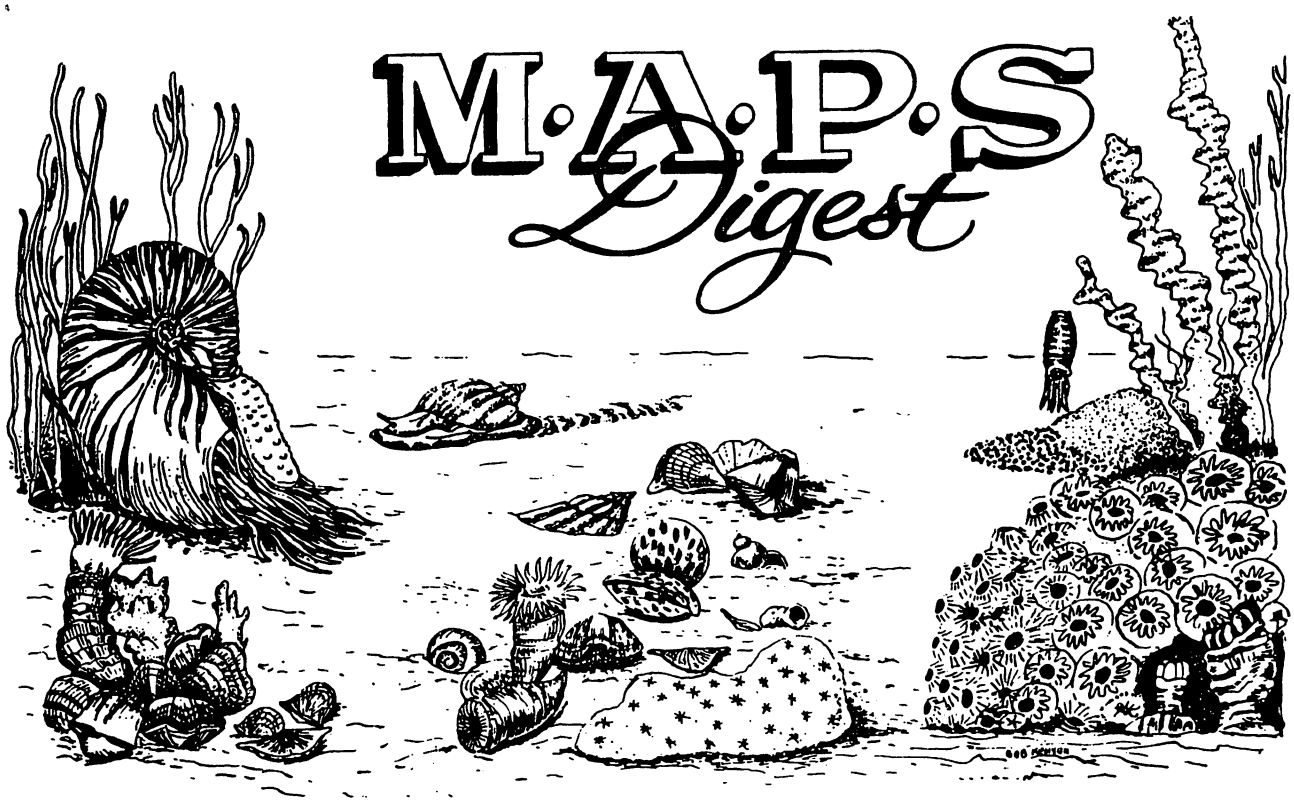
VOLUME 8

M·A·P·S Digest

NUMBER 4



Official Publication of
Mid-America Paleontology Society

April, 1985

BEGINNING TO TINGLE? -- IT'S FOSSIL FEVER

1. SWAP TABLES: 103 spoken for so far. Have you reserved one yet?

2. DISPLAY CASES: 112' Reserved. EXPO would not be EXPO without those unbelievable displays. Pack your favorite treasurers. Thank you for a very special gift!

3. BANQUET TICKETS: 47 as we go to press. Reservations must be in before one arrives at EXPO. Contact Bob Durnall, Box 177, Reynolds, IL 61279. Good food, good friends, good conversation. No interference from those sirens from ancient seas.

4. AUCTION: Pick a fossil to bring or send. It's what helps to keep the membership cost so reasonable. Thanks again.

5. SMILES: Bet no one needs to remind you of that. You're smiling already.

6. RACING SHOES: To get to friends and fossils faster. Sometimes friends are at the ice cream store--remember? (Purple shoes are acceptable, yellow laces?)

(please turn to page 2)

MARK YOUR CALENDAR

30 Mar -- MAPS April Meeting
IBEW Local 405 Hall, 1211 Wiley Blvd. S.W., Cedar Rapids, Iowa
1:00 p.m. Board Meeting
2:00 p.m. MAPS Meeting
(See page 2 for directions.)

5 Apr -- SOUTH CENTRAL REGIONAL
6, 7 Wichita Falls, Texas

19 Apr -- EXPO VII -- AT LAST!
20 Western Illinois University
21 Macomb, Illinois

25 May -- MAPS FIELD TRIP
26, 27 Information at EXPO

8 Oct -- MUNICH -- 10 days of fossil field trip

18 Oct -- MUNICH, W. GERMANY -- MUNICH SHOW
19 Bring your treasurers. No language
20 barrier--let the fossils speak.

25 Oct -- FOSSILMANIA III -- Austin Paleo. Soc.
26 GLEN ROSE, TEXAS -- (I made a booboo)
27 Enlarged and improved fossil site book. (Thanks, Emmette.)

