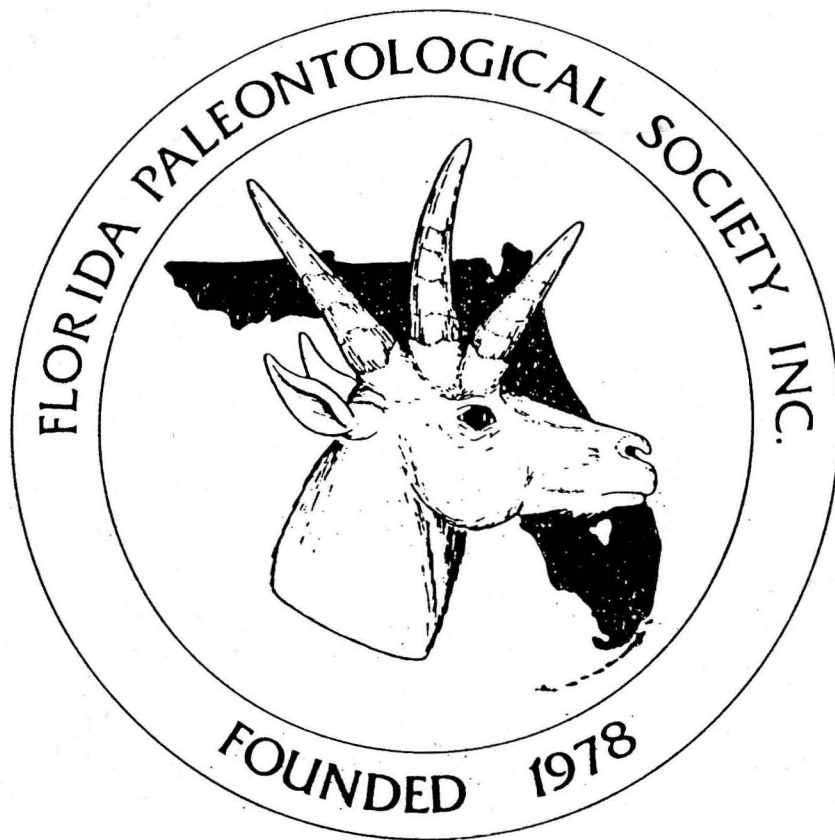


**Florida Paleontological Society, Inc.**

**Newsletter**



**Volume 4 Number 1 Spring Quarter 1987**

FLORIDA PALEONTOLOGICAL SOCIETY, INC.

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Leidy Centennial	Dr. S. David Webb, Robin C. Brown
Membership	Anita Brown

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### President's Message

The meeting at Gold Head Branch State Park on March 14 was very interesting and productive for those who attended. If you were unable to attend, you missed an opportunity to be informed not only of the Museum's position, but also of the collectors' positions on collecting and disposing of fossil material. The law that regulates us all certainly contains sections which need clarification and/or change, but it is still better than other state regulations such as the South Carolina law which requires monthly detail reporting under various licenses.

We still have the opportunity as private individuals and as FPS to provide input to the rules and interpretations of the Florida law. If you have ideas, you should send them to the Program of Vertebrate Paleontology, Florida State Museum, which will be developing a state wide plan for preservation of vertebrate paleontology resources.

The spring Meeting will be held June 6 at the University of Jacksonville, and should be of interest to all members as well as other paleontology groups and any groups of students concerned with Florida paleontology. Further details are in the newsletter.

We have an excellent new Editor of the Newsletter, Phil Whisler, but we can't expect him to spend all of his time gathering articles. It is up to you to send him information on your finds, whether you consider them important or not, and you won't have to detail the site location if you prefer not.

I would like to suggest that we have get-togethers throughout the year in addition to our regular tow meetings. One such meeting could be a one or two day weekend to be held in Daytona Beach and paleo people would be invited to see my collection and Roger Alexon's collection as well as visit the Daytona Museum of arts and Sciences. These could be informal gatherings rather than actual meetings and would allow us all to see what material is coming from the different parts of the state.

