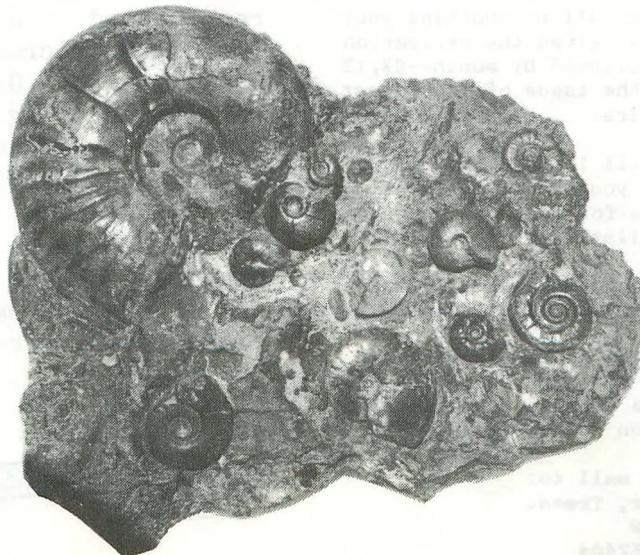
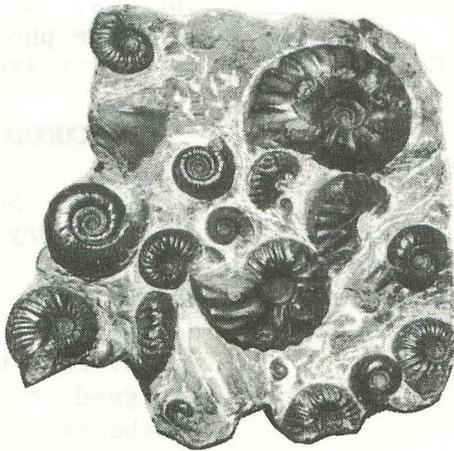


M.A.P.S. *Digest*

Official Publication of
Mid-America Paleontology Society

Volume 15 Number 9
December, 1992



MARK YOUR CALENDARS

12 DEC MAPS MEETING. Trowbridge Hall, University of Iowa, 123 N. Capital St., Iowa City, IA. The room number will be posted.

1:00 Board & General Meeting combined.

2:00 Program: Julia Golden, from the University of Iowa, will give a tour of the University repository, including the recently donated Gerk, Levorson, & Crossman collection, the Burgess Shale collection, and the Titanothera, a relative of the rhinoceros, discovered in the Oligocene of Wyoming by a collector from Clinton, IA.

9 JAN MAPS MEETING. Augustana College, Rock Island, IL.

1:00 Board & General Meeting combined.

Bill Hickerson, Augustana College, will present the program on unique specimens he has found.

16 APR 1993 MAPS NATIONAL FOSSIL EXPOSITION XV--EXTINCT ECHINODERMS

17

18

Fri., Apr. 16: 8am - 6pm
 Sat., Apr. 17: 8am - 5pm
 (Business meeting and auction following)
 Sun., Apr. 18: 8am - 3pm

ABOUT THE COVER

This month's cover depicts ammonites from the middle and lower Triassic. The upper specimens are from the Middle Triassic, Lovelock, Nevada; the lower specimens are from the Lower Triassic, Crittenden Springs, Nevada. Ed Noble, El Cajon, CA, sent the photos.

CONODONTS ADDED TO VERTEBRATES

from: *Science Magazine* (29 May 1992)
 via *Dry Dredgers*, Greg Hand, editor

After more than 130 years of debate, definitive evidence has finally been discovered that allows the conodonts to be assigned to the vertebrates--animals with backbones. The conodonts are a group of marine organisms that flourished for about 300 million years, ranging from Late Cambrian to Late Triassic. They are represented in the fossil record by toothlike microfossils (conodont elements) usually from 0.2 to 2 mm in dimension, rarely as long as 14 mm. They receive considerable attention because of their importance as biostratigraphic indicators in correlation of sedimentary sequences. Although first reported in 1856, the organism other than the conodont elements was unknown until fossils showing soft tissue shape were found in 1983.

*** 92/12 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--92/12 means 1992/Dec. 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 \$15 per U.S./Canadian household per year. Overseas members may choose the \$15 fee to receive the *Digest* by surface mail or a \$25 fee to receive it by air mail. Library/Institution fee is \$25.