11, 12, 13 APRIL 1986 -- EXPO VIII

"A LOVE OF FOSSILS BRINGS US TOGETHER"

MINUTES OF THE MEETING

President Marv Houg called to order the March meeting of MAPS at 2:00 p.m. at Augustana College, Rock Island, Illinois.

The minutes of the February meeting were read and approved.

Allyn Adams reported that February receipts were $2,190.84; expenses totalled $310.68 making a March 1 balance of $3,710.87. The report was approved as read.

Allyn Adams reported that to date reservations for EXPO have been received for 71 tables, 77 feet of display space, 33 banquet tickets, and twelve volunteers for the desk and the elevator. Reservations include persons representing 20 states, and Italy. All Union motel rooms are reserved.

Jeff Nekola reported that the May meeting of MAPS, a field trip, will be at the quarry at Buffalo, Illinois. Jeff also invited MAPS members to participate in a field trip with the Cedar Rapids Club on Sunday, March 10 at Monticello, Iowa.

The April MAPS meeting will be held in Cedar Rapids, Iowa, at 2:00 p.m., March 30, in conjunction with the Cedar Rapids show. A dinner will be served at the IBEW Union Hall at 6:00 p.m. MAPS members are invited to attend. Reservations should be made ahead with Marv Houg.

The business meeting was adjourned.

The speaker, Cathy Baker, is a graduate student at The University of Iowa, Iowa City. Her slide show presentation was CEPHALOPODA.

Respectfully submitted,
Peggy Wallace, Secretary

(⚱ ⚱ ⚱)

FOSSIL FEVER, Cont'd.

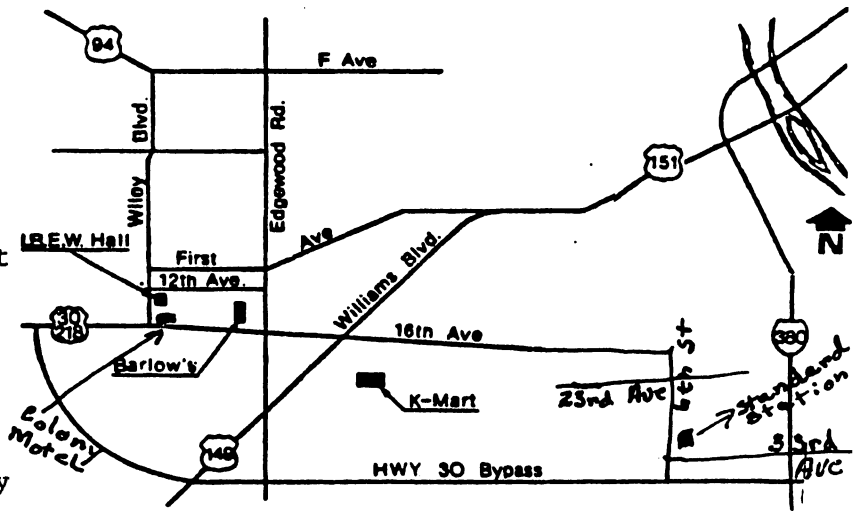
7. NAME TAGS: $2.85--Fred Farrar, Rt #2, Box 295, Poplar Bluff, MO 63901. They're special. It's easier when one can call you by name.

It's better'n any celebration anywhere. It's special!

EXPO VII, a balm for FOSSIL FEVER. Lasts about one year.

****
* *
* Know what? Last Digest if you *
* forgot your dues. Better check. *
* *
****

MAPS MEETING -- Cedar Rapids, March 30



BRUCE L. STINCHCOMB, 4236 Ringer Road, Mehlville Missouri 63129 -- In the March Digest article "Fossil Record of the Drifting Continents" mention is made of Cambrian rocks bearing Archeocyathids. The article states that Archeocyathids are a primitive sponge. Archeocyathids are not sponges, they have no spicules and anatomically are more not less complex than sponges. Archeocyathids are and have for the past 20 or so years been considered as representatives of an extinct, experimental Cambrian phylum. Strata of the Cambrian Period are full of organisms quite different from those of later periods of the Paleozoic era. Many Cambrian organisms, like the Archeocyathids, had body plans quite different from later organisms and became extinct before the end of the Cambrian or the Lower Ordovician (which in some ways is more akin to the Cambrian). To try to "squeeze" these Cambrian organisms into taxonomic categories based on living organisms like the sponges, only confuses and "muddys" the distinction between the Cambrian world and that of the oceans of today, two "worlds" which have little in common with each other.

(⚱ ⚱ ⚱)

The heart of man and the bottom of the sea are unfathomable.