The FPS is a Society put together to bridge the gap between amateurs and professionals. What we should ask ourselves as amateurs is what we can do to help the professionals rather than expecting the professionals to have all the answers.

Don Serbousek

FLORIDA PALEONTOLOGICAL SOCIETY, INC.

Volume Four

Number One

Spring 1971

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## Letter from the Editor

FPS is now in it's ninth year. Since it's inception, the FSM staff has worked hard to keep FPS members informed about museum activities and news around the state. The FSM staff, for most of the past nine years, has taken upon themselves the responsibility of insuring that the FPS remained active and solvent. We are grateful to them for the many hours, days, and weeks that they have so graciously donated to the FPS.

Times are changing however. Florida has grown rapidly and with it so have the responsibilities of the staff of the FSM. This growth has created greater demands upon their time. There are now fewer and fewer hours available for museum personnel to donate to FPS.

Over the past year or two, more and more FPS duties have been absorbed by FPS members from around the state. This transfer of responsibility has been long over due. The new sharing of responsibility by both the amateurs and the professionals was not only necessary and inevitable, but desirable for without cooperation and input from both the FPS membership and FSM staff this newsletter could not exist.

Cooperation and input are keys to making the FPS strong, viable, and this newsletter informative and useful to it's readers. The editor and editorial staff of this newsletter are one and the same. One person can not a newsletter make. It is for this reason that I am asking each and every member of FPS and the FSM staff to actively participate in making this newsletter as informative as possible. In other words, SEND NEWS!!!! As editor, I do not make up the news. I only receive it and transfer it to you, the reader. Therefore, what you put into this newsletter is what you will get out of it. Your assistance in gathering news and forwarding it to me will be greatly appreciated.

The layout of this newsletter is designed to meet the needs and interests of most readers. Comments and suggestions are welcome. Proposed regular features will include;

1. FPS news
2. Museum news (hopefully, with your help, to include any museum in the state that has a fossil display or an interest in fossils)
3. Local club news and activities (any local club or group which is fossil oriented or which has within it a group interested in fossils)
4. Collectors around the state (highlighting individuals around the state who deserve recognition)
5. Natural Science courses offered in the state (send class schedules of your local university or college)

#### 6. Fossil and fossil related literature available

Your input and help in collecting news in the above areas is extremely important. Please actively participate by sending club news, lists of educational courses offered, information about fellow collectors, interesting fossil stories, art work, or any other item that maybe of interest to our readers. With just a little bit of effort from each of us the FPS and this newsletter can continue to grow and prosper.

Sincerely,  
Phil Whisler

#### FPS - FSM WORKSHOP

The joint workshop was held March 14th at the beautiful and peaceful Gold Head Branch State Park near Keystone Heights and was attended by nineteen dedicated and interested members of FPS and the FSM. The following summary of the days discussions was graciously submitted by Robin Brown.

Dr. Peter Bennett read a letter from Bill Smith of Lakeland and encouraged each workshop participant to offer their input and suggestions. He extended an invitation to all avocational paleontologists to help plan the new world class exhibit facility planned for the FSM. Dr. Bennett outlined the progress to date on the Exhibition Hall and stated it would be completed by 1992 in time for the 500th anniversary of Columbus' discovery of the New World. He plans a major Cenozoic fossil exhibit at the new facility and invites ideas from all who are interested in Florida's fossil heritage and he wants FPS members to be FSM members and receive museum news.

Dr. Bennett encourages the FPS to set up guidelines for a field associate recognition award for outstanding contributions to scientific paleontology by avocational paleontologists and he suggested a traveling exhibit of fossils loaned or donated by individual collectors or by children.

He suggested an "extension paleontologist" from the FSM to work with clubs and visit sites around the state. He also is setting up a resource survey to determine what's available in the state in the way of fossil resources, what people are interested in paleontology, availability of private collections, museum and nature center displays and the interests of visitors to the state.