Make checks payable to MAPS and mail to:
 Sharon Sonnleitner, Treas.
 4800 Sunset Dr. SW
 Cedar Rapids, IA 52404



A Conodont Animal (Reconstruction)

EXPO XV--EXTINCT ECHINODERMS

Extinct Echinoderms is the theme for the 1993 MAPS EXPO, which will run April 16-18. **Dr. Thomas Broadhead**, University of Tennessee, will present the keynote address on Primitive Stalked Echinoderms on Friday night. He will also present a seminar on Sunday morning; he asks that participants bring specimens of primitive stalked echinoderms for discussion at the workshop.

Maggie Kahrs is the editor for the special edition of the MAPS **Digest** and has been working on securing articles for that issue. If you would like to contribute, please contact her.

Registration and other important EXPO information will appear in the January issue.

TEACHER OF THE YEAR

At the November MAPS meeting Dr. William Hammer, Augustana College, announced that Dr. Richard Anderson, Augustana College, was presented with the Neil Minor Award by the National Association of Geology Teachers. The award, which is given to yearly to an outstanding college/university teacher, was announced at the Geological Society of America sectional meeting in Cincinnati, Ohio, in October.

MAPS DONATES TWO SCHOLARSHIPS TO PALEO SOCIETY

MAPS member John Catalani, Woodridge, Illinois, acted on behalf of MAPS to present two \$500 scholarships to the Paleontological Society at their meeting which was held in conjunction with the Geological Society of America meeting in October. The scholarships are awarded by the Paleo Society to graduate students to be used to further their studies. The money for the scholarships came from the proceeds of the auction at last year's EXPO.

Thanks to all of you who donated specimens and to those of you who purchased them.

FRANK CRANE, DALLAS, PASSES AWAY

Longtime fossil collector and MAPS member Frank Crane, Dallas, Texas, died November 21 of cancer. Frank was an enthusiastic and generous fossil collector. He, his wife, and son, Stephen--also a MAPS member--donated the Crane Collection to the Dallas Museum of Natural History. We extend our sincere sympathy to his family.

(Another Frank Crane, Austin, TX, is also a MAPS member.)

LETTER TO THE EDITOR

Every month I read the slogan, "A LOVE OF FOSSILS BRINGS US TOGETHER." Is that true? Or is it a belief in evolutionary theory that brings us together? I joined your society a year and a half ago purely because of my love of fossils. There are other avenues to carry on the creation/evolution debate. I would not ask you to drop your references to geologic time periods or your personal faith in evolutionary theory. But the editorial, "Confessions of a Cynodont," is pure propaganda, based entirely on a very obvious logical fallacy, and has no place in the publication of a group centered around a love of fossils. I beg you in the future to keep your publication free from this type of propaganda; or else to be honest and tell me up front there's no room in your society for a creationist like me, and come up with a more honest slogan for your Digest. Please print this if you are able to.

Thanks for listening,
Mark R. Porinsky

ed. note: Thanks for bringing to our attention the fact that we do have members with various beliefs. It is not our intention to argue the correctness of either theory for the origin of man. In the future we will attempt to separate opinions from the presentation of findings.

LETTERS TO: "HOW DOES YOUR FOSSIL CLUB OPERATE?"
by David Peters, 1208 DuBois Ct., St. Louis, MO 63122-5518

In the January issue of MAPS Digest (vol. 15, no. 1), I posed 14 specific questions under the umbrella headline, "How does your fossil club operate?". I received responses from the following MAPS members, all of whom I have thanked personally and now wish to do so publicly for their generosity in sharing both their time and information with us:

Diane Morgan--Reno Gem & Mineral Soc.
 (RENO)

Terry W. Roe--Dallas Paleo Soc., (DALL)

Bob Hoffman--Buffalo Geol. Soc. (BUFF)

Tim Northcutt--Heart of Amer. Geo. Club,
 Kansas City (KC)

myself--Eastern MO Soc. for Paleo. (STL)

Now on to the 14 questions and responses (abbreviated):

1. Attracting Officers

RENO: Has problems. Same people year after year, no pay no perks.

