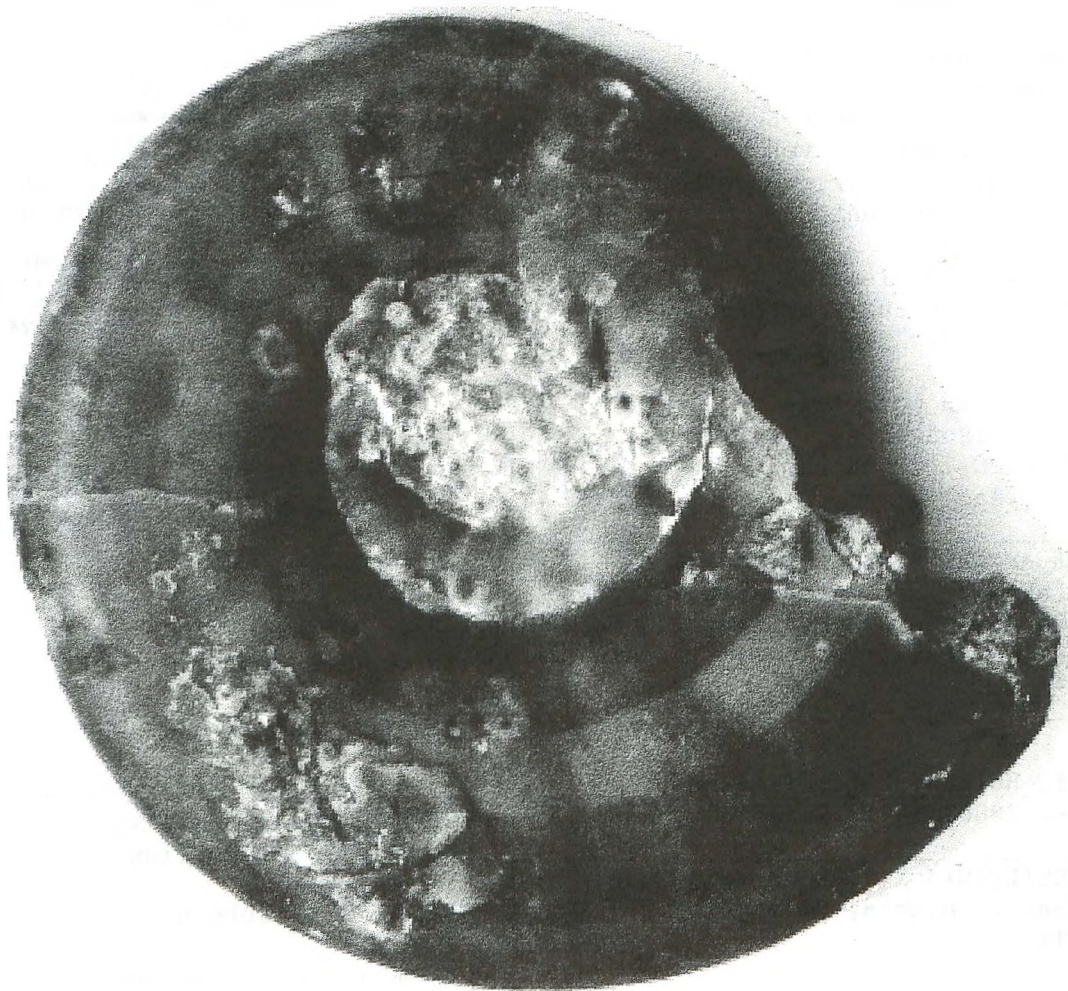


# M.A.P.S. *Digest*

Official Publication of  
Mid-America Paleontology Society

Volume 19 Number 5  
May-June, 1996



## MARK YOUR CALENDARS

**14 JUL MAPS FIELD TRIP, POTLUCK PICNIC AND MEETING** at Karl Stueker-juergen's, 1503 265th Ave, West Point, IA 52656 (319) 837-6690

10:00 - 1:00 Field trip to Burlington Formation near West Point: Crinoids, Blastoids, and Brachiopods

1:00 Potluck Picnic

Board & General Meeting combined, following picnic.

**28 SEP FALLS FOSSIL FESTIVAL, FALLS OF THE 29 OHIO STATE PARK, CLARKSVILLE, IN.**

Sat.: "Rare Fossils-I" by Charles Oldham.

"Rare Fossils-II" by Larry Osterberger

"Rebuilding Ancient Ecosystems" by Dr. David Meyer

"Trilobites: Curious Creatures of the Ancient Sea" by Tom Johnson

Sun.: Fossil Collecting Workshop  
"Those Fabulous Crawfordsville Crinoids!" by Bob Howell

Contact: Alan Goldstein, P.O. Box 1327, Jeffersonville, IN 47131-1317;  
Fx: 812-280-7110; E-mail: Deepskyspy@aol.com

**5 OCT 13th ANNUAL BVFS FLORIDA FOSSIL 6 FAIR, Lake Mirror Center, Lake Mirror Dr., 800 East Main St., Lakeland, FL**

Sat. 9-5

Sun. 9-4

Contact: Ed Holman, 2704 Dixie Rd., Lakeland, FL 33801 (941) 665-3426

**25 OCT FOSSILMANIA XIV, Somervell County 26 Expo Center, Highway 67 in Glen 27 Rose, TX**

Fri. & Sat. 9-6

Sun. 9-2

Contact: Ken Smith (214) 327-9281

**18 APR 1997 MAPS NATIONAL FOSSIL 19 EXPOSITION XVIII--BRACHIOPODS 20**

Fri., Apr. 12: 8am - 5:30pm

Sat., Apr. 13: 8am - 5pm

Sun., Apr. 14: 8am - 3pm

**\*\*\* 96/05 DUES ARE DUE \*\*\***

Are your dues due? You can tell by checking your mailing label. The top line gives the expiration date in the form of year followed by month--96/05 means 1996/May. Dues cover the issue of the Digest for the month in which they expire.

We do not send notices but will let you know if you are overdue by highlighting your mailing label on your Digest. We carry overdues for two months before dropping them from our mailing list.

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

Dues are \$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 checks payable to MAPS and mail to:**  
Sharon Sonnleitner, Treas.  
4800 Sunset Dr. SW  
Cedar Rapids, IA 52404

**ABOUT THE COVER**

**by John D. McLeod, Allen Texas**

Dieneroceras sp.  
Lower Triassic (Scythian)  
Meekoceras beds  
Elko County, Nevada

Diameter = 3.0 cm

This specimen shows a remnant color pattern of the original shell--broad stripes concurrent with coiling.

Collection of John McLeod

For more ammonites and other fossils in full color, visit my Internet page at <http://web2.airmail.net/jdmcLeod/>

## EXPO XVIII REVISITED

Our 18th EXPO is now only a memory as we move into the summer season of vacations, field trips, and yard and garden work. But let's take time to recall some of the highlights of this year's show.

We had another outstanding keynote speaker on Friday night. Tom Dutro stirred much interest in the show's theme, brachiopods, by drawing attention to some of the more interesting aspects of brachiopods that many of us who do not study them did not know. He was not only an excellent speaker, but also a willing helper in stuffing the EXPO envelopes. Thanks, Tom!

Saturday night the Paleontological Research Institution awarded its 1996 Katherine Palmer Award to Steve Felton. Steve was recognized for his outstanding contributions as a nonprofessional to the science of paleontology. From Cincinnati, Steve is a long-time member of the Dry Dredgers.

At the Saturday night business meeting, following a suggestion by Don Mikulic and Joanne Kluesendorf (his wife), a motion was made to create an award named in honor of Eugene Richardson to recognize a professional paleontologist who has made a significant contribution to helping amateurs. The award will be nonmonetary and awarded only when an outstanding candidate is presented to MAPS, not necessarily every year.

The Saturday night live auction was entertaining as always and raised a good sum for our scholarship contribution to the Paleo Society. At the business meeting, it was requested that we ask the Paleo Society to award the scholarships that we provide as sponsored by MAPS so the students will know where the money came from and so we can know who received the scholarships. Wendy Taylor, who was representing the PRI this year, was a previous recipient of a Paleo Society scholarship and said the money was very much appreciated.

Having been to 9 of the last 10 EXPOs, I am always amazed at the new and different specimens that appear each year. It's always so educational to just go around and look at everything--if you can get around before everything is sold, that is.

And last, but not least, is the meeting of friends, both old and new. For many, EXPO is the only time members are able to meet and visit with one another, but through the years, good friendships form. Several of our old friends were unable to attend this year, but we look forward to seeing them at EXPO XIX in 1997!

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## A LOVE OF FOSSILS...

by Randy Faerber, Lenexa Kansas

At this year's EXPO, I learned MAPS lost another of its members. Patricia A. Cundiff died since attending last year's EXPO. I didn't know Pat very well. But, I do remember chatting with her at past EXPOs about her fossil shells. She had material from around the world, although she had collected most of it from Florida. It was apparent by looking at what she brought to EXPO that a good deal of time was spent studying and identifying her finds. With Pat's death, her collection passed to her daughter, Mrs. Kim Lyons. Kim's primary interest is quilting (which was also one of Pat's). So, she brought her mother's collection to EXPO '96 with the hopes of selling some or all of the 3,000 to 4,000 lots/boxes. For most of us, buying such a collection is a dream we can seldom afford, especially all at one time. Unfortunately for Kim, that was the case for everyone at this year's EXPO. However, fortunately for the Paleontological Research Institute, Kim made an extremely unselfish gesture and donated her mother's collection to PRI, which, according to Dr. Wendy Taylor, who received the gift, is extremely grateful for Kim's generosity. Thus, Pat Cundiff's name and collecting efforts will be forever remembered as her collection joins that of Gilbert Dennison Harris, who founded PRI in 1932, and other amateur and professional paleontologists whose contributions are also housed at PRI. Kim also made a generous donation to the Saturday Night Live Auction. I'm sure I speak for all of MAPS by extending our deepest sympathy to Kim on the loss of her mother and also our thanks for her generosity to the Auction and PRI. Individual condolences can be sent to Kim at 24313 Harmon, St. Clair Shores, MI 48080 (MAPS member Bonnie McCash is Pat's sister, ed.)

## THE ENIGMATIC TULLY MONSTER

by Jim and Sylvia, Konecny  
Prescott, Arizona

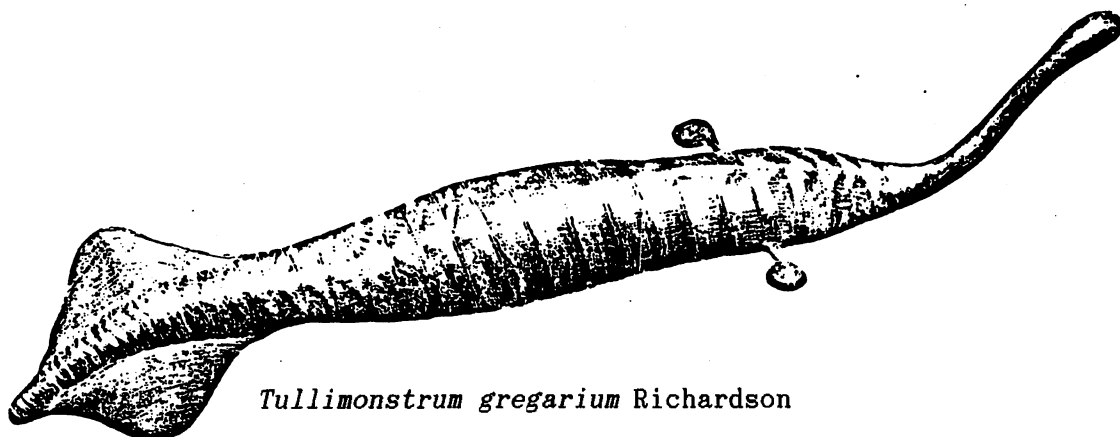
What in the world is a Tully Monster? In 1958, while hunting fossils encased in ironstone concretions in the abandoned coal strip mines of northern Illinois, a collector, Francis Tully by name, chanced upon some unusual organisms impressed in these concretions. This region is known as the Mazon Creek Area and its stratigraphic position is middle Pennsylvanian, Francis Creek Shale Member of the Carbondale Formation. Not being able to identify his new finds with the literature at hand, he brought them to the attention of George Langford and Dr. Eugene S. Richardson, Jr., at the Field Museum of Natural History in Chicago. The fossils immediately became a curiosity and a puzzlement to all who viewed them. Speculations abounded--it's a worm, it's a squid, it's a leach, it's a -- and on and on. Dr. Rainer Zangerl, then head of the Geology Department, merely referred to them as Tully's monsters. From the day of its discovery this odd-looking, strange-shaped creature has been the subject of much debate. To this day its taxonomic position is uncertain. When Richardson described this unusual beastie (Dr. Richardson's favorite term) in 1966, he did not hazard a placement in either phylum or class. He described it as a worm-like creature and named it *Tullimonstrum gregarium*. The generic name honoring the finder Francis Tully. A more detailed description in a subsequent paper by Richardson did nothing to further its identity.

The *Tullimonstrum's* morphology and affinities were reported on by Johnson and Richardson in 1969. Although a more detailed analysis of this strange animal was given, there was still a reluctance for a positive taxonomic placement. They indicated a leaning to one of the worm phyla; however, they showed their true feeling with the following quote: "The name is appropriate in yet another sense: a Norwegian paleontologist has pointed out that *tull* means 'nonsense' in Norwegian."

In 1979 Dr. Merrill W. Foster took the giant step and placed this poor orphan in the phylum MOLLUSCA. When it came to placing it in a class, he hedged a little bit. He merely suggested that it might belong to one of the gastropod groups. As might be expected, this did not meet with universal approval. It remains the object of much speculation.

The Tully, as it is commonly referred to, has been likened to all sorts of creatures both living and extinct, factual and fictional. The most bizarre relationship was reported in the January 30, 1969 Literary Supplement of the London Times. It is a book review of "The Great Orm of Loch Ness" by F.W. Holiday. Partial quotes of this review follow:

"The monster, if such there be, lurking in the depths of Loch Ness has had a



*Tullimonstrum gregarium* Richardson

very good run for men's money since they began to look for it nearly 40 years ago. ...The Great Orm of Loch Ness is a good attempt to lift the whole matter to a more rational level and bring it within sight of a reasonable conclusion. Mr. Holiday is an amateur zoologist with a vivid and vigorous pen, a cool head, and a firm grip on scientific method. He saw a Great Orm in the pre-dawn of a still August morning in 1962: ...The Loch Ness Phenomena Investigation Bureau was formed with American help, and began to operate in the mid-1960s, but with only moderate success.

"In 1966 the watchers had a great stroke of luck when they received from a Chicago museum a paper describing a strange fossil, *Tullimonstrum gregarium*, which had been dug out of nearby coal deposits in large numbers since 1958. This animal, a segmented worm about one foot long, was so bizarre that the local zoologists had failed to place it in any of the accepted phyla. Yet when the American reconstruction of the animal was compared with a model drawn from the most reliable of the Loch Ness evidence the similarities--particularly of certain lateral organs whose function was entirely conjectural--were so striking as to leave Mr. Holiday in no doubt that the Great Orm and Tully's Worm were members of the same unknown invertebrate family. The Loch Ness Monster was being turned into a giant worm.

"Having established his hypothetical base, Mr. Holiday turns back to history and becomes a dragon hunter. Why should we give the Great Orm a purely local habitation when in the past it may have spawned in any of the world's lakes and rivers, and risen from them in forays across land to spread

## FOSSIL NEWS

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terror and awe in human kind? The author ransacks the folklore and legends of Britain and the Middle East to see how their fiery abominations could be fitted into the Tully-Orm pattern. All this is highly conjectural. Mr. Holiday or someone else has still to capture and study a giant worm, which after all has only been seen once or twice on land in one shocking piece. But it looks as if the zoological Establishment may have to think again."

Mr. Holiday's assessment is interesting, to say the least. This leads one to wonder if he is serious in his comparison or is he just fantasizing. Is his theory as far fetched as it sounds? This brings us back to our opening sentence. What in the World is a Tully Monster?

The Tully Monster is endemic to Illinois. In fact, to be more precise, it has been found in only three locations--Peabody Coal Co.'s Pit 11 near Essex, an abandoned mine of the Old Northern Illinois Coal Co. west of Morris, commonly referred to as Chowder Flats, and the Sunspot Mine near Astoria. Appropriately, the Tully Monster has been designated the official state fossil of Illinois.

### REFERENCES

- Carman, Mary R. 1989. The Monster of Illinois. in Rocks and Minerals. Jan.-Feb., Vol. 64, No. 1, pp. 36-41
- Foster, Merrill W. 1979. A Reappraisal of *Tullimonstrum gregarium*. in Mazon Creek Fossils. Matthew H. Nitecki, Editor. Academic Press.
- Johnson, Ralph Gordon and Eugene S. Richardson, Jr. The Morphology and Affinities of *Tullimonstrum*. in Pennsylvanian Invertebrates of the Mazon Creek Area, Illinois. Fieldiana Geology, Vol. 12, Nos. 8-11. Field Museum of Natural History.
- Richardson, Eugene S., Jr. 1966A. Wormlike Fossil from the Pennsylvanian of Illinois. Science 151 (3706) pp. 75-76.
- \_\_\_\_\_. 1966B. The Tully Monster. Bulletin Field Museum of Natural History. 37 (7) July, 3 pp.
- \_\_\_\_\_. 1969. A Giant Worm? Literary Supplement. London Times. 30 January.



**LETTER TO THE EDITOR**

A meeting in Washington on May 14th was called to discuss HR 2943 in an attempt to reach a consensus on continued objections to parts of the Bill. The first attempt to reach a consensus was several meetings in 1989-1990, sponsored by the BLM and included representatives of the organizations that will make up the proposed National Fossil Council in HR 2943. These representatives were asked to meet again.

After seeing the language of HR 2943, the Society of Vertebrate Paleontology--SVP--apparently feels the need to oppose the commercial collectors and HR 2943. The SVP and the Dinosaur Society commissioned a telephone poll of 300 people to ask their opinion. In the results it is interesting to note that 4% or 12 people have collected fossils; 50% have visited National Parks; and over 42% visited museums. People who visit National Parks are told that they cannot pick up rocks, shells or fossils, and if they visit museums, they cannot touch specimens. The poll asks for opinions about collecting on public lands and private land. The description of public lands was National Parks, National Grasslands, and Federal Wilderness. No mention was made of the much larger portion of public lands managed by BLM, USFS, Fish & Wildlife, and Army Corps seashore and inland river shorelines. Three scenarios are used to question collecting by the respondent or "people," and the article leaves the impression that fossil collection of public lands is to be opposed or with a permit. The National Academy of Science recommended that public lands should be open to surface collecting without a permit. Professor Bob Bakker of Boulder, CO, well known in paleontology, said that 80% of all fossils in museums and universities have been collected by amateurs (people). Since this poll has been widely circulated, including the internet and magazines, it probably will be discussed on SVP visits to legislators' offices.

Similar to all legislation in Washington, there is the struggle between the proponents and the opposition. HR 2943 is a relatively narrow legislative issue that appeals to part of the 60,000 fossil and mineral members plus the thousands of

school children who love sharks teeth and dinosaurs. To enlighten the legislators of our wishes to pass HR 2943, we must write and write again like our life depended on it. The Baucus Bill was stopped by letters and HR 2943 can be passed with letters. With financial support, ALAA can continue to visit the legislators' offices. Membership for individuals is \$25 and clubs can contribute, too.

John Boland  
ALAA Director

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**FOSSIL STAMP UPDATE**  
**by Tony Verdi, Hinckley, Ohio**

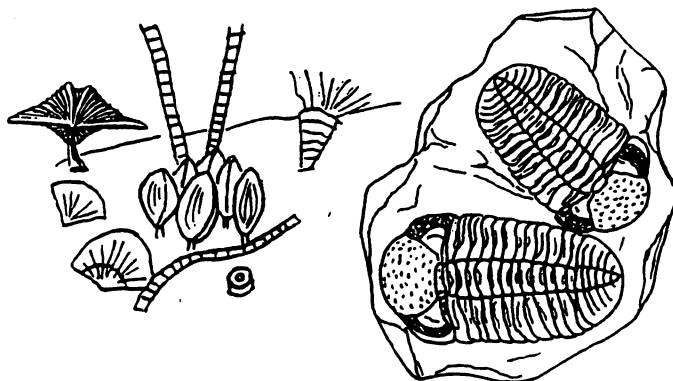
On June 9, 1996, a set of four stamps depicting prehistoric mammals will be issued.

It is important for us to request, buy and use many of these stamps. If we want the postal people to issue more geological stamps, we must write requesting them.

A set of Paleozoic fossils such as trilobites, brachiopods, crinoids, ammonites and corals could be the next step in honoring our early fossils on stamps. Also, another set of mineral stamps would be nice.

Please write to the postal people requesting early fossils.

Write to:  
United States Postal Service Citizens'  
Stamp Advisory Committee  
Room 5301  
475 L'Enfant Plaza West SW  
Washington, D.C. 20260-2420



**PETE LARSON SENTENCED TO TWO YEARS**  
**Bill Harlan, Rapid City Journal**

Commercial paleontologist Pete Larson was sentenced to two years in prison...in connection with a federal investigation of illegal fossil collecting that stretches back more than four years.

"You are a likable person," U.S. District Judge Richard Battey told Larson, before sentencing. The judge added, "I thing you have learned your lesson."

Battey..had received 190 letters supporting leniency for Larson.

But Battey said a prison sentence was appropriate for Larson, who was convicted of two felonies--failure to report \$31,700 in traveler's checks he brought into the country from Tokyo and failure to report \$15,000 cash he took to Peru.

Larson, 43, also was convicted of two misdemeanors--stealing a fossil worth less than \$100 from Forest Service land and "retention" of a stolen fossil worth less than \$100.

In addition to the prison term, Judge Battey fined Larson \$5,000. Larson will serve two years of "supervised release," the federal equivalent of parole, after his release from prison.

Battey ordered Larson to turn himself in on Feb. 22. ...

Just before sentencing Monday, Larson told Judge Battey, "I absolutely and positively accept full responsibility for all my actions."

But Larson also insisted that he did not mean to break the law. "I never intended to do anything wrong," he said.

Battey said it was difficult to believe that Larson, an expert fossil collector and preparator, did not at least suspect he was collecting on federal lands. ...

Battey sentenced Larson to the minimum allowed at the sentencing level the judge chose for Larson. ...

(Pat) Duffy (Larson's attorney) argued that a defendant in Judge Battey's court who had stabbed a victim, then tried to strangle him with a shoelace, had been sentenced at "level 18," while Larson was being sentence at "level 17." Duffy said that was unfair. ...

The Larsons (Pete and brother Neal) were never charged for excavating (the

*Tyrannosaurus rex*) Sue, though they lost custody of the fossil. ...

...Battey fined the (Black Hills) Institute itself \$10,000 for felony "retention" of a stolen fossil and other charges.

(Partner Bob) Farrar had been convicted of two customs felonies, but Battey later threw those convictions out.

(The court refused to release Larson while he is appealing the case.)

**HOW TO...NUMBER FOSSIL SPECIMENS**

**by Forrest Stevens**

**from Paleo Newsletter**

**March 96, Jean Wallace, ed.**

One thing I was told to do (and seems to work quite well) for marking specimens is to apply clear nail polish to a small area, let it dry (doesn't take long) and cover with white-out.

Then you can write a number on the white-out, and cover it with another layer of nail polish for extra protection. This process is not as involved as it sounds, works on about any surface, and the label can be almost completely removed with nail polish remover.

**OHIO FOSSILS SOON TO BE REPUBLISHED**

**from Dry Dredgers**

**April 1996, Greg Hand, ed.**

Dr. Richard A. Davis reports that the Ohio Department of Natural Resources, Division of Geological Survey, will soon have copies of the new version of *Ohio Fossils*. This classic text, issued originally several decades ago, has been completely rewritten.

For a complete list of Survey publications (*Ohio Fossils* is not yet on this list), write to:

Ohio Department of Natural Resources  
 Division of Geological Survey  
 4383 Fountain Square Drive  
 Columbus, OH 43224-1362

**FOSSIL SECRETS REVEALED****Through Acetate Peels****by Joe LeBlanc****Alberta Palaeo Society Bulletin, March 96  
via Paleo Newsletter, Jean Wallace, Ed.**

The use of acetate peels opens new areas of study for the fossil enthusiast. This simple method allows amateurs to examine such diverse phenomena as the internal preservation of corals, molluscs and bryozoans, the cellular makeup of a dinosaur bone and the discovery of microfossils such as fusulinids in limestone.

What is an acetate peel? Think of a fingerprint. A peel is used to bring out minute detail on the surface of a rock just as your fingerprints would be much more visible on a piece of glass after dipping your fingers in flour. Only with a peel, a fine impression is made on a piece of thick plastic that can be mounted between two slides and examined under a good hand lens or a microscope.

Let's make a peel!

**List of necessities:**

Hydrochloric acid (muriatic acid)  
Acetone  
Clear acetate paper (.005 to .02mm thick)  
A grinding surface (a sheet of glass)  
Grinding abrasives (20,600, 1000 grits)  
Glass slides (sizes will vary)  
A shallow dish (such as ice cream tub lid)

**Method**

Choose the fossil to be studied. Most fossils or fossiliferous limestone will do. The surface to examine can be anywhere from one to several centimetres across. **A smooth flat peeling surface must be created.**

This smooth surface can be started by making a clean cut with a rock saw. Don't despair, however, if a saw is not available. Many fossils can be ground on a piece of glass using 200 grit, water and lots of "elbow grease." (If a saw is used, the fossil must still be ground with 200 grit.) Use a rotating motion with the hand, as in polishing a table surface, to grind the fossil on the glass plate. Add water and grit when needed. There is no magic ration of water to grit; only experimentation will tell. **Keep grinding until the surface is not getting any smoother.**

Wash the fossil and glass of all 200 grit. Every speck! Repeat the grinding process with 600 grit until the surface is not getting any smoother. Wash again. Repeat

with 1000 grit. The surface where the fossil has been ground should be smooth to the touch and show an even surface when reflecting light. The ground fossil surface must now be etched in acid.

**Pour weak** (10% maximum\*) hydrochloric acid into a shallow dish. Use just enough to cover the bottom. Take the ground surface of the fossil and press it into the acid for 6 seconds. **Remove the fossil and immediately rinse it in water.** The fossil surface is now etched and ready for a peel.

Take acetate paper and cut a square of paper about 25% larger than the fossil surface to be peeled. Place the fossil on a table so that the ground surface is level and facing up. (If the underside is not flat, use Plasticine or some such product to create a stable base. Pour a small amount of acetone over the entire ground surface to be peeled. **Immediately** place the cut square of acetate paper on top of this surface. **The paper must be laid evenly in one motion. Do not press**

The acetate will cling to the wet, ground surface. The acetone will quickly evaporate. Leave in place for at least 3 minutes (no maximum limit). After the waiting time, peel off the acetate paper by slowly pulling it up from one corner. The motion is similar to removing a wet stamp from an envelope.

The square of acetate paper in your hand is now a "peel." Place it between two glass slides. The slides do not need to be sealed and can be reused. Your peel is now complete and ready to reveal palaeontological wonders under the microscope.

You may need to make several attempts before coming up with a successful peel. Don't despair. The rewards are worth it! A new world of internal fossil structures, microfossils and "curiosities" will be revealed. On your next field trip you will find yourself collecting bits and pieces of fossils and sedimentary rock that would have previously been discarded. Inside these bits & pieces are fossil secrets you can now unlock using acetate peels.

(\*Note: The muriatic acid available in hard-ware stores needs to be diluted for this application. Add 1 part muriatic to 2 parts water to obtain a 10% solution. Remember the AAA rule: Always Add Acid to water, not the other way around and wear eye protection. Also, use acetone only in a well-ventilated area, preferably outside or in a garage; acetone fumes are toxic and very flammable--ed.)



## ADVERTISING SECTION

Ads are \$5.00 per inch (6 lines x 1 column--43 spaces). Send information and checks payable to MAPS to: Mrs. Gerry Norris, 2623 34th Avenue Ct., Rock Island, IL 61201. Phone: (309) 786-6505.

This space is a \$5.00 size.

To extend currently running ads, please send request and remittance to **Editor** by the 15th of the month. We do not bill. Ads do not run in the EXPO issue (April). Ads up to 8 lines by 54 spaces can be printed in smaller type to fit a 1" space.

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317-273-0833

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John R. Benson  
11719 Beaconsfield  
Detroit MI 48224  
313-527-7457

Microbiologist Toxicologist. Will trade. Major interest Paleozoic Invert. Assemblages. Nothing to trade yet (96). Wants to network and learn more about various sites and collection locales.

Terry Boswell  
18469 W 3 B  
Walkerton IN 46574  
219-586-3546

Construction. Will trade. Interested in all fossils. Collecting since a972.

Debbie Bunn  
2329 Howe Avenue  
Sacramento CA 95825  
916-929-6665

President of Fossils For Fun (96). Will trade. Has Miocene leaves, whale bone, horse, camel, etc. Also some petrified wood and Triassic ammonites. Also interested in Junior education.

Ann Bybee  
3405 W. 141st St.  
Westfield IN 46074  
317-873-5528

Dental Hygienist. Major interest teeth.

Paul & Sheryl Caponera  
3034 Circle Way  
Ogden UT 84403  
801-627-1976  
fx:801-627-3549  
CAPONERPE@USA.REDCROSS.ORG

Red Cross Director. Will trade. Major interest invertebrates--all ages.

J.P. Carigelli  
1113 1/2 S. 7th St.  
Laramie WY 82070  
317-742-4651

Major interest vertebrates and prep work.

William D. Carpenter  
7910 Caldwell Ave. #20  
Niles IL 60714  
847-965-4264

Accounting. Will not trade. Major interest Prebiotic through Middle Cambrian/Evolutionary Biology. Former Pres. of Chicago Area Paleo. Soc.

Herman R. Cobble  
16369 Clingan Ln.  
Westville IL 61883

John Critchett  
42672 Argyle Circle  
Canton MI 48187  
313-432-5349  
fx:313-432-5364  
CRITCHET@smtp.munet.edu

Accounting Professor. Will trade. Major interest corals, brachiopods, echinoderms, trilobites. Member of Friend of the U. of MI Paleo, Ann Arbor Interested in learning more about fossils.

Ronald S. Douglas  
54152 Ash Rd., Lot 305  
Osceola IN 46561  
219-674-9203

U.W. Letter Carrier. Will trade. Major interest trilobites, cephalopods, gastropods, crinoids, blastoids, cystoids. Has for trade geodized fossils--brachs, gastropods; some crinoid heads, trilobites, etc., from Waldron shale form. in St. Paul, IN. Wants to gain knowledge and meet people with similar interests.

J. T. Dutro, Jr.  
5173 Fulton St. NW  
Washington DC 20016-3445

Geologist/retired. Will not trade. Major interest brachiopods, especially Devonian, Carboniferous, Permian. Interested in supporting paleontology. (1996 EXPO keynote speaker) 212-363-0480

Patricia A. Eicks  
2045 Parker Rd.  
Florissant MO 63033  
314-837-3954

Student, Homemaker. Will trade. Major interest all types of fossils. Collecting since 1991.

Stephen H. Felton  
5678 Biscayne Ave.  
Cincinnati OH 45248  
513-574-2890

Contractor. Major interest Ordovician and Silurian fossils; gastropods and assoc. crinoids. Member of Dry Dredgers, Cincinnati. Wants to make contact with other collectors. Winner of PRI's 1996 Katherine Palmer Award (presented at EXPO).

Mike Fitzgerald  
1812 Eckner Dr.  
Portage MI 49002

Major interest trilobites and crinoids.

Gregory Gartland  
World of Science, Inc.  
900 Jefferson Rd. Bldg. 4  
Rochester NY 14623  
716-475-0100

David Goldberg  
8137 N. Hamlin  
Skokie IL 60076  
708-674-7260

Self-employed/Sells fossils wholesale & retail. Will trade. Major interest fossils, Dino bones.

Richard Hagar  
10908 Carroll Wood Way  
St. Louis MO 63128  
314-843-1897

Home Repair Business. Will trade. Major interest Pleistocene fossils and museum quality reproductions. Has for trade Pleistocene fossils.

Jack Heckscher  
4650 Walton Creek Rd  
Cincinnati OH 45243  
513-561-3812

Educational Consultant. Will trade. Major interest Pleistocene, badlands, White River group, trilobites, dinosaurs, teeth. Has for trade trilobites, caylyxes, teeth, etc. Lots of his friends are members.

Wesley A. & Loretta Holm  
3000 N. Winterbottom Rd.  
Morris IL 60450  
815-942-4576

Major interest Mazon Creek and Pit 11 fossils.

Travis & Chuck Jordan  
5927 Sharon Lane NW  
Cedar Rapids IA 52405  
319-396-9240

Student (Travis). Just beginning.

Kalla Kvalnes/Mitch delong  
Matthew, Katie, Kimmy, Kira, Clair  
8084 Tyler's Circle  
West Chester OH 45069  
513-779-0035  
delongma@pg.com

Ph.D. Scientists at Procter & Gamble. Major interest Ordovician fossils.

Carlton & Kay Mason  
Rt 2 Box 2605  
Columbus NC 28722  
704-863-2135

Fabrication of Solid Surface Countertops. Will trade. Major interest vertebrates. Has for trade ammonites from U.K. Wants exchange of information, education of the recovery and preparation of specimens, and promotion of educated interest in the collection of fossils.

John E. McArdle & Family  
14280 Golf View Dr.  
Eden Prairie MN 55346-3000  
612-949-0815

Michael Miglietta  
185 Bernice St.  
Rochester NY 14615  
716-663-6317

Fossil buyer/collector. Will trade. Major interest Oligocent mammals, NY trilobites. Works for World of Science. Buys fossil collections and display fossils. Has for trade Mazon Creek fossils and others. Wants to obtain fossils for World of Science.

Dennis Moore  
2510 E. 35th St. Ct.  
Davenport IA 52807  
319-359-4083

Major interest trilobites/brachiopods.

Mike Murphy  
P.O. Box 1753  
Ardmore OK 73402  
405-223-7515

Chemist. Will trade. Major interest echinoids, specializing in Cretaceous echinoids of TX; echinoderms, Paleozoic arthropods, cephalopods. Has for trade TX Cretaceous echinoids, other Cret. fossils; Ord., Dev., Penn. Paleocene Eocene invertebrates. Member Austin Paleo Soc., Dallas Paleo Soc., Central TX Paleo Soc. Wants to interface &/or trade with other amateurs/professionals.

Gilbert D. Parker  
15505 E. 44 Terrace  
Independence MO 64055  
816-373-9453  
GILBERT.PARKER @MICRO.COM

Chemist. Will trade. Interested in all types of fossils and particularly vertebrates. Has for trade Oligocene mammals and Penn. invertebrates and plants.

Ann & Gregg Peterson  
1829 Cardinal Ct.  
Wheeling IL 60090  
847-465-1742

Inv. Mgr. Interested in all fossils. Member of Tampa Bay Fossil Club.

Jewel K. Pozefsky  
17 Escondido Circle #238  
Altamonte Springs FL 32701  
417-830-8963

Amateur paleontologist with FL Prehistoric Mus., Inc. d/b/a Florida Fossil Hunters, Orlando, FL. Desires to meet & talk with others to increase knowledge of fossils. Will trade. Speciality is trilobites. Will participate in any field trips.

Lisa Radwick  
7576 Kingsbridge  
Canton MI 48187  
313-453-3066

Marketing Analyst. Just starting. Member of Friends of the U of MI Museum of Paleo. Wants to learn more about fossils and their classifications and where and how to collect them.

Scott Rees  
255 E 18th Apt #1  
Des Moines IA 51316  
515-266-3412

Equipment operator. Major interest Paleozoic era.

Jeffrey Riegel  
13243 East 5700 North Road  
Mokenca IL 60954

Howard Shanks  
1429 Clark  
Ames IA 50010  
515-232-6301  
515-294-9584  
shanks@iastate.edu

Physicist. Will trade. Major interest Paleobotany. Has for trade general fossils.-

Laura Steiner  
& Lowell  
48185 9 Mile  
Northville MI 48167  
810-348-7291

Raising children/(Lowell is 8 in '96). Will trade. Major interest Lowell--dinosaurs; Laura--all. Have for trade Petoskey stones. Want better access to fossils and information.

Geza Szucs  
37761 Fairfield Rd.  
Lake Villa IL 60046  
847-365-4380

Painter--Plasterer. Will trade. Major interest Cambrian, Ordovician, Penn. Member of ESCONI.

Bill Taylor  
5545 Hecate Ct.  
Fairfax VA 22032  
703-250-3520

Retired military. Will trade. Interested in all fossils. Has for dealing and trading mostly shark teeth and marine vertebrates.

Allen J. Thoma  
108 Lawrence Road  
Alameda CA 94502-7750  
520-522-3481

Biotech. Major interest vertebrates. Wants to meet and go with other collectors on field trips for collecting.

Pat & Larry Ward  
4520 Southmore Drive  
Orlando FL 32812-1309  
407-857-1573

Retired Supervisor, Production Control & Q.C./ Water Systems Design and Maint. Interested in all fossils with stress on morphology and taphonomy. In '96 interested in index fossils and in trading information and specimens. Members of Florida Fossil Hunters, FL Paleo. Soc., Pony Express, & Paleo Education Preserve.

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

Dennis W. Burdick  
P.O. Box 8032  
Northfield IL 60093  
847-595-0603

Mr. Eric Collier  
109, Rue Pierre LEOSTIC  
59240 DUNKERQUE  
FRANCE  
28.29.16.84

Chad Ferris  
1524 210th St.  
Sheffield IA 51475-5025  
515-892-4894

Student (96). Interested in all types of fossils. Will trade. Has collected upper Devonian fossils such as brachiopods, rugose and horn corals, gastropods, trilobites, and pachyphylum. Would like to learn about fossils in his area.

Eugene F. Hartstein  
9 Verbena Dr  
Newark DE 19711-6207

**STREET NAME**

Robert E. Henn  
7119 Hogue Road  
Evansville IN 47712  
812-424-8055

Ray Hintlian  
208 E BASELINE RD APT 113  
TEMPE AZ 85283-1230

Steve Holley  
30795 N. Norris Blacktop Rd  
Farmington IL 61531

STREET ADDRESS

Kenneth T. Kendrick  
118 Deer Path Circle  
Corinth MS 38834

Eda M. Louie  
9661 Parkland Rd.  
Manito IL 61546

STREET ADDRESS

Trevor Meyer  
TRG 2851 104 St. Suite H  
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515-287-7871

Steve Pavelsky  
5 S. Hartnett Ave.  
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314-524-3828

Dan Racz  
#133 - 3560 Pine Grove Ave  
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PHONE

John C. Sites  
26165 HWY 408  
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814-398-8212

Don Smarjesse  
23628 Stonehenge  
Novi MI 48375  
810-476-3386

AREA CODE

Jim Tatum  
16116 E. Lake Burrell Dr.  
Lutz FL 33549  
813-632-8579  
tatum@quijote.lang.usf.edu

University Professor. Main interest vertebrate fossils. Buys and sells, makes and sells casts, restores fossils. River diver since 1977, deals in common wholesale items as well as rare museum peices. Treasurer Tampa Bay Fossil Club (96); associate of Paleo Interprises.

Herb & Jane Tyler  
3514 Geele  
Sheboygan WI 53083

ZIP

Jan Van Donk  
69775 Amity Pike  
Plain City OH 43064



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.

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Dated Material - Meeting Notice

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