

Florida Paleontological Society , Inc.

Newsletter



Volume 7 Number 2 Spring Quarter 1990

FLORIDA PALEONTOLOGICAL SOCIETY, INC.

OFFICERS

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Jacksonville, FL 32218
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Gainesville, FL 32611

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BOOK FUND: C. Jeremiah
SCIENTIFIC PUBLICATIONS: D. Jones
FINANCE: R. Portell, G. Hubbell, K. Schindler
NOMINATING: R. Brown, R. Robinson, P. Whisler
BYLAWS: P. Whisler, R. Robinson
HISTORIAN: B. Waller, C. Jeremiah, J. Robertson
HONORARY MEMBERSHIP
AND AWARDS: D. Webb, C. Jeremiah, B. MacFadden
MEMBERSHIP: A. Brown, P. Whisler
NEWSLETTER EDITORS: Dan Bryant, Linda Ivany
SCIENTIFIC EDITOR: Gary Morgan
FlamNH REPRESENTATIVE: Dr. Douglas Jones, Invert. Paleo.
RESIDENT AGENT: Dr. David Webb, Vert. Paleo.

HONORARY MEMBERS

Margaret C. Thomas, Joe Larned, Ben Waller

INFORMATION, MEMBERSHIP, AND PUBLICATION INFORMATION

ADDRESS: Secretary, Florida Paleontological Society, Inc.
Florida Museum of Natural History
University of Florida
Gainesville, Florida 32611

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FROM THE SECRETARY'S CORNER

The computer list for this society was reorganized this year and a great many of you received a new computer number. This number appears on the mailing label, along with a letter code indicating your type of membership, followed by the year through which your dues are paid.

In the spring newsletter we publish all the names of active, junior, institutional, and honorary members. This list is current through March 7, 1990. Subscribers may not appear on this list at their request.

We are getting quite a few bills from the post office for new or improper addresses. Please let us know when you change your address so that we can tell our computer.

If you have not received your membership card it should be enclosed in this issue of the newsletter. If your dues are not paid, you should find a renewal form. Please return this as soon as possible so that your name will not be purged from the mailing list.

HONORARY MEMBERS

LARNED, JOE

THOMAS, MARGARET C.

WALLER, BEN

INSTITUTION MEMBERSARCHBOLD BIOLOGICAL
STATION LIBRARY
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NATURAL HISTORY
US GEOLOGICAL SURVEY
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SERIALS DIVISIONSCHUBERTH, CHRIS J.
SAVANNAH SCIENCE MUSEUMACTIVE MEMBERS

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BRAYFIELD, LELIA
BRIDGES, DIANA C.
BRYAN, JON
BUTLER, JAMES D.
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HALL, CHARLES H.
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OWENS, DONALD W.
PENDERGRAFT, JAMES L.
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RAY, CLAYTON E.
RIEGEL, JEFFREY
SCHAFER, EDWIN T., SR.
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SIEGERT, DAVID O.
STACEY, ROGER B.
STEWART, WARREN
SWANSON, C. GAIL
THOMAS, ALICE L.
THOMAS, RUTH E.
TOOMEY, REED
VALADE, VICKY G.
WALKER, JEFF
WEBB, S. DAVID
WELDON, JACK B.
WILSON, ROXANE
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ALLEN, DR. HAYDEN P.
BALLARD, McCARY
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BRAYFIELD, MARY JANE
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BRYANT, DAN
CARDINALE, TOM
CHURCHILL, MRS. DAVONNA
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HAMMOND, CHARLES R.
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HOUSE, SHIRLEY F.
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KNIGHT, ANITA
LEE, CAY
LONG, RUSSELL J.
MACKIL, JOSEPH W.
MARAN, HARRY A.
MASTER, GEORGE
MILKOVITS, JOSEPH I. JR
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OBER, LEWIS D.
PALMER, RANDALL W.
PENDERGRAFT, SUSAN
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THOMAS, CRAIG B.
TILLIS, ROLLIN H.
TREACE, JAMES T.
VANCE, ROBERT R.
WALKUSKI, THOMAS
WEBER, ERIC PAUL
WHISLER, PHILLIP M.
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WORDEN, STIRLING I.

ALLMON, WARREN D.
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BLANCHARD, BETTY J.
BRIDELL, A.M.
BROWN, ANITA W.
BUCKNER, LORIN W.
CARTER, RICK
CHURCHWELL, KENNETH
CRISSINGER, DON
DICKSON, BETTY J.
ESTEVEZ, RALPH (TONY)
FOLMAR, LEE
FULDNER, DR. MANSFIELD C
GRABDA, DAVID W.
HARRIGAN, THOMAS G.
HEARD, JOHN K.
HOWARD, ANDREW S.
HYDE, JERRY J.
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KING, WILLIAM S.
KROMBACH, CAROLINE G.
LEE, GEORGE, JR.
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MILLER, MARY C.
MOSIER, CHARLES W.
OHLRICH, KARL
PARROTT, DEBRA ANN
PETERSON, GREGG
PRUSAK, ZACKARY A.
RHEIN, FRANK L.
ROBINSON, D.B.
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STEPHENS, SUSAN B.
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THAYER, BILL
THOMAS, GEORGE R.
TOOMEY, BARBARA K.
TREFETHEN, SUSAN
WAGNER, RON
WATSON, THOMAS C.
WEBSTER, JOYCE
WIERZBICKI, PAUL A
WOLFF, RONALD G.

ATWATER, DAVID H., JR.
BERGMANN, HENRY C.
BRAYFIELD, BILL
BRIDELL, MARY H.
BROWN, ROBIN C.
BUSCHMAN, KIB
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COOK, HAROLD A.
CUMMINGS, WILLIAM M.
DILLON, ANNE C.
ETHERIDGE, WANDA JOAN
FOWLER, MICKY
GARLETS, MARIAN L.
GRUBBS, JEFFREY L.
HARTENHOFF, LOUISE S.
HOFFMANN, WALTER
HOWE, NANCY
JENSEN, RUTH S.
KILROY, WILLIAM PAUL
KIRK, HOWARD F.
LATVIS, JOSEPH M.
LEWIS, SUE C.
LACORTE, GARY
MALLON, PAUL
MARION, GAIL E.
MATTHIESON, DIANA G.
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NEWBERRY, LESLIE A.
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PITTMAN, TONJA D.
RAUCH, GARY W.
RICHARD, GREGORY P.
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SHAW, CHRISTOPHER A.
SMITH, WESLEY
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SUNDIN, JACK A.
THAYER, LAURA
THOMAS, RICHARD
TOOMEY, JAMES K.
VALADE, JAMES A.
WALDROP, JOHN
WATTS, SUZAN
WEBSTER, WILLIAM
WILDER, MISS RUTH H.
WOLFOED, SUSAN

JUNIOR MEMBERS

AHERN, BRIAN P.
PROKOPI, ERIC
WEBSTER, BILLY

CALIGIURI, NIKI
RICHARDS, MASTER JAY B.
WHISLER, DEBBIE/MICHELE

MOSIER, JASON L.
THOMAS, ANTHONY SCOT

NEWMAN, JOSEPH
VICKERS, JENNIFER L.