DALL: Has always had someone run for offices and serve on committees. Officers can hold same office for 2 years max. No payment or privilege.

BUFF: Suggests identifying interested newcomers. Get them involved in cleanup and other duties, finally nominate them as officers. Look to univ. geo. classes, engineering firms with geo./geo. tech engineers, old science teachers and professors to be members/officers/Board members. Many officers/board members remain active for many years, but with a rotation of office (2 years at any level), with exception of show chairman and rec. secretary. No privileges or payment for officers.

KC: Officers sometimes elected in absentia.

STL: Officers elected in Nov. to 1-year term beginning in January. Same core group seems to hold office. No payment or perks. Board meetings are less frequent than regular meetings.

2. A Typical Meeting/Finding Speakers & Programs

RENO: Meet 1st Wed./mo. Opens with purchase of raffle tickets (3/\$1), then

business meeting, program, social time (coffee & tea are club furnished, volunteers bring in cookies), ends with raffle drawing. Prizes are donated or club-purchased. Speakers not paid. Speakers from: Bureau of Land Mgmt., Forest Service, Bureau of Mines, Nevada Hwy. Patrol, US Fish & Wildlife and Univ. Speakers Bureau. Once a year they hold demonstrations (club has a workshop with instructors and machinery) or they show newcomers where to collect rocks.

DALL: Meet 2nd Wed./mo. 7:30-10 PM. Many arrive at 7. Opens with short business meeting, then program given by local guest speaker (many from local univ.) or by a member. Some speakers are paid an honorarium.

BUFF: Meets 1st Fri./mo. Opens with introduction, door prize, announcements, a presentation. Finish with coffee hour. Business conducted at separate (1 week later) board meetings (all are welcome, few show up). \$50 cap for speakers, generally pay for 1 per year (plus annual banquet). This club has wider interest than just fossils, more topics to choose from. Nearby clubs provide speakers, recent trips are good subjects. Videos put people to sleep.

KC: Meets 3rd Fri./mo. Difficult getting speakers.

STL: Meets 2nd Fri./mo. 7:30-10 PM. Many arrive at 7 for social hour and "show and tell." Business and program same night. April is a pre-MAPS meeting. Speakers generally club members sharing their specialty. Videos on occasion. A creationist spoke once. Local archaeologist also a big hit. No pay for speakers.

3. Dues/Fees

RENO: \$15/year, \$25/couple, \$2.50/junior. Only members may sign up for classes. Must take two classes before allowed use of shop on "open house night." Class fees vary. Instructors are unpaid members.

DALL: \$25/year for active membership (incl: participation in Society business, voting priv. and holding

office), \$15/year for assoc. member.

BUFF: \$10/year, \$12/family. No(?) or no charge to?) junior members as they must be brought by adult. Dues do not quite cover annual postage, printing, insurance, hall rental, soft drinks (total cost/member: \$14). Balance from annual show. (see ques. #5).

KC: \$6/year.

STL: \$5/year, \$7.50/family.

4. Publications and Public Notices

RENO: Monthly newsletter, typed and photocopied(?) 8-page self-mailer. Incl: calendar, illus., minutes, message from pres., news, jokes, new member data, shop reports, news of the past, treas. report, officer's address, etc. PR person puts notice in local paper.

DALL: Monthly newsletter, typed and printed(?) Incl: book review, articles by members, illus., meeting info. calendar. This club has also published one vol. of Occasional Papers written by members. Working on Vol. 2.

BUFF: Monthly newsletter composed on computer, printed (200 copies, \$63). Mailed to arrive a week before general meeting. No listing in local papers. Advertises auctions and picnics in other local club's newsletters.

KC: Monthly newsletter--minutes, announce., short articles.

STL: Monthly meeting notice typed, photocopied letter plus envelope. Incl: minutes, program. Arrives week of meeting. Nothing in local papers usually. Occasional news or feature stories have attracted attention and a big turn-out.

5. Fund Raisers, Auctions and Spending Plans

RENO: Annual gem & min. show, 1500 attend, 17 dealers, 100 cases; held at conv. ctr. Members encouraged to buy club vests, pins, patches.

DALL: Annual auction, items donated and bid on by members. Suggestions for spending: Compiling and publishing a local fossil collecting guide; making a donation to a local museum or school science prog.; get a big-name speaker once a year (pay for fee, food and lodging).

