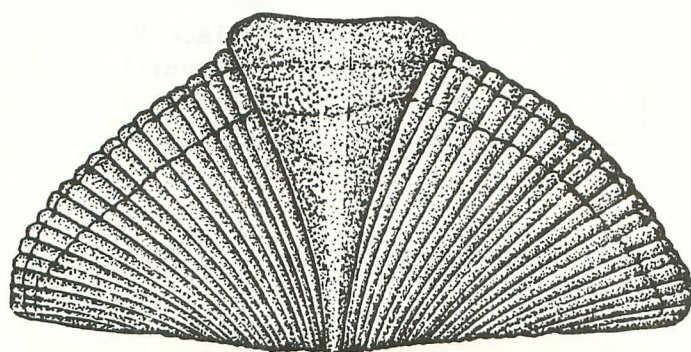


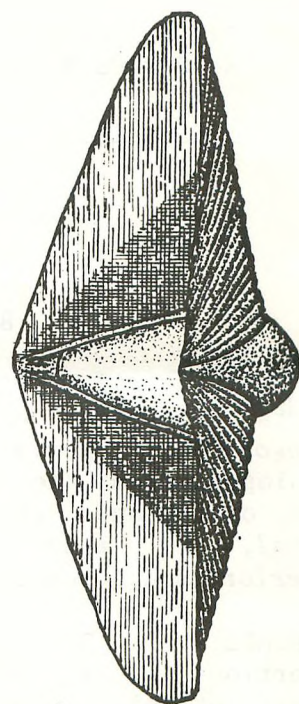
M.A.P.S. *Digest*

Official Publication of
Mid-America Paleontology Society

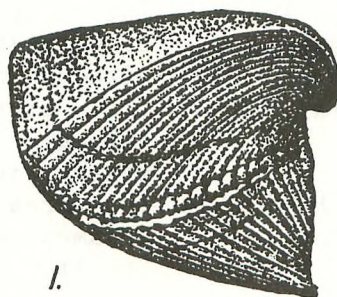
Volume 12 Number 1
January, 1989



3.

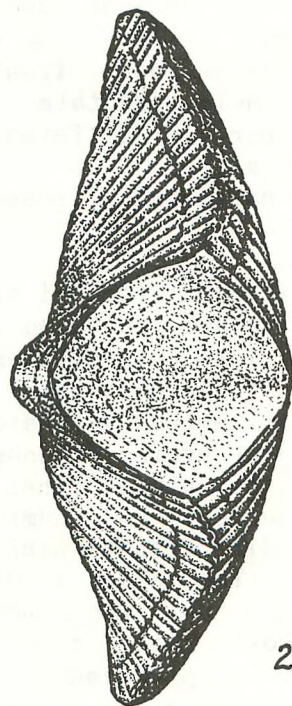


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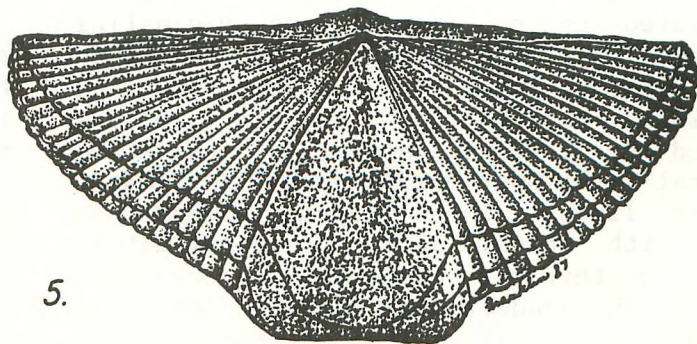


1.

25 mm



2.



5.

