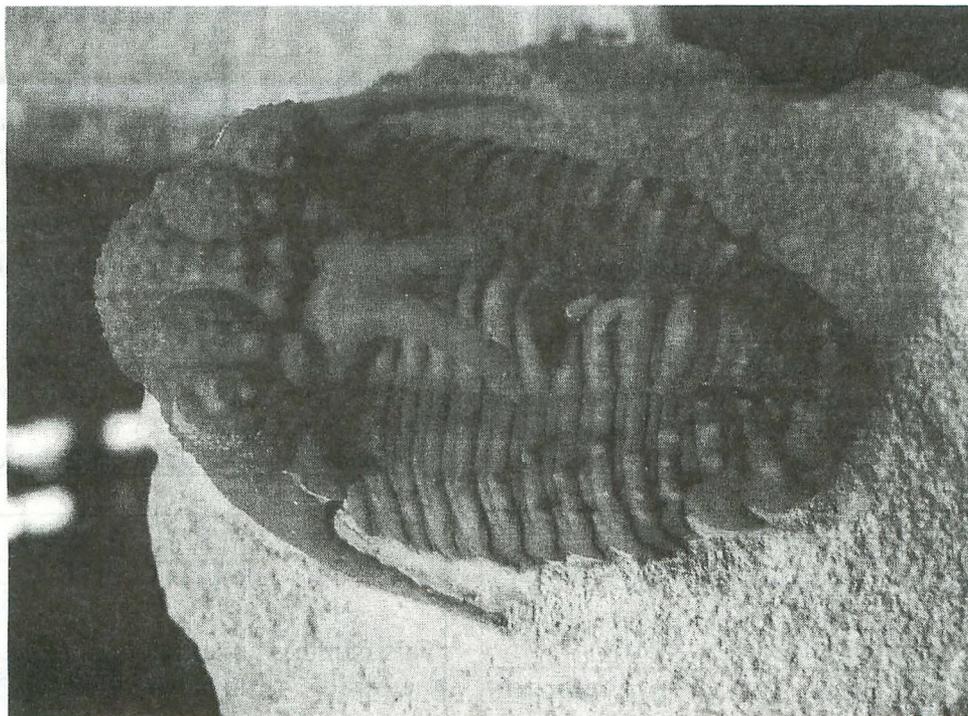


# M.A.P.S. *Digest*

Official Publication of  
Mid-America Paleontology Society

Volume 24, No 6  
July-September 2001



## MARK YOUR CALENDARS

### Oct 13 MAPS MEETING

Visitor's Center, Devonian Fossil Gorge, 2.4 miles north of the I-80 exit #244 (Dubuque Street). Turn east on West Overlook Road at the Coralville Lake sign.

1:00 Board and General meeting

2:00 Program by Dr. Brian Glenister, University of Iowa

"Devonian Fossil Gorge, Coralville Lake: A Window to Iowa's Ancient Tropical Seas. It will revolve around 35 mm slides - under water shots of living forms in South Florida and the Caribbean, and flashbacks to Devonian analogs. These are topics dear to my heart, after 40 years of teaching field courses in these areas, for students and oil company"

The program will be followed by a visit to the Devonian Fossil Gorge to view the new improvements and possibly visit the museum at the visitors center.

### Nov 10 MAPS MEETING

Place to be determined

1:00 Board and General meeting

2:00 Program (to be determined)

### Jan 12 MAPS MEETING

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

1:00 Board and General meeting

2:00 Program—Chris Brochu

Chris is the new vertebrate man at Iowa. He was involved with the preparation of Sue at the Field Museum but he will present a program on his main interest - before and after Sue - crocodiles.

### Feb 9 MAPS BOARD AND GENERAL MEETING & PROGRAM

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

1:00 Board and General meeting

2:00 Program—Russ Ciochon

Russ is a paleoanthropologist and will present a program on Gigantopithecus - an extinct ape which was the largest primate ever to roam the earth.

### Jun 5-Dec 22 EXTREME ENVIRONMENTS: THE WORLD OF THE EURYPTERID. Paleo Research Inst. (PRI), 1259 Trumansburg Rd., Route 96, Ithaca, NY 14850. 607-273-6623. www.priweb.org

An experimental multimedia experience introduces the world of 350-550 million years ago.

### Jun 27-Jan 5 MAKING OF THE MUSEUM: QUEST FOR MEGAFUNA. Paleo Research Inst. (PRI), 1259 Trumansburg Rd., Route 96, Ithaca, NY 14850. 607-273-6623. www.priweb.org

Find the answers to how the PRI recently acquired a number of large vertebrate specimens and what they intend to do with them.