BUFF: Silent auction raised less than

\$50 (club takes 10%). Live auction raised less than \$150 (club takes fifth specimen as a donation). Averages 60-80 people, good social event. Hosts annual show, cost: \$6000, revenues: \$6000+, table rates: \$55. Spending plans: Trips to Detroit Show, Pittsburgh museum, etc., several a year. Suggestions: Send a bus to MAPS, buy publications.

KC: Auctions generate a great deal of "hockey-like behavior" and some money.

STL: Auction generated many \$ and many new faces. Items donated by members.

6. Field Trips

RENO: Monthly, weather permitting. Chairman heads trip. May be a visit to a museum, rock collecting, or to someone's house.

DALL: Several a year, sometimes one/mo.

BUFF: 3-6 summer field trips, some members have contacts at local quarries. Club protected by a Federation \$4 million insurance policy. Suggestion: have more than one trip for kids, and publicize it in local papers.

KC: number not mentioned.

STL: One annual and half dozen other field trips to Missouri fossil sites.

7. Membership and Mailing Lists

RENO: Member/mail list not mentioned.

DALL: Mailing list over 200. Meetings average 50+.

BUFF: 200 members. Have membership form always available. Suggests mailing to local univ., sci. teachers (especially for annual show); trade newsletters with other state clubs, displays at local library, college; have members give talks to school kids.

KC: Tim is a member in 2 geo. clubs. 25-35% of members into paleo. 1/2 of mailing list usually attend.

STL: 55 families on list, Meetings ave. 40-70. 1 to 5 new members each mo. 100+ at some meetings following newspaper articles.

8. MAPS Membership Among Club Members

RENO: 2

DALL: Not sure, a couple at least

BUFF: about 3, Bob will attend this year.

KC: at least 1

STL: at least 13, not including the club's own membership.

9. Professional Paleontological Membership Among Members

RENO: none in paleo., many in mineral societies.

DALL: varies, but a few belong to other societies.

KC: not mentioned

STL: 4 (Soc. Vert. Paleo. and Paleo. Soc.)

10. Breadth of Expertise Among Members

All report varied expertise.

11. Juvenile Club Members

RENO: Age limits for classes only (machinery involved)

DALL: Only over age 16 may join. Younger people welcome with parents.

BUFF: Kid membership encouraged. No age limits. No kids on some field trips.

KC: info. not mentioned.

STL: no limit on membership.

12. Location/Rental

RENO: This club rents their own bldg. (at \$350/mo.) for monthly meetings, holiday parties and weekly classes. They own chairs, tables and equipment.

DALL: Meet at Dallas Museum of Nat. Hist. No payment.

BUFF: Affil. with Buffalo Museum of Science. Used to meet at Museum, now at a local church which has a kitchen and a good hall. Payment: \$10/night. No special insurance, just regular Federation policy. This club donated \$100 for church security system. Will probably donate for new tables soon.

KC: Meets at UMKC Geosciences bldg. Payment: one fine geo. specimen/year. Also meets at community center. Payment: \$25/night.

STL: Meets at geo. room at Univ. of MO-St. Louis. No payment required.

13. Library

RENO: Gem, mineral and fossil books. Library has "no waiting line" to use. No fee. 30 days loans.

DALL: No Society library.

BUFF: Club has old books at museum, but never use them. May auction them off or sell at show.

KC: Info not mentioned.

STL: Library seldom used. Kept in a locked cabinet in geo. room. Because of "lost" books, has refundable security deposit of \$35.

14. Making Meetings Exciting/Holidays

RENO: Keep business portion short. Have a variety of programs and raffle prizes. Sometimes music, skits. A lot of socializing. Christmas party includes installation of officers, rock related gift exchange (under \$10), an appearance by "Santa" and a meal.

DALL: Quality programs. Latest finds brought in to show others. A party at Christmas.

BUFF: Sept. picnic, Dec. pot luck and silent auction, Jan. Live auction, May annual banquet.

KC: Not mentioned.

STL: Steady stream of guests and new finds, including fossils, new books, scientific papers, etc. Annual potluck Christmas party hosted by member at home.

Addenda

DALL: elect officers who don't see their way of doing things as the only way. Get everyone involved.