He advised that the museum has no funds available for the purchase of

fossil finds and therefore restated the "no trade - no buy" policy of the FSM. At the present, the only possibility for a change in this policy would be if a future trust were implemented to provide for the purchase of unique specimens.

Dr. Bennett acknowledged that, at times in the past, loaned specimens were not returned and is tracing them with the intent of redress and he pledges that accurate records will be kept in the future to prevent a repetition.

He would like to set up more meetings and other activities involving the professional staff and avocational fossil collectors and he plans more news about amateur activities in the FSM Newsletter.

He requested suggestions from the workshop participants. Suggestions to Dr. Bennett included:

1. Outdoor exhibits. Particularly featuring a life-size Carcharodon megalodon.
2. Include a living exhibit of lab preparation of fossils so that the public can see how fossils are prepared and preserved.
3. Set up biological extension station(s) to recover specimen material from dead marine mammals such as beached whales and make accurate casts of these animals for future reproduction at the museum.
4. Design a meaningful and attractive shell exhibit because Florida is associated with shells in everyone's mind. Combine invertebrates with vertebrates in marine displays.
5. Offer one day workshops and fossil field trips for those who can't take off an entire week.

A total summary of the days discussions and recommendations from the workshops participants is as follows:

An "extension paleontologist" be established by the FSM. He would visit fossil clubs and give assistance, programs, and technical advice. He would also visit fossil sites, view individual finds, and generally act as liaison between the FSM and amateur paleontologists throughout the state.

A cooperative effort be undertaken with the FSM paleontologists to consider amending the fossil law. Invite the fossil clubs throughout the state to submit suggestions and participate in the joint discussion. One suggested change was that a licensed amateur be given life tenancy in important fossils found on state lands. The specimen would revert to the FSM only when he wished to donate it or at the time of his death.

Use the FPS newsletter to actively unify Florida fossil hunters.

Provide information on scientific publications, courses, workshops, lectures and field trips around the state. Publish bibliographies of articles on paleontology and arrange for interested members to receive publications of FSM paleontological staff, present member profiles and descriptions of members' finds and activities.

Work with the FSM in planning the future of paleontology in Florida. Set up a working session for this purpose and invite the participation of past FPS members as well as present.

As a broad policy, emphasize the importance of the preservation of fossils found in Florida. Such material is best preserved in a museum setting and the ultimate recipient of the avocational fossil hunter's scientifically important finds should be a museum.

#### SPRING MEETING ON JUNE 6TH AT THE UNIVERSITY OF JACKSONVILLE!!!!!!!

On Saturday, June 6, 1987, members and guests of the FPS are invited to an all-day FPS meeting on the beautiful Jacksonville University campus. The host committee of Jesse S. Robertson, Don Serbousek and Clifford Jeremiah have planned an exciting and informative program. The morning lecture session will include talks by Dr. Gordon Hubbell on prehistoric sharks, Don Serbousek on the American Mastodon and Gary Morgan on a fossil meat-eating whale from southwest Florida. The afternoon session will feature a tour of Dr. Clifford Jeremiah's casting and molding workshop on the St. Johns River. Anyone wishing to participate either with a lecture, with a fossil display, or for advance reservations should request time or space as soon as possible by contacting:

Dr. Jesse S. Robertson  
Dept. of Biology  
Jacksonville University  
Jacksonville, FL 32211  
(904) 744-3950 ext. 6390

This spring meeting will begin at 9 AM in the Nelms Science Building on the campus. If you approach the campus from I-95 South then turn north on University Boulevard. Parking is not restricted on Saturdays and is available adjacent to the Nelms Science Building.

Nominations of officers for 1987-1988 may be submitted by members to the Secretary. These nominations must be received no later than September 1st. Nominations will be voted upon at the Fall 1987 meeting.

Dues are due. As a matter of fact they are "over due". Please forward dues immediately to our Secretary, Anita Brown.



FLORIDA STATE MUSEUM Museum Road, University of Florida,  
Gainesville, FL 32611

The FSM is the museum of the University