### Aug 30-Nov 25 GARDEN OF THE SEA LILY - AN EXHIBIT ON CRINOIDS. Falls of the Ohio State Park, Clarksville, IN

See spectacular crinoids across geological time from private and museum collections. The exhibit will focus on their biology and ecology and is planned to include a marine aquarium with living crinoids. Admission to the park Interpretive Center is \$2 for adults and \$1 for children. See Falls of the Ohio Festival for contact info.

### Oct 6-7 18<sup>TH</sup> ANNUAL FOSSIL FAIR—THE YEAR OF THE WOLF

Lake Mirror Center, 800 East Main St., Lakeland, FL

Sat. 9-5; Sun. 9-4

Contact Ed Holman 863-665-3426; miocene5@earthlink.net

### Oct 7 DISCOVERY CHANNEL'S SPECIAL DOCUMENTARY OF PRI'S EXCAVATION OF THE HYDE PARK MASTODON.

See www.priweb.org (Adopt-A-Bone program) for info on the project.

### Oct 20-21 BLACKHAWK CLUB SHOW—Includes Dr. William Hammer, Augustana College, with Dinosaurs on Ice. IBEW Training Center, 1700 52<sup>nd</sup> Ave., Moline IL

Sat. 10-6; Sun. 10-4

### Oct 20-21 32<sup>ND</sup> ANNUAL SOUTH SUBURBAN EARTH SCIENCE CLUB'S SHOW—INCLUDES FOSSILS. Prairie State College, 202 South Halsted St., Chicago Heights, IL 60411

Sat 10-6; Sun 10:30-5

Contact Bob Frank 708-388-7365; Marily Quas 708-709-3674

### Oct 26-28 FOSSILMANIA XIX. The Somervell County Expo Center, Highway 67 in Glen Rose, TX. An annual sale and trade show for fossils and fossil-related items. Free Admission

Fri. & Sat. 9 am - 6 pm (Fossil Auction Sat. night)

Sun. 9 am - 12 noon

Contact: Bill Morgan (after 8 pm) 210-492-9163

### Nov 17 DINOSUARS OLD AND NEW. Lizzadro Museum, 220 Cottage Hill, Elmhurst, IL 60126. 630-833-1616

2:00 60 min. Lecture by dinosaur specialist Dennis Kinzig. Ages 8- adult. Memb.-free; Non Memb.-\$3. Reservations recommended.

### Nov 30-Dec 2 FOSSIL FEST 2001—11TH ANNUAL FOSSIL FEST Old settlers Park in Round Rock, Texas

Fri 10 to 5; Sat. 10 to 5; Sun 10 to 5

Contact: Mike Smith (512) 288-6582. www.texaspaleo.com/ctps

### Mar 24-25 BUFFALO SHOW—INCLUDES FOSSILS

Erie County Fairgrounds, Hamburg, NY

Sat. 10-7; Sun. 10-5

Contact Bob Hoffman 716-681-6875; RJH52089@earthlink.net

### Apr 12-14, 2002 MAPS NATIONAL FOSSIL EXPOSITION XXIV - TRACKS, TRAILS, and TRACES

Western Illinois University, Macomb, IL

Fri., Apr. 12 8 am - 5 pm Keynote Speaker @ 7:30

Sat., Apr.13 8 am - 5 pm Meeting & Live Auction @ 7:00

Sun., Apr. 14 8 am - 12 noon

Information will be included in the December issue.

## ABOUT THE COVER

This month's cover photo is *Hoplolichas furcifer* from the Middle Ordovician, Wolchow River, Russia. The photo was taken at Expo in March.

Each year at Expo there are marvelous specimens to be seen, traded for and/or bought. If you have haven't been to Expo yet, we hope you will be plan to attend one of the shows in the future.

**PROCEEDINGS OF THE BOARD**

July 22 Summer Picnic, Field Trip & Meeting

The board met following a hot but successful field trip to Conklin Quarry in Coralville, Iowa, and a potluck at the home of Bill and Sharon Sonnleitner. The following items were acted on:

Because of a need to upgrade the computer used by the treasurer/editor, authorization was given to spend up to \$1500 to purchase a new computer. It was also decided to dispose of the computer purchased by MAPS in 1988 since it is obsolete and has not been used for several years.

From the Expo auction proceeds, \$2000 will be donated to the Paleo Society, \$500 to the Paleo Research Institute (PRI), and \$100 to the Strimple Fund. (\$411.44 has already been used to offset expenses by the Field Museum in bringing Sue to Expo).

Ideas were discussed for the \$5702.23 grant received from the David B. Jones Foundation: educational programs for students at Expo; scholarships for the University of Iowa, where we hold monthly meetings; financial support for exhibits from the Field Museum at Expo. No decisions were made and discussions will continue.

Digest contributors will be asked to allow their articles to be posted on our web site, and David Board will be given complimentary membership for his services in maintaining the web page.