BUFF: Best meetings are great speakers. Be friendly. Have short meetings, long coffee hours. Use good donuts! Greet people at the door. Have a door prize (one for members, one for guests). Announce guests, make them feel welcome. Ask them what they want and how to do it.

KC: Suggests club program directors correspond with each other to request speaking arrangements and program success stories. MAPS Directory might include a list of people willing to speak at clubs on specific topics.

STL: Suggest trying name tags--especially on officers to help identify the regulars for the guests.

Once again, I thank the four clubs who responded to this open letter. I'm sure other clubs will be inspired by the ideas presented here. For details or sample newsletters, I suggest you contact the individuals listed above by consulting your MAPS directory.

INTACT STEGOSAURUS FOUND IN COLORADOsource: *Newark Star-Ledger*

sent by: Stephen Tomchek, Neptune, NJ

A fully articulated skeleton of a stegosaurus was recently pulled from the ground near Canon City, Colorado. "This is a very, very rare skeleton because the bones are still joined together," said Dan Grenard, project manager of the Garden Park Fossil area. "It is fully articulated, and may be the best skeleton ever found. The skull is complete and intact, and the four spikes are still joined to the tail. Only the front feet were missing and we found them a short distance away," he said.

The dinosaur died near a riverbed about 140 million years ago, about 70 million years before the Rockies formed. It is about 8 feet high at the hips and about 25 feet long. Its skeleton weighed about 6,000 pounds.

Before removing the skeleton from the ground, scientists encased it in plaster, adding about 8,000 pounds to its weight. Technicians then attached a 150-foot cable and rigging to the skeleton, raised it out of the ground with a donated twin-rotor Chinook helicopter from nearby Fort Carson and carried it nearly a mile to a flatbed truck. It will be preserved either in Canon City or in Denver. The process will take about three years of intensive work.

LONGEST MASTODON FOOTPRINT TRACK

FOUND IN MICHIGAN PASTURE

source: *Chicago Tribune*

sent by Sylvia Konecny, Prescott, AZ

A pasture near Saline, Michigan, is the site of the longest continuous set of preserved mastodon tracks ever found, according to Daniel Fisher, a University of Michigan paleontologist. The line of more than 20 footprints stretches 75 yards. Most other tracks are only three to five steps long.

The track was made more than 11,000 years ago when a mastodon walked across an

ancient pond bottom composed of fairly firm sand covered by marl. The weight of the animal caused the mastodon to sink through the soft, mucky marl and leave depressions in the sand. When it lifted its feet, the suction pulled the marl back into the depressions, covering and protecting the footprints. Soil gradually filled the pond, leaving the footprints 2 to 3 feet below the current surface.

The circular footprints are about 20 inches across and resemble potholes. They rank among the clearest tracks ever found, even enabling researchers to tell where the mastodon stumbled on a log while walking. By analyzing the prints, researchers expect to gain insights into mastodon biology.

After analyzing the soil and the depth of the prints, Fisher believes that the animal weighed 5 to 6 tons. By comparing the size of the prints with measurements taken from mastodon skeletons, he estimates that the animal stood 9 to 10 feet high at the shoulder and was 12 to 15 feet long. The size indicates the animal was a fully grown male.

The mastodons died out about 10,000 years ago after roaming the continent for millions of years. Their disappearance coincided with the arrival of the first humans in North America. By getting more accurate measures of mastodon size, scientists will be better able to determine how long a group of people could live on mastodon meat. That information would enable them to better estimate whether the animals could have been hunted to extinction, as is proposed by one theory about their sudden disappearance.

The tracks were accidentally discovered when landowner Harry Brennan began digging to build a pond. He discovered some mastodon bones and notified authorities. Fisher came across the footprints while he was examining the bones, which were 50 to 200 years older than the tracks.

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.

BACK IN PRINT. A Pictorial Guide to Fossils by Gerald Case. Paperback. \$34.50 plus \$4.00 UPS shipping/handling.

Paleo Books & Prep. Supplies, PO Box 542, Hot Springs, SD 7747.

INSECT INCLUSION AMBER From the Dominican Republic. 35 Million Years Old (postpaid).