MESSAGE FROM THE EDITORS

We wish to let everyone know that this is the second-to-last issue that we (the current editors) will be able to prepare! The June issue is our last. We will both be moving on to other things, namely Ph.D. programs at other graduate schools. So, in an effort to alleviate the last minute crunch, SOMEBODY PLEASE VOLUNTEER TO COMPILE THE SEPTEMBER ISSUE! Thanks!

MINUTES OF THE BOARD MEETING JANUARY 20, 1990

The meeting, which was held in the conference room of the Florida Museum of Natural History, was called to order by President Don Lorenzo at 1:00 P.M.

Board members present were Don Lorenzo, Don Crissinger, Phil Whisler, Rudi Johnson, Bob Marsh, Roger Portell, Kevin Schindler, and Anita Brown. Guests included Tony Estavez, Pete Kern, and David Webb.

Due to the lack of a quorum, it was determined that a copy of the minutes of this meeting would be circulated to the board members as provided under Article IV, Section 9(b).

Bob Marsh made a motion that the minutes of the last board meeting be approved as published in the newsletter, Volume 7, Number 1, Winter Quarter 1990. The motion was seconded and passed.

Bob Marsh made a motion that the treasurer's report be held in reserve. The motion was seconded and passed.

The secretary reported that a letter had been received from Monsanto giving a price increase for Butvar 76 which the society buys and resells at cost to the members. Roger Portell made a motion that the price charged should be raised to \$7.50 per pound post paid to reflect the increase from Monsanto. The motion was seconded and passed. Notice will be sent to the members in the next newsletter.

Don Lorenzo moved on to the published agenda. He spoke briefly about the proposed traveling exhibit sponsored by the society. He then opened the subject to the floor for discussion. The board members discussed various aspects of an exhibit which could be sponsored by this society with the following conclusions:

- 1) In addition to the standing committee of Bob Marsh, Clifford Jeremiah, and Pete Kern, the following members would be asked to participate in the planning: Phil Whisler, David Webb.
- 2) The type of audience would be designated.
- 3) Fossil materials which could be donated for the purpose of this display should be assembled or located.
- 4) Utilizing these materials, a display would be designed which would be paleontologically oriented and geologically accurate.
- 5) The following suggestions were made for inclusion:
 - a) partial skeletons and bone specimens

- b) slide series and/or films
 - c) graphics
 - d) locked cases
 - e) exhibit mounted in a permanent mobile unit or in secure, portable cases which would have lighting built in
- 6) Sub-committees should be set up to achieve the above items. Members will be invited to participate in the areas where they have expertise.
 - 7) One committee should be appointed to start locating the necessary funding for this type of exhibit.
 - 8) Help will be solicited from graduate students and faculty at the Florida Museum of Natural History and other members with artistic and scientific knowledge.

There followed a review of the various standing committees as listed on the inside of the front cover. After discussion on each committee, they were appointed as follows:

M. C. Thomas Book:	David Webb, Roger Portell, Kevin Schindler
Book Fund:	Clifford Jeremiah
Scientific Publications:	Douglas Jones
Finance:	Kevin Schindler, Roger Portell, Gordon Hubbell
Nominating:	Bob Marsh, Phil Whisler, Ray Robinson, Robin Brown
By-laws:	Phil Whisler, Ray Robinson
Historian:	Ben Waller, Clifford Jeremiah, Jesse (Bell) Robertson
Honorary Membership and Awards:	David Webb, Clifford Jeremiah, Bruce MacFadden
Membership:	Anita Brown, Phil Whisler
Exhibit:	Bob Marsh, Pete Kern, Clifford Jeremiah, Phil Whisler

The member listed first is the appointed chairman of each committee.

The next item on the agenda was a discussion of the need for revision of the by-laws. Phil Whisler, chairman of the committee, requested that members forward to him their suggestions for needed changes in the by-laws and the committee would take all suggestions under consideration for presentation at the annual meeting if such should prove to be needed. (All changes in the by-laws must be submitted to the membership in writing as set forth in Article X, Section 1 of the current by-laws.)

Rudi Johnson presented a comprehensive report on the spring meeting. A copy of this report is attached. Don Lorenzo complimented Ms. Johnson on her outstanding accomplishments as chairman of the Spring Meeting.

David Webb noted that the current by-laws set forth the method of election to honorary membership in the society. In the future, this process will be followed. Members will be directed

to read Article II, Section 5, to determine the method of election to this position.

It was determined that each board member should purchase and become acquainted with Robert's Rules of Order (latest edition) as a helpful tool in following the proper procedure at meetings. It was also determined, after discussion, that a parliamentarian would be appointed at the start of each meeting, the appointment to be terminated at the end of the meeting.

It was noted that a list of publications has been available from the secretary for approximately two years. This list or bibliography is in the process of revision and should be available in the near future. It was suggested that a board member could be recruited to be chairman in charge of a more comprehensive bibliography if so desired by the board.

There was no other business brought before the board. The meeting was adjourned at 3:20 P.M.