**ROLAND KIRSTEN DIES**

Word has reached us that long time MAPS member Roland Kirsten, Ulm, Germany, lost his battle with cancer in the spring. He and his wife, Carin, were regular attendees of Expo. Our deepest sympathy to Carin and the rest of his family.

**GLENN CROSSMAN PASSES AWAY**

by John Boland

The sorrowful news is that we lost a good friend on September 8. Glenn Crossman fell and broke his hip on Thursday and was sent from the nursing home to the hospital. They wanted to operate that evening but an emergency delayed the operation to Friday but his breathing problem got worse. Some heart failure was indicated.

He had a friend and his wife and the Chaplin at his side when he passed on. He was cremated and his ashes will be distributed on the land he left to the Conservancy with a Masonic service. The date will be announced.

*Our sincere sympathy to his family.*

**MAPS RECEIVES GRANT FROM DAVID B. JONES FOUNDATION**

*Shortly after Expo, the following letter with a check from The David B. Jones Foundation arrived in the mail, announcing that MAPS had received an unsolicited grant from the Foundation. MAPS board is now discussing funding possible projects that are in keeping with the Foundation's purposes. We are open to suggestions from the membership.*

Dear Ms. Sonnleitner,

It is my pleasure to inform you The David B. Jones Foundation has awarded your organization a grant of \$5702.23.

The David B. Jones Foundation's purposes "are to support research in paleontology, to encourage writing and publication of articles relating to paleontology, and to support educational programs and training of young amateur fossil hunters."

The funds may be used by your organization for anything consistent with the Foundation's purposes.

Sincerely, Jeffrey Malone, Treasurer

**991/09 DUES ARE DUE**

Are your dues due? You can tell by checking your mailing label. It reflects dues received by September 25. The top line gives the expiration date in the form of "99year" followed by month--991/09 means 2001/September. 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 and stamping your Digest. We carry overdues for two issues before dropping them from our mailing list.

Please include on your check your due date and name exactly as it appears on your mailing label - or include a label.

Dues are \$20 per U.S./Canadian household per year. Overseas members may choose the \$20 fee to receive the Digest by surface mail or a \$30 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 check payable to MAPS and mail to:**  
**Sharon Sonnleitner, Treas.**  
**4800 Sunset Dr. SW**  
**Cedar Rapids, IA 52404**

**FOSSILS ON FEDERAL AND INDIAN LANDS—PART VI**

**Report of the Secretary of the Interior, May 2000**

<http://www.doi.gov/fossil/fossilreport.htm>

*This report of will run in several installments*

**Principle 7: Federal Fossil Management Should Emphasize Opportunities for Public Involvement**

None of the principles discussed above can be implemented without the endorsement and support of the American people. Agencies, no matter how much they wish to, cannot do the whole job of caring for this part of Americas heritage. All the consulting agencies currently foster the involvement of the general public - amateurs, volunteers and students - in a variety of opportunities in paleontology on federal lands, depending on that involvement to foster a sense of ownership so that each citizen can become a steward of the past. More opportunities should be identified by consulting agencies with this goal in mind. For some agencies, amateur and volunteer opportunities might include training, assisting an agency with fossil inventory for land use planning and resource management, or working alongside professional paleontologists as they do inventories, survey and collection of fossils for research and scientific projects, exhibitions and protection and preservation. Continued recreational collecting of plants and common invertebrates on BLM-administered lands provides the kind of hands-on involvement that builds powerful attachments to the land and the resource. NPS lands offer visitors an equally valuable experience - resource education tempered by a resource protection message.

An excellent example of a partnership between government and the public is the Dinosaur Depot in Cañon City, CO, the museum of the Garden Park Paleontological Society (GPPS.) The GPPS originated as a local volunteer interpretive group that conducted tours of the Garden Park Fossil Area, one of the earliest collecting sites of the dinosaur hunters of the late 1800's. The GPPS also helps

the BLM with management and protection of the paleontological sites in the area. The museum is a result of local residents wanting to keep specimens collected from the Fossil Area in the community, and wanting to provide educational and recreational opportunities for the residents and tourists to enjoy. The museum now has a scientific collecting permit, a professional curator, and repository status with the BLM. Their amateur volunteers are certified to collect, prepare and maintain the collections, and the volunteers in turn teach BLM staff how to foster similar groups in other areas.

Information from fossils is also available in databases and in interpretive displays such as those in NPS units, BLM-administered lands and FS special sites. The public may participate in paleontological investigations through the FS Passport in Time projects, as NPS Volunteers in Parks and as other federal land agency volunteers. The public may also participate in activities on federal lands sponsored in partnership with other organizations. The USGS National Paleontological Database is currently under construction.