Jewish Proverb

THE COPYRIGHT 1985 BY THE COMMONWEALTH OF KENTUCKY

Kentucky & Indiana (continued)

Plasmapora - mSil
Plasmophyllum - mSil
Platyaxum - mDev
Pleurodictyum - uSil,mDev
Prismatophyllum - mDev
Procteria - mDev
Protarea - m-uOrd
Protoheliolites - uOrd
**Protopora (K)- mMiss
Quepora - mSil
Rhabdocyclus - mSil
Rhabdotetradium - mOrd
Rhizphylloides - lSil-lDev
Rhizophyllum - mSil
Romingerella=Thecia - mSil
Saffordophyllum K - m-uOrd
**Scenophyllum - mDev
Schlotheimophyllum - mSil
Schoenophyllum - Miss
Romingeria - mSil-mDev
?Siphonophrentis - mDev
Skoliophyllum - mDev
Stereolasma - mDev
Streptelasma? - m-uOrd,mSil?
Striatopora - mSil,mDev
Strombodes(?) - mSil
Syringoporella I - Miss?
Thamnotychia - mDev
Thecia - mSil
**Triplophyllum - mDev
**Trochoplasma - lmMiss
Zaphrentis - mDev

Maine

Amplexiphyllum - lDev
Arcturia - Sil
Briantelasma - Sil-lDev
Astrocerium - Sil
Cystihalysites - Sil
Entelophyllum - Sil
Holmophyllum - Sil
Labyrinthites - m or uSil
*Lyrielasma - lDev
Kodonophyllum - Sil
Phaulactis - Sil
Propora - Sil
Ptychophyllum - Sil
Spongophylloides - Sil
Streptelasma? - Sil
Tryplasma - lDev
Xystriphyllum - uSil
Zaphrentis - lDev

Maryland

Cryptolichenaria - lOrd
*Embolophyllum - lDev
Rhabdotetradium - mOrd

Michigan

Antholites - mDev
Arachnophyllum - l-mSil
Argustastra - mDev
Asterobillingsa - l-mDev
Australophyllum - l-mDev
Aulocophyllum - mDev
Aulocystis - mDev
Bethanyphyllum - mDev
**Camptolithus - mSil
Comanaphyllum - mDev
Cystiphorolites - mSil
**?Dendrofavosites - mDev
Despasophyllum - mDev
Disphyllum - uDev
Egosiella - mSil
Emmonsia - mDev
Eridophyllum - mDev
Granulidictyum - l-mDev
Hallia - mDev
**Heterolasma - l or mSil
Hexismia - Sil
Iowaphyllum - mDev
Lambelasma - umOrd
?Lambeophyllum - mOrd
Michelinia - l-mDev
Multisolenia - Sil
**Pachyphragma - mDev
Paleocyclus - lSil
?Planalveolitella - mDev
Pleurodictyum - l-mDev
Prismatophyllum - mDev
Procteria - mDev
Protoheliolites - uOrd
Ptychophyllum - mDev
Pycnostylus - mSil
Romingeria - mDev
?Smithiphyllum - mDev
Streptelasma - mOrd
Tabulophyllum - mDev
Thamnotychia - mDev
Tortophyllum - mDev

Minnesota

Bighornia - uOrd
Crenulites - uOrd
**Lichenaria - mOrd

Mississippi

Vesiculophyllum - Miss

Missouri

**Bainbridgia - uSil
Beaumontia - Miss
Caninia - Miss

Missuori (continued)

Cleistopora - lMiss
Clinophyllum - lMiss
Comanaphyllum - mDev
**Conopoterium - uuDev or llMiss
Homalophyllites - lMiss
Lophoamplexus - Penn
*Meniscophyllum - Miss
Metriophyllum - ?Miss
?Microcyathus - Miss
Microcyclus - mDev
Neozaphrentis - Miss
*Pseudocryptophyllum - lMiss
Stereostylus - Penn
Sutherlandia - Miss
?Tabellaephyllum - Miss

Montana

Amplexocarina - Miss
Amplexus - Miss
Ankhelasma - mMiss
Aulostylus - lMiss
*Bradyphyllum - lPenn?
**Cambrophyllum - uCam
Cambrotrypa - mCam
Caninia - Miss
*Enygmophyllum - Miss
**Fasciculiamplexus - lPenn
Homalophyllites - lMiss
**Longiclara - uMiss
Pseudozaphrentoides - Miss
Vesiculophyllum - Miss
?Zaphriphyllum - mMiss

Nevada

Aphroidophyllum - lDev
Australophyllum - l-m?Dev
Bayhaium - lPerm
Bighornia - uOrd
**Breviphrentis - lDev
**Breviphyllum - lDev
Carlinastraea - lDev
Cyathophylloides - lSil
*Cyathophyllum - lDev
Denayphyllum - uSil
Disphyllum - uDev
Durhaminia - Penn-lPerm
**Eastonoides - lPerm
**Eoheritschoides - lPerm
Exilifrons - l-mPerm
?Haptolasma - uMiss
*Heintzella - Penn
Heritschoides - lPerm
**Kleopatrina - lPenn
**Kobeha - lDev
Lekanophyllum(?) - mDev
*Mucophyllum - lDev
Multithecopora - lPenn
*Moravophyllum - mDev
**Neomphyma - lDev
**Neosyringopora - lPerm
Nevadaphyllum - lDev
Orionastraea - lPerm
**Orthocyathus - mDev
**Paleogrypophyllum - lDev
*Papiliophyllum - lDev
Peripaedium - mDev
**Prohexagonaria - m or uSil
**Porfirierella - lPerm
Radiastraea - l-lmDev
Rhabdocyclus - lSil
Salairophyllum - lDev
?Smithiphyllum - lDev
Sociophyllum - mDev
Stereostylus - Penn
Stylopleura - lDev
Tabulophyllum - mDev
Taimyrophyllum - mDev
**?Tonkinaria - lDev
**Toquimaphyllum - mDev
Utaratuia - mDev
Vesiculophyllum - Miss
Zonodiagonophyllum - mDev