END OF MINUTES

FLORIDA PALEONTOLOGICAL SOCIETY
SPRING MEETING

APRIL 20 - 22, 1990, TAMPA, FLORIDA

Hosted by the TAMPA BAY FOSSIL CLUB and the UNIVERSITY OF SOUTH
FLORIDA GEOLOGY DEPARTMENT, Tampa, Florida

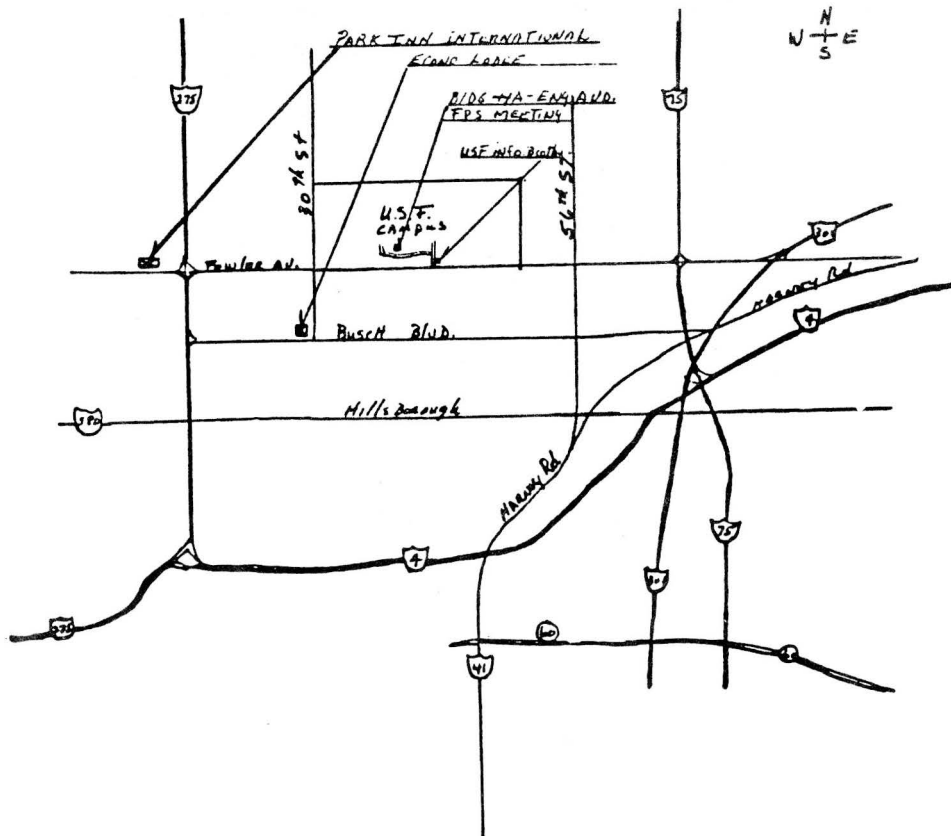
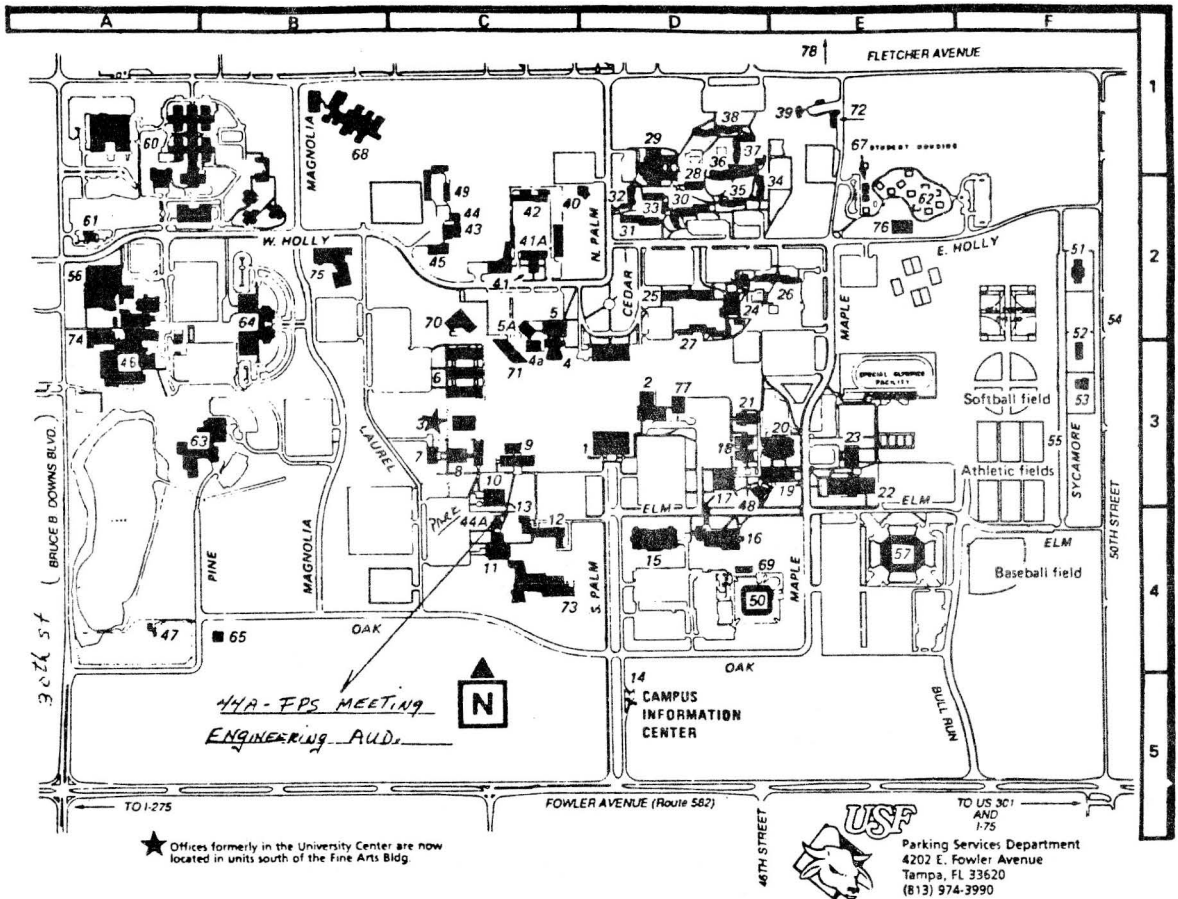
Friday, April 20

- | | |
|----------------|---|
| 1:00 P.M. | Early registration at USF Engineering Building Lobby |
| 1:00-5:00 P.M. | Open House at USF Geology Department, Science Center: paleontological labs, Pious Museum, posters and exhibits; student guides will be present |
| 5:00 P.M. | Dinner Break |
| 7:00 P.M. | Program - USF Engineering Bldg Auditorium
"INVERTEBRATE PALEONTOLOGY IN FLORIDA AND ELSEWHERE" Presentation and Slides by DR. WARREN ALLMON, DR. LISA ROBINS, and USF students |