Failure to involve the public in the preservation of its heritage will certainly result in the loss of rare, beautiful and significant resources, either through misuse or neglect. People who are well informed about what is at stake, and about their role in ensuring that their children will enjoy Americas fossil heritage, can be counted on to protect this legacy.

*Recommendation: Future actions should include an emphasis on public education and participation in the stewardship of fossil resources. Future program approaches should emphasize the use of technology to increase public education and awareness of the importance and benefit of fossil resources.*

**GLOSSARY**

The consulting agencies agree that the definitions below represent broadly the meaning of these terms for purposes of this report. Slightly different definitions may appear in the policy documents of each agency.

<i>Allosaurus:</i>	Meaning "different lizard," was a large carnivorous dinosaur from the Late Jurassic Period, about 145 million years ago. It lived in what is now the western United States. It was about 34 feet (10.5 m) long and weighed about 3100 pounds (1400 kg). The type species is <i>A. fragilis</i> .
Conodonts:	Teeth of very early fish-like creatures that lived about 515 million years to 210 million years ago.
Crinoids:	A large class of echinoderms usually having a somewhat cup-shaped body with five or more feathery arms.
Curation:	The management, preservation and use of museum objects/specimens, which includes acquisition and disposal, documentation and cataloging, preventive conservation, storage, access, interpretation and exhibition, and research and publication.
<i>Deinonychus:</i>	A carnivorous dinosaur from the Cretaceous Period, about 100 million years ago. This small, intelligent biped was about 10 feet (3m) long, weighed up to 175 pounds (80 kg) and had a 5 inch (13 cm) long, sickle-shaped claw on each hind foot. Several skeletons have been found in Montana, Utah and Wyoming. It was named by paleontologist J. Ostrom in 1969. The type species is <i>D. artirrhopus</i>
Eocene:	Relating to, or being an epoch of the Tertiary Period between the Paleocene and the Oligocene or the corresponding system of rocks. About 55 to 35 million years before the present.
Fossils:	Fossils are the remains, traces or imprints of organisms preserved in the earth's crust. Fossils have been found on every continent on Earth.

Invertebrates:	Animals lacking a backbone or spinal column.
Multicellular:	Having many cells.
Mission-specific:	Specifically related to the mission and goals of an agency.
Non-renewable:	Not capable of being replaced or replenished.
Organisms:	Living things.
Paleontology:	A science dealing with the life of past geological periods as known from fossil remains.
<i>Pentaceratops</i> :	Meaning "five-horned face," this was a large ceratopsian dinosaur from the Late Cretaceous Period, about 75-65 million years ago. This plant-eater had a very large, bony, scalloped head frill, a snout horn, 2 larger, forward facing horns above its eyes, and 2 pointed, horn-like cheek bones. Its enormous skull was up to 9.8 feet (3 m) long. Pentaceratops was up to 28 feet (8 m) long. Fossils have been found in New Mexico. It was named by paleontologist Henry F. Osborn in 1923.
Recreation:	Use of leisure time to freely engage in activities in a variety of settings which provide personal satisfaction and enjoyment and contribute to the "renewal" and "refreshment" of one's body, mind and spirit.
Recreational Collecting:	Collecting and retaining fossils as a recreational activity on BLM-administered lands. See above.
<i>Stegosaurus</i> :	Or "roof lizard," was a plant-eating ornithischian dinosaur that had armored plates along its back and spines on the tail. It lived during the Late Jurassic Period, about 145 million years ago.
Vertebrates:	Animals with a backbone or spinal column. Dinosaurs were vertebrates. People are also vertebrates.

**APPENDIX A. SUMMARY OF MANAGEMENT BY AGENCIES**

**Bureau of Land Management**

The Bureau of Land Management (BLM) is charged with retaining the public lands in Federal ownership, planning for their future use through systematic inventory, protecting the quality of scientific and other values, and managing lands for multiple use and sustained yield. In carrying out this mission, the BLM manages fossil resources for their scientific, educational and recreational values in collaboration with museums and other groups. The great majority of the fossil record - invertebrates, plants and petrified wood - is available for the enjoyment of hobbyists, school groups and the general public. A permit is required for the collection of scientifically important fossils such as vertebrates, and such specimens and data must be placed in repositories where they remain the property of all Americans. The BLM supports the development of exhibits featuring federally associated collections, and the display of exhibit-quality specimens in local museums.

Because the BLM administers some 264 million acres of federally-owned surface, detailed inventories to locate fossils are impractical except on a case by case basis. However, as part of the National Environmental Policy Act (NEPA) process, the BLM considers the impact to fossil resources when evaluating surface-disturbing projects such as pipelines or roads, and in the development of realty exchanges. The BLM maintains a professional staff of paleontologists who work with those from other land managing agencies to develop and provide training and to coordinate other interagency functions. Law enforcement officers in critical areas are available to work with paleontologists in preventing damage and loss of this resource.