New Mexico

Acrocyathus - Miss
Amplexizaphrentis - uMiss
Calapoecia - uOrd
Caninia - Miss
Favistina - uOrd
Hapsiphyllum(?) - mMiss
Homalophyllites - lMiss
Lophophyllidium - Penn-Perm
Manipora - m-uOrd
Paleofavosites - uOrd-uSil
Paleophyllum - um-uOrd
Protochiscolithus - uOrd

New York

Acvinophyllum - l-mDev
Acrophyllym - mDev
Aemuliophyllum - mDev
?Ankisophyllum - lDev
?Amplexiphyllum - mDev
Astrocerium - mSil
Asterobillingsa - l-mDev
Aulocaulis - uDev
Aulocystis - mDev
Bethanyphyllum - mDev
Billingsaria - mOrd
Briantelasma - lDev
?Cannapora - lSil
Charactophyllum - uDev

New York (continued)

Cladochonus	- m-uDev
Cyathocylindricum	- 1-mDev
Cylindrophyllum	- 1-mDev
*Diplophyllum	- mSil
Disphyllum	- mDev
Edaphophyllum	- mDev
Elasmophyllum	- mDev
Emmonsia	- mDev
Enterolasma	- uSil-1Dev
Foerstephyllum	- uOrd
Grewingiphyllum	- mDev
?Lambeophyllum	- mOrd
Lamo tia	- mOrd
Lecfedites	- mDev
*Lopholasma	- mDev
Lyopora	- mOrd
Macgeea	- uDev
Metriophyllum	- m-uOrd
Pachyphyllum	- uDev
Pleurodictyum	- 1-mDev
**Polydilasma	- mSil
Phytopsis	- m-uOrd
**Pseudoblothrophyllum	- 1Dev
Rhizophyllum	- 1Sil-1Dev
Romingeria	- mDev
?Siphonophrentis	- mDev
Stereolasma	- mDev
**?Stewartophyllum	- mDev
Streptelasma	- mOrd
Striatopora	- mSil,mDev
Synaptophyllum	- mDev
Thamnotychia	- mDev
Xystriphyllum(?)	- 1-1mDev

Ohio

Acervularia(?)	- m-uSil
Acinophyllum	- 1-mDev
Aemuliophyllum	- mDev
Aulocophyllum	- mDev
Aulocystis	- mDev
Bucanophyllum	- mDev
Calostylis	- Sil
Cyathocylindricum(?)	- 1-mDev
Cylindrophyllum	- mDev
Emmonsia	- mDev
Eridophyllum	- mDev
Favistina(?)	- uOrd
Hadrophyllum	- 1-mDev
Hallia	- mDev
?Heterophrentis(?)	- mDev
*Holophragma	- 1-mSil
Lophoamplexus	- Penn
Lophophyllidium	- Penn
?Planalveolitella	- mDev
Procteria	- mDev
Protarea	- m-uOrd
Protoheliolites	- uOrd
Romingeria	- mDev
Saffordophyllum	- m-uOrd
?Siphonophrentis	- mDev
Skoliophyllum	- mDev

Oklahoma

Acaciapora	- 1Penn
Amplexocarina	- Penn
Anisophyllum	- uSil
**Capnophyllum	- uSil
Dibunophyllum	- ?Penn
Egosiella	- mSil
**Empodesma	- 1Penn
**Gymnophyllum	- mPenn
Leonardophyllum	- 1Penn
Lophoamplexus	- Penn-1Perm
Lophophyllidium	- 1Penn
Lophotichium	- 1Penn
Neokonickophyllum	- Penn
**Oliveria	- uSil
Palaeacis	- Miss
Parastriatoporella	- 1Penn
**Petalaxis	- 1Penn
*Petraia	- uSil
Phytopsis	- m-uOrd
Rhabdotetradium	- mOrd
Rhizophyllum	- 1Sil-1Dev
Sestrophophyllum	- Penn
Spongophylloides	- m-uSil
**Stereocorypha	- 1Penn
Stereostylus	- Penn
Sutherlandia	- Miss
Sutherlandinia	- uSil

Oregon

Dibunophyllum	- ?Penn
Heritschoides	- 1Perm
Lithostrotion(?)	- uMiss
Spongophylloides	- m-uSil

Pennsylvania

Paratetradium	- m-uOrd

Utah

Amplexus	- Midd
Ankhelasma	- mMiss
Barytichisma	- 1Penn
Bighornia	- uOrd
*Circophyllum	- ?Sil
Cystihalysites	- Sil

Utah (continued)

Duncanopora	- Penn
Ekvasophyllum	- mMiss
Faberophyllum	- mMiss
?Haplolasma	- uMiss
Paleocyclus	- lSil
Rhabdocyclus	- lSil
Turbophyllum	- mMiss