Saturday, April 21

- | | |
|-----------|--|
| 8:00 A.M. | USF Engineering Bldg Auditorium
Registration, complimentary coffee and danish |
|-----------|--|

Welcome to the University of South Florida



- 9:00 A.M. Program - Leisey Shell Pit, Ruskin, Florida
Fossil display, slides.
Speakers: Frank Garcia, Dr. David Webb,
Gary Morgan
- 11:00 A.M. Business Meeting
- 11:30 A.M. Lunch Break
- 1:30 P.M. Field Trip - Leisey Shell Pit, Ruskin Florida
(FPS members only, please)
- 6:30 P.M. Social - Park Inn International, Garden/Pool
Area
- 7:00 P.M. Banquet and Presentation Ceremony
Ballroom

Sunday, April 22

- 9:00 A.M. - 1:00 P.M.
FIELD TRIP: APAC Shell Pit, Sarasota, FL
Field Guide: Dr. Warren Allmon (inverts)
(closed to public - FPS and TBFC members only
please)

MOTELS CLOSE TO USF - BANQUET - FOR SPRING MEETING

PARK INN INTERNATIONAL
210 East Fowler
Tampa, FL 33612
(813) 933-7275

This is where the banquet will be held. It is 5 minutes from USF and they have given us special rates. The building is brand new and they have non-smoking rooms. Complimentary continental breakfast is included with the price of the room. There is also a pool, garden area, and coffee shop.

Single:	\$42.00		
✓ Double:	\$46.00	(2 to 4 persons)	King's Mini-suits

ECONO LODGE
9202 North 30th Street
Tampa, FL 33612
(813) 935-7855

We have used this motel before, and they give us special rates. It is close to USF (about 3 minutes away), across the street from Busch Gardens. There is a pool and a 24 hr restaurant next door.

\$33.00 (1 to 4 persons)

****NOTE:** These special rates are only for this event and for members of FPS and TBFC and their guests. Rooms must be reserved well in advance and guaranteed with a deposit or credit card.

There are dozens of motels in the area. Most of them are priced very high this time of year, especially because of Busch Gardens. Otherwise the cheapest price available was \$54.00.

MUSEUM HAPPENINGS

VERTEBRATE PALEONTOLOGY

We are having a busy spring catching up with all the work we put off last fall! Recent digs include the Bird Dog Quarry (with a lot of help from Rick Carter, Frank Garcia, the Tampa Bay Fossil Club, and the Gardinier Corporation), and the Sloth Site. DAN BRYANT continues working on his thesis, and has been travelling to interview at prospective graduate schools, including University of California at Riverside, Southern Methodist University, University of Michigan, and Columbia University. Dan will be presenting a paper on his thesis research at the Southeast Section of the Geological Society of America meeting in Tuscaloosa, Alabama, from April 4-6. GARY MORGAN, ART POYER, AND RICHARD HULBERT continue their work on the fossil sites. DAVID LAMBERT has been studying fossil and recent otters, and along with DAVE WEBB, has been studying ivory microstructure of elephants in order to differentiate the sources of ivory in Paleoindian artifacts. BRUCE MACFADDEN remains on sabbatical at Cornell University; he reports excellent progress on his horse book and several new manuscripts, and he will be returning in May. RICHARD HULBERT has finished the first draft of the Plaster Jacket book, and manuscripts on the Leisey Equus and Tapirus, and the origin and diversification of Merychippus (with Bruce MacFadden). Richard is presently working on a monograph on Nannippus. GARY MORGAN is working on a study of the biogeography of Florida Pleistocene bats, including an interesting jaw from the Veronica Site donated by Steve Beck. We welcome JEREMY SETTY, a high school senior who has been working in the prep lab for the past year. Jeremy recently completed a school project entitled, "Predation and scavenging of cetaceans by Carcharodon megalodon," and wishes to pursue a career in paleontology beginning at the University of Florida. Finally, everybody is preparing for the difficult installation of a compactor system which will greatly increase our work and collection space.

INVERTEBRATE PALEONTOLOGY

Work continues in the field and the lab. DOUG JONES gave a seminar in February at the University of Montana, Bozeman, on using isotopes to interpret the paleoecology of fossil clams. He will be travelling to Harvard University and University of Rhode Island to present a similar seminar and to collaborate on new research. Doug is also busy finishing a paper with Dave Webb and Bruce MacFadden on the biochronology of the APAC shell pit. LINDA IVANY continues her thesis work and will be finishing in

RULEMAKING BEING SET FOR FOSSIL COLLECTING ON PUBLIC LANDS

On December 3, 4, & 5 the BLM called a conference in Boulder, CO to negotiate new rules for collecting fossils on public lands. Conference representatives included BLM, Forest Service, US Geological Survey, National Park Service, Utah State Geologist, Denver Museum curator, two paleontologists, two vertebrate paleontologists, two commercial collectors, and three amateurs. The amateur representatives invited were John Boland - AFMS Legislation, John Alf -RMF Public Lands Advisory, and Glenn Crossman -MAPS. BLM asked CDR Associates to act as facilitator to conduct the meeting and write the report.

The National Academy of Science committee published a report in June 1987 with ten recommendations to Federal agencies with land management responsibilities. This conference was called to help draft regulations which will take into account the interests and concerns of all those who would be effected. The ten NAS recommendations were in brief:

1. A UNIFORM NATIONAL POLICY SHOULD BE ADOPTED BY ALL FEDERAL AGENCIES.....
2. EACH STATE SHOULD ADOPT A UNIFORM POLICY FOR STATE-OWNED LAND.....
3. ALL PUBLIC LAND SHOULD BE OPEN TO FOSSIL COLLECTING FOR SCIENTIFIC PURPOSES.....EXCEPT FOR QUARRYING AND COMMERCIAL COLLECTING, NO PERMITS ARE REQUIRED TO SURFACE COLLECT WHEN USING HAND TOOLS.....
4. FOSSILS OF SCIENTIFIC SIGNIFICANCE SHOULD BE DEPOSITED IN INSTITUTIONS WHERE THERE ARE ESTABLISHED RESEARCH AND EDUCATIONAL PROGRAMS IN PALEONTOLOGY...
5. COMMERCIAL COLLECTING OF FOSSILS FROM PUBLIC LANDS SHOULD BE REGULATED TO MINIMIZE THE RISK OF LOSING FOSSILS AND DATA OF IMPORTANCE TO PALEONTOLOGY...
6. PRIVATE LANDOWNERS SHOULD FOLLOW THE GUIDELINESTHAT COMMERCIAL COLLECTING OF FOSSILS BE UNDERTAKEN WITH THOROUGH SCIENTIFIC OVERSIGHT...
7. BLANKET PALEONTOLOGICAL INVENTORIES...SHOULD NOT BE UNDERTAKEN ROUTINELY.....ON ALL PUBLIC LANDS....
8. LAND MANAGERS OR DEVELOPERS WHO REQUIRE SCIENTIFIC GUIDANCE SHOULD INITIALLY SEEK ADVISE FROM THE US GEOLOGICAL SURVEY.....
9. THE DEPARTMENT OF INTERIOR ..SHOULD ..ESTABLISH NATIONAL LANDMARKS..... (ON BOTH PUBLIC AND PRIVATE LANDS) TO PROTECT SCIENTIFICALLY IMPORTANT FOSSILS
10. THE PALEONTOLOGICAL SOCIETIES SHOULD ESTABLISH BROADLY BASED EDUCATIONAL PROGRAMSON RESEARCH NEEDS (THIS INCLUDES PROGRAMS WITH AMATEURS AND THE PUBLIC AT MEETINGS AND SHOWS)

For the conference, a large report was prepared to outline to the participants all of the support given by the amateurs to the professional paleontologists. It described the volunteer work by amateurs at museums, specimens given or loaned for study, and financial aid to graduate students annually. The federal agencies representatives were impressed at the extent of support supplied. A good communication link was established and a pledge of communication transfer each way, was given.

In the report it was noted that the AFMS was an umbrella organization for six federations with a membership of 50,250 members. Also of the 63 known fossil societies and study groups, 36 clubs were members of the AFMS. This is the largest amateur group with mineralogy and paleontological members in the US. That is important to the BLM, Forest Service, and other agencies. It was announced that these agencies will form an interagencies group to write uniform regulations.

The final draft of the regulations will be published by mid 1990 in the Federal Register and we must be ready to comment within 60 days. Additional information on the final form of the above 10 recommendations, will be discussed in future letters and when to comment at the time of the Federal Register publishing.

JOHN BOLAND, CHMN AFMS CONSERVATION/ LEGISLATION COMMITTEE

NOTE- FOUR 25 CENT STAMPS WOULD BE APPRECIATED TO COVER FUTURE MAILING COSTS

May. Linda has also been visiting prospective graduate schools for next fall, including University of California at Davis, University of Chicago, and Harvard University. She will be presenting a paper with DOUG JONES and ROGER PORTELL at the Southeast Geological Society of America meeting in Tuscaloosa, Alabama, April 4-6, on the paleoecology of an Eocene seagrass bed. ROGER PORTELL and KEVIN SCHINDLER have had many local collecting trips, and spent February 16-17 collecting with Ed Petuch and Jack Spengler in Palm Beach County. Roger and Kevin also plan to attend the Tuscaloosa meeting. Work continues on the computerization of the collection, and we are in the planning stages to make room for DR. DAVID DILCHER, a prominent paleobotanist who will join the museum faculty this summer. Planned collection rearrangements to make room for Dr. Dilcher will give IVP much-needed collection space.

CLUB NEWS

AQUAVENTURES UNLIMITED DIVE CLUB - P.O. Box 651055, Miami, FL 33265. Meetings are the first Thursday of each month at a volunteer's home, beginning at 8 p.m. Write for upcoming meeting places. A get-away weekend is planned for March 17-18 at Venice Beach.

ASTRONAUT SHELL CLUB OF BREVARD, INC. - P.O. Box 360515, Melbourne, FL 32936. Meetings are the fourth Wednesday of each month, 7:30 p.m., at the Church of Christ, Congregational, corner of US 1 and Strawbridge Ave., Melbourne. The next meeting is March 28; the program will be "What shelling has meant to us over the years" by Bill and Virginia Maneck.

BONE VALLEY FOSSIL SOCIETY - Ed Holman, 2704 Dixie Road, Lakeland, FL 33801. Meetings are the third Friday of each month at 8:00 p.m., at the North Lakeland Elementary School on Robson Street, just south of Interstate 4 on US 98. The society is dedicated to inform, educate, entertain, and promote an understanding of the paleontological past, with an emphasis on Florida.

FOSSIL CLUB OF MIAMI - 2620 SW 15th Street, Miami, FL 33145. Meetings are the first Tuesday of each month, 7:30 p.m., at the Museum of Science, 3280 S. Miami Ave., Miami. This is a new club and encourages your support!

MARCO ISLAND SHELL CLUB, INC. - P.O. Box 633, Marco Island, FL 33969. The next meeting is April 13 at 350 S. Barfield Drive, Marco, in the Fellowship Hall of the Wesley United Methodist Church. The program will be "Bay of Honduras," by Rob Masino.

TAMPA BAY FOSSIL CLUB - P.O. Box 290561, Tampa, FL 33687. Meetings are the first Wednesday of each month at the lecture hall at the University of South Florida, Tampa. The next meeting will be April 4, with a program by Bill Heym on sharks. The TBFC and U.S.F. will host the spring F.P.S. meeting in April (see the

TAMPA
BAY

FOSSIL CLUB

P.O. BOX 290561
TAMPA, FL 33687-0561

THE TAMPA BAY FOSSIL CLUB WILL HOLD ITS THIRD ANNUAL FOSSIL FAIR ON MAY 5 & 6, 1990 AT THE MUSEUM OF SCIENCE & INDUSTRY 4801 E. FOWLER AVE. TAMPA, FLORIDA.

FEATURED ACTIVITIES INCLUDE SETUP OF MANY VENDORS SELLING FOSSILS, MINERALS AND ASSOCIATED MATERIALS.

FOSSIL AUCTION ON SATURDAY AT 3:00 P.M.

KID'S FOSSIL MINE

KID'S "BAG A DINO" BOOTH

LECTURES _ SLIDES EXPERT SPEAKERS.

WORLD-CLASS FOSSIL DISPLAYS...MUSEUM AUDITORIUM SETUP WITH 50 OR MORE DISPLAYS, INCLUDING CASES OF FOSSIL DISPLAYS BY

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announcement in this newsletter), with upcoming field trips to the Gardinier Phosphate Mine (April 28) and to the Texas Gulf Phosphate Mine, Aurora, NC (also April 28).