**Bureau of Reclamation**

The mission of the Bureau of Reclamation (BOR) is to manage, develop and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Through leadership and the use of technical expertise, efficient operations, responsive customer service and the creativity of people, the BOR seeks to protect and preserve natural resources. Fossils are among these natural resources, and the BOR protects them through a permit process. The Bureau of Reclamation has no law enforcement authority at this time, but has drafted and submitted legislative language to establish limited law enforcement capabilities. On BOR-administered lands, a permit is required to collect any kind of fossils.

**Fish and Wildlife Service**

The mission of the U.S. Fish and Wildlife Service (FWS) is working with others, to conserve, protect and enhance fish, wildlife and plants and their habitats for the continuing benefit of the American people. As part of this mission, the FWS manages an extensive network of lands that are administered as part of the National Wildlife Refuge System.

In addition to sustaining important wildlife and their habitat, national wildlife refuges protect other important resources such as fossils. Fossils are protected under regulations published in 50 CFR Parts 26 and 27, which require that a permit be issued by the FWS to search for and collect fossils on refuges. Permits are issued to reputable scientific and educational institutions that can demonstrate sound research objectives and ensure the long-term care of Federal collections for study and public appreciation.

**Forest Service**

The USDA Forest Service (FS) is dedicated to caring for the land and serving the people, and to protecting and managing the paleontological (fossil) resources that are important to our natural resource inheritance. The FS will meet its Natural Resource Agenda by providing leadership, technical assistance and support for all forests in the protection and management of our paleontological resources. The FS recognizes multiple-use values for paleontological resources that include a legacy for present and future generations; scientific significance, education and interpretation; recognition of aesthetic qualities; and public participation.

The FS will continue to enhance its resource protection mandates for the protection and preservation of its fossil resources; will continue to foster partnerships and collaborations with other land managing agencies, and educational and scientific institutions; and provide opportunities for public participation and enjoyment of its natural heritage.

**National Park Service**

As required by its Organic Act, 16 U.S.C. §§ 1 et seq., the NPS strives to conserve paleontological resources in park units and provide for their enjoyment so that they are unimpaired for the enjoyment of future generations. The current *NPS Management Policies* establish the following mandates for NPS paleontological resource management:

"Paleontological resources, including both organic and mineralized remains in body or trace form, will be protected, preserved and developed for public enjoyment, interpretation and scientific research in accordance with park management objectives and approved resource management plans.

Paleontological research by the academic community will be encouraged and facilitated under the terms of a research permit when it meets all of the following criteria:

- The project cannot be conducted outside the park and involves more than simple collection of additional specimens of types already collected.
- The project will answer an important question about the resource.
- Information obtained through the research will be made available to the park. Management actions will be taken to prevent illegal collecting and may be taken to prevent damage from natural processes such as erosion. Protection may include construction of shelters over specimens for interpretation in the field, or collection, preparation and placement of specimens in museum collections. The localities and geologic settings of specimens will be adequately documented when specimens are collected."

The *NPS Management Policies*, including those governing paleontological resource management, are currently under revision.

**The Smithsonian Institution**

The Smithsonian Institution is a trust instrumentality of the United States. Within the context of the Smithsonian's mandate "to increase and diffuse knowledge among men," extant since 1846, and the charge of the National Museum of Natural History (NMNH) for research, collection and exhibition of natural history objects, is its traditional stewardship of what are considered "national treasures." This stewardship is intended to ensure the protection and conservation of fossil evidence of past forms of life, and to make this evidence available for scientific studies, both now and in the future. The Department of Paleobiology is charged with being the national repository for one of the worlds largest fossil inventories of more than 40 million lots of fossils representing 480 separate collections. More than 50% of its present collections are from federal lands. According to 20 U.S.C. § 59, "All collections of rocks, minerals, soils, fossils and objects of natural history, archaeology and ethnology, made by the National Ocean Survey, the United States Geological Survey, or by any other parties for the Government of the United States, when no longer needed for investigations in progress shall be deposited in the National Museum."

The identification of a fossil as a national treasure requires paleontological expertise, which is represented among the various specialties on the staff of the Department of Paleobiology, NMNH. In addition to recognition of the scientific importance of new fossil finds, this expertise also includes knowledge of their care and maintenance, a responsibility to the public, the scientific and educational community, and a respect for the future needs of particular fossils (type specimens) as unique standards of reference. A main purpose for research in the NMNH is to understand the context of the collections under its care. It is also to inform the public of their importance by publications, exhibition and various means of education. In scope, whereas the NMNH occupies a place near the center of pride in the monumental city of Washington, D.C., its role as a "national museum" reaches out to share its treasures as much as possible to those parts of the country from which they come.