12 Fossil Packet...\$100

12 Smaller Fossils...\$75

12 Mini Fossils...\$50

12 Micro Fossils...\$30

12 La Toca Tubes (no insects)...\$20

12 Botanical...\$15

12 Turdite (insect fecal debris)...\$15

ALSO INSECT INCLUSION NECKLACES

RICHARD TREXLER

721 N.W. 14th Court

Miami, Florida 33125

Telephone (305) 649-9346

FOSSILS ON DISPLAY: Directory of Fossil Exhibits in North America. Includes University and museum exhibits. Listed are address, phone, hours, what they have, and "MUST SEE" items. Available only on IBM computer disk (specify 5 1/4, or 3 1/2); read and print only what you want. \$4.95.

Al Copley, 17 Leisure Drive, Kirksville, MO 63501

FOSSIL BOOKS and fossil collection, preparation and display supplies. Over 100 paleo titles-including many state collecting guides. Air tools, flexible shaft machine, etc. Retail only.

Catalog US \$2.00/Canada \$3.00. We ship only to US/Canadian addresses. **PALEO**

BOOKS & PREP SUPPLIES, P.O. Box 542MD, Hot Springs, SD 57747. Tel 605/745-5446.

VIDEOTAPE! THE BEST OF EXPO XIV! This 40 minute tape features more than 200 of our best 35mm close-up fossils slides taken at EXPO XIV transferred to videotape. Most fossils have names superimposed and run about 6-8 seconds each; music added. \$15.95.

Al Copley, 17 Leisure Drive, Kirksville, MO 63501.

FREE SUE

Dear Friends and Supporters of "SUE-T-REX,"

I am writing to ask your help once again in the ongoing battle to **SAVE SUE**, the world's finest Tyrannosaurus Rex. I am a personal friend of the Black Hills Institute and one of many that has tried to help gain the release of the dinosaur from the Federal government. As many of you know, the judicial system has not been helpful despite the international publicity and political pressure surrounding the case. President Bush has received over 6,000 letters and more than 20,000 people have signed petitions asking for the release of SUE, but not one letter has been answered and SUE remains locked in boxes at the South Dakota School of Mines.

I had the honor of speaking with Governor Clinton to discuss the plight of "SUE" and have received five letters from the President-elect regarding this issue. He and his staff are informed about the issues and have shown concern for the actions.

THE TIME IS RIGHT TO ASK FOR A PRESIDENTIAL PARDON TO RELEASE SUE IMMEDIATELY AND PUT AN END TO THE INJUSTICE IN SOUTH DAKOTA!!!

WE ALL SHARE A COMMON GOAL, TO FREE SUE FOR ALL THE WORLD TO SHARE HER SECRETS AND MARVEL AT THE WORLD'S LARGEST AND MOST COMPLETE TYRANNOSAURUS REX.

PLEASE WRITE OR FAX YOUR CONCERN TODAY TO PRESIDENT-ELECT BILL CLINTON AND HILLARY. TOGETHER WE WILL FREE SUE.

WRITE OR FAX TODAY:

**PRESIDENT-ELECT BILL CLINTON
P.O. BOX 615
LITTLE ROCK, AR 72203
FAX: 501-372-2292
PHONE: 501-372-1992**

Thank you for your concern.

Most sincerely,
Ms. Casey Carmody, A Friend of SUE
Seattle, WA 98104

Please ADD the Following NEW OR REJOINING MEMBERS to Your Directory:

- Melvin S. Ashwill. Retired teacher. May trade. Major interest paleo-
940 S.W. Dover Lane botany. Wants contact with paleontology field.
Madras OR 97741
503-475-2907
- Larry N. Bristol Major interest fossil preparation. Interested in
1104 Ridgecrest Road locating reliable sources of unprepared materials,
Johnson City TN 37604 particularly ammonites, trilobites, and crinoids.
- Colin M. Chidley Retired. Will trade.
P.O. Box 124 Merrylands, Sydney
New South Wales
AUSTRALIA 2160
02-688-3233
- Rodney M. Feldmann Professor. 1992 Pres. of Paleo. Soc.
Kent State University
Department of Geology
Kent OH 44242 216-672-2506
- Robert Haas
11051 Lesure Dr.
Sterling Heights MI 48312
- Michael J. Hill New at collecting (1992).
406 Byrd Rd
Morganton NC 28655
- Jim & Lace Honert
33911 Dobbin Huffsmith Rd.
Magnolia TX 77355
713-356-6230
- Roy Kohl Owner of retail store. MAPS member from 82-88.
1124 B St
Eureka CA 95501
- Robert Lyons Asst. Prof. of Biochem. (research). Will not trade.
248 Yorktown Dr. Interested in all paleo. Member of Delaware Valley
Ann Arbor MI 48105 Paleo. Soc., Phila.; friends of U. or Mich. Museum
313-663-1174 of Paleo., Ann Arbor. Wants contact with broader
group with common interests.
- Ken Olson
514 6th Avenue N
Lewistown MT 59457
406-538-5123
- Paleo. Research Inst Founded in 1932 by Gilbert Dennison Harris to house
Warren D. Allmon, Director his collections and to serve as abase for publish-
1259 Trumansburg Road ing his two monographic series, *Bulletins of Am.*
Ithaca NY 14850-1398 *Paleontology* and *Palaeontographica Americana*. Now
607-273-6623 houses one of the largest collections of inverte-
rates in N. Amer. and continues to produce high
quality paleo. publications.

Albert P. Prandi
1087 Plymouth St.
E. Bridgewater MA 02333
508-378-7081

Sales. Interested in all fossils. Wants to buy from collectors for business and add to collection.

April Rhodes-James
& Barry James
P.O. Box 3376
Santa Barbara CA 93130
805-682-2219

Paleontologist. Will trade--with query. Major interest vertebrate fossils. Has for trade a variety of vertebrate material.

Carla Stehr
8328 14th Ave NW
Seattle WA 98117
206-789-3189

Fisheria(?) Biologist. Not enough to trade at this time. Major interest invertebrata and fish. Has been interested in fossils since 1972.

Marc Stolzer
2510 Riverdell Way
Edison NJ 08817
908-985-7123

Clerk at Hanover Ins. Comp. Will trade. Major interests echinoderms, crustaceans, molluscs, trilobites, vertebrates, plant fossils. Has for trade shark teeth, belemnites, brachiopods exogyra, ostre. and other Cretaceous fossils from local sources. Wants to make friends with similar interests.

PLEASE NOTE THE FOLLOWING CHANGES OF ADDRESS OR CORRECTIONS:

Geoffrey Barrett
60 Riverwood Circle SE
CALGARY, ALBERTA 403-2279 1838
CANADA T2C 4A9

John Fagan
c/o All Hallows Institute
111 E. 164th St.
Bronx NY 10452
718-293-4545

Biogenesis
Roger Waterhouse
15255 Fremont Ave
Seattle WA 98133

Michael Fix
4620 Whisper Lake Dr.
Black Jack MO 63033-4307

David M. Cassel
7000 Soquel Dr. #351
Aptos CA 95003
(del phone)

Larry French
6306 N. Koerner Rd.
Peoria IL 61615-9528

Mr. & Mrs. Dan L. Cooper
5170 Dee Alva
Fairfield OH 45014
513-844-1535
(Collecting since 1976.)

Michael E. Ross
715 E. 22
Casper WY 82601

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 \$15.00 per household. Institution or Library fee is \$25.00. Overseas fee is \$15.00 with Surface Mailing of DIGESTS OR \$25.00 with Air Mailing of DIGESTS. (Payments other than those stated will be pro-rated.)

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 Bloomington, IN, Gem, Mineral, Fossil Show & Swap. A picnic is held the fourth weekend in July. November through April meetings are scheduled for 1 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.

President: Marvin Houg, 3330 44th St. N.E., Cedar Rapids, IA 52402
1st Vice President: Lyle Kugler, 612 8 E. 3rd St., Aledo, IL 61231
2nd Vice President: Allyn Adams, 612 W. 51st Street, Davenport, IA 52806
Secretary: Jo Ann Good, 404 So. West 11th St., Aledo, IL 61231
Treasurer: Sharon Sonnleitner, 4800 Sunset Dr. SW, Cedar Rapids, IA 52404
Membership: Tom Walsh, 501 East 19th Avenue, Coal Valley, IL 61240



CYATHOCRINITES

FIRST CLASS MAIL

MID-AMERICA PALEONTOLOGY SOCIETY

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

Dated Material - Meeting Notice