TIME SIFTERS ARCHAEOLOGY SOCIETY - P.O. Box 25642, Southgate Station, Sarasota, FL 34277. The next general meeting is 7:30 P.M. on Tuesday, March 27, at the Sarasota VoTech, Building #5. Dr. William H. Marquardt of the Florida Museum of Natural History will be speaking on some of his work on the archaeology of southwest Florida.

RECENT PUBLICATIONS

In this section we attempt to compile recent publications of general interest to our membership. We hope this is a helpful service and we will make every effort to keep the membership informed. Most citations will be briefly annotated; others will have well-developed reviews. A bibliography, current through 1988, is available from the secretary.

BOOK REVIEW:

THE FOSSIL FACTORY: A KID'S GUIDE TO DIGGING UP DINOSAURS, EXPLORING EVOLUTION AND FINDING FOSSILS. By Niles, Gregory, and Douglas Eldredge. Addison-Wesley Publishing Co., 1989.

This utterly charming book conveys (in 111 pages) the essential concepts and methods of paleontology for kids. One should not judge its substance from the silly, scribbly appearance of the illustrations (averaging two per page), nor the light-hearted, punny, style of the text. In fact, this book offers a wealth of information (including 37 generic names) and the same set of concepts that one would expect from introductory paleontology in college. Instead of a heavy piece on geochronology and superposition, there is a section called "Which came first?" illustrated by a cartoon of a teenage couple "carbon dating". Gondwanaland and the history of plates are covered in two pages and tectonic mechanisms in one. There are even instructions for three home-made lab experiments: a "grave matter" (a taphonomic burial experiment); a "cast party"; and a "sedimental journey" (accumulating sedimentary strata in a jar).

You can see from these comments that this is not a cartoon book for little kids. The publishers gauge it for ages 7 to 12. It is the only fossil book for kids that really gets into concepts. It is perfect for those who have already learned all the names of the dinosaurs, but haven't much idea how you really "do" paleontology. The first thing they should do is to dig their own fossils in the field, and the second thing they should do is start reading this book. The two go hand in hand. And indeed this book has some hints about getting started on field work, and also about curation. (The verb "to curate" comes from the Latin word meaning "to take care of", and so the title of the curation chapter is quite properly "Taking care of your fossils".)

Niles Eldredge, invertebrate paleontologist at the American Museum of Natural History in New York, is best known for

Announcing the only modern work that combines theoretical detail with practical contemporary methodology...

Interpreting the Stratigraphic Record

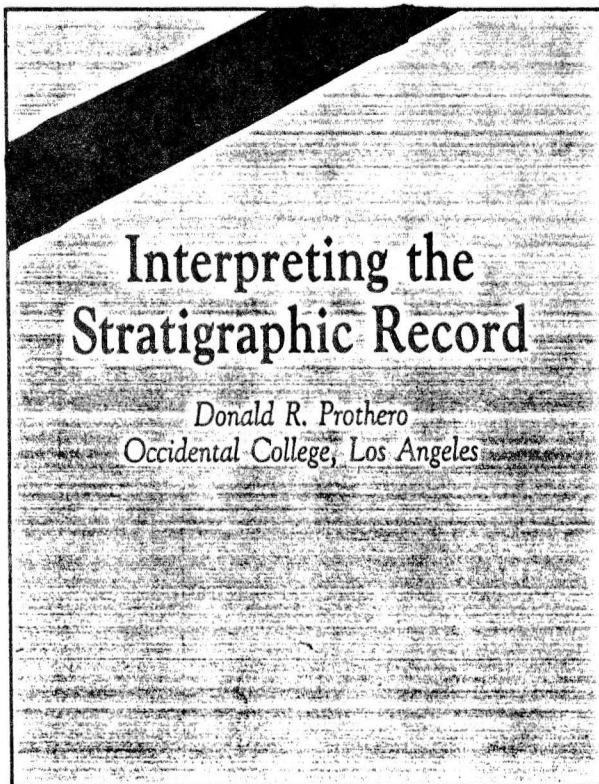
Donald R. Prothero
Occidental College, Los Angeles

Stratigraphic interpretation is an essential tool of modern geology that requires a sophisticated understanding of many recently developed fields. **Interpreting the Stratigraphic Record** incorporates these wide-ranging advances into a single, much-needed text blending theoretical stratigraphy with practical methodology.

Emphasizing the need to understand the theoretical basis for stratigraphic interpretation, this new work offers students unsurpassed coverage of:

- outcrop recognition and interpretation, showing many of the classic features of ancient depositional systems as they appear in the field, and keying actual photos to block diagrams of facies models.
- seismic, magnetic, and isotope stratigraphy—some of the most rapidly developing and important fields today.
- practical aspects of radiometric dating, emphasizing the strengths and weaknesses of each method.
- chronostratigraphy, detailing how the integration of different techniques is essential to correlation and the construction of timescales.

Additional discussions of depositional dynamics, transgression and regression, unconformities and stratigraphic completeness, and lithostratigraphic, biostratigraphic, and event correlation provide a solid theoretical grounding, while nearly 400 photographs and line drawings illustrate key concepts and practical methods.



Interpreting the Stratigraphic Record is a modern, balanced text for first courses in stratigraphy and sedimentology.

Contents

Part One: Introduction
The Concept of Geologic Time
Stratigraphic Data

Part Two: Depositional Systems
Nonmarine Environments
Coastal Environments
Clastic Marine and Pelagic Environments
Carbonate Environments

Part Three: The Rock Record
Lithostratigraphy
Lithologic Correlation
Stratigraphic Methods
Biostratigraphy
Geophysical and Geochemical Correlation
Geochronology
Chronostratigraphy
Tectonics and Sedimentation

Appendix A:
North American Stratigraphic Code (1983)

Appendix B:
Geologic Time Scale
Bibliography

Available November 1989, 500 pages, 399 illustrations (approx.)
0-7167-1854-5, \$49.95 hardbound
CIP 88-35587

Order from W. H. Freeman, 41 Madison Ave., New York, NY 10010

Now available from: Paleontological Society, Department of Geological Sciences,
University of Tennessee, Knoxville TN 37996-1410 USA. Price \$15 in US funds only,
payable to Paleontological Society. Overseas surface mail add \$2 per copy.