**The U.S. Geological Survey**

The USGS is a world leader in the natural sciences through its scientific excellence and responsiveness to society's needs. The agency serves the Nation by providing reliable scientific information to describe and understand the Earth, minimize loss of life and property from natural disasters, manage water, biological, energy and mineral resources, and enhance and protect our quality of life.

The USGS employs more than 50 research paleontologists dedicated to applying paleontological methods and support to meeting our Nation's needs. A small, but important, part of that effort is supplying paleontological expertise in land-management decisions and developing and delivering the National Paleontologic Data Base, an Internet data base management system of paleontological resources.

## PALEONTOLOGY SITES ON THE WORLDWIDE WEB

from *The Fossil Record*. Mark McKinzie, ed. 9/01

Have you ever wondered where you could find a FREE online bibliography search engine for vertebrate fossils? Well, wonder no more! Here is a site established by the Society of Vertebrate Paleontology (SVP) that has SQL search capabilities by taxon ('Archelon') or date (>'1920') or author ('Finsley') and other criteria. Just follow the instructions on how to build your query and print out the tabulated results. The hard part is going to the library and actually finding the articles of interest. This site can be accessed at the following address:  
<http://eteweb.lscf.ucsb.edu/bfv/bibvols.html>.

### The Bibliography

"The Bibliography of Fossil Vertebrates aimed to index the world literature of vertebrate paleontology. Although no compilation can ever be complete, the BFV attempted to include every published scientific work that mentioned vertebrate fossils. In addition, it included works that dealt with closely related subjects such as evolutionary theory, geology, and the history of science, where relevant. Articles from newspapers and popular magazines were not included; nevertheless, the total number of references to books and published articles is in the neighborhood of **150,000**. All of these volumes are generally considered part of the Bibliography of Fossil Vertebrates series, which thus includes an unbroken record of the entire published literature on vertebrate fossils, starting at the year **1509**. All of these volumes are included in the BFV Online database. The editorial staff has always comprised people with professional training and experience in paleontology. The result is that the subject and (especially) taxonomic indexing of the BFV entries is unusually accurate and detailed. The BFV Online began as a demonstration project in 1994. John Damuth put the references from the 1988 volume into a relational database and wrote a search engine that interprets users' queries, formats the references, and returns them either as an email message or as a Web page. Finally, in 1997 the SVP entered into an agreement with the Evolution of Terrestrial Ecosystems Consortium, allowing the Consortium to make freely available the entire contents of the BFV

via the BFV Online. John Damuth, a member of both the SVP and the ETE Consortium, wrote the BFV Online software and maintains it at the ETE site at the University of California at Santa Barbara."

Here is an example of how easy the online bibliography works:

1) At the query line—I typed in the following:  
*taxon = 'Plicatolamna'*

and I received the following results:

5 matches for: taxon='Plicatolamna' (by year published)

Case, Gerard R. 1979. Cretaceous selachians from the Peedee Formation (Late Maestrichtian) of Duplin County, North Carolina. *Brimleyana* 2 p. 77-89.

## PALEONTOLOGY ON THE WORLDWIDE WEB

by Dr. Sam Gon III, c/o the Nature Conservancy of Hawaii  
923 Nuuanu Avenue, Honolulu, HI 96817  
from *The Fossil Record*. Mark McKinzie, ed. 9/01

*Scientific American* has selected my trilobite website, "A Guide to the Orders of Trilobites," as one of its Top 50 Science websites for 2001. They sent me an award banner to paste on my page and indicated that after May 14<sup>th</sup> 2001, the full list of 50 sites will be available at their site. As a long-time *Scientific American* reader, I am tickled to receive recognition from them.

If you haven't already seen the website, you can visit the site at:

<http://www.aloha.net/~smgon/ordersoftrilobites.html>

## JOANNE KLUESSENDORF NAMED DIRECTOR OF NEW WISCONSIN MUSEUM

MAPS member and research associate in the geology department at the University of Illinois, Joanne Kluesendorf has recently been named the director/curator of the new Weis Earth Science Museum on the campus of the University of Wisconsin-Fox Valley in Menasha. The museum will focus on the geology of Wisconsin exclusively. Expected to be completed in March 2002, the museum will feature a walk-through geologic time in Wisconsin, from the Precambrian Era to the Pleistocene Era, and will demonstrate the impact of the Ice Age on the Fox Valley. Other unique features will include Silurian reefs. For more information about the museum, visit the university's web site at [www.fox.uwc.edu/wesm](http://www.fox.uwc.edu/wesm).