Vermont

Lamottia	- mOrd

Virginia

Acinophyllum	- mDev
Pleurosiphonella	- Miss
Pseudozaphrentis	- Miss
Rhabdotetradium	- mOrd

Tennessee

Amsdenoides	- uSil
Anisophyllum	- uSil
Astrocerium	- mSil
Barylasma	- l-mMiss
Baryphyllum	- mMiss
Billingsaria	- mOrd
Coenites	- m-uSil
Craterophyllum	- uSil
Cystihalysites	- uSil
Egosiella	- mSil
Enterolasma	- uSil-lDev
**Laccophyllum	- mSil
Palastaea	- uMiss
Paleoalveolites	- mOrd?
Paratetradium	- m-uOrd
Platyaxum	- uSil
*Pseudoplasmapora	- uSil
Pseudozaphrentis	- Miss
Rhabdotetradium	- mOrd
Rhizophyllum	- lSil-lDev
Saffordophyllum	- m-uOrd
Stelliporella	- Sil
Stortophyllum	- uSil
Thecia	- l-uSil

Texas

Amplexicarina	- Penn
Barytichisma	- lPenn
Bighornia	- uOrd
Calapoecia	- uOrd
Catenopora(?)	- uOrd
**Coccoseris	- uOrd
Crenulites	- uOrd
Cryptolichenaria	- lOrd
Cumminsia	- lPenn
Dibunophyllum	- ?Penn
Durhamina	- Penn-lPerm
**Empodesma	- lPenn
Konickophyllum	- Miss
Leonardophyllum	- uPenn-lPerm
Lophophyllidium	- Penn-Perm
Lophotichium	- lPerm
Manipora	- m-uOrd
?Mcleodea	- uOrd
Multithecopora	- lPenn
Neokonickophyllum	- Penn
Paleofavosites	- uOrd-uSil
Paleophyllum	- um-uOrd
Parastriatoporella	- lPenn
Pragnellia(?)	- uOrd
Protrochiscolithus	- uOrd
Saffordophyllum	- m-uOrd
Sestrophyllum	- Penn
Stereocorypha	- lPenn
Stereostylus	- Penn
**Thamnoporella	- mPenn
Timorophyllum	- uPerm
**Trabeculites	- uOrd
*Verbeekiella	- Perm
**Yabeiphyllum	- Penn-lPerm

Washington

Hexagonaria	- m-uDev
Hexaphyllia	- uMiss-lPenn
*Peneckiella	- mDev
Phillipsastraea	- mDev
Synaptophyllym	- mDev
Trapezophyllum	- mDev

Wisconsin

Acanthohalysites	- l-uSil
Coenites	- m-uSil
Dalmanophyllum	- mSil
Favistina	- mOrd
Lambelasma	- umOrd
?Lambeophyllum	- mOrd
Microplasma	- lSil
?Planalveolitella	- mDev
**Syringocolumna	- mSil

Wyoming

Amplexus	- Miss
Bighornia	- uOrd
Calapoecia	- uOrd
Duncanopora	- Penn

The author welcomes updates, corrections and deletions. Proof (i.e. photocopied page from a text) should accompany such changes.

REFERENCES

Hill, Doroth. 1981. TREATISE ON INVERTEBRATE PALEONTOLOGY, Part F, Coelenterata, Supplement 1. 762 p.

Oliver, WM. Al, Jr. 1976. "Noncystimorph Colonial Rugose Corals of the Onesquethaw and Lower Cazenovia Stages in New York and Adjacent Areas". U.S.G.S. Professional Paper 869. 156 p.

---- . 1976. Presidential Address: "Biogeography of Devonian Rugose Corals". J. Paleont. v. 50, no. 3, 365-373.

Sorouf, J. E. and W. A. Oliver, Jr. (Eds.). 1983. "Silurian and Devonian Corals and Stromotoporoids of New York". 4th International Symposium on Fossil Cnidaria. 180 p.

Stumm, Erwin C. 1965. "Silurian and Devonian Corals of the Falls of the Ohio:" Geol. Soc. America Mem. 93, 184 p.

(⚱ ⚱ ⚱)

FOSSIL DOOMSDAY IN NORTHERN CALIFORNIA

Oh No! Not Ono!

Shimmering heat waves outline the rock-strewn banks, the blue oaks, the tilting digger pines as we pick our way up a canyon of Northern California's Cottonwood Creek. Not even the rattlesnake, whose bailiwick this is supposed to be, would dare venture out in these temperatures!

We swelter to a stop just short of the melting point. Up a gully to our right squats a collector with his geologist's pick, intent upon something among the hot rocks.

We approach and discover we have been afforded a posterior view of the University of California's prestigeous Dr. 'Mike' Murphy, world traveler, writer, and authority on Cretaceous Ammonoids. He points out to us a strange looking shell where he has uncovered it in the rock.

A little farther upstream a trim figure of a man stands probing a "find" in the streambed. Dr. Peter Ward, brilliant young paleontologist, writer of articles familiar to readers of SCIENTIFIC AMERICAN, NATURAL HISTORY MAGAZINE etc takes "five". He mops his brow with a collecting bag and vents unscientific opinions about the heat. "Investigating cephalopods in New Caledonia is never like this!" he vows.