THE AGE OF DINOSAURS



SHORT COURSES IN PALEONTOLOGY

NUMBER 2

1989

edited by Kevin Padian

convened by Kevin Padian and Daniel J. Chure

Stephen J. Culver, Series Editor

A Publication of the Paleontological Society

proposing, along with Steve Gould at Harvard, the "punctuated equilibrium" mode of evolution. His two sons, Gregory and Douglas, obviously did much to lighten the tone and sharpen the concepts presented in "The Fossil Factory". Although the elder Eldredge's paleontological focus is on trilobites, only four of the 37 generic names mentioned in the text are trilobites; dinosaurs are the big winners, but many genera of other reptiles, mammals, and birds are also introduced. One almost suspects that the younger Eldredges are vertebrate paleontologists! There is an interesting one-page discussion of living fossils illustrated by cartoons of six examples: it is amusing to recall that just two years ago Niles Eldredge edited a very long book (with scholarly contributions by dozens of professional authors) to cover the same subject.

"The Fossil Factory" includes an index. It also offers, as Appendix 2, a list of fossil sites, one or two in every state. This is perhaps its least successful part. For Florida it offers fossil corals on Windley Key in the Miami Area. Mrs. Thomas' book, distributed by the FPS, gives much more detail in this as in several other subjects. One should really own both books.

This paperback sells for \$8.95 and is well worth having, even for adults. It is stimulating, accurate, thoughtful and above all, great fun.

S. David Webb,
Florida Museum,
Gainesville, Fl 32611

OTHER NEW BOOKS:

PALEOBIOLOGY OF THE DINOSAURS. 1989. J.O. Farlow, editor. Includes seven papers detailing several aspects of dinosaurian paleobiology, from functional morphology to feeding habits, by experts in the field. Special Paper 238, available from the Geological Society of America, 3300 Penrose Place, Boulder, Colorado 80301. Paperback, \$22.

THE AGE OF DINOSAURS. 1989. K. Padian, editor. This book is the published notes of a shortcourse on dinosaur paleontology, covering everything from Coelophysis to sauropods and taxonomy to extinction. An excellent synthesis with hundreds of references. See the insert at the end of this newsletter for ordering information.

INTERPRETING THE STRATIGRAPHIC RECORD. 1989. D. Prothero. An excellent introductory textbook for those interested in the rocks that fossils are found in. Includes sections on biostratigraphy. See the insert at the end of this newsletter for ordering information.

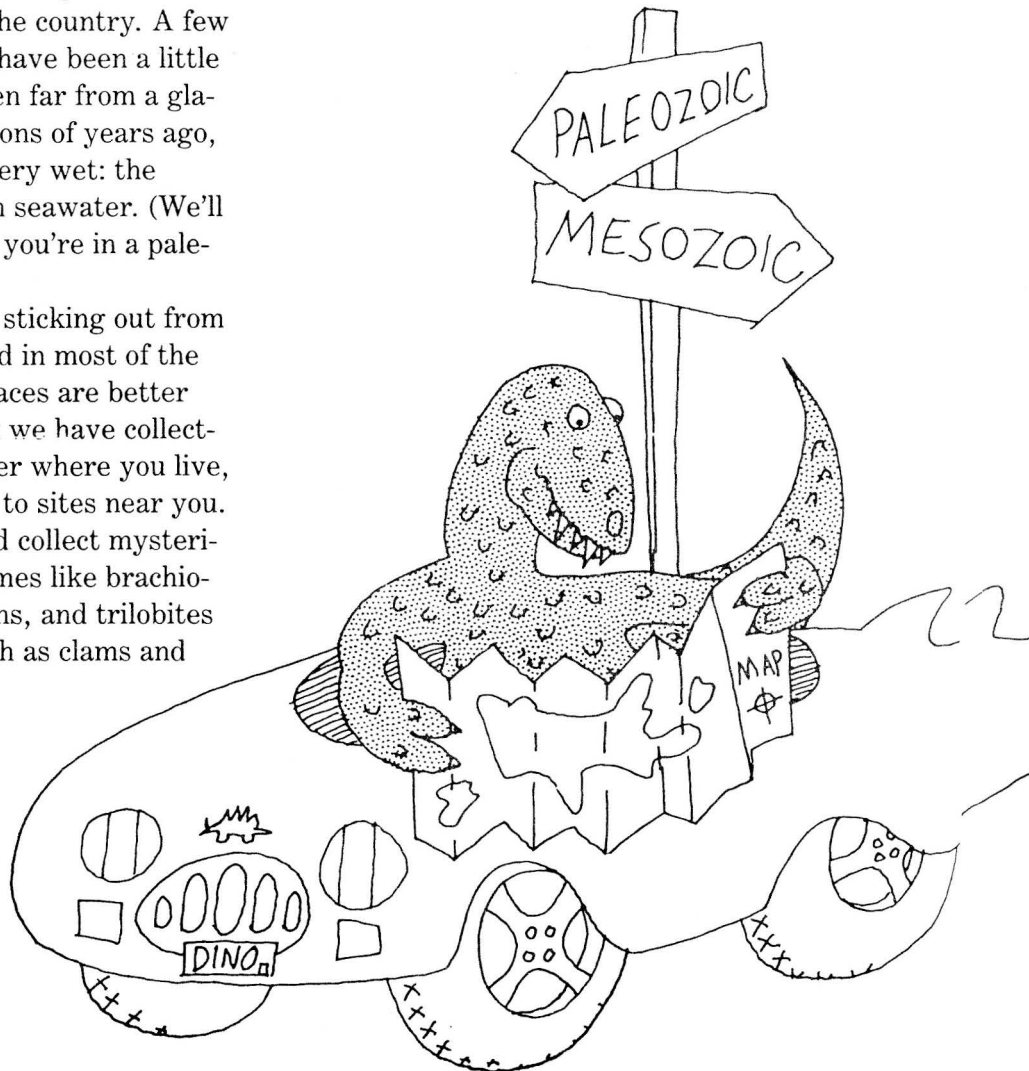
PLIOCENE MOLLUSCA OF SOUTHERN FLORIDA. 1953 (reprinted 1989). A. Olson and A. Harbison. This wonderful reference has finally been reprinted with hundreds of photos and almost 600 pages. Available from The Shell Museum, P.O. Box 1580, Sanibel, FL

Out in the Field

Here's how North America looks today from a paleontologist's point of view. As you can see, there are fossils to be found almost everywhere on the continent.

Imagine, for instance, that you're in Kansas, near the middle of the country. A few million years ago you might have been a little chilly: you wouldn't have been far from a glacier. A few hundreds of millions of years ago, your feet would have been very wet: the whole area was covered with seawater. (We'll explain this later.) But now, you're in a paleontologist's dream!

