an amateur, Friday night just prior to the keynote address. The Katherine Palmer Award is awarded annually by the Paleontological Research Institution in recognition of outstanding contribution by non-professional paleontologists or stratigraphers, amassing of significant and well documented research collections of fossils and/or evidence of scholarly activities such as presentations at professional meetings, publications or field guides.

This award recognizes the important role played by amateur paleontologists an is intended to promote cooperative studies between amateurs and professionals. Recognition is not limited to PRI members, although awardees will be made honorary members of the institution.

ALSO AT EXPO: The Paleo. Society will have a representative manning a table with literature published by the Society and information about the organization.

\*\*\*\*\*

EXPO CANCEL

Tony Verdi has again designed an envelope and postal cancel depicting the EXPO theme. Both will be available at the show. Those of you who want the cancel and envelope but cannot attend the show can send a request to:

Tony Verdi  
1225 Ledge Rd.  
Hinckley, OH 44233.

The MAPS Board is proposing a change in four of the by-laws of MAPS to reflect the current way we are issuing memberships. First reading of the proposed changes was given at the February 5th MAPS meeting. Second reading will be at the March 5th meeting and a vote will be taken at the meeting at EXPO. The proposals follow:

**Article 1 Sec. 2** change to: Dues shall become past due on the anniversary date shown on members' Digest label.

**Article 1 Sec. 3** change to: Membership for new members admitted into the Society will commence on the the month the dues are received by the Treasurer and will expire after a period of 12 months unless renewed.

**Article 1 Sec. 4** change to: All new members shall be provided a copy of this constitution and by-laws and all future issues of a club bulletin as long as they are active members.

**Article 1 Sec. 6** change to: Members whose dues are not paid by their anniversary date shall be considered not active

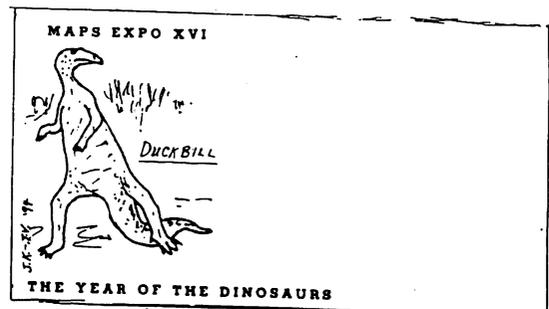
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**Include \$1.25 for each envelope plus an addressed and stamped #10 envelope. Deadline for requests is April 10.**

Tony will also have available at the show a nice selection of dinosaur stamps from all over the world--first come, first served.



Cancel



Envelope

OLD BONES AND SERPENT STONES
by Lee Cary; from Bone Valley Fossil News
Bill & Doris Prokopi, eds. Sept. 93

Two new volumes should be of interest to members who travel around the country looking at fossil sites. Old Bones and Serpent Stones, Volume 1: Eastern States, by Jerry N. McDonald, discusses 39 sites in the eastern United States and Canada. Old Bones and Serpent Stones, Volume 2: Western States, by Theresa Skivara covers 45 sites in the western states and Canada.

These two volumes are a guide to interpreted fossil sites. Each volume examines various aspects of paleontology, lists fossil sites that are open to the public, and includes information on the geological setting and paleontological significance of each site and its fossils. Also included are directions to each site, fossil exhibits, educational facilities, sources of additional information, location map for each site, seasons and hours sites are open, fees if any, etc. The collecting of fossils at any of these sites is strictly prohibited. Both volumes are well written and easy to read.

These books are published by The McDonald and Woodward Publishing Company, Blacksburg, VA, and sell for \$14.95 each. Date of publication is 1992.

\*\*\*\*\*

DINO FEST IN INDIANAPOLIS, INDIANA

Celebrate the 25th anniversary of Indiana University Purdue University at Indianapolis from March 24-26. Experience the fun and beauty of science with more than 30 of North America's great dinosaur hunters, Mesozoic paleo-ecologists, and molecular biologists who will talk about the origin of dinosaurs, cloning and DNA replication, dinosaur digs, evolutionary trends and milestones, and theories of dinosaur extinction.

