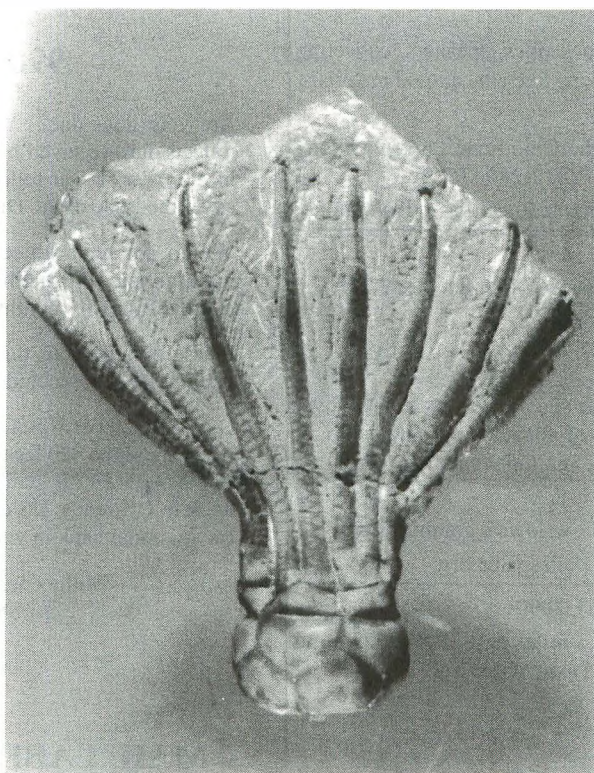


M.A.P.S. *Digest*

Official Publication of
Mid-America Paleontology Society

Volume 23, No 5
May-June 2000



MARK YOUR CALENDARS

Jul 9 MAPS FIELD TRIP, PICNIC & MEETING

Karl & Lee Stuekerjuergen's, West Point, IA
319-837-6690 karstuek@interl.net

Meet at Karl & Lee's at 9:45. Leave at 10:00 for field trip to Barb Creek to collect crinoids (calyxes). Tools: hammer and chisel. Return to Stuekerjuergens' for pot luck at 1:00, followed by meeting.

Aug 5 LOWER WISCONSIN GEOLOGY & COLLECTING FIELD TRIP

Lizzadro Mus. of Lapidary Art, 220 Cottage Hill, Elmhurst, IL
Travel by motorcoach through lower Wisconsin's beautiful countryside to learn about the geology of this historic mining area. Includes fossil collecting at a Beloit quarry and mineral collecting in mine tailings. 7 am - 7 pm.
Members/\$40; Others/\$45; Reservations Required: 630-833-1616

Sep 16-17 6TH FALLS FOSSIL FESTIVAL

Falls of the Ohio State Park, Jeffersonville, IN
Sat. 9 am - 7 pm
Sun. 9 am - 5 pm

Fossil swap and sales; collecting rock piles, speakers, collecting workshops, identification, guided hikes, free educational materials.

Contact: Alan Goldstein, Falls of the Ohio State Park, P.O. Box 1327, Jeffersonville, IN 47131-1327 (812-280-9970)
Web Site: <http://www.cissmall.com/fallsoftheohio/festival.html>

Oct 27-29 FOSSILMANIA XVIII

Somervell County Expo Center, Hwy 67 in Glen Rose, TX
Fri. & Sat. 9 am - 6 pm
Sun. 9 am - 12 noon

Fossil and fossil-related sale and trade show. Dealers from all over the country. Buy, swap or just look. Educational programs Fri. & Sat., fossils for all kids, door prizes, Sat. night auction.

Contact: Bill Lowe (817) 579-0955 <wslowe@granbury.com>
Dallas Paleo. Soc. Web Site: www.dallaspaleo.org

Nov 3-5 ROUND ROCK FOSSIL FEST 2000

Old Settler's Park, on Hwy 79, 3.3 miles east of IH 35, Round Rock, TX, Sponsored by Central Texas Paleo Soc.
Fri. 9 am - 5 pm
Sat. 10 am - 6 pm
Sun. 10 am - 5 pm

Dealers, Displays, Demonstrations, Activities for kids.
Contact: Michael Smith (512) 288-6582 <mksmith@acm.org>
Web Site: <http://freeweb.digiweb.com/science/CTPS>

Nov 13-15 THIRD CONFERENCE on PARTNERSHIP OPPORTUNITIES for FEDERALLY ASSOCIATED COLLECTIONS, Austin, TX

Goals are to foster communication and cooperation among Federal and non-Federal managers of Federal collections, to create new and revive old partnerships, and to improve technical expertise related to managing Federally associated collections of all kinds.

Texas Association of Museums
3939 Bee Caves Road, Building A, Suite 1-B
Austin TX 78746
ph. 512-328-6812; fx. 512-327-9775; e-m. Tam@io.com
Web Site: <http://museums.doi.gov/fedcoll/fedcoll3/>

Mar 30-Apr 1, 2001 MAPS NATIONAL FOSSIL EXPOSITION XXIII—TRILOBITES

Western Illinois University, Macomb, IL
Fri., Mar. 30 8 am - 5 pm
Sat., Mar. 31 8 am - 5 pm
Sun., Apr. 1 8 am - 12 noon

Information is mailed in the December issue

990/06 DUES ARE DUE

Are your dues due? You can tell by checking your mailing label. It reflects dues received by May 31. The top line gives the expiration date in the form of year followed by month--990/06 means 2000/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 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 \$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

MAIL LABEL—DUE DATE FOR 2000+

Since we have now passed into the year 00, and I still have records for the 90s, I am using the following method to code dates so my computer can pick out the ones for the year 2000 or later:

I am using the form "99 / __" for due dates starting in 2000. If your due date is in 2000, your label will start with 990/__. Similarly, 992/__ indicates a due date in 2002, etc.

PROCEEDINGS OF THE BOARD

Karl Stuekerjuergen presided over the general meeting of MAPS held on April 15 at Expo. Allyn Adams recognized significant helpers for Expo. A moment of silence was observed in honor of Fred Wessman, John Moody, and Jim Brubaker, MAPS members who died recently.

OLD BUSINESS: Frank Crane will represent MAPS at the Third Conference on Partnership Opportunities for Federally Associated Collections in Austin, Texas. David Board has designed a web site for MAPS.

NEW BUSINESS: The 2001 show will be held March 30-April 1 because the hall is not available to us any time in April. The theme will be *trilobites*. Articles should be sent to Maggie Kahrs.

Discussion of better advertising for the show included the following: Put *free* and *fossil expo* on the signs, put flyers at the local hotels, on campus and in Springfield, send info to other clubs, advertise on the web site, mail flyer to previous year's customers two weeks before show, get a media person on the Board, develop a unified flyer and send out on the Web to everyone so members can access the flyer, put signs in the Union and elevator. Allyn Adams expressed a concern about local advertising because we already have disappointed local people who come in on Sunday when most of the dealers are gone. Comments on publicity may be sent to anyone on the Board.

The 2002 show will be either the weekend of April 12 or May 10. The suggested theme is *Tracks, Trails, and Traces*. However, Maggie must receive a commitment of articles to go ahead with that theme.

It was noted that if the show in the hotel pushes their start date any further ahead of our show, they will draw away from our show. People will leave early, and if our show fails there will be no reason for anyone to go to Macomb for their show.

IT HAPPENED AT EXPO

We had another terrific show, with people from all over the US and beyond. The Katherine Palmer Award for amateurs, awarded by the Paleontological Research Institute (PRI), went to our own John Catalani, a teacher at Downers Grove, Illinois, High School. Over the past 30 years he has published on and donated Ordovician cephalopods to the PRI and has written a quarterly column "An Amateur's Perspective," for PRI. Our congratulations to John.

The PRI award was followed by the keynote address on the "Taxonomic Importance of Shark Teeth," by Bob Purdy from the Smithsonian Institute.

Our silent auctions, cash donations, and Saturday night's live auction took in \$2,601. Items generating high bids included a pipe fish for \$125, a mastodon tooth for \$150, and a Wyoming fish for \$77. Thanks to all who so generously donated to raise money for scholarships!

MAPS MEMBERS DIE RECENTLY

John Moody died suddenly March 26. R.C. Harmon in *Paleo Newsletter* noted "John Moody was an acknowledged expert and a good friend to a lot of us — fossil collectors and paleontologists. We love you, John."

On April 4, Fred Wessman succumbed to a brain tumor. Jim Ferguson recalled for *Paleo Newsletter*, "Those of us who were privileged to know Fred will always remember this unique person. He could hold you spellbound for hours with his collecting stories. He had traveled extensively and collected in many countries."

Jim Brubaker died of cancer in March. One of the core of MAPS members in the Cedar Rapids-Quad Cities, Iowa, area, he helped with the Digest mailings for many years.

Our sincere sympathy to the families of all three of these men.

ABOUT THE COVER

This month's cover photo was sent by Gil Norris. It is the Pennsylvanian-aged crinoid *Paralocrinus pontacensis* from Pontiac, Illinois. Gil got it from Harold Strimple, whose wife Christina discovered the site from which it was collected.

TRACE FOSSILS THEME FOR 2002 TO BE OR NOT TO BE???

Traces, Tracks, and Trails was requested for the 2002 Expo theme, but it will only be if there is enough support from the membership with articles and suggestions for a speaker. Maggie Kahrs, Expo Digest editor, says she needs your commitment for an article or names of nonmembers who will write and suggestions for a speaker by November 15, 2000, for us to proceed with Trace Fossils for the 2002 theme. It can only happen with your help.

Contact Maggie at 812-522-6903

MAPS NOW HAS WEB SITE

New MAPS member David Board has designed a web site for us. Check it out at:

<http://midamericapaleo.tripod.com/>

FOUND AT EXPO

Someone left between \$150 and \$180 worth of specimens that he bought at a dealer's booth at Expo. If it was you, contact Steve Haire with a description: P.O. Box 635, 309 Pine St., Hill City, SD 57745; 605-574-2247.

DIGEST TO CARRY REFEREED ARTICLES

Following a suggestion from Bruce Stinchcomb, the *Digest* will carry refereed articles if an interest is shown by authors. Refereed articles are ones which are reviewed by experts and corrected, if necessary, for accuracy before publishing. They are then considered scientifically sound and can be cited as references for other publications.

If any of you who submit articles for the *Digest* would like to have yours refereed, please send a note with your article. If you are interested in refereeing articles, please also let me know. Any articles which have been refereed will be clearly labeled when they are published.

FIELD COURSES, ETC., IN WY, MT, & SD

sent by David Jones

Dig for dinosaurs with the South Dakota School of Mines and Technology Museum of Geology. Participants will work in small groups with the involved paleontologists. Digs also can be taken for academic credit. Dates:

June 19-20, Family Paleontology in Rapids City and surrounding areas: Opportunity for families with young children to learn more about fossils. Register for 2-5 days. Field trips to fossil sites, guided museum tours, dig and clean fossils. Parents must attend with children.

July 10-21, Jurassic Dinosaurs and Mammals, near Sundance, WY. Coordinated by Dr. Jim Martin.

July 17-28, Monster Marine Reptile: Excavate and document skeletons of fierce sea serpents and their prey on the prairie west of the Black Hills.

July 17-28, Giant Pigs and Rhinos in the Badlands National Park:

July 31-Aug 11, Marine turtles, mosasaurs, and plesiosaurs from the Late Cretaceous. Excavations along the Missouri River near Chamberlain, S.D., led by Dr. Jim Martin and David Parris.

CONTACT: 605-394-2467 or 800-544-8162/ext. 2467; <museum@sdsmt.edu>; or SDSMT Museum of Geology, 501 E. St. Joseph Street, Rapid City, SD 57701

Dinosaur paleontology courses are offered through the Old Trail Museum in Choteau, Montana. Courses and tours are scheduled on a first come, first served basis. Group size is limited to ensure quality instruction and minimum age requirements are determined on a case-by-case basis. Fees cover only transportation between the Museum and field areas and excavation supplies needed for the courses.

Guided tours are \$50 per person and are custom tailored to fit the group's interests: Wings and Wild Things, Lewis & Clark Native Species Journey, Wildflower Walks, Reading the Trail, Native American Culture, Working Ranch Tours.

Two Day Dinosaur Paleontology Course @ \$160 per person includes prospecting, excavation, preparation, water screening and collecting marine fossils.

Five Day Advanced Dinosaur Paleontology Course @ \$400 per person is scheduled for August 7-11. It provides more intensive field experience and includes five days of field work, three evening lectures, and an outdoor barbecue at the course's end. Prior field experience is essential.

CONTACT: Old Trail Museum, 823 North Main, Choteau, Montana 59422. 406-466-5332, <otm@3rivers.net>, www.oldtrailmuseum.org.

Sheridan (Wyoming) College offers a 2 credit course, Geology 2460 Dinosaurs: Field Studies, July 24-August 1 (with the weekend off). It's an introductory short course that provides field studies of dinosaurs with classroom lectures on up-to-date study of topics concerned with classification, evolution, phylogeny, and field methods of paleobioenvironments. Other topics covered are sedimentary geology, fossils, geological time, paleobiogeography, field methods, and excavation skills. Research paper and full attendance are required.

CONTACT: Mike Flynn (Instructor) 307-674-6446, ext 6147, <mflynn@radar.sc.wyecn.edu>, or www.sc.wyecn.edu/~mflynn/geology/museum.html.

David also writes: *I hope I can see some MAPS members at Lewis & Clark Scout Camp (in South Dakota) any time from June 5 to 30 and July 6 to Aug 5. Late Cretaceous marine life in on the menu! Fish and a few aquatic reptiles.*

PALEONTOLOGY CERTIFICATION PROGRAM

sent by Joanne Kluessendorf

The Denver Museum of Natural History offers a Paleontology Certification Program to adults, 17 years of age and older, who want to learn more about paleontology and to develop skills in the collection and preservation of fossils.

The core program consists of a series of required courses that provide students with an introduction to the history of life as revealed through the fossil record as well as comprehensive knowledge of the theories and techniques of paleontology. Individuals receive the Certificate of Competency after they have completed the mandatory classes, passed a final exam, and have been approved by a committee of the Museum Department of Earth Sciences staff members.

Beyond core certification, students may opt for a Lab Specialization Certificate or a Field Specialization Certificate with additional hands-on courses.

Prospective students are asked to submit an application form in order to be added to the mailing list. Contact Liz Davis at 303-370-6489.

LETTER TO THE EDITOR

RE: Fossil Regulation — Two Views and a Comment, MAPS Digest, V22, No.9-V23, No. 1, p. 11

This article highlights the problem at the heart of amateur opposition to further fossil regulation but does not state it clearly enough. Two things are slowly but surely eating away at our hobby. The first is how we are defined in legislation and regulations. The second is the closure of the sites we would frequent. Today, fossiliferous sites are being gobbled up by governments at all levels as well as private development. Even surface collecting without tools by nonprofessionals is being seen as a danger to paleontology and the environment unless carried out under the supervision of a government entity or institution.

The definition of "amateur" has been one of the big sticking points. The word "amateur" means one who loves (amor) a certain pursuit, not one who is necessarily connected with an institution, individual paleontologist or that sells fossils. It is one who cultivates *anything* as a pastime. In the recent past we have been defined as both a subgroup of the commercial community or as *only* those collecting under the direct auspices of a museum or "certified educational institution." For most of us neither of these is the case. Many of us don't want to sell fossils or commit our precious "free time" to more work. We want to collect, study and maintain our own collections for our own enjoyment and personal education. (Some, perhaps many, such collections eventually fall into the hands of institutions.) The confusing of amateur, avocational (with an institution) and commercial needs to stop and the concerns have to be addressed individually and treated differently! Today it seems to be the feeling of some (many?) In the professional community that a fossil left to rot in the field is better than one collected by amateurs, whether to further a private study or inspire children that will be the next generation of paleontologists. (Or will provide the funding for the next generation of paleontologists!) Are we to just content ourselves with the occasional TV program or article in a popular journal or perhaps own a cast of a brachiopod if we are lucky?

Another argument that collectors are causing irreparable damage by the sheer volume of their collecting is ludicrous at best. The only place where this is true is in the case of sensitive fossil areas like the Burgess Shale or for some vertebrate sites. These certainly should be restricted, and I know of no one that argues against that. But to make the blanket claim that it must all be conserved and locked away is silly when you consider the truly greatest user of fossil bearing rock.

The cement industry is the biggest user of fossil bearing rock in the U.S. One cement plant (Az. Portland Cement) said that it processes about 2.5 millions tons of fossil bearing rock per year, or approximately 1 million cubic meters. There are about 180 such "rock crushers" in the U.S. This works out to 450 million tons per year. Over 1 ton per person in the U.S. per year! This also works out to 6850 tons per plant or about 2740 cubic meters (340 dump truck loads) of fossil bearing rock *per day*. This is easily in one day more than all amateur fossil collectors collect in ten years!

The next statistics came from the Arizona Bureau of Mines in 1994. A typical formation contains about 1 million-million cubic feet or 70,000 million tons of rock. There are hundreds of formations in the U.S. that vary by a factor of ten larger and smaller than this. So this is a reasonable mean figure. This is 15.6 tons for every man, woman and child on earth; and that's just one formation! Even if the cement plants were to concentrate on one formation, it would take over 155 years to work it out!!

A local person was once heard to say in a tv interview that the Naco Formation in Arizona is nearly "worked-out." First of all, this is not a Formation but a *Group* and contains 30 million-million cubic feet, just under 1 million-million cubic meters, about 2.1 million-million tons of fossiliferous rock. To work this out would mean that each person on earth would have to mine 6,000 cubic feet of the rock or about 556 tons each. That's around 30 standard dump truck loads for each of the 4.5 billion people on earth!

But, it is argued, only "public" lands are being licked away. After all, you "amateurs" have no *right* to go there and take your brachiopods. Well, while it is true this is not spelled out in the Constitution or the Bill of Rights, still does that give others the right to ignore the legitimate pursuits of the different amateur rockhounds that also pay taxes and are part of the community that for whom the few want to save all the lands! Recently a new effort is being tried and seems to be meeting with some success. It is to demand that private landowners carry special liability insurance and meet other public access requirements in order to allow access. Some of this has come about through litigation, but some of it has been spearheaded by those who seek to control even the land neither they nor the government owns. Even when these efforts fail, property owners that were once quite open to collectors have been intimidated into denying access.

With these pressures on our hobby, is it any wonder there is opposition to further legislation, rules and regulations? At a time when federal and state lands are being expanded and closed off at an unprecedented rate across the country, what could you expect? It appears, from legislation that was attempted in the last decade, and from regulations and rules that are raining down from our governments (especially from unelected members of those governments), that we are seen as the enemy, not just another group of taxpayers that want to enjoy public lands. I have and will continue to push for surface collecting with hadn (non-power) tools on most public lands. It is not a right, true, but it is also not as harmful as is being portrayed.

Though I am only a member, I would also encourage all MAPS members to also join the American Lands Access Association today. This organization will keep you abreast of new legislation, regulations and rules on our lands and will tell you how you can protect your access to these lands. Their address is P.O. Box 87543, Vancouver, WA 98687-0534. You'll get more information on this subject than from any other source I know of. They also have an email list for immediate action that is needed by members.

Sincerely,
Richard Hill, Tuscon, AZ

BEING HARASSED WHILE COLLECTING?

The following questionnaire was given to me at Expo, but I have forgotten by whom. It was their suggestion that the questionnaire be given to any government official who stops you or questions you while you are collecting fossils.

Pursuant to the Privacy Act of 1974, American Citizens are authorized to require full, written disclosure from any government official who is seeking information from said Citizen. The Internal Revenue Service and other taxing agencies are not exempt from this disclosure requirement and must use their full, legal name when answering the questionnaire.

To: Any Government Agency or Department which is requesting information from a citizen. Please fill out the following information regarding your demand for:

PUBLIC SERVANT'S QUESTIONNAIRE

Authority - Privacy Act, 5 USC Sic. 5521, 88 Stat. 1896 (1974)

1. Public servant's full legal name: _____
2. Public servant's resident address: _____
3. Name of Agency: _____
4. Name of Supervisor and Office address: _____
5. Will public servant uphold the Constitution of the United States? _____
6. Did public servant provide Citizen with proof of identity? _____
7. ID Number: _____ Badge Number _____
8. Will public servant furnish a copy of the law or regulation that authorizes information request? _____
9. Will public servant read aloud that portion of the law or regulation that authorizes the questions requested? _____
10. Are Citizen's answers voluntary or mandatory? _____
11. Are the questions being asked based upon a specific law or regulation, or are they a discovery process? _____
12. What other uses may be made of this information? _____
13. What other agencies may have access to this information? _____
14. What will be the effect upon me if I should not choose to answer any or all of these questions? _____
15. Name of person in government requesting this information? _____
16. Is this investigation of my finances general or special? _____
17. Have you consulted, questioned, interviewed or received information from any third party relating to this matter? _____
18. If yes, give identity of all such third parties. _____
19. Do you reasonably anticipate either a civil or criminal action to be pursued based upon any of the information which you seek? _____
20. Is there a file of records, information, or correspondence relating to me being maintained by this agency? _____
21. Is this agency using any information on me which was supplied by another agency or government source? _____
22. Will the public servant guarantee that the information in those files will not be used by any other department other than the one by which he is employed? _____

I hereby sign and affirm under the penalty of perjury that the answers given are true and correct in every particular.

Signature of public servant

Notice: If any request for information relating to me is received by any person or agency, you must advise me in writing before releasing such information. Failure to do so may subject you to possible civil or criminal action as provided by this Act or the law.

TINY BONES CREATE BIG DEBATE

source Mullen, William.

Big debate grows from tiny discovery.
Chicago Tribune. Sec 1, p 1. 4/16/00

A team of paleontologists working in China has recovered rice-sized ankle bones of three species of tiny primates that lived 42 million years ago. Two of the species are the smallest primates known, weighing one-third and one-half ounce each. They are key evidence in the debate over how monkeys, humans and great apes (anthropoids) evolved and from which continent they originated.

A team of paleontologists working in quarries that 42 million years ago lay under a steaming rain forest similar to the Amazon or Borneo found the bones by sifting through debris found in cracks in the limestone. According to Daniel Gebo, the Northern Illinois University anthropologist who heads the team, "Few would have predicted such a diminutive monkeylike creature at such a key branch of evolution... These are the smallest primates ever discovered, alive or extinct." Once species is one-third the size of the living mouse lemur from Madagascar, which at one ounce was previously the smallest primate known.

Articles in the March British journal *Nature* and the April *Journal of Human Evolution* chronicle and describe the discoveries. In *Nature* Gebo's team presents their evidence that *Eosimias* fills a previous gap in the fossil record linking lower (prosimian) and higher (anthropoid) primates. "Nobody thought a primate could get so small, so this is a totally novel and surprising discovery. We have broken the sound barrier of how small anthropoids could get," said L. Christopher Beard, a team member and paleontologist at Pittsburgh's Carnegie Museum.

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.

RENAISSANCE FOSSILS

"The Affordable Fossil People"

Visit Our Website Regularly - Updated Monthly
<http://www.renaissance-fossils.com>

Paleo Research Grants Available

Amateurs or Professionals
See Cincinnati Dry Dredgers Web Site
about the Paul Sanders Award
[.Http://homepages.uc.edu/~handgl/dredgers.htm](http://homepages.uc.edu/~handgl/dredgers.htm)

WESTERN PALEO SAFARIS

Fossil hunting vacations in the American West
in search of:

Dinosaur bones	Fish
Mammal teeth and bones	Insects
Crocodile and turtle bones	Leaves
Ammonitesand more

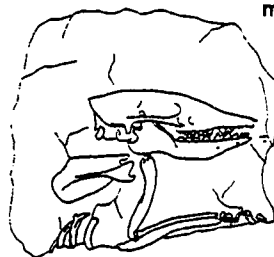
www.westernpaleo.com



Toll-free
1-888-875-2233
use PIN 7737

Professional Fossil Preparation

Quality work at reasonable rates on all fossils
microscopic to SAUROPODIAN
Specialize in Vertebrates



J-P Cavigelli

4318 Grays Gable Rd.
Laramie, WY 82072
(307) 742-4651
jpc@westernpaleo.com

Big Jim's Fossils & Supplies

- ◆ Large Fossil Inventory
- ◆ Super Glues
- ◆ Tips, Solvents, Accelerants
- ◆ Butvar by the pound
- ◆ Two Types Pneumatic Chisels
- ◆ Fossil Prepping

Owner: Jim Chaney
P.O. Box 114
Wylie, TX 75098
(972) 442-7303

Visit our Web Site:
<http://bigjimsfossils.com>
EMAIL: BIGJIMSFOSILS@compuserve.com

I Would Like to Buy (Rent, Borrow?)

a copy of the Chilson and Kloc video on fossil preparation and
a copy of the *Fossil Preparation Manual* by Whiteley and Kloc (1995)

David Lambert
dlambert@suffolk.edu 617-742-0376

Evidence suggests all three of the species lived in the upper canopies of the rain forest trees. Eosimias, which at 5 ounces is the largest of the three, is the oldest anthropoid fossil ever found. It is thought to have been 4 inches long, not counting the tail, and had feet with features similar to the higher primates, such as apes, prosimians, and lemurs. Since it lived in China 45 million years ago and the oldest identified monkeys and apes from Africa are only 37 million years old, the tiny discovery adds more doubt to the traditional view that monkeys and apes originated in Africa.

One of the other species has a structure similar to that of Eosimias, but is thought to have weighed only ½ ounce and measured 2 inches long without its tail. Because of their extremely small size, all three of the animals are thought to have had a tremendously high metabolism which required them to feed constantly on high calorie diets of insects, fruit and tree saps. The researchers think they were solitary, nocturnal critters, the perfect prey for owls.

The bones of these primates and other miniature animals were found broken in the same way owls break bones of their prey

before swallowing them, and markings on them are similar to the marks left by owl digestive acids. So the speculation is that the bones were in regurgitated owl pellets that got washed into crevices in the limestone. Gebo's team has spent years combing through the nearly microscopic bones. Besides the tiny primate bones, they also discovered remains of a dozen other tiny animals including "little mouselike rodents, small bats, tiny rabbits and even an extinct rhino that was about the size of a dog." No larger animals were found, however.

The Next Digest Will be the

July-September Issue

Which Will Go Out in September

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

Mark Barger
20491 Stafford
Clinton TWP MI 48035
810-790-4323
Mechanic. Will trade. Major interest
dinosaurs, mammoths, sharks. Not much
for trade yet (00).

Pa t Antonio
P.O. Box 51004
Pacific Grove CA 93950
408-649-0429

Scott Babbitt
P.O. Box 409
Westfield IN 46074
317-571-1638
317-571-9784

David Board
1535 Mary Lou Retton Dr
Fairmont WV 26554
304-368-1561
bitboy@mindspring.com

James C. Bonnette MD
4117 Hillsboro Pike
Suite 103 PMB 201
Nashville TN 37215
615-665-6452
615-665-6499
jbonnette@healthconnections.com

Mke Breidenstein
& Dan
405 Oak Dr.
Geneseo IL 61254
309-441-5135
mike@breidenstein.com
dan@breidnestein.com

Carol Bruketta
145 Fairview Place
Canton IL 61520
309-647-0721
wk 209-647-3944

Terry L. Chase
205 Wolf Creek Rd.
Cedar Creek
MO 65627-9720

Tod S. Clements
47 Hollybrook Rd.
Brockport NY 14420
716-637-2588
fx 716-637-2588
tscllements@ny.freei.net

Book Sales. Will not trade. Major interest vertebrates.

Web Designer. Will trade. Member of West Virginia Fossil
Club, Inc, Fairmont.

MD. Will trade. Major interest dinosaurs, petrified wood,
cycads. Has multiple items for trade.

Director of Technology

Hairdresser. Will trade. Major interest field trips. Not much to
trade yet (00). Wants to learn.

Test Technician/Paleontologist. Will trade. Major interest
invertebrate paleontology (Ordovician-Devonian), esp.
eurypterids. Has for trade eurypterid species + some
Rochester shale specimens. Member of Buffalo Geol. Soc.
(00)

Nancy Day
1788 Brentwood Dr.
Troy MI 48098
248-641-9863
wk 248-545-8559
fx 248-545-3479
nancyd@viazanko.com

Dallas C. Evans
The Children's Museum
P.O. Box 3000
Indianapolis IN 46206
317-924-5431 Ext 3716

Marge Fantozzi
101 Olympus Drive
Ocoee, FL 34761
407-295-3891
fx 407-295-4362
Mfantozzi@aol.com

Albert M. Hines
602 Fleming
North Muskegon MI 49445
616-744-7599

Albert J. Ingram
2508 Chandler Road
Concord TN 37922
423-539-6656
wk 423-539-1856

Brian Johnson
305 Briarcliff Drive
Greenville SC 29607
803-235-0629

Joseph J. Kchodl
501 E. Haley St.
Midland MI 48640
517-839-5932
PaleoEd@aol.com

Marilyn Keane
18453 Crownsgate Circle
Germantown MD 20874
301-601-9859
fx 301-601-9859
Marilyn_Keane@fc.mcps.k12-md.us

Mrs. Ruth Kirkby
P.O. Box 12455
Scottsdale AZ 85267

Anthony Kramer
829 Columbia St.
St. Marys OH 45885
419-394-5545
isotelus@hotmail.com

Clint E. Lincoln
1830 Millstream Drive
Frederick MD 21702

Office Manager. Major interest fossil collecting and cataloging for self collection. member of Univ. of MI Museum of Paleontology, Ann Arbor. New to fossil collecting and wants to learn. (00)

Natural Science Curator. Will not trade. Major interest Pleistocene mammals, dinosaurs, education.

Purebred Cattle Breeder. Will trade later. Major interests field collecting, identification, learning to prepare, and displaying. Member of Ken. paleo. Soc., Lexington. Wants to meet people who like to collect and share knowledge.

Amateur Paleontologist collecting fossils since 1970, mainly Devonian of NY, MI, OH and Ontario. Specializing in trilobites since 1993. Currently has collection of over 70 trilobite species including 22 Museum Quality specimens. Teaching Paleontology at local schools, Nature Centers and other groups. Honored to have a trilobite on display at the Czech National Museum in the Czech Republic. Will trade although limited trading stock. Interested in buying trilobites.

Teacher. Major interest trilobites, crinoids -- anything related. Interested in learning more about fossils, collecting, and the Paleo community.

Executive Director, Jurupa Mountains Cultural Center. Will not trade. Major interest education, paleobotany.

Student (00). Will trade. Major interest invertebrate fossils, mainly Paleozoic.

Michael & Laura Marlow
P.O. Box 117
Clarita OK 74535-0117
580-428-3116

Rita O. McDaniel
519 - 7th Ave. So.
Surfside Beach SC 29575
803-238-1083

William W. Morgan
113 Shavano Drive
San Antonio TX 78231
512-492-9163

Mr. George Rae
Garrieston, Dunscore
Dumfriesshire, SCOTLAND UK
DG2 OUY

Donald H. Raker
305 Oaklyn Dr.
Polk City IA 50226
515-984-6708

Bryan Ritchie
4 Herrell Ave
Barrie, ON
CANADA L4N 6T5

Arne Robertson
304 E. Madison Ave
Fairfield IA 52556
515-472-8920
aroberston@aol.com

Philip & Peter Rock
33016 Old Chicago Rd
Wilmington IL 60481
815-476-7132

Richard S. Rock
P.O. Box 726
Wilmington IL 60481-0726
815-476-7040

Mr. Michael Styles
22 Sour Acre Drive, Sleights
Whitby, North Yorkshire
ENGLAND YO22 5HE
01957-811288

Larry Swann
218 Eastern Dr.
Chesterfield IN 46017
765-759-4707

Ed Wagner
9872 E. 1950 N. Road
Bloomington IL 61704
309-376-7781

Mike Wirkus
1548 Towne Dr. Apt. 1B
Columbia MO 65202
573-814-1601
pslipnot@hotmail.com

Mineral & Fossil Dealer. Will Trade. Major interest Extinction Epochs and Evolution. Has for trade Misc. in-vertebrate and plant material from Stonewall Quad-range (Arbuckle Mountain Region). Member of Ada Club, OK. Wants to meet others with similar interest.

Software Engineer. Will trade. Major interest trilobites, crinoids, Mazon Creek fossils. Wants information, workshops, field trips.

Carpenter, Labor. Will trade. Wants to go on field trips, meet people and go collecting.

Maintenance Tech. Will trade. Major interest Mazon Creek fossils. Has for trade Mazon Creek fossils. Member of ESCONI. Wants to learn more about fossils, paleo environments, etc.

Retailer. Major interest ammonites. Has for trade Jurassic/Cias ammonites from England.

Carpenter. Will trade. Major interest mammals. Loves fossils.

Geologist/Construction. Will trade. Major interest ammonites, trilobites, Badlands of SD fossils. Not much in fossils for trade yet (00). Loves fossils and goes to Expo every year.

Major interest vertebrates--dinosaurs and mammals. Will trade. Has always loved fossils. In 1996 got turned on to vertebrates upon finding mammoth remains.

Jim Wyatt
1517 Greentree Lane
Garland TX 75042
214-494-3443
DOC.PALEO@CORVUS.COM

PLEASE NOTE THE FOLLOWING CHANGES OF ADDRESS OR CORRECTIONS:

Dr. Carlos & Martha Bazan
310 Tamworth
San Antonio TX 78213
210-366-2377
BAZFAM2@AOL.com

Radiologist. Collecting since 1975. Interested in echinoderms and arthropods, especially echinoids and trilobites. (00)

Forest Gahn
227 Glencoe Hills #4
Ann Arbor MI 48108

Undergraduate geology student. May trade. Hopes to earn Doctorate in Invertebrate Paleontology and specialize in early Mississippian crinoids. Is especially fond of the Burlington Limestone and its stratigraphic equivalents. Would like to correspond with individuals sharing similar interests. (95)

Yale R. Goldman
86 Dunne Ave
Collinsville CT 06019
860-693-4614
snakefly@hotmail.com

Will trade. Major interest plants, insects, trilobites. Has for trade Penn.-aged plant material (some material from St. Clair, PA). Member Delaware Valley Paleo. Soc., Philadelphia. Wants to network with other collectors & find out about collecting localities in other parts of country.

Barbara M. Knodel
147 Annapolis Lane
Rotonda West FL 33947-2206
941-698-1222
fx 941-698-1660

Secretary. Major interest crinoids, amber. Wants to meet people who share her interest of digging fossils. Also wants more information and knowledge about fossils.

Jacqueline Kozisek
1807 40th Ave
Stone Park IL 60165

Fossil Preparator. Major interest invertebrate paleontology. Member of CAPS, Chicago.

Harold & Jo Ann Rice
122 Lois Lane
Mt. Clemens MI 48043
810-463-5972

Richard D. Swigart
2613 N Linn St
Peoria IL 61604-3631
309-682-7950
Rswigart@yahoo.com

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

CANADA, ALBERTA

ALBERTA PALAEONTOLOGICAL SOCIETY

P.O. Box 35111, Calgary, Alberta, Canada T3E-7C7
Vaclav Marsovsky, Pres. 403-547-0182
Cindy Evans, Treas. 403-285-0144

MEET: 3rd Friday of the month, usually, Sept to May. Room B 108 Mount Royal College. Guests welcome.

PUBLICATION: "Bulletin", quarterly, Excellent production. Editor, Howard Allen

FIELD TRIPS: 3: June, July, August--3rd weekend. Inquiries welcome.

Participate in Rock Show 1st weekend of May each year. (2000)

The Mid-America Paleontology Society (MAPS) was formed to promote popular interest in the subject of paleontology; to encourage the proper collecting, study, preparation, and display of fossil material; and to assist other individuals, groups, and institutions interested in the various aspects of paleontology. It is a non-profit society incorporated under the laws of the State of Iowa.

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

Membership fee: One year from month of payment is \$20.00 per household. 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.)

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.

MAPS official publication, MAPS DIGEST, is published 9 months of the year—October through April, May/June, July/August/September.

President: Karl Stuekerjuergen, 1503 265th Ave., West Point, IA 52656-9029
1st Vice President: Dale Stout, 2237 Meadowbrook Dr. SE, Cedar Rapids, IA 52403
2nd Vice President: Marvin Houg, 3330 44th St. NE, Cedar Rapids, IA 52402
Secretary: Alberta Cray, 1125 J Avenue NW, Cedar Rapids, IA 52405
Treasurer: Sharon Sonnleitner, 4800 Sunset Dr. SW, Cedar Rapids, IA 52404
Membership: Dale Stout, 2237 Meadowbrook Dr. SE, Cedar Rapids, IA 52403
Directors: Blane Phillips (00), Doug DeRosear (01), Tom Walsh (02)

Dated Material - Meeting Notice

CYATHOCRINITES



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

FIRST CLASS MAIL

MID-AMERICA PALEONTOLOGY SOCIETY