It's easy to find fossils sticking out from exposed rocks in Kansas, and in most of the rest of the country. Some places are better than others, but in this book we have collecting projects for you no matter where you live, as well as specific directions to sites near you. Almost anyone can catch and collect mysterious ancient animals with names like brachiopods, bryozoans, echinoderms, and trilobites (plus more familiar guys such as clams and snails).



33957. Hardbound, \$51 (Florida residents please add \$2.94 for state tax).

WONDERFUL LIFE. 1989. S.J. Gould. Dr. Gould turns the traditional view of the evolutionary tree upside down (literally) with his detailed discussion of the discovery and significance of the Cambrian-aged Burgess Shale fauna. This book made the New York Times best-seller list, and is fascinating reading for a person interested in paleontology, the history of life, and the scientific method. Available at your local bookstore, published by W.W. Norton. Price is \$18.95 (hardbound).

RECENT VERTEBRATE CARCASSES AND THEIR PALEOBIOLOGICAL IMPLICATIONS. 1927 (reprinted 1989). J. Weigelt. Have you ever wondered how bones are incorporated and preserved in the rock record? This is the study of taphonomy, and this book is the classic study of what happens to animals after they die. Translated to English for the first time. Available from University of Chicago Press, 5801 South Ellis Ave., Chicago, Illinois, 60637. \$17.95 (paperback) and \$39.95 (hardbound).

FROZEN FAUNA OF THE MAMMOTH STEPPE. 1989. R. Guthrie. Details the 1979 discovery of a well preserved, frozen Pleistocene bison mummy in an Alaskan gold mine. Guthrie details the cause of death, appearance in life, and the landscape it inhabited, using evidence from living animals, Paleolithic art, other frozen mummies, and geology. University of Chicago Press (see above). \$16.95 (paperback), \$40.00 (hardbound).

BULLETIN BOARD

1. Please notice from the minutes of the last board meeting (published here) that the price of Butvar-76 has been raised to \$7.50 per pound due to an increase in price from the suppliers, Monsanto Inc.
2. An editor will be needed to produce the September issue of this newsletter. If anyone wants to volunteer, write to Dan Bryant, c/o the Florida Paleontological Society.
3. Make your reservations ASAP for the spring meeting.
4. Please read the enclosed flier about rules for collecting fossils on public lands. An upcoming draft of the regulations will be available from John Boland, 2211 Valley Road, LaCrosse, WI 54601. Please include four 25-cent stamps for postage.
5. Enclosed is a list of all merchants who sell our books. Please support them whenever possible. They are doing a great service for your club.

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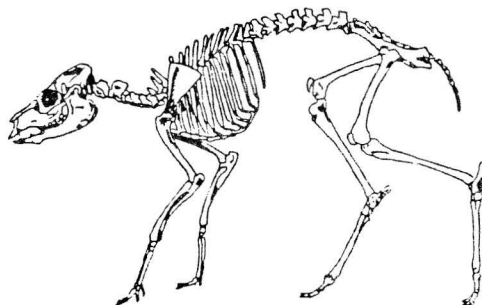
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THE PLASTER JACKET



A Publication of the
Florida Paleontological Society, Inc.
Florida State Museum, University of Florida
Gainesville, Florida 32611

HANDBOOK OF PALEO-PREPARATION TECHNIQUES



Howard H. Converse, Jr.

FLORIDA PALEONTOLOGICAL SOCIETY SPRING MEETING - APRIL 20-22, 1990

MEETING HEADQUARTERS: PARK INN INTERNATIONAL
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Tampa, Florida

REGISTRATION: UNIVERSITY OF SOUTH FLORIDA ENGINEERING BLDG. LOBBY
APRIL 20 - 1:00 - 5:00 P.M.
APRIL 21 - 8:00 - 11:00 A.M.

BANQUET: PARK INN INTERNATIONAL - BALLROOM
APRIL 21 - 7:00 P.M.
(Hospitality Hour: Garden/Pool Area - 6:30 P.M.)
(Cash Bar)

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April 21, 1:30 P.M.
APAC SHELL PIT, SARASOTA, FLORIDA, FPS & TBFC Members
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INFORMATION: RUDI JOHNSON - 813/839-2991
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IF YOU HAVE QUESTIONS, PLEASE CALL RUDI JOHNSON

FLORIDA PALEONTOLOGICAL SOCIETY, INC.

As stated in the Articles of Incorporation, "The purposes of this Corporation shall be to advance the Science of Paleontology, especially in Florida, to disseminate knowledge of this subject and to facilitate cooperation of all persons concerned with the history, stratigraphy, evolution, ecology, anatomy, and taxonomy of Florida's past fauna and flora. The Corporation shall also be concerned with the collection and preservation of Florida fossils." (Article III, Section 1).

CODE OF ETHICS

ARTICLE IX

- Section 1. Members of the Florida Paleontological Society, Inc., are expected to respect all private and public properties.
- Section 2. No member shall collect without appropriate permission on private or public properties.
- Section 3. Members should make a sincere effort to keep themselves informed of laws, regulations, and rules on collecting on private or public properties.
- Section 4. Members shall not use firearms, blasting equipment, or dredging apparatuses without appropriate licenses and permits.
- Section 5. Members shall dispose of litter properly.
- Section 6. Members shall report to proper state offices any seemingly important paleontological and archaeological sites.
- Section 7. Members shall respect and cooperate with field trip leaders or designated authorities in all collecting areas.
- Section 8. Members shall appreciate and protect our heritage of natural resources.
- Section 9. Members shall conduct themselves in a manner that best represents the Florida Paleontological Society, Inc.

ANNUAL DUES for the FPS are \$5.00 for Associate Membership (persons under age 18) and \$10.00 for Full Membership (persons over age 18) and Institutional Subscriptions. Persons interested in FPS membership need only send their names, addresses, and appropriate dues to the Secretary, Florida Paleontological Society, Inc., at the address inside the front cover. Please make checks payable to the FPS. Members receive a membership card, the FPS newsletter, the Papers in Florida Paleontology, and other random publications entitled to members.

NEWSLETTER POLICY: All worthy news items, art work, and photographs related to paleontology and various clubs in Florida are welcome. The editors reserve the right not to publish submissions and to edit those which are published. Please address submissions to the Editors, Florida Paleontological Society, Inc. Newsletter, at the address inside the front cover.