

M.A.P.S. *Digest*

Official Publication of
Mid-America Paleontology Society

Volume 24, No 5
May-June 2001



MARK YOUR CALENDARS

Jul 22 MAPS PICNIC MEETING AND FIELD TRIP

9:00-1:30 Field trip to Conklin Quarry, Coralville, IA

Meet at the quarry gate at 8:45 a.m.; Potluck and Meeting at Sonnleitners following hunt, 4800 Sunset Dr. SW, Cedar Rapids; 319-396-4016; sonnbn@aol.com. Bill Sonnleitner will pick up perishable potluck dishes and spouses, etc., who don't want to hunt and take them to our house. Also, Coral Ridge Mall is nearby at exit #240
Directions to Quarry: I-80 to Iowa City/Coralville area. Exit at #242 (1st Avenue, Coralville). Turn north on 1st Avenue. The entrance to the quarry is just north of I-80, on the right side of the road as you are going north, across from Hampton Inn.

This is a LOCK-IN QUARRY: once we enter, we have to lock the gate behind us, and no one can enter or leave until the exit time. (If enough people want to leave early, a group can go out at about 11:30.)

This is a hard rock quarry. Wear hard hats and other appropriate apparel--steel toed shoes are recommended. Bring mauls, chisels, saws, rock hammers, spray bottles, etc., for working the hard limestone. Also bring water. There is a port-a-john in the quarry.

Fossils to be found include lots of corals, brachs and bryozoans, some trilobites and crinoids, and occasional gastropods and blastoids.

Oct 20-21 BLACKHAWK GEM AND MINERAL CLUB SHOW, Includes Dr. William Hammer, Augustana College, with Dinosaurs on Ice

IBEW Training Center, 1700 52nd Ave., Moline IL
Sat. 10-6; Sun. 10-4

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

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.

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 4 1 DAY TOUR - FOSSIL COLLECTING IN THE ROCKFORD AREA. 7:00 a.m. to 3:30 p.m. Lizzadro Museum, 220 Cottage Hill, Elmhurst, IL 60126. 630-833-1616

Travel by motorcoach to quarry collect Ordovician fossils including mollusks, cephalopods, gastropods, bivalves and trilobites. Travel to the Burpee Museum in Rockford and meet with paleontologist Mike Henderson to discuss your finds. Includes guided tour of the museum.
Ages 9 and up. \$35/nonmember; \$30/member

Aug 14 & Sep 8 FOSSIL IDENTIFICATION DAYS. Paleo Research Inst. (PRI), 1259 Trumansburg Rd., Route 96, Ithaca, NY 14850. 607-273-6623. www.priweb.org

Take your fossils in for identification by PRI staff.

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.

Sep 22-23 THE FALLS OF THE OHIO FALL FOSSIL FESTIVAL
web site can be reached from <http://www.falloftheohio.org>

Sat., Sep. 22 9 am - 7pm

Sun., Sep. 23 10 am - 5 pm

For more information contact Alan Goldstein, Falls of the Ohio State Park, P.O. Box 1327, Jeffersonville, IN 471341-1327
(812) 280-9970 ext. 403.

ABOUT THE COVER

This month's cover photo is the cast of Sue, the T-rex, from Chicago's Field Museum, which was the star of this year's MAPS Expo. Much publicity was generated for the show from this exhibit. It was covered in both print and broadcast media on both Friday and Saturday nights. Thanks to Wendy Taylor and crew from the Field Museum for making the exhibit possible. And thanks to Bill Simpson for presenting a program on Sue.

991/06 DUES ARE DUE

Are your dues due? You can tell by checking your mailing label. It reflects dues received by June 30. The top line gives the expiration date in the form of "99year" followed by month--991/06 means 2001/June. 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

PROCEEDINGS OF THE SOCIETY

May 31 General Meeting at Expo

Karl Stuekerjuergen and Marvin Houg thanked everyone who helped with Expo. Wendy Taylor, who arranged for the display of the cast of the T-rex Sue, thanked her staff from the Field Museum for their assistance. Additional thanks were extended to David Board for his work on the MAPS web page and to Glen Kuban for making and posting the Expo signs.

EXPO: Maggie Kahrs asked to be relieved as editor of the Expo edition of the *Digest*. Charlie Oldham agreed to take over and will pursue the theme of "Tracks, Trails, and Traces" for next year's Expo. Marc Behrendt will take over table reservations.

The 2003 Expo will be held either the 1st or 2nd weekend in April, to be confirmed by Western Illinois University. (It has since been confirmed for the last weekend in March because of University conflicts with all the April weekends.)

EUGENE RICHARDSON AWARD: MAPS' Richardson Award was presented in absentia to Frank Perry, curator of the Santa Cruz Natural Museum of History. This is the second time MAPS has recognized a professional who has greatly assisted amateurs in their pursuit of the study of fossils.

SHARON POWELL PASSES AWAY

Maggie Kahrs called to inform us that Sharon Powell lost her battle with ovarian cancer on June 28. She was a long time member of MAPS, who attended Expo for many years, before moving to New Mexico a couple years ago.

Our sincere condolences to her family and longtime roommate and fellow MAPS member, Kathleen Morner.

MAPS EXPO

This year's Expo was a bit different from the usual gathering. The Field Museum's exhibit of a cast of Sue generated a great deal of public interest, and publicity sent by Western Illinois' Dr. Jack Bailey brought out buses of school children. Dealers quickly adjusted to the influx of children by offering grab bags or other low-priced items only for children. TV stations and newspaper reporters showed up for pictures and interviews and carried big news reports about the show.

Friday night, the Paleo Research Institute presented its Catherine Palmer award to amateur Joe Kchodel, known as Paleo Joe, in recognition of the contributions he has made to paleontology. Then Karl Stuekerjuergen presented the MAPS President's Award to Western Illinois University's Jack Bailey in recognition of his support of MAPS Expo over the years. Following the awards presentations, University of Iowa Professor John Adrain gave a lively program on "Hot Deserts, Cold Deserts, and Black Bugs - the Field-Based Science of Trilobites."

Saturday afternoon the Field Museum's Bill Simpson delivered a program on "Sue." The evening events were a short business meeting, followed by the usual entertaining live auction. Some of the top bid-getters were amber (\$50), an echinoid (\$55), Florida shells in a case and a 3-crinoid plate (both \$70), 3 trilobites (\$75), mastodon tooth (\$105), fish (\$125), and microfossils (\$231). Total proceeds from the live and silent actions and donations to the fund were \$3,480, which is just slightly more than our previous record set in 1999. Proceeds will go to the Paleontological Society Scholarship fund and the Paleontological Research Institution, both of which are worthy recipients. ward scholarships for the Paleontology.

Be sure to save the dates for next year's show!

WANT TO DIG FOR A DINO?

by Ron Buckley

from Paleo Newsletter, 3/01, Jean Wallace, ed.

Paleo-World will be opening its dinosaur dig near Jordan Montana on May 17th and will be having a professional dinosaur excavation until September 14th.

The cost is very minimal and will run less than the equivalent of a motel per day, and the cost of the meals is figured in with it. You can also bring your children if you like, and showers will be available. What a fantastic time

can be had by all.

You can see a few pictures of the "Hell Creek Ranch" dig along with a gigantic fossil impression of dinosaur skin they found at their site by going to the dinosaur expedition section of the website at <http://home.fuse.net/paleopark>, or contact Chris directly at cmorrow@paleo-world.com. This will be the experience of a lifetime.

FOSSILS ON FEDERAL AND INDIAN LANDS—PART V

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 5: Effective Stewardship Requires Accurate Information**

Without a clear understanding of the paleontological resources on federal lands, agencies cannot effectively manage and protect these resources for the benefit of the American people. The consulting agencies use a variety of methods for locating and evaluating areas where fossils occur, based on their mandates, the acreage involved and their ability to use staff, technology and partners in the effort. Much of the initial work can be done by using new technology to search on-line databases and create computer models that integrate satellite images, vegetation and soil maps, and other spatial data in Geographic Information Systems (GIS). However, in many areas, on-the-ground inventories ("ground truthing") must then be done to provide detailed information.

Information from the above efforts enables land managers to identify areas of scientific significance, assess natural or human-caused impacts, plan cyclic monitoring programs that prevent loss of important specimens to erosion, and evaluate requests for collecting permits. Such baseline information then improves the ability of the agencies to make informed decisions about resource stewardship, lets agencies identify museums and other repositories with collections of fossils from federal lands, and enhances opportunities for public education. More detailed inventories within repositories can also provide information about particular collections of fossils from federal lands. Finally, all these activities produce important new discoveries and opportunities for collaborative management. Amateurs can be important partners in paleontological inventories through participation in the supervised search for, excavation, preparation and curation of fossils from federal lands.

For example, an inventory at Channel Islands National Park revealed a virtually complete pygmy mammoth skeleton in rapidly eroding sea cliffs. A team of scientists and students from Northern Arizona University collected the skeleton and the associated geologic data, and it was prepared and studied at the Mammoth Site, Hot Springs, South Dakota. Intense public interest has prompted a partnership between the NPS and the Santa Barbara Museum to develop an exhibit on the pygmy mammoth. Subsequent surveys found more than 100 additional mammoth sites on the Channel Islands, documenting the progressive dwarfing of the island mammoths prior to their extinction.

The NPS has tested some of its inventory methods in Yellowstone National Park, resulting in publications, maps and increased staff awareness of paleontological resources.

The increased staff awareness led to a fourfold increase in reports of paleontological resource theft or vandalism and to the identification of a number of new fossil sites.

Some cost-effective strategies for inventory and monitoring efforts would best be achieved by establishing inter-agency and federal/non-federal partnerships. One current trend in paleontology is to assemble teams of experts from universities, museums and government agencies and then focus the teams energy on understanding a whole ancient ecosystem. A recent team study examined a 140-million-year-old ecosystem that stretched from Arizona to Montana, yielding new discoveries about dinosaurs and other animals, plants, climate and landscape. That work led to profound new interpretations that are being assembled into interpretive products for the public at visitor facilities in national parks, forests and BLM areas, and on the Internet. Such integrated approaches to inventorying paleontological resources are the most powerful means of enhancing our understanding of the history of life on earth and demonstrating the importance of protecting paleontological sites.

The limited paleontological inventories on federal lands accomplished to date have yielded exciting discoveries. Further inventories are likely to provide new evidence about the history of life. However, despite the availability of new technological approaches, inventory efforts for fossil resources in all the agencies are not conducted at the same level as the inventory of other resources.

***Recommendation:** Future actions should acknowledge the need for gathering and analyzing information about where fossils occur, in particular the critical role of inventory in the effective management of fossil resources. Increased emphasis on fossil inventory should take into consideration, where possible, regional approaches across agency lines, using modern technology such as GIS. Such work could also address specific issues, such as the impact of erosion on the loss of resources.*

Principle 6: Federal Fossil Collections Should be Preserved and Available for Research and Public Education

To maximize the availability of fossils for scientific study and for the public, fossils collected under a permit from federal lands must remain in public ownership where they can be accounted for and made available for repeated research and educational projects. Paleontologists cannot "experiment" with their subjects in the way that chemists or physicists can, so instead they must observe, describe and analyze what they see. Often, these observations are carried out repeatedly as the science advances, so the need for long-term care of fossils, whether in storage or on exhibit,

is critical. For example, unlike 20 years ago, scientists now CAT-scan fossils. The long-term presence of fossils in exhibits and displays may be critical as well, especially to children who enjoy a story over and over, admiring its permanence in their lives and learning new things each time they revisit it.

Fossils and data together form the fabric of paleontology. But like a complex tapestry of fragile threads, the fabric cannot be re-woven once it has been separated. The sediments at a fossil locality cannot be put back in context once they have been dug into and moved. Trained permittees begin the process of collecting fossils and data in context, and it is the work of museums and other repositories to maintain that context. The Department of the

Interior has established standards for its own repositories and for other institutions that house its collections and data.

Some commenters were concerned about excessive handling of specimens by the public; others felt that specimens are locked up in museum basements and inaccessible to all except an elite few. Both these views need to be addressed by agencies that serve the public. Agencies must develop and disseminate information about what fossils are in the public trust and how people can feel a sense of ownership. At the same time, agencies try to ensure that these fossils are professionally preserved and managed.

Many of the comments received from museums and universities detailed the thousands or millions of visitors who see their exhibits every year, the thousands of specimens collected under permits issued by the consulting agencies, and the hundreds of students who use specimens from federal lands in their studies. Both Americans and foreign visitors go to these settings, and millions more visit national parks, monuments, BLM-administered lands and National Forest System lands, to experience fossils more directly.

Despite the balancing act required for effective preservation and access, it is clear from the comments received that the public believes that scientifically important fossils are a part of their heritage. In the words of one commenter, "Why should my daughter care about the United States when it has become nothing but a commercial ['fossil collectors'] center for profit? What kind of interest in science will her children have if the tools and subjects of scientific study are locked away in someone's private collection?"

Agencies work with a wide range of repositories to house these collections, including federal repositories, large research institutions and small community-based institutions. This approach allows agencies to meet the needs both of researchers and the general public. The long-standing partnership between museums and federal agencies for the curation of scientifically valuable fossil resources works well. However, the steady increases in collections and demand for more effective access by researchers and the public strain the financial resources of

the federal government and the museum community. The use of modern technology could effectively address some of these concerns, but requires shared use of the tools in order to develop the most effective approaches. The consulting agencies, with specific input from the Smithsonian Institution, believe that four steps could be taken to enhance the value of existing museum fossil collections. The steps are as follows:

- complete the capture of information in digital format for existing collections, including those that are uncataloged;
- make full information from databases of specimen information available online over the Internet to qualified researchers and land managers;
- make general information about the collections available to the public via the Internet; and
- capture digital images of specimens and link these images to specimen databases so that both researchers and interested amateurs can view their fossils over the Internet.

The following benefits could result from posting collections information and images online:

- Museum collections could become a tremendous educational resource for teachers at all levels across the entire country. For example, a teacher in Wyoming could use the Internet in his/her classroom to query a database of the Smithsonian Institution in Washington, D.C., about fossils collected in a Wyoming county, and be able to display pictures of those fossils to the class.
- Online images and databases could be a major source of information to amateurs and hobbyists. A collector in Iowa using a digital database and picture could identify a crinoid fossil found in his/her backyard.
- Enhanced online information would also give land managers some of the information they need about the resources under their jurisdiction. They could answer questions such as: what fossils in their area have been collected, which fossils are rare, and who should they turn to for more technical information about a particular fossil occurrence?
- Online databases would improve the efficiency of scientific investigations by allowing scientists to access records from multiple museums, and to view specimens prior to or instead of traveling. The greater efficiency for scientists would result in an increase in the knowledge generated from federal collections.

Recommendation: Future actions should affirm the importance of curating scientifically valuable fossils as federal property, often in partnership with non-federal institutions. Future program approaches should emphasize the use of modern technology to improve curation and access, as well as the sharing of information between and among government agencies and other institutions.

FALLS FOSSIL FESTIVAL 2001

By Alan Goldstein, Interpretive Naturalist, Falls of the Ohio State Park

Members of MAPS are invited to visit the Falls of the Ohio State Park, Clarksville, Indiana for the seventh Falls Fossil Festival on September 22 & 23. Those days are chock-full of activities for fossil enthusiasts. What follows is a description of the diverse program we will offer. Unless otherwise noted, programs are free. The most up-to-date program schedule can be found at the festival web site: <http://www.falloftheohio.org/festival.html>

Exploring the Fossil Beds

For those who like see a lot of fossils, both Saturday and Sunday morning we have hikes on the out fossil beds. Led by experienced guides, you can explore over 100 acres of Devonian sea floor. Bring a camera to "take" fossils – collecting is not permitted. Look for coral colonies five to 30 feet across, giant snails, illusive (but spectacular) trilobites and more. In places, it is easy to imagine you are walking on a coral bed at low tide – only this bed is 387 million years old! Take a three hour hike on the fossil beds or one of four one hour hikes offered on both days.

Educator Workshops

Educators will find the festival to be a gold mine of information and resources. Saturday morning we will have two 90 minute teacher workshops, sponsored by the Indiana and Kentucky Geological Surveys. Jeff Kirby & Steve Greb will explore the extensive web-based resources from their respective agencies.

Knowledgeable Speakers

We rounded up a good variety of speakers for those interested in expanding their understanding of geology. Programs are free, but require an admission fee into the Interpretive Center (over 18-\$4; 18 and under-\$1) which is good for the entire day. This year, the keynote speakers are: Dr. William I. Ausich, an internationally renowned Paleozoic crinoid expert, will be our Saturday keynote speaker, topic: "Crinoid Ecology: Past and Present."

Dr. Guillermo Rougier, part of a noted team studied the earliest mammals, will be on Sunday keynote speaker, topic: "Collecting Fossils in the Gobi Desert."

Other knowledgeable speakers planned for the Festival include:

Saturday:

Larry Osterberger, MAPS member and longtime amateur paleontologist: "Fossil Collecting in Timor, Indonesia."

Dallas Evans, Educator/Curator of Natural Science at the Indianapolis Children's Museum: "Curating Your Own Collection."

Dan Phelps (Kentucky Paleo. Soc.) and Margaret Kahrs (Indiana Soc. for Paleo.): "Common Fossils of Indiana and Kentucky" (repeated on Sunday).

Sunday:

Tom Johnson, a well-known trilobite preparator and owner of "House of Phacops": "Trilobites of the World."

Charles Oldham, long time MAPS member: "Fossil Collecting Tips."

A behind the scenes tour of the Falls of the Ohio State Park interpretive center by Steve Knowles, park property manager. Learn about our park and see things that most visitors don't have the opportunity to observe.

Fossil Identification

Dr. Ausich will be available at our Resource Tent between 3:00 and 4:00 pm on Sept. 22 to identify your unknown crinoids. Members of the Kentucky Paleo. Soc. and Indiana Soc. for Paleo. will be available at the Resource Tent on both days to help you identify your mysterious finds.

Special Exhibit

Inside the Interpretive Center will be "The Garden of the Sea Lily," a temporary exhibit from August 30 until November 26. It will focus on the ecology and diversity of crinoids throughout earth's history.

Resource Tent

A 30' x30' tent is set up to provide resources for Falls Fossil Festival visitors. In addition to the two amateur paleontology organizations already mentioned, the local Kyana Geological Society will be set up. Information and door prizes from the Festival sponsor, the Clarksville Riverfront Foundation, are located here. Brochures from many of the fossil parks in North America can be picked up. Information about the U. S. Geological Survey, the Paleo. Society and other organizations are located here, too.

Children's Activity Area

A second large tent is set up under which activities for children are provided. A detailed schedule of activities will be provided on our web site.

Vendors

Vendors offering fossils, minerals, jewelry, etc., will surround the parking lot. We also have several food vendors and there are many nearby restaurants.

Liter's Quarry of Indiana Fossil Collecting Piles

Each year Liter's Quarry provides 30 tons of fossil-bearing rock for visitors to dig into. One pile contains Silurian Waldron Shale, the other Devonian chert-bearing soil from the North Vernon Formation, with beautiful brachiopods and the occasional clam, snail and Phacops trilobite. A sieve screen and water is available to clean and expose material. The piles are very popular and staffed by Liter's employees.

Collecting Opportunities

Some Festival participants collect before, during or after the Fossil Festival. There are many collecting opportunities for individuals and organizations. Some local quarries permit collecting by groups that have insurance. There are numerous road cuts with Ordovician and Mississippian fossils. Quarries seem to have the best Silurian and Devonian fossils.

ADVERTISING SECTION

Ads are \$5.00 per inch. 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 can be printed in different sizes of type to fit a 1" space.

CENTRAL ILLINOIS FOSSIL SHOW

Macomb Inn (Days Inn)
1400 N. LaFayette, Macomb, Illinois

HOURS: Wed., March 28 10:00 p.m. until late evening
Thurs., March 29 9:00 a.m. until late evening
Fri. & Sat., March 30-31 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: 309-833-551 (Tiffany)

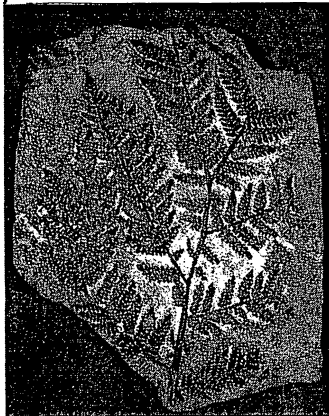
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Neuropteris heterophylla

Carboniferous, Piesberg, Germany (21" x 15")

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SPEAKER SCHEDULE

Saturday, September 22, 2001

All activity areas and vendors are open from 9:00 am - 7:00 pm.

- 9:00 - 11:30 Hike on outer fossil beds, guided by educator and author Kenny Karem
- 9:30 - 10:45 Indiana Geology Workshop, (pre-registration required by contacting Alan Goldstein), Jeff Kirby, Education Specialist, Indiana Geological Survey
- 11:00 - 12:15 Kentucky Geology Workshop, (pre-registration required), Steve Greb or Carol Ruthven, Kentucky Geological Survey
- 1:00 - 1:45 Common Fossils of Indiana and Kentucky, Dan Phelps, Kentucky Paleontological Society and Margaret Kahrs, Indiana Society for Paleontology
- 2:00 - 2:45 Curating Your Own Collection, Dallas Evans, Educator/Curator of Natural Science, The Children's Museum, Indianapolis
- 3:00 - 3:45 Behind the Scenes at the Falls of the Ohio (Learn about the aquariums, park's collections, education efforts, etc.), offered by Park staff.
- 3:00 - 4:00 Dr. William I. Ausich will look at your crinoids and help you identify them. In the "Resource Tent" outside.
- 4:00 - 4:45 Fossils and collecting in Timor, Indonesia Larry Osterberger, MAPS member
- 5:00 - 6:00 The Paleontological Society Keynote Presentation: Crinoid Ecology: Past and Present Dr. William I. Ausich, The Ohio State University. Dr. Ausich is leading authority on lower Mississippian crinoids and has studied Lower Silurian and Ordovician crinoids as well.

Sunday, September 23

All activity areas and vendors are open from 10:00 am - 5:00 pm.

- 9:00 - 11:30 Hike on outer fossil beds, guided by Paul Olliges, an experienced Falls volunteer
- 11:00 - 11:45 Common Fossils of Indiana and Kentucky, Dan Phelps, Kentucky Paleontological Society and Margaret Kahrs, Indiana Society for Paleontology
- 1:00 - 1:45 Fossil Collecting Tips, Charles Oldham, MAPS member, Crestwood, Kentucky
- 3:00 - 4:00 Trilobites of the World, Tom Johnson, Noted Trilobite Preparator from Peebles, Ohio
- 4:00 - 5:00 Keynote Speaker: Collecting Fossils in the Gobi Desert, Mongolia, Dr. Guillermo Rougier, University of Louisville. Dr. Rougier is studying the earliest evidence of mammals in the fossil record.

Speaker schedule may be changed due to unforeseen circumstances. Any changes will be announced during the Fossil Festival.

Travis Pennekamp
2337 Cleveland Blvd
Granite City IL 62042
618-452-5039
jpenne2000@aol.com

Student ('01). Major interest dinosaur, bison, mammoth, mastodon. Wants to pursue curiosity of subject and satisfy life-long interest.

Ron Pridgen
404 Norton Ave.
Liberty MO 64068
816-781-5719

Robert L. Pyle
1964 B. Negley Ave
Morgantown WV 26505
314-496-7221
fx 304-296-7221
Pyle@PrehistoricPlanet.com

Archaeologist. Major interest prehistoric man, petroglyphs, fossils of all kinds. Has for trade plant fossils, WV coral.

Paul Regel
11835 Laurel Rd
Chesterland OH 44026
440-729-7294

Programmer/Analyst. Major interest trilobites, echinoderms. Member North Coast Fossil Club.

Glenn F. Rockers
PaleoSearch
Box 621
Hays KS 67601
785-625-2240
fx 785-625-2235
Rockers@PaleoSearch.com

Owner-PALEOSEARCH Inc. Will not trade. Interested in all fossils.

Robert Rondinelli M.D.
13812 Goodman St.
Overland Park KS 66223
913-897-7625
fx 913-588-6765
RDRONDINE@AOL.com

Physician. Major interest ammonites and trilobites. Member of KS/MO Paleo Soc.

Ronald Ruschman
938 Long Branch Trail Box 120
L. Switzerland NC 28749
828-766-8755
fx 828-766-8755
www.starcarver.com

Natural History Sales. Will trade. Major interest dinosaurs, petrified wood, trilobites, marine vertebrates. Has previous for trade.

Jack Shirley
6292 Castle Hill Dr.
Middletown OH 45044
741.817.00
fx 513-777-0800
N8DX@fuse.net

Electronic engineer. Major interest trilobites and crinoids.

Deanne I. Slater
6353 Norwaldo Ave
Indianapolis IN 46220-2131
317-253-6951
deeis@aol.com

Registered nurse. Not enough to trade yet ('01)

John Taylor
607 Lockheed St
Charleston SC 29407
843-769-6865
sharkteeth@cchat.com

Fossil dealer. Will trade. Has for trade shark teeth.

Natalia Woerdemann
Eidelstedterweg 230 A
25469 Halstenbek
GERMANY
49-4101-46115
fx. 49-4101-46115
nordfossil@GMX.DE

Teacher. Major interest trilobites, mammals.

PLEASE NOTE THE FOLLOWING CHANGES OF ADDRESS OR CORRECTIONS:

Mark Barger
20491 Stafford
Clinton TWP MI 48035
810-790-4323

Mechanic. Will trade. Major interest dinosaurs, mammoths, sharks. Will trade

Philip & Donna Burgess
326 So. Buchanan
Prairie du Chien WI 53821
608-326-8791
phido@mhtc.net

3-M Company. Will not trade. Major interest cephalopods, molluscs, Ordovician & Silurian fossils.

George Fiedler
RT 4 BOX 196B
Linden TN 37096
931-589-5405

Physician--retired. Will trade. Major interest trilobites, ammonites.

Glen & Penny LaPlaca
3811 Baker Rd.
Orchard Park NY 14127-2020
716-667-3115
fossils@pastpres.com

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

Wendell Ricketts
3701 38th Avenue
Oakland CA 94619
510-336-9465

Writer, teacher. Will trade, but only with collectors willing and able to provide complete and accurate site information. Major interest Paleozoic brachs and microfossils; other invertebrates; echinoids. Has for trade dupes of mostly U.S. Ord. and Penn. brachs and ostracodes; some Haragan (Dev.) material; some Birdsong (Dev.) brachs. Wants contact with other serious collectors; collecting information; and to trade information about identification and preservation of fossils.

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

Roger E. Bohn
2S644 Devonshire Ln.
Glen Ellyn IL 60137
630-858-2956

Retired. Major interest vertebrates & invertebrates, including dinosaurs.

David Brandt
11475 240th Street
Council Bluffs IA 51503-6937
712-366-1885
farmdiver@aol.com

Farmer. Major interest invertebrates, except fish.

Thomas C. Dinkel
5700 N. Major
Chicago IL 60646
773-467-1727

Student ('01). Major interest vertebrate paleontology

Robert F. Dziwak
10437 S. Kenneth
Oaklawn IL 60453
708-425-2590

Retired. Member of ESCONI, Illinois.

Alan Foral
P.O. Box 67121
Lincoln NE 68506
401-489-5600
bonz@cornhusker.net

Fossil dealer. Will trade. Major interest Pleistocene fossils. Has for trade bison, mammoth, sloth, skulls.

John Hilderbrand
3746 Adie Rd.
St. Ann MO 63074
314-739-1527
giganotosaurus@angelfire.com

Web Developer. Major interest plant fossils from the Mesozoic era. Will not trade at this time ('01). Member of Eastern Missouri Soc. of Paleo.

Import Specialist, Inc.
6924 Dimmick Road
West Chester OR 45069
141.725.00
fx 513-779-3088
mammoth@importspecialist.com

Importer. Major interest mammoths and amber. Has for trade mammoth tusks. Wants to meet fossil collectors.

William L. Kephart
903 Prestwick Pt.
Champaign IL 61822
217-403-0270
217-359-4918
bill@fossilpreparation.com
www.fossilpreparation.com

Fossil preparator. Former preparator Field Museum of Natural History--specialized in fossil fishes, but facilities to handle ANY prep work. Wants to make himself available to collectors in MAPS.

Susan Kratz
606 2nd Ave.
Iowa City IA 52245
319-358-0006

Teacher. Major interest field trips to collect and researching finds for labeling and display. May trade later. Not much to trade yet ('01).

David J. Kreiter
1322 Dover St.
Iowa City IA 52240
319-354-7383
fx 319-338-3092
IowaTrails@aol.com

Upholsterer. Major interest collection and identification of local fauna. Will probably not trade. Wants to gain access and trade information of collecting sites. Also group participation.

Joe LaRussa
198 Marion St.
Rochester NY 14610
716-288-0772
Jlarussa@crt.xerox.com

Engineer. Major interest marine invertebrates. Member of Buffalo Geo. Soc., NY, Rochester Fossil Section (RAS.), NY

Charlotte & Jerry Mennemeier
772 SE 275
Knob Noster MO 65336
660-563-5448
gamachar@webtv.net

Fireman.

Mike Muhlbauer
21 Ashgate Court
Fenton MO 63026
636-343-5560
fx 636-343-5560
muhlbauerm@aol.com

Veterinarian. Major interest shark teeth! May trade later ('01). Wants to learn more about fossils/paleontology and go on fossil collecting trips!

Carl Nash
412 E. 11th Ave.
Naperville IL 60563

Nord Fossil
Eidelstedterweg 230 A
25469 Halstenbek
GERMANY
49-4101-46115
fx 49-4101-46115
nordfossil@GMX.DE
www.nordfossil.com

Optician. Major interest Cretaceous, trilobites, mammals.

Vincent P. O'Donnell
350 Mt Carmel Road
East Fallowfield PA 19320
215-383-6023

Science Teacher. Will trade. Major interest Miocene sharks teeth, vertebrates, trilobites, Florissant fossils. Has for trade Florissant fossils, St. Clair plant fossils. Member Tampa Bay Fossil Club, Delaware Valley Paleo. Soc. (Past Pres.).

Robert L Peck
HC 74 Box 98-G
Hinton WV 25951-9115
304-466-3454
fossilpecker@netscape.net

Teacher/woodcutter. Will trade! Major interest Mississippian brachiopods; brachiopods. Has for trade brachiopods, plant fossils, a few large blastoids (1"+ diameter). Member WV Fossil Club, Dry Dredgers, North Coast Fossil Club, KY Paleo Soc. Wants to learn, collect, and meet other collectors.

George Pelprey
116 N. High
Lacon IL 61540
309-246-3338
Pelpgr@lacon.net

Retired. Will trade. Major interest Mazon coal fossils. Has for trade varied Mazon Creek.

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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**SUMMER POTLUCK/FIELD TRIP
NOTICE ON PAGE 1, CALENDAR**

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