Visit IUPIU's new \$34 million library where dinosaur bones and other fossils, many of which have never before been shown to the public, will be on display, courtesy of Mayflower Movers, and where you will also see exhibits on DNA replication, bone

biomechanics, CAT scans of dinosaur eggs, and plants from a Cretaceous forest.

Pick up a souvenir volume, published in collaboration with The Paleo. Society. Eat chicken and pine nuts and learn how birds evolved from dinosaurs. Dino Fest is an adventure in science for the general public, especially for students of all ages, their parents and teachers. Venues are small and registrations limited.

Sponsored by Ameritech, Mayflower Group, and The Paleo. Society. See below for application.

PARTICIPANTS INCLUDE:

- Robert Bakker, Catherine Forster, Charles Officer, Claudia Barreto, Diane Gabriel, John Ostrom, Reese Barrick, Emily Giffin, Frank Paladino, Diane Bellis, David Grimaldi, Gregory Paul, George Callison, Richard Hengst, J. Keith Rigby, Raul Cano, Mary Higby Schweitzer, Bruce Rothschild, Karen Chin, John Horner, Paul Sereno, Anusuya Chinsamy, Nicholas Hotton III, Peter Sheehan, Peter Crane, Erle Kauffman, Jody Smith, Philip Currie, Jon Kramer, Noreen Tuross, Peter Dodson, Peter Larson, Donald Wolberg, James Farlow, Andy Leitch, William Zinsmeister, Rodney Feldmann, Don Mikulic

SUBJECT TO CHANGE WITHOUT NOTICE.

IUPIU DINO FEST REGISTRATION FORM

Name: \_\_\_\_\_
Organization: \_\_\_\_\_
Address: \_\_\_\_\_
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_
Daytime Phone: ( ) \_\_\_\_\_

FEES

3-DAY REGISTRATION: MARCH 24-26

The following registrations include admission to all daytime lectures and to the Friday evening session at Madame Walker Theatre. They do NOT include admission to DINO FEAST.

Table with 2 columns: Please indicate number of registrants, subtotal. Rows: Professional; \$50 each, Student (University level); \$25 each, Elementary/secondary teacher; \$25 each.

INDIVIDUAL SESSIONS

Half-day: adult & professional (as available, on site only); \$8 each on site only

Half-day: elementary/secondary students accompanied by teachers (by advance arrangement) Free

Friday Evening General Session, March 25 @ Madame Walker Theatre, 617 Indiana Ave., 8:00 pm - 10:00 pm
Adult; \$6 each
Children 12 & under; \$3 each

DINO FEAST: University Place Ballroom
Friday, March 25, 5:00-7:00 pm
Adult; \$10 each
Children under 12 years; \$5 each

Box Lunch, Thursday, March 24. (Will help you avoid crowds at University Place Food Court.); \$8.50 each

TOTAL AMOUNT \$ \_\_\_\_\_

Note: There is a \$15.00 cancellation fee. NO fees will be returned after March 20, 1994

Mail your registration form and check, payable to IUPIU: Ms. Harriet Rodenberg, DINO FEST, University Place Conference Center, IUPIU, 850 W. Michigan Street, Indianapolis, Indiana 46202 TEL: (317) 274-5053

OR you may FAX your registration with your VISA or MasterCard number to: (317) 274-3878.

VISA Mastercard Card No: \_\_\_\_\_
Exp. Date: \_\_\_\_\_
Signature: \_\_\_\_\_

FALLS OF THE OHIO STATE PARK

LETTERS TO THE EDITOR

Dear MAPS Editor,

What a pleasure it was to see Mark G. McKinzie's cover story in the December 1993 issue. In particular what caught my eye was the upside down floating crinoid and its bulbous float! *Scyphocrinites* from Oklahoma.

Just weeks earlier at a mineral show, I spotted a large crinoid head(?) among the mineral specimens. What was it? What was it doing there? It was softball size and we don't see crinoids that size in western NJ. The dealer had gotten it from a collector in Oklahoma who had collected it on private property. As I whipped out the \$8.00 the dealer wanted, I asked if she had any more specimens--or information she could give me--but that was it. After I scrubbed and admired it again, we attempted to identify our find, and Dr. Carleton Brett, University of Rochester, helped. He told us it was a floating crinoid and that we had the float or the root of an *Scyphocrinites*! Then we saw Mark's cover and article and the mystery is becoming clearer. Maybe?

Thanks, Mark.

Bruce & Ruth Banick, Eden, NY  
Members MAPS & Buffalo Geo. Soc.

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Fossils are for Everyone

(Ed sent this letter, which was published in the Rapid City Journal, Rapid City, SD, 1/24/94.)

In Florida, anyone can obtain an annual license for \$5 to hunt vertebrate fossils on state-owned or leased land, and the seven amateur fossil clubs there have great rapport with the University of Florida, which monitors the program.

Such a system, if adopted by federal land managers, would save a lot of fossils, delight the hobbyists, and make a lot more sense than the cost of hiring and equipping "fossil cops" and spending thousands of taxpayer dollars prosecuting alleged "fossil thieves" for salvaging fossils obviously undiscovered or unwanted by licensed professionals, which would otherwise have deteriorated.

The 1993 Paleontological Resources Preservation Act--the House bill--provides a common-sense, scientifically sound approach to management of paleontological resources on public lands (owned by us and managed with our tax dollars). Tell your senators/congressman to go for it! And join ALAA (American Lands Access Association, based in Idaho Falls, Idaho), the new lobby group working to open public lands to hobbyists.

Ed Armentrout, Hot Springs, SD

\*\*\*\*\*

This note came from Yvonne Albi, Playa del Rey, California. The Albis are in the California earthquake zone.

Sorry this (dues check) is late. What with the earthquake, we have been very busy. Fossils all O.K. but some china and glass, etc., broken. It hasn't been easy.

Last month's *Digest* carried an article about the new Falls of the Ohio State Park, Clarksville, Indiana. Unfortunately, there was no mention of how to contact the park management. Alan Goldstein called this oversight to my attention.

Information about the park may be obtained from:  
Falls of the Ohio State Park  
201 W. Riverside Dr.  
Clarksville, IN 47129  
(812) 280-9970

Alan also said he would like any MAPS member passing through to drop in and say "hello!"

\*\*\*\*\*

GUIDE TO DINOSAUR SITES  
AVAILABLE THROUGH BLM  
from Tampa Bay Fossil Club's  
*The Fossil Chronicles*  
Frank A. Kocsis, Jr., Ed.

SACRAMENTO, Calif.  
--Dinosaurmania has spread to the Bureau of Land Management (BLM) in the wake of the blockbuster film, *Jurassic Park*.

The BLM's California state office has prepared a handout detailing places travelers can tour to see fossils and dinosaur tracks on public lands. The Wyoming state office, in cooperation with the BLM's Washington, D.C. office also is preparing national public service announcements for radio and television to inform the public about paleontological resources.

Both announcements contain information on when best to visit these sites and how to avoid damaging these valuable resources, which range from footprints to fossils.

Information on sites in California can be obtained by calling BLM's Public Information Room at (916) 978-4754.

(Reprinted from *Highways*)

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DIRECTORY NOTICE

A new Directory will be published this year in April, but only a supplement next year, so get your additions and changes in by Mar 10. Members who joined since Dec. will get Directories in April.

## A STRANGE "SNAIL"

by B. L. Stinchcomb, Ferguson, Missouri

Van Buren, Missouri, in Carter County hasn't changed much since the mid 1950's! Nestled in the valley of the Ozarks Current River, Van Buren is a hub for float trips and other outdoor oriented recreation. I remember going there as a teenager in the mid 1950's and finding some nice Cambrian fossils in roadcuts south of the Current River along highway 60. Rock outcroppings north of Van Buren were the basis or type locality for a sequence of strata recognized by its fossils in the mid 1920's. Fossils found in this sequence were different from others then known from the Ozarks, and the strata which yielded them was named the Van Buren Formation after the town. One of the largest of these fossils, a primitive cephalopod *Burenoceras* has the town as its namesake. Fossils from the Van Buren Formation are not too easy to come by, for it takes a trained eye to see them. Sometimes, however, a chert boulder or slab will be found chuck full of Van Buren fossils, particularly mollusks. They are interesting not only in their relative rarity but also because some of the oldest cephalopods are found in the formation, forms such as *Burenoceras*. These cephalopods are not just sections seen on a polished surface, but rather they are complete three dimensional chert steinkerns of the living chamber and phragmacone.

On a recent trip to Van Buren we ate a hamburger at the same restaurant I had visited in the mid 1950's with my aunt and uncle. Except for the video games replacing pin ball machines and the juke box playing contemporary rock and country and western music instead of Elvis and his "Blue Suede Shoes," the place looked the same as 30 years ago. The sandstone slab building next door also still had the ripple marked slab with the puzzling fossil trackway called *Climactichnites*, but that's another story. And as before, roadcuts both north and south of town again yielded some nice snails and trilobite parts.

I explored south of Van Buren where a lot of logging roads were made in the mid 1980's. These logging roads cut into the rugged terrain and exposed masses and beds

of sometimes fossiliferous chert. Gastropods, cephalopods and other mollusks turned up. These were familiar fossils; however, one of the gastropods was decidedly strange and un-snail-like. Most gastropods coil in a right-handed direction (clockwise or dextral). Some early gastropods also coil in a plane, one side being dextral, the other side being left-handed, or sinistral, depending upon which side of the fossil you examine. This snail type is referred to as a bellerophon, and none live today. The Van Buren fossils were of that type.

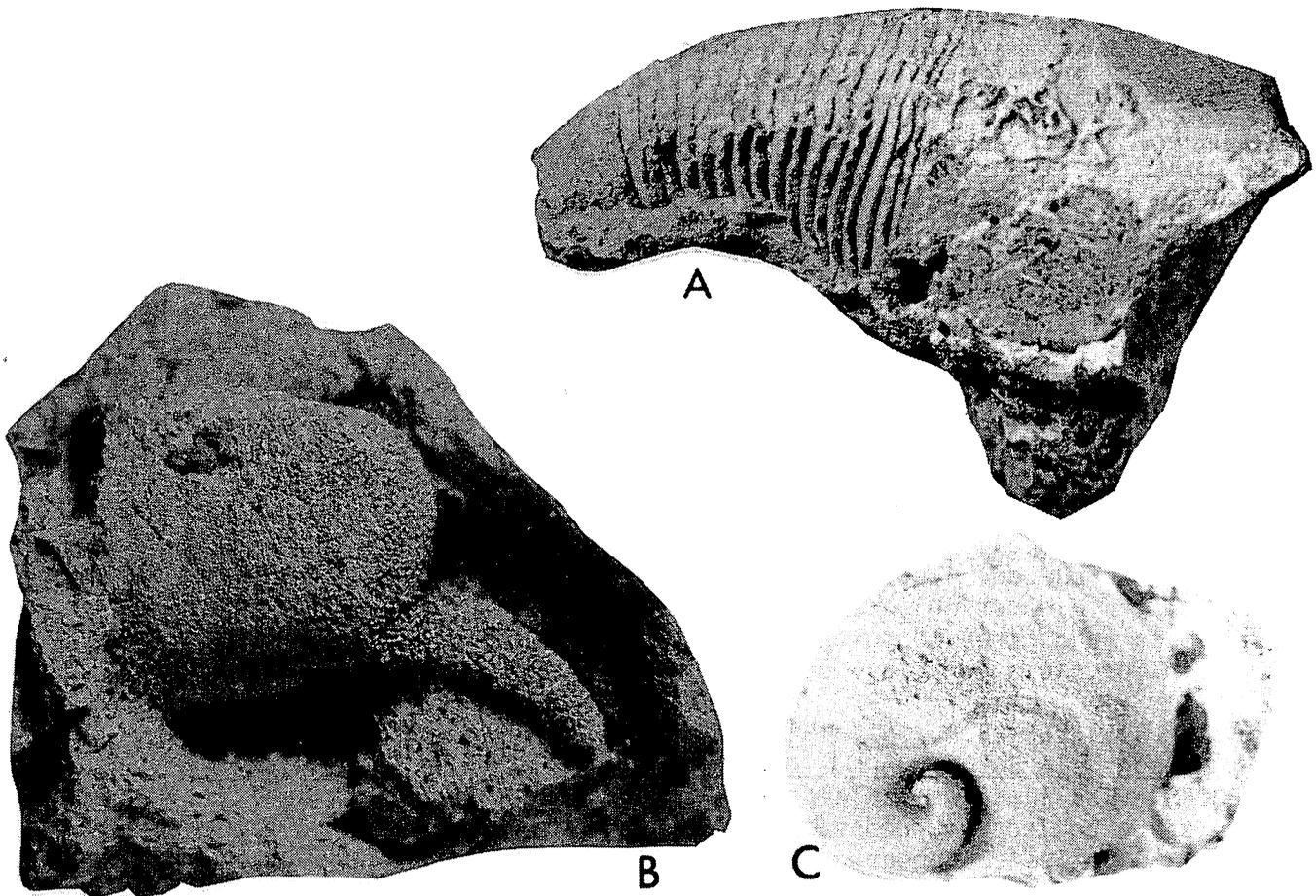
A bellerophonid gastropod probably related to this form is described from Ozark rocks by Ellis Yochelson, 1989. Yochelson purposely doesn't place this fossil into any particular family since it's not certain as to whether all bellerophonids are really related to each other or if different members of this group came from different lineages. If they came from different lineages, they should not be classified under the same heading, the Order Bellerophonacea. Some paleontologists have even questioned the assignment of some types of bellerophons to the gastropods.

The Van Buren bellerophons exhibit a peculiar logarithmic spiral, a curved aperture (opening) and a very slender shell profile. Most bellerophons are relatively wide and fat, but these forms are slim. No gastropod like that is known in the paleontologic literature from either the Cambrian or from the Lower Ordovician, and lots of snail-like fossils are known from rocks of this age. This fossil is an interesting example of an undescribed genus and species of a peculiar type of bellerophon. The thing should eventually be formally described in a paleontological journal such as the *Journal of Paleontology*.

This fossil, however, also illustrates a point about fossils in general, and that is that many significant forms are yet to be discovered and described, particularly from areas or strata which have to date yielded few or no fossils. Also, these peculiar

mollusks of the Cambrian are significant, for the Cambrian represents that part of earth history when basic body plans of the animal world were being formulated. Any paleontologically new Cambrian fossil has the potential of contributing some significant new information on this critical part of geologic time. During the Cambrian there were seemingly more "body plans" and morphologies than during later times;

things had not yet become standardized. One wonders how many other puzzling and unknown fossils lie in the maze of hills and valleys around Van Buren and elsewhere where extensive Cambrian strata are exposed. I'm also going to keep an eye on that sandstone slab building in Van Buren; if it's ever torn down, the trackway should be salvaged.



#### VAN BUREN FOSSILS

- A. The early ellesmeroid cephalopod *Burenoceras*, Van Buren Formation. This specimen shows sediment-filled chambers (phragmacone) and living chamber to the right.
- B. *Burenoceras* without the phragmacone. Living chamber of the cephalopod is to the left and curved siphuncle is to the right.
- C. Peculiar undescribed gastropod. All specimens from the Van Buren, Missouri, area.

## 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.

**Museum Quality Fossils, Wholesale Cat. & updated list** - send \$3.00. Buy by the piece or in large quantities. 90% self collected. Professionally prepared by Eric. Many marketed items for the shop owner. Large collection of kit fossils available; ask for details.

**Eric Kendrew, The Fossil Store**, 4436 Tevalo Dr., Valrico, FL 33594. 813-681-4350

**INDEX FOSSILS OF NORTH AMERICA** by Shimer & Shrock. List \$95.00. Our Price: \$75.00 postpaid (while they last). We buy/sell out-of-print fossil books. **PALEO BOOKS & PREP SUPPLIES**, PO Box 542MD, Hot Springs, SD 57745. Tel. 605/745-5446. (No Credit cards please.)

**Tired of outdated guidebooks**, poor directions, third hand info? Why not check out a site before you get there?

Get the LIST--Localities Information Service Tips. Updated, accurate, first hand info on top Midwest collecting sites. Free specimens and free consultation for members. Join for \$10 a year, \$15 overseas.

Robert Wolf (515) 955-2818, 3521 10th Ave. North, Fort Dodge, IA 50501

**FOSSIL BOOKS**. 135 in-print titles, including many state collecting guides. Fossil preparation supplies/equipment. Catalog \$3.00. U.S. orders only. Retail only. **PALEO BOOKS & PREP SUPPLIES**, P.O. Box 542MD, Hot Springs, SD 57747. Tel. 605/745-5446

### **FOSSIL INSECTS IN BALTIC AMBER!**

Wholesale/Retail from **Nature's Treasures**. 3,000 pieces per month available through our sources in Russia and Lithuania. See us at M.A.P.S. Expo April 16-17 or call us at (708)983-5504. Ask for John Ashburn.

**GOOD TRADING OPPORTUNITY**. Attention all collectors. Canadian and European fossils for trade (no sale) at MAPS EXPO Friday from 10 AM to 6 PM. For more information write to **Jean-Guy Pellerin**. See Directory p. 60 for address.

### **Guaranteed Unfashionable.**

Still wearing polo ponies, funny crocs and crossed rackets on your shirts? Forget fashion, show your passion with **Styxosaurus**, a made in America elasmosaurid T-Shirt. Image approx. actual size on left breast, black on khaki. For MAPS members: \$12 includes postage and everything (MO res. add 6¢/\$1.00). Send name, address, quantity, size and check payable to: Studio T, 12812 Wood Valley Ct., St. Louis, MO 63131-2051. Questions? 314-821-8701. Send your requests for future designs!



### **EVIDENCE WHALES MOVED FROM LAND TO SEA** source *USA TODAY*, Jan. 14, 1994 sent by Mary Boland

Is the whale really a descendent of a land creature that returned to the sea? A new discovery adds evidence to that belief.

Researchers say the skeleton of a 50-million-year-old creature that had a snout like a dolphin and big flipper-like hands and feet may be the "missing link" between land animals and whales. *Ambulocetus natans* was the size of a male sea lion and weighed between 600 and 700 pounds.

It moved on land by lurching forward and bumping along on its chest. According to Hans Thewissen, Northeastern Ohio Universities College of Medicine, Rootstown, the creature's skull and teeth are nearly identical to other primitive whales.

A smaller whale, found by Thewissen last year, had ear bones that would have enabled it to hear on both land and sea. Both fossils were found in northern Pakistan. The finds suggest that whales were once land creatures, but returned to the sea about 50 million years ago.

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

Homer Bittiker  
6617 Milhaven Dr.  
Shawnee Mission, KS 66202

Christie Brown  
FORBES  
60 5th Ave.  
New York, NY 10011  
212-620-2200

Writer.

Lynn M. Carlson & Co.  
175 South Main St, Suite 250  
P.O. Box 3690  
Salt Lake City, UT 84110

CPA.

Douglas K. Dew, M.D.  
& Erica M. Dew  
P.O. Box 339  
East Palatka, FL 32131  
904-325-1844

Orthopedic Surgeon. Will trade. Major interest Pleistocene/Pliocene mammals/articulations; computer imaging of fossils. Has for trade misc. Member of Tampa Bay Fossil Club, Fla. Fossil Hunters, Fla. Paleo. Soc., Paleo Soc., P.R.I., Soc. of Vert. Paleo. Interested in general fossil collecting and preparation.

James Earman  
5107 South Cabin Drive  
Huntingtown, MD 20639  
410-535-1312

Computer Tech. Will trade Has for trade shark teeth --Skate material. Major interest Miocene. Member of clubs in FL, SC, NC, VA, MD and NJ.

Mark, Chris & Steven Marshall  
1519 Spruce Ct.  
Carmel, IN 46033  
317-274-7565

Molecular Biologist. May trade. Major interest collecting trilobites/amonites. Member Indiana Soc. of Paleo. Mark has been an amateur paleontologist since he was young. Wants to associate with others with same interests and continue learning and collecting.

Richard M. McDermott  
201-18 43 Ave.  
Bayside, NY 11361

Patrick Norton  
11 Harvey Brook Drive  
Yarmouth, ME 04096  
207-865-0583

Public Policy Analyst. Will trade. Has for trade Carboniferous flora from Nova Scotia, Devonian brachiopods from Maine. Collection still small, hoping to expand. Major interest micro-vertebrates, Paleozoic invertebrates and trace fossils. Wants to make contacts, expand knowledge and enlarge collection.

Mark Robson  
Apt. 301  
2835 Keller Springs Rd.  
Carrollton, TX 75006

David Schmidt  
350 Wiltshire Blvd.  
Dayton, OH 45419  
513-293-2963

Ben W. Vrana, Ph.D.  
705 C St.  
Schuyler, NE 68661-2334

Educator in fields of Multi-Cultural/German/English. Will trade or sell. Major interest Cretaceous fish; Cretaceous and Eocene plants and insects; corals—all periods.

Ronald T. Williams  
2570 Heron Dr.  
Lindenhurst, IL 60046  
708-356-9023

Dentist. May trade. Major interest vertebrates, dinosaurs & crinoids; Midwest fossil hunting, teeth, etc. Various collection to trade. Wants to learn more about fossils and fossil hunting and to possibly buy and trade fossils.

Kent Wilson  
465 Hidden Pines Lane  
Del Mar, CA 92014

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

Charlotte Fox-Ackerman  
& Don Ackerman  
13711 Balfour  
Oak Park, MI 48237  
810-541-8796  
\*PHONE\*

Biology teacher (High School)—Charlotte. Will trade. Major interest: vertebrates. Interested in meeting & collecting with others in our area, and in discovering new collecting sites. Welcomes out-of-town visitors, with any fossil interests.

Willem Bessem  
267 Swanson Road  
HENDERSON  
AUCKLAND 8  
NEW ZEALAND  
8338733

G. L. "Buckie" Damone  
R.R. 1, Box 1702  
Lewistown, MT 59457  
406-538-7592

Mr. Christopher J. Gervasi  
411 Covington Rd.  
Haverford, PA 19083  
610-853-1201

Grad student: environmental sci., physical anthropology/vert. pale. Will trade. Major interest (1994) Cenozoic mammalian fauna, particularly primates, & proboscideans. Cenozoic turtles & tortoises, ammonites, insects and plant in amber, & dinosaur teeth and bone. Has for trade ferns & plants from St. Clair, PA, Miocene & Pliocene Cetacean & Chondrichthyes material from Calvert Cliffs & Aurora, etc.

Donald J. Kenney  
28 Briar Lane  
Essex Junction, VT 05452

Computer Scientist. Will trade. Major interest Lower Cambrian life forms. Have some Latham shale material for trade (Ollenild trilobites, hyolithes, some brachiopods). Interested in communicating with other enthusiasts interested in very early life forms. Interested in techniques for enhancing poorly preserved information from early life forms.

Mrs. Ruth Kirkby  
7621 Granite Hill Drive  
Riverside, CA 92509  
714-685-5818

Executive Director, Jurupa Mountains Cultural Center. Will not trade. Major interest Education, Paleobotany.

Richard & Lila Stevens  
5889 West State Road  
Lansing, MI 48906  
517-321-4379

Both retired. Will trade. Major interest plant fossils and trilobites. Have for trade Michigan brachiopods, Petoskey stones, bryozoa. Wants to go on field trips and learn about new finds.

The **M**id-**A**merica **P**aleontology **S**ociety (MAPS) was formed to promote popular interest in the subject of paleontology; to encourage the proper collecting, study, preparation, and display of fossil material; and to assist other individuals, groups, and institutions interested in the various aspects of paleontology. It is a non-profit society incorporated under the laws of the State of Iowa.

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

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

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

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

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## CYATHOCRINITES

MID-AMERICA PALEONTOLOGY SOCIETY

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MAPS EXP. DATE..... 94/12  
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Dated Material - Meeting Notice