Several other figures outlined in the shimmering blanket can be seen similarly engaged, climbing embankments or hacking footholds in cliffs with their picks.

Among them is the "Lincolnesque" Dr. Hugh Wagner. Vertebrate Paleontologist, University of California. This is his first taste of the world of marine fossils and he is still ecstatic over his recent discovery of a huge ammonite which will some day undoubtedly grace the halls of the California Academy of Sciences fossil displays.

"There's nothing like a lucky find to help you beat the heat!" is his comment.

On up the creek we encounter an intense, gray-bearded scientist moving about quickly, apparently oblivious to the blazing sun. Dr. Peter Rodda, Chairman Geology at the Academy is director of this fossil salvage operation. It is at his behest that these distinguished scholars have gathered here in this furnace.

"Pete", we demand, "what in heaven's name requires bringing these men out here where they themselves would be loath to send a dessert burro?"

Pete doesn't smile. "The fact is, a dire emergency which might not seem important to the average layman, but to which these men respond as a fireman to his alarm."

"In its way it's a little like the spontaneous gathering of forces under Charles Martel at the battle of Tours when the fate of all Europe was threatened! But this gathering has more the aspect of a wake, because it faces almost certain doom. We are almost certainly witnessing the death of "Ono".

"Ono is a little hamlet west of here," Dr. Rodda goes on to explain. "Its name originated in some obscure gold-rush incident involving Chinese miners, but is immortalized in scientific names like Hypophyloceras onoense memorized from the literature of paleontology by scholars all over the world and derived from the fossils of Ono and this creek where we stand."

"The 'Ono' fossil beds are about to be flooded by a dam soon to be built by the Army Corps of Engineers. What's really happening is that this crew of concerned scientists is feverishly working here in the hundred-plus degree heat to conclude 'mopping up' operations marking a final farewell to the world's most important source of fossils from the ocean beds of early Cretaceous time."

"The banks and streambeds of these creeks near Ono have been, since gold-rush days, an awe-inspiring natural exhibit of life in the oceans of 100 million years ago. Strange cephalopods, many not occurring anywhere else in the world, have been found here. Vast beds of shells of all descriptions, petrified driftwood riddled with 'shipworm' burrows preserved exactly as on the ancient beaches and mud flats, pave the streambeds as the creeks rapidly wear their

way downwards layer-by-layer year-by-year, exposing these wonders of past ages like pages turned backward from the 'Great Book of the World'."

"These scientists, most of whom have first-hand familiarity with similar exposures all over the world, proclaim with one voice that this is the greatest of them all. They work grimly and dogedly in the knowledge that soon the lapping waters of the Corps of Engineers 'Cottonwood Creek Project' will obliterate these natural wonders, and the elequent intelligence issuing from this ancient record will be forever stilled."

History Strangely enough, pursuing the history of this fascinating area turned out to be almost as much an adventure as visiting it.

49ers, probing every nook and cranny of the state in search of the "yellow stuff" paused and wondered at the strange snail-like things that littered the gullies and branches of Cottonwood Creek. Even superstitions about them abounded.

One day in 1863 Dr. Trask, founder of the California Academy of Sciences, looked up from his desk to see a visitor standing there with something in his hand. A Mr. Bates, representative in the legislature from the Redding area, wanted to know what the strange snake-like rocks were people had been finding in his home territory.

Trask recognized the object the man held as a fossil ammonite (ancient extinct cephalopod). He named it Ammonites batesi (for Rep. Bates) and thus was named the first West Coast ammonite to be described in the literature of science. This fossil is still to be found weathering abundantly from "Ono" rocks.

After Trask's description was published this prolific fossil-producing area caught the imagination of paleontologists and for the 120 years since it has remained a basic study area for animals living in the ocean during the period roughly equivalent to that when the later dinosaurs roamed the land.

About the time of the "Bates" incident the state legislature was becoming aware that California was also rich in resources other than gold. It ordered a wide inventory to be made. Among the critical informative items to be studied were the fossils.

To conduct this study a paleontologist by the name of Gabb was brought in. It is interesting that in those days before photography the scientist had to double as an artist to produce the illustrations for his fossil descriptions. Gabb was such an ambi-talented man.

Today one of the proudest possessions of the State Librarian in Sacramento is a two-volume set bound in leather and gold-leaf containing Gabb's accounts and drawings of the fossils of California. Occasionally, he will almost reverently reveal these to the viewer.

As you might have guessed, a large number and the most spectacular of the molluscs turn out to be "Ono" fossils.

Through the intervening decades of well over a century many distinguished names from the history of palentology have lent their prestige and talent to the interpretation of this fossil legend. White, Stanton, Meek, Diller, Anderson, Matsumoto, the names read like an historical "Who's Who". Books and papers containing their research would fill a goodly shelf.

With No Future Yet, in a day like ours of vastly improved investigative techniques and interpretive skills, lessons learned from radio-active isotopes and Moon-rocks, from continental drift and great extinctions, no definitive study has been undertaken to re-interpret this unmatched record of the past. Now it is too late!

Year after year these waters continue to expose new information, some not before known from this exposure, some not before discovered in this hemisphere, some never before seen by man! Can it be that all this is now to be brought forever to an end by the inundating waters of the Corps of Engineers Cottonwood Creek project?

In the words of one of those sweating men working that day in the heat of the canyon, "What sense does it make that all this after all these years should be brought to naught by what to the Corps must seem just one more two-bit dam!"

Often we seem to become preoccupied with our prodigious power and potential for engineering feats to the exclusion of details, which if taken into account, can add up in the long-run to results more profound by far than the obvious heaps of dirt one can readily push up with the latest equipment..

A Glimmer? In recent days lack of funding seems to have brought the Cottonwood Creek Water Project to at least a temporary halt. Could it be all is not yet lost and the paleontologist's "wake" can be averted? It would be sheer cruelty to fan a hope that has no chance, yet a faint glow more than once has thus produced a brilliant light.

By the time you have tead this far, we naturally hope that Murphy, Wards, Wagners and Roddas will not be alone in responding "as to an alarm". It might be that the preservation of this priceless resource could still happen! But it would take a lot of the right kind of help.

The "right kind" is partly defined by the wrong kind. This is all private land. The owners have for decades been beseiged by poachers and

(concluded back page of DIGEST)

Overseas: LINDSAY & MARCELLA BERRY, M/S 223 Nobby Via Toowoomba, Queensland, AUSTRALIA 4360

Home: BOB DURNAL, Box 177, Reynolds, IL 61279

FRANK & RAELEE FRAZIER, 7995 E. Mississippi F-24, Denver, CO 80231

MARK GOOD, 2103 Kimball Circle, Virginia Beach, VA 23455

CHARLES ISBON, P.O. Box 77509, Oklahoma City, OK 73177

WILLIS HALL, 207 Andover St., Wilkes-Barre, PA 18702

KATHLEEN MORNER, 554 Bonnie Brae, River Forest, IL 60305

DON & HOLLIS O'NEILL, 16420 Edgemere, Pflugerville, TX 78660 -- Phone 512-251-2848

SHARON POWELL, 554 Bonnie Brae, River Forest, IL 60305

PLEASE NOTE CHANGES ABOVE TO BE ADDED TO YOUR MEMBERSHIP LIST FOR LATEST UPDATE

NEW MEMBERS TO UPDATE YOUR MEMBERSHIP DIRECTORY

STEVE L. ATKINSON 522 W. Washington St. Pontiac, IL 61764 815-842-2303	4/5/6 Elem. Teacher. Major interest in Fossils in General to be used in demonstrations and talks. Wants to gain knowledge about fossils
JEROLD C. BASTEDO S-5215 Orchard Avenue Hamburg, NY 14075 716-627-3481	Exploration Geologist (oil & gas) Will trade. Major interest invertebrate fossils of New York Wants to learn of collecting localities outside of New York state, to learn more about fossils and to make contact with other collectors
DWAYNE & JOANNE BOCK, 6432 Pacific Avenue Tacoma, WA 98408 206-474-0840	Trucking / Self empl. Clothing for Premature Babies Will trade. Major interest trilobites. Has trilobites (mostly Utah), Salmon Creek Coprolite, Grays Harbor Clay-balls of crabs, etc. Wants to make contacts with other fossil collectors & keep up with current information regarding fossils.
DON & MARGE BRAZDA 239 Oakland Grove Elmhurst, IL 60126 312-832-6629	Insurance / Registered Nurse. Maybe trade later. Major areas of interest spirifers, trilobites & Mazon Creek. Wants to learn more about recognizing & identifying stratigraphy. Know many people who are members of MAPS and wants to learn more, in general, about Paleontology
DONALD N. CLEMENTS 104 Sunset Avenue Atco, NJ 08004 609-768-2108	Color Separation Scanner Operator. Collecting 15 years, Will trade. Major interest locality sets, crabs. Has locality sets from Pennsylvania & New Jerse to South Carolina. Wants to receive the DIGEST for information and regularity of publication.
ERNEST M. DUMAS P.O. Box 656 Jupiter, FL 33468	Electronics. Major interest vertebrate Paleontology. Wants to receive the newsletter and expand knowledge

STEPHAN FELTON
5678 Biscayne Ave.
Cincinnati, OH 45211

. Will trade. Interested in Ordovician and Silurian fauna. I am presently working on gastropoda of the genus Cyclonema hall. I would like specimens of Cyclonema from Missouri, Iowa, Minnesota, Illinois, Tennesee, New York, New Jersey, Pennsylvania & Canada including Nova Scotia and Newfoundland. Local data is important. I could use collecting sites for this species.

RICHARD FOX
P.O. Box 373
State College, PA 16804
814-237-6560

Systems Engineer. Will not trade. Collecting 20 years. Major interest vertebrate Paleo, Leisy Shell Pit, Ruskin, FL; Black Hills, S, Dak; Permian deposits world wide; anything neat. Has the above to trade. Wants to establish contacts with people with the same interest, and to further relationships with Paleontology professionals and collectors.

CHARLES GAUS
Route 1, Box 70
Buckingham, IL 60917

BUDD HANSEN
3300 16th St.
Moline, IL 61265
309-764-8217

. Will trade. Interested in all fossils.

RICK & GAIL HEBDON
Warfield Fossil Quarries, Inc.
Box 316 - Highway 89
Thayne, WY 83127
307-883-2445

Fossil Collection, Preparation, Sales. Will trade. Major interest fossil fish, Green River Formation. Has Green River Fish--Knightia, Diplomystus, Mioplosus, Phareodus. Wants to be in touch with other fossil collectors.

GREGORY JENNINGS
20 East 70th Street
Cincinnati, OH 45216
513-761-4968

Engineer. Collecting 20 years. Will trade. Major interest Arthropods & Echinoderms. Has wide variety of fossils from the Cincinnati area for trade. Wants to become a part of MAPS interest in the study & collection of fossils from around the world.

RICHARD M. LIEBE
Dept. of Earth Science
State University College
Brockport, NY 14420
716-395-2603

Geology Professor (Paleontology) Collecting 20-25 years. Will trade on occasion. Major interest Paleozoic stratigraphy (conodonts major speciality) also coral reef ecology (recent work in Keys & Bahamas). Has Devonian megafossils (brachiopods, corals, mollusca, etc.) Enjoys the MAPS DIGEST. Helps to keep me posted on what is going on in other areas and subjects related to my special interests.

DON & SARA PARSONS
2808 Eden Lane
Rapid City, SD 57701
605-348-0937

Telephone Contractor. Will trade. Major interest Cephalopods, Gastropods & Scaphopods, collection, preparation & study. Building fossil collection of worldwide specimens Cambrian to recent. Has Late Cretaceous Mollusca of SD for trade. Wants to exchange data & specimens; improve relations between professional and collector.

DON & JEAN PEARSON
1119 Mt. Rushmore Rd.
Rapid City, SD 57701
605-348-6605

Owner Pet Hut & Badland Rock & Fossil Shop. Will trade. Major interest all fossils. Will trade or sell Badland fossils & marine fossils. Joining MAPS because of love and interest in fossils.

ELLICE L. PRASSE
104 4th Avenue
Forreston, IL 61030
815-938-3104

Retired. Will possibly trade. Interested in Illinois fossils. Has Colonial coral from Brown Co., IL. Joining because of interest in fossils. Even tho may not be able to attend meetings, the news letter is welcome.

PHILLIP E. & DEBORA S. REESE
716 No. 2nd East
Brigham City, UT 84302

JERRY RUSH
10237 Rt. 732
Camden, OH 45311

SHERRI WILCOX
404 Blue Reef
Hiawatha, IA 52233

Makes stuffed toys as a hobby. Beginning Collector. Interested in all fossils and coprolite.

R. SCOTT WILKINSON
P.O. Box 45
Curtis, NE 69025
308-367-4155

Banker. Will not trade. Major interest Paleontology, Archeology, Lapidary . Collector nor a trader. Wants to join MAPS because it sounds interesting.

DAN & KAREN ZIMMERMAN
1795 Vernon Place
Fairfield, OH 45014
513-829-8435

Roller Operator. Cashier. Will trade. Major interest trilobites, edrioasteroids, echinoderms, all fossils. Loves to trade. Has trilobites, echinoderms & Ordovician fossils from Cincinnati and many others. Wants to trade for common or rare fossils. Wants to meet people with similar interest and wants to trade.

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: January 1 through December 31 is $7.00 per household.

MAPS meetings are held on the 1st Saturday of each month (2nd Saturday if inclement weather). September, October, May, June and July meetings are scheduled field trips. The August meeting is in conjunction with the Bedford, Indiana Swap Sponsored by the In-Diana Society of Paleontology, the Indiana Chapter of MAPS. 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, and a second show in the Fall, Fossilmania, is sponsored by Austin Paleontological Society, a MAPS Affiliate.

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:	Karl Stuekerjuergen, Rt. 1, West Point, IA 52656
2nd Vice President:	Jeff Nekola, 800 25th St. N.E., Cedar Rapids, IA 52402
Secretary:	Peggy Wallace, 290 S. Grandview, Dubuque, IA 52001
Treasurer:	Allyn Adams, 612 W. 51st Street, Davenport, IA 52806

(3 3 3)

permission seekers to desperation. Consequently access by the most legitimate collectors is as tricky a business as anywhere in the world. A flood of groups or individuals wishing to assist in collecting would shut off access as surely as the waters of the inundating lake. Professionals seeking to help with this should contact Dr. Rodda.

The right kind of help would surely include pressures brought through contacts with persons of influence. Letters, calls, conversations particularly by persons or organizations of influence. Enough pressure has already been brought to force funding of the salvage effort. It will take much more to bring about the preservation of the area.

For further information contact: Dr. Peter U. Rodda, Chairman Geology, California Academy of Sciences, Golden Gate Park, San Francisco, CA 94118

This article was submitted by: Clarence Schuchman, 4812 "F" Parkway, Sacramento, CA 95823

CYATHOCRINITES

MID-AMERICA PALEONTOLOGY SOCIETY

Mrs. Madelynne M. Lillybeck
MAPS DIGEST Editor
1039 - 33rd St. Ct.
Moline, IL 61265

Dated Material - Meeting Notice

FIRST CLASS MAIL