**JOE POHL MAKES THE NEWS**

source: *Ozaukee (WI) Press*, 6/7/01  
sent by Don Mikulic and John Stade

Joe Pohl, A MAPS member from Belgium, Wisconsin, and his son Jim made headlines recently. Both are avid fossil hunters who have made significant contributions to the science of paleontology. Joe, a 70-year-old farmer, has discovered three 280-million-year-old fossils which bear his name: *Palecadmus pohli*, a nautilus cephalopod; *Dasyothus pohli*, a flightless insect; and *Gondolella pohli*, a conodont that was discussed in a paper presented by paleontologists Peter von Bitter (University of Toronto) and Glen Merrill (University of Houston) at the Geological Society of America's April meeting. Since only eight whole speci-mens of the conodont have been found—all in England—Joe's discovery of several hundred pieces is quite signifi-cant. He has contributed specimens to several institutions, including Chicago's Field Museum, Harvard University, and the Universities of Toronto, Houston, Illinois, and Greenwich (Pembroke, England).

Although Jim has made fewer discoveries than his dad, his finds are considered more important. His name has been attached to a small shark (*Jimpohlia erinacea*) and an early octopus (*Pohlsepia mazonensis*), which was thought to have evolved in the Jurassic period until Jim found its remains in the Pennsylvanian rocks of Mazon Creek. Paleontologists Joanne Kluessendorf (University of Illinois) and Peter Doyle (University of Greenwich) completed a paper on the octopus last year.

From the early 1970s to the 1990s, Joe and his five children hunted in Mazon Creek Pit 11. When the area became overgrown with brush, Joe switched to the Spoon River and Court Creek near Galesburg, Illinois. He collects several pounds of shale from beneath the water and carries it back up a steep 50-foot riverbank in the hopes of finding something significant. He passes the winter carefully shaving off layers of the shale looking for fossils. When he spots something promising, he checks it further with his microscope.

In the early days, Joe took his finds to Eugene Richardson at the Field Museum for identification. Now he works mostly with Kluessendorf and von Bitter, who consider him a professional amateur because he knows what he's doing. Jim, who is a technical engineer living in Minnesota, now does most of his collecting when he visits his father. None of Joe's other children has continued to pursue the hobby.

**ADVERTISING SECTION**

Ads are \$5.00 per inch. Send information and checks payable to MAPS to : Mrs. Gerry Norris, 2623 34<sup>th</sup> 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 15<sup>th</sup> of the month. We do not bill. Ads do not run in the EXPO issue (April). Ads can be printed in different sizes of type to fit a 1" space.

**2002 CENTRAL ILLINOIS FOSSIL SHOW MY-J TOMAR 02**  
Macomb Inn (Days Inn)  
1400 N. LaFayette, Macomb, Illinois

HOURS: Wed., April 10 . . . . . 10:00 p.m. until late evening  
Thurs., April 11 . . . . . 9:00 a.m. until late evening  
Fri. & Sat., April 12-13 . . . . . By appointment during MAPS show times & evenings

The intent of this show is to enhance MAPS Expo and to allow dealers who need it more selling space.  
For show info, contact: **Dan Damrow 715-457-6634**  
**Chuck Warren 517-439-5632**

To reserve a selling room contact Macomb Inn at: 309-833-5511 (Tiffany)

**BRAND NEW WEB SITE F,M,M-J,J-S,O**

One of the largest Fossil Sites on the Net.  
Fossils of all Varieties  
Old Paleontology Books, Antique Bottles, Indian Artifacts, and Minerals

Go to:  
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*Neuropteris heterophylla*  
Carboniferous, Piesberg, Germany (21" x 15")

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**TO CLEAN FERN FOSSILS**

from *Dinny's Doin's*, 4/01, Sharon Otilage, ed.

To clean fern fossils, do not use wax, shellac, varnish, lacquer or spray plastic. These items cannot be readily removed and destroy forever the fine surface detail. Museums use yellow dextrin. Mix a tiny bit of the dextrin with water to the color of tea and paint on the fern itself, not on the matrix. Get yellow dextrin, not white.

**PLEASE ADD THE FOLLOWING NEW OR REJOINING MEMBERS  
TO YOUR DIRECTORY:**

Mary T. Ahern  
2844 Timberline  
Dubuque IA 52001-0908  
563-382-9308

Enjoys collecting fossils. Wants info and to meet people.

Blair Batty  
Box 740, 375 2nd Ave W  
Simcoe Ont  
CANADA N3Y 4T2  
519-428-2448  
bbatty@nseaa.com

Organ builder. Will trade. Major interest Devonian invertebrates. Has same for trade.

Alf Cawthorn  
1 Gretton Road, Cardington  
Church Stretton  
Shropshire SY6 7HS  
ENGLAND  
44 1694 771309  
cruziana1@aol.com

Professional fossil preparator. Major interest trilobites and other arthropods. Will trade. Has for trade many fine complete British Ordovician, Silurian, and some Cambrian trilobites, often rare. Wants contact with other collectors, trade, and has a hunger to be "where it's at."

David Clark  
711 Western Ave  
Watervleit MI 49098  
616-463-5295  
clarkd11@pilot.msu.edu

Process/Development Engineer. Major interest trilobites & vertebrates. Will trade. Has for grade Sylvania, OH, brachiopods and trilobite partials. Wants to make contacts, keep updated on news, find new fossil sites, attend MAPS Expo.

Sam Leming  
4721 Dancer Dr  
Indianapolis IN 46237  
317-784-7053  
samleming@prodigy.com

Retired. Will not trade. Major interest vertebrate paleontology.

Michael R. Powelka  
8445 Big Woods Road  
Janesville IA 50647  
319-987-3008  
fx 319-987-2478  
powelka@aol.com

Landscape Nursery. Will trade. Major interest trilobites & fish. Has for trade brachs & corals. Major interest in rock hunting is the seeking out, removal, cleaning and display of fossils to show and educate our future adults.

Zach Sanford  
1105 Magnolia Circle  
Papillion NE 68046-6218  
412-614-8402  
sanford@huntel.net

Student ('01).

Dave Treffinger  
RR2 Box 60  
Loogoofee IN 47553  
812-295-3463

Retired.

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

William Baker  
150 E Thompson Dr  
Wheaton IL 60187-7432

Accountant. Major interest Mazon Creek, trilobites, cephalopods. Wants to learn more about fossils. Is a beginner (93).

Neil & Sunny Hoffman  
8807 Patricia Court  
College Park MD 20740  
301-935-5056  
SharkT@aol.com

Elementary School Teacher. Will sell, trade or buy. Have for trade or sale: shark teeth, Maryland fossils, Abertella aberti (sand dollars), Canadian brachiopods, and horn corals, whale teeth and vertebrae. Member of American Fossil Federation, M.G.S., Aurora Fossil Club, N.C. Fossil Club. Want to learn new sites, travel, trade with members. Always need fossils for collections for school children.

Ewin Knezevich  
2620 Dennis Drive  
Alton IL 62002-5705

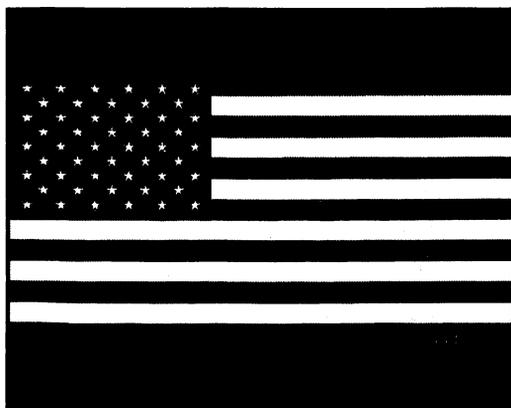
Retired. Member of Eastern Mo. Paleo Soc.

Geoff Thomas  
P.O. Box 70  
Adamstown. NSW 2289  
AUSTRALIA  
1.49527111  
fossilgt@austrometra.com.au

Semi-retired. Will trade. Major interest all fossils, esp. trilobites, echinoids, crinoid calyxes & fish.

James Thomas  
303 S Ann Arbor St.  
Saline MI 48176  
734-429-8534  
Jamest64  
@hotmail.com

High school science teacher. Interested in collecting and finding places to collect. Major interest dinosaurs and crinoids. Worked for several days at the Yellow Cat Quarry 1995 and interested in going on digs in the future. Would like to meet members in the local area to share information and fossils.



*In Memory of Those Who Died in the September 11 Attack*

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: \$20.00 per household covers one year's issues of DIGESTS. For new members and those who renew more than 3 issues past their due date, the year begins with the first available issue. Institution or Library fee is \$25.00. Overseas fee is \$20.00 with Surface Mailing of DIGESTS OR \$30.00 with Air Mailing of DIGESTS. (Payments other than those stated will be pro-rated over the 9 yearly issues.)

MAPS meetings are held on the 2nd Saturday of October, November, January, and March and at EXPO in April. A picnic is held during the summer. October through March meetings are scheduled for 1 p.m. in Trowbridge Hall, University of Iowa, Iowa City, Iowa. One annual International Fossil Exposition is held in April.

The MAPS official publication, MAPS DIGEST, is published 9 months of the year—October through April, May/June, and July/August/September. View MAPS web page at <http://midamericapaleo.tripod.com/>

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MAPS EXP.....991/12  
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Mrs. Sharon Sonnleitner  
 MAPS DIGEST Editor  
 4800 Sunset Dr. SW  
 Cedar Rapids, IA 52404

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