SYRINGOTHYRIS texta

MARK YOUR CALENDARS

<p>14 JAN MAPS MEETING at Fryxell Museum, Augustana College, Rock Island, IL</p> <p>1:00 Board Meeting 2:00 MAPS Meeting John Catalani Woodridge, IL</p>	<p>18 MAR MAPS MEETING at IBEW Hall 1211 Wiley Blvd. S.W. Cedar Rapids, IA</p> <p>1:00 Board Meeting 2:00 MAPS Meeting Cedar Valley Rocks & Minerals Society Show</p>
<p>11 FEB MAPS MEETING University of Iowa, Iowa City, IA (Place is tentative)</p> <p>1:00 Board Meeting 2:00 MAPS Meeting</p>	<p>1989 APRIL 14, 15, 16--EXPO XI--MAMMALS Macomb, IL</p> <p>Keynote Speaker: Peter Larson President of Black Hills Institute of Geological Research, Inc. (NOT Blackwood Fossils as reported in the December issue)</p>

ABOUT THE COVER

by Franklin Hadley

839 Chapel Hill, E. Dr., Indianapolis, IN 46214

The cover illustration by the author depicts a typical undeformed specimen of *Syringothyris texta* Hall, a large brachiopod from the lower Mississippian rocks of Indiana. The five views are: 1) lateral, 2) anterior, 3) ventral, 4) posterior, and 5) dorsal.

DIAGNOSIS: Spiriferoid; physical proportions highly variable from short and acutely pyramidal ventral valve. Hinge line straight; cardinal or even convex. Interarea differentiated into three regions: the central including the delthyrium and two lateral regions separated by a diagonal line originating at the apex and intersecting the hinge line 1/2 distance between delthyrium and cardinal extremities; central regions marked by vertical striations while the lateral regions marked by horizontal growth lines. The delthyrium higher than wide with apical angle of approximately 40°. Delthyrium completely covered by a convex pseudodeltidium and bordered by shallow but well defined dental grooves.

Lateral slopes of both valves with approximately 20 low rounded costae, intercostal grooves sharp, costae originating at beaks, sulcus and fold without costae. Growth lines evident but fine except very coarse near front and lateral margins. Shell punctate except absent in central part of differentiated interarea. Lateral slopes of both valves ornamented by characters resembling "twilled cloth."

Internally the adminicula (dental plates) of the ventral valve are short and thick, the syrinx bearing plate between them only slightly depressed at the delthyrial apex, and deepening as it extends toward the hinge line; the tubular syrinx extends from beneath it toward the hinge line. The muscle scar lies between the adminicula with an arching median ridge which has a central depression. The scar is diamond shaped, determined by the bounding adminicula, from whose anterior edges it converges medially approximately 1/2 distance to anterior margin. The scar is
(continued on p. 6)

EXPO XI--MAMMALS

Karl Stuekerjuergen, Show Chairman for EXPO XI, has compiled all the information about accommodations, table reservations, travel to Macomb, Illinois, etc., so it's time to start making your plans more definite. (See p. 4-5 and 8.)

Madelynne Lillybeck, EXPO *Digest* editor, notes that articles are coming in. If you are planning to contribute an article on mammals, please get it to Madelynne as soon as possible. Because that's the big issue for the year, it takes lots of time to compile.

Dennis Kingery, who is helping Madelynne with the EXPO *Digest*, writes, "Peter Larson, the keynote speaker of EXPO XI, is the President of Black Hills Institute of Geological Research, Inc., Hill City, South Dakota, (NOT Blackwood Fossils as reported last month). His company has been in business many years. They have put together many skeletons for museums and private collectors all over the world: 30 ft. Dinos, Whales from Peru, Badlands Cats, Oreodons, etc." Pete is scheduled to speak on Mammals at 7:30 Friday, April 13.

REQUESTS

Occasionally MAPS has a need for legal advice. Would any lawyer-member be willing to offer his/her services on those rare occasions? Contact Karl Stuekerjuergen.

Do you draw pictures of your fossils? Would you like to have them published? If so, send them to the editor for consideration. Include identification and a brief "story" (1 or 2 paragraphs is sufficient).

Would you like to share some of your fossil knowledge? Consider writing an article for the *Digest*.

DECEMBER COVER

I received the following note from Tom Servais, St. Paul, MN, regarding the December cover:

The cover of the MAPS *Digest* of December 1988 by Mark McKinzie shows *Conulites flexuosus* incorrectly labeled as a conulariid.

The new phylum of Conulariida by Babcock & Feldman--1986 shows all conulariids to have 4 faces and to be rectangular in cross section.

Loren Babcock, PhD, is the leading expert on conulariids in the USA and can be reached at the University of Kansas, Lawrence.

MEET YOUR NEW OFFICERS

As a result of the election held at the December MAPS meeting your new officers for 1989 are the following:

President: Peggy Wallace
1st Vice President: Blane (Pappe) Phillips
2nd Vice President: Doug DeRosear
Secretary: Jo Ann Good
Treasurer: Sharon Sonnleitner
1st Yr. Director: Charles Stiles

Directors whose terms have not yet expired are:

2nd Yr.: Tom Walsh
3rd Yr.: Allyn Adams

We appreciate the above officers' willingness to serve and extend our thanks to the outgoing officers for the time and effort they put into making MAPS run smoothly in 1988.

**DUES ARE DUE
CHANGE IN MEMBERSHIP YEAR**

Just a reminder that dues were due by the end of December. If you haven't paid yours yet, there should be a sticker on your *Digest* indicating that you are overdue.

According to the new policy established last month, the membership year for all new members will run for one year from the month they pay their dues. They will receive a Directory but no back *Digests*. The membership year for all current members will continue to end in December unless the membership lapses and the member rejoins.

All members will have a two-month grace period during which they can pay late dues and will still receive the *Digest* without interruption; e.g., members whose dues are due in December will have a grace period extending to mid-February when the March *Digest* is mailed. If dues are not paid by that time, however, membership will lapse, and any *Digests* missed because of the lapse will not be sent. If a member pays after a lapse he/she will have a new due date.

Please make dues payable to MAPS and send to the Treasurer:

Sharon Sonnleitner
4800 Sunset Dr.
Fairfax, IA 52228

SEDIMENTARY NOTES

Eugene F. Hartstein, 17331 Highwood Drive, Orland Park, IL 60462, notes that he has moved from Texas to Illinois and after many years as a MAPS member hopes to get to EXPO. He's also interested in getting started on some good collecting sites within 3 hour of Joliet. If anyone can help him, contact him evenings at (312) 479-4549.

MICROFOSSILS IV--EXCEPTIONS

by Harold Tichenor

Chicago, IL

(Ed. note: This is the last of a four-part series.)

FIRST

Don't believe it. No matter how convincing anything said previously may have seemed, there have been no absolutes, no eternal verities, no hard and fast rules.

SIZE?

7/8 x 7/8 inch is convenient, but you and I can conceive of a dinosaur micro--not the whole beastie, but a hunk of bone (or skin?) with surface detail of muscle scars or "decoration". If it's too big for a M/M box, forget the box; but don't chop up a good specimen. In my last reincarnation as a mineral xl micromounter I kept unchopped some specimens which I decided it would be criminally insane to break up; I didn't.

DUPLICATES?

Perhaps they aren't. If you're specializing in something (and who isn't?) you may want to keep both of the nearly identical copies. How about a suite of trilobites of a species varying as to number of thorax sections. The literature is full of multi-photo stages of protaspis

or cephalon sizes. It's **YOUR** collection; build it as you see fit.

WHITE OR BLACK?

I've mounted a lot of multi-piece specimens, e.g. Endothyra bailevi, on a paper disk, usually black, but sometimes white for a dark pygidium (as some of the quartz replacements from Virginia.) If it isn't feasible to change the specimen, change the apurtenances.

DO IT YOUR WAY: IF YOU LIKE IT, IT'S RIGHT (if it's not a contest with arbitrary rules).

CORRECTION: In "MICROFOSSILS III" in the December 1988 Digest, p. 3, the price for 1000 Boxes #P-1 should be \$130.00 (not \$2.00) [typo]. Also, the degree sign was left off several numbers which indicated angles: p. 3, col. 2, "Fine sandpaper to dress...to 90°"; p. 4, col. 1, "Bend all tabs down 90°" & "Turn the box 90°"; p. 5, diagram, "3 bearings 120° apart" [memory loss: I forgot to put the little o's in--ed.].

WISCONSIN NO-HASSLE TRESPASS LAW**A GOOD MODEL**

by John Boland, LaCrosse, WI

Trespass is a word that conjures up nasty implications for both landowners and outdoor recreationists. It meant a hassle for everyone involved--the property owner, law enforcement personnel, insurance companies, the judicial system and the trespasser. In October, 1984, a Wisconsin law became effective that results in trespassers being issued a citation, similar to those issued for a traffic offense, rather than being prosecuted as a criminal.

Changing trespassing from a criminal to a civil offense and raising the maximum fine for the offense from \$500 to \$1000 is good news for landowners. Under the old law, people convicted of trespass received a criminal record, and that harsh reality often led judges to dismiss recreational trespass cases. With the new law, police can more vigorously enforce the law, and judges can more frequently convict

violators who do not have the property owner or tenant's permission. Ultimately, this should decrease trespassing. As with a traffic citation, those accused of trespassing pay a deposit which may be retained if they fail to appear in court.

The trespass reform measure also lessens the liability of landowners. The change limits the liability of the property owners who allow use of their land for recreation and are paid less than \$500 for it. Most outdoor activities for exercise, relaxation or pleasure are included, except organized sports sponsored by the owner. The statute specifically mentions hunting, fishing, camping, rock climbing, and snowmobiling among others--all exempt the landowner from liability. Both law changes, on trespass and liability, were recommended by a committee in the State Legislature. Eventually it should result in opening more private land to public recreation including rock and fossil collecting.

NATIONAL FOSSIL EXPOSITION XI - 1989

LOCATION AND TIME EXPO will be held at the Student Union, in the Grand Ballroom, on the campus of Western Illinois University, Macomb, Illinois. the simplest way to the site is to turn off IL 67 west on University Drive, then south to the Union. (Follow the signs.) Set-up is permitted on Friday, April 14, at 8:00 a.m.

EXPO HOURS: Friday, April 14 --8:00 a.m. -7:00 p.m.

Saturday, April 15 --8:00 a.m. -5:00 p.m.

Sunday, April 16 --8:00 a.m. -3:00 p.m.

TRANSPORTATION There are 2 highways leading into Macomb -- Il 136, an east-west route, and Il 67, a north-south route.

No plane service to Macomb at this time, but we will help to arrange transportation from Moline, Il., airport if you will make ADVANCE arrangements with Mrs. Gerry Norris, 2623 -34th Ave. Ct., Rock Island, Il. 61201 (309-786-6505), or Mrs. Madelynne Lillybeck, 1039 -33rd St. Ct., Moline, Il 61265 (309-764-0921). Or you can fly into St. Louis, Mo. or Peoria, Il. and rent a car and drive to Macomb.

LODGING Persons traveling in self-contained camping units may park on the parking lot. See Public Safety located in the Union. IDENTIFY WITH MAPS.

Macomb area code-- 309

Macomb zip code --61465

(prices subject to change)

<u>Starr Motel</u> -- Hwy 67 S and 136 E	<u>Time Out Motel</u> --Hwy 67 North
1507 E. Jackson Rd	311 University Dr.
837-4817 Single \$21.80	837-4838 Single \$28.34
(per night) 2(one bed) 25.07	(per night) 2(one bed) 30.52
2(two beds) 27.25	2(two beds) 34.88
3(two beds) 32.70	4(two beds) 38.15

<u>Holiday Inn</u> -- 1400 N. Lafayette --833-5511 or 1-800-HOLIDAY	
Single \$49.05	Each additional \$5.30 per person
(per night) Double 55.59	(Possible MAPS discount)

<u>Travel Inn</u> -- 1414 West Jackson -- 833-4521	
Single \$32.70	2(two beds) \$43.60
(per night) 2(one bed) 38.15	4(two beds) 43.60

Union -- Contact Gil Norris, 2623 - 34th Avenue Ct., Rock Island, Il 61201 (309-786-6505) If rooms are available send payment to Karl Stuekerjuergen with table reservations.

DO NOT CONTACT Western Illinois University. These rooms must be rented for both Friday and Saturday. You must request rooms early and pay for them before March 24, 1989. You may wish to be on standby.

Single	\$57.25 (weekend)	3 people	\$89.25 (weekend)
2 people	\$80.75 (weekend)	4 people	\$99.75 (weekend)

DON'T FORGET -- In all cases identify with MAPS.

PARKING For those living in the Union, parking will be east of the Union with room permits. For others, get visitor permits from Public Safety. Parking in specified lots. After 5:00 p.m. Friday ample parking. Before 5:00p.m.--PATIENCE NEEDED.

MEALS Meals are available in the Union. Fast food in the lower level and a deli in the basement. Ice cream is also available! There are many restaurants in town and a deli bar in a nearby grocery store.

EXPO REGULATIONS Everyone is requested to make advance registration by March 24, 1989. Mark your calendars now so you don't forget! Send registration forms found in the DIGEST with your requests for tables, display space, Union housing reservations (if available) and your yearly dues if you have not already paid them. It is a lot of extra work for us to accept dues at EXPO. Send these forms and your checks to : Karl Stuekerjuergen, RR1 Box28A, West Point, Iowa, 52656. Phone 319-837-6690

ALL TABLES WILL BE ASSIGNED. If you want to be next to someone, or specifically located, Please say so when you send your money. Cost of the tables is \$10.00 each for a 6' table for the weekend. Half tables may be rented for \$6.00.

The Committee insists that all materials be fossil or fossil related. Mountings, gemstones minerals, Indian relics, etc., are not permitted!

DISPLAYS EXPO is special because of displays. They are a gift. They give us all a look at the ancient epochs of the world. Display tables are provided at no cost -- 8ft. limit. If you need more space, please contact Show Chairman Karl Stuekerjuergen.

ALL RESERVATIONS WILL BE ACKNOWLEDGED

OTHER ACTIVITIES MAMMALS will be this years featured fossil. On Friday night our keynote speaker Pete Larson will speak on Mammals at 7:30. A LIVE AUCTION will follow a short business meeting and awards presentation on Saturday evening. Everyone is asked to provide a quality specimen, with full data and the name of the fossil donor. Specimens can be left at the information desk until 3:00 p.m., Saturday. If you wish to mail a specimen, send it with pertinent information to Paul Rechten, 7405 Shields, Harvard, IL 60035. Paul will send a postal acknowledgement on receipt of specimen.

Show Chairman & Table Reservations Karl Stuekerjuergen RR1 Box 28A West Point, Iowa
52656 (319-837-6690)
Auction....H. Paul Rechten, 7405 Shields, Harvard, IL 60035 (315-943-4178)
Reception desk....Peggy Walsh, 501 E. 19th Ave., Coal Valley, IL. 61240 (309-799-3626)
Liaison.... Wallace Harris, 325 E. Franklin, Macomb, IL. 61455 (309-833-4869)
Publicity.... Tom Witherspoon, Sr., 6611 Miller Road, Dearborn, MI 48126 (313-582-3139)
EXPO DIGEST.. Madelynne Lillybeck, 1039-33rd St. Ct., Moline IL 61265 (309-764-0921)

ABOUT THE COVER (*Cont. from p. 1*) marked by small ridges radiating from center of the median ridge central depression.

REMARKS: This species was described and named by Hall 1857 as *Spirifer textus*. In 1863 A. Winchel described a shell which came from the yellow sandstone lying beneath the Burlington Limestone at Burlington, Iowa, and which possesses the syrinx bearing plate and made it the basis for a new genus *Syringothyris*. In 1909 in *North American Index Fossils*, Grabaw & Shimer, editors, the species, with a corrected Latin ending, was shown as *Syringothyris texta*. It is reported found in the lower Mississippian rocks throughout the North American midwest, Alberta, Canada, and in China, Siberia, and U.S.S.R. In Indiana it is found in the Spickert Knob formation of the Borden Series. The collecting site is among the Knobs of Southern Indiana, in a roadcut of a narrow county road. The strata are horizontal while the road slopes radically. Many specimens are uncovered each spring after freezing and thawing cause exfoliation of the rock face. Some specimens may be found in the roadside ditch; others are partially exposed awaiting the patient collector with a hammer and chisel to extract them. Sometimes a specimen with complete shell is extracted; more often the shell pops off in pieces. The pieces must be rescued and wrapped with the specimen to be cemented in place later.

In April, 1984, on the Wednesday prior to the MAPS EXPO, MAPS member Gary Eichhorn from Montana accompanied me to the collecting site. We took along a stepladder to aid in reaching the specimens since the road downslopes. The stepladder was supported on exfoliation debris and Gary mounted the ladder while I held it in place. As Gary was hammering away, the ladder base gave way and Gary rode it all the way down. I could only jump aside, letting the ladder base slide, laughing myself silly, relieved that Gary remained vertical.

The "twilled cloth" ornamentation which must have prompted Hall to name his species *S. texta* is not restricted to his named species. Nor is it restricted to shells of

the genus *Syringothyris*. Another large brachiopod with a pyramidal ventral shell found in the lower Mississippian rocks and without the syrinx, *Pseudosyrinx* sp., also has the "twilled cloth" pattern. Its shell is also punctate. It is rare in Indiana; less than 1/2 dozen have been found.

The variable physical proportions of the specimens collected at the site noted above prompted me to send a particularly spherical specimen to Dr. G. A. Cooper, Paleobiologist Emeritus N.M.N.H. Smithsonian Institution, asking him for any remarks. Dr. Cooper's explanation for its plumpness is that many larva settled on the same desirable spot and competed for space as they increased in size. Those that couldn't grow laterally had to grow in whatever direction was available that they could still open their valves for feeding.

The pseudodeltidium which covers the delthyrium is rarely perfectly preserved in Indiana specimens of *S. texta*. Many specimens, however, show traces sufficient to prove its existence.

Even rarer, to the point of nonexistent, is a perfect specimen with shell attached that doesn't require removal of matrix. I use a Burgess Electric Vibro-Graver for massive matrix removal and modified dental tools for the finishing work. An OptiVISOR provides the necessary magnification. Good lighting is an absolute must.

PALEONTOLOGICAL SOCIETY SHORT COURSE ON DINOSAURS

Thomas W. Broadhead, Associate Professor, Department of Geological Sciences, The University of Tennessee, Knoxville, and immediate past special publications editor for the Paleontological Society, writes: "the 1989 Short Course of the Paleontological Society will cover the topic of Dinosaurs. Even better is the location of the meeting--St. Louis, Missouri, a well-located site for MAPS members to attend. In the past, there has been no registration fee for people attending these short courses, and the books are reasonably priced at about \$12.00."

ADVERTISING SECTION

Ads are \$3.50 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) 786-6506. This space is a \$3.50 size.

Decorate your wall with an 11x14" black and white matted photographic print of a fine quality **TRILOBITE** specimen. Ready to frame--\$10 ea. + \$2 post. Choose from: Dechenella, Isotelus, Geesops, Greenops, Odontocephalus, Olenellus, Phacops, Paradoxides, Modocia, Wanneria or send for complete list of available specimens. Checks payable to: Andrew L. Price, P.O. BOX 331, Millersville, PA 17551. Phone: (717) 872-9201.

ART BY GOD: OFFERS A FINE, WORLDWIDE SELECTION OF FOSSILS AND MINERALS. WE FEATURE FLORIDA FOSSILS. TO BUY, SELL OR TRADE CONTACT US AT 305-274-4044. STORE LOCATION 7123 S.W. 117TH AVE., LOHEMANN'S PLAZA, MIAMI, FLORIDA 33183.

Wanted: Used air abrasive system with or without work chamber in good condition. Tom Coughlin, 2116 Riding Spur Dr., St. Louis, MO 63146.

After John and I are married in June, we are planning a fossil honeymoon out West. We are planning on going through the bad lands, Wyoming, Montana, plus we are considering other parts of the continental U.S. If any MAPS members could provide info, we'd be glad to hear from you.

Susan Bucher/John McLeod
425 Rodgers, A
Downers Grove, IL 60515
(312) 968-0987

To help Tony Verdi, Hinckley, OH, convince the Post Office to issue four stamps depicting fossils send a note to Washington requesting the issue:

U.S. Postal Service
Citizens Stamp Advisory Committee
Room 5800
475 L'Enfant Plaza West, SW
Washington, D.C. 20260-6352

SOCIETY OF VERTEBRATE PALEONTOLOGY WOULD PROHIBIT COMMERCIAL COLLECTING ON PUBLIC LANDS

source: Monastersky, R. "NAS fossil report: Lacking backbone?" *Science News* 10/22/88 p.262.
noted by: Jon Kramer, Golden Valley, MN

The Society of Vertebrate Paleontology (SVP), a group of more than 900 U.S. and Canadian vertebrate paleontologists, expressed concern at an October meeting that a National Academy of Sciences (NAS) report could endanger untapped fossil sites and allow the commercialization of rare fossils. They are particularly concerned about NAS "panel recommendation #5, stating that 'commercial collecting of fossils from public lands should be regulated to minimize the risk of losing fossils and data of importance to paleontology' - a statement the society says tacitly condones commercial fossil collection and sale."

SVP President **Michael Woodburne**, University of California, Riverside, "says the society wants the federal government to expressly prohibit commercial collecting on public lands." According to SVP past president **Bruce J. MacFadden**, such commercialization may lead to unique specimens' ending up in private collections or in other countries rather than in museums, which he considers their rightful place. He adds that the NAS recommendations do not take into account the rarity of vertebrate fossils as compared to invertebrate fossils.

NAS panel member and invertebrate paleontologist with the U.S. Geological Survey in Reston, VA, **John Pojeta, Jr.**, says the report is an attempt to take into account the needs of many groups and notes that commercial collectors often provide specimens for schools and museums. He also "points out that the panel suggested that any important specimen found by commercial collectors should be placed in a public institution. 'Recommendation #5 is a strong endorsement of the policy science comes first,' Pojeta says."

According to Jon Kramer there is already a movement in the U.S. to close private as well as public sites to nonprofessional collectors.

Please ADD the following NEW MEMBERS to Your Directory:

Bobby Beard
2313 Driftwood Dr.
Mesquite, TX 75149

Alex Fabian
750 Woodlawn
Toledo, OH 43612

Jerry Howe
Converse College
Spartanburg, SC 29301

Dick Kling
P.O. Box 1141
Fairfield, CT 06430

Howard Liss
1924 Burbank Dr.
Dayton, OH 45406

Carlton S. Nash
38 Aldrich St.
Granby, MA 01033

Harriot Prinz
614 McCully St.
Pittsburgh, PA 15243

Casey Smith
Box 94
Fairburn, SD 57738

John & June Fennell
RSD 533 Allport St.
Leith, Tasmania 7315
AUSTRALIA

John & Julie Barrie
1 George Tee
Coomalpy, South
AUSTRALIA 5265

Don McLachlan
153 Major Horbrook Road
Christchurch 8
NEW ZEALAND

Boy Kitchener Sharp
7, Laveita Avenue
Mount Albert
AUKLAND, NEW ZEALAND

Tom Coughlin
2116 Riding Spur Drive
St. Louis, MO 63146

David L. Cox
2810 N. Maryland
Peoria, IL 61603-2036

Don Hahn
RR 1 7006 Swanson
Jefferson City, MO 65109

Metal Joining. Will trade. Major interest Cretaceous
Vertebrae. Has for trade Mosasaur vertebrae, encodus teeth,
shark vertebrae & teeth, Pleistocene teeth. Is new to hobby
& wishes to learn more.

Computer Programmer. Will trade. Major interest blastoids.
Has for trade blastoids, crinoids, & trilobites. Member of
Friends of the University of Michigan Museum of Paleontology,
Inc., Ann Arbor, MI. Wants to learn & share with other
fossil collectors.

Owner of an employment agency for teachers. Will not trade
through mail. Major interest fish, insects, trilobites. Has
for trade Green River leaves, insects & fish; trilobites.
Wants to learn about new sites & to find out which shows are
best for dealers.

General interest in fossils.

Geologist. Main interest dinosaur footprints. Has
footprints available. Also interested in all rocks &
fossils.

Psychology teacher. May trade. Major interest trilobites,
nautiloids. Has for trade Pennsylvanian ferns. Is addicted
to weekend fossiling!

Interested in all areas of fossil collecting. Has for trade
vertebrate fossils. Wants to do collecting in other areas
and will take others interested in collecting vertebrates.

Plant breeder/research scientist. Will trade. Major
interest crustacea, echinoids, ammonoids; display material
preferred. Have for trade most phyla from Australia & New
Zealand.

Builder. Limited trade. Major interest vertebrate structure
particularly reptilian; Australian Quaternary fauna;
echinoids. Have for trade Miocene echinoids. Wants contacts
with fossil people.

Will trade. Major interest invertebrates. Has for trade New
Zealand fossils. Wants contacts with fossil people.

Marine claims adjuster (ret.). Will trade. Major interest
palaeozoic invertebrates. Has for trade New Zealand
mollusca, brachiopoda. Curator of Auckland Geological
Society, Inc. Member of Fossils Collectors Assn. of
Australia.

Maya Hughes
Route 81 Box 137
Doe Run, MO 63637

Anthony Jones
P.O. Box 896
Fallbrook, CA 92028

Curt Lambert
Box 31 RR 3
Albion, IL 62806

Richard Lee Newbern
113 Foley Rd.
Brownsboro, AL 35741

Dave Tribble
950 Piedmont Ave.
Atlanta, GA 30309

John Hearty
12 Asasle Street
Glasgow
SCOTLAND G31 2UX

NATIONAL FOSSIL EXPO XI --REGISTRATION FORM

Please complete the form below, enclose a check payable to MAPS,
and mail to: Karl S. Zuekerjuergen, RR1 Box28A, West Point, Iowa 52656,
before March 24, 1989.

NAME: _____ PHONE NO: _____

ADDRESS: _____ CITY _____ STATE _____ ZIP _____

____ Yes, I will provide a display for EXPO. It will require _____ linear
feet of table. ---8ft maximum display.

____ I request (number) of 6ft tables for selling and swapping. Cost is
\$10.00 per table. 1/2 table is \$6.00. 4 tables maximum. Check \$ _____

____ Number of chairs I will need.

____ I request to be next to _____ for my sell/
swap table.

____ Will you help run EXPO?

Front desk--Fri _____ a.m. _____ p.m. _____ evening
Sat _____ a.m. _____ p.m.
Sun _____ a.m. _____ p.m.

____ Elevator -- Friday: 9-10, 10-11, 11-12, 12-1, 1-2, 2-3
Sunday: 11-12, 12-1, 1-2, 2-3

NO ONE EXCEPT THE GUARD IS ALLOWED ON THE FLOOR FOR ANY REASON AFTER HOURS!

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 \$10.00 per household. Institution or Library fee is \$25.00. Overseas fee is \$10.00 with Surface Mailing of DIGESTS OR \$25.00 with Air Mailing of DIGESTS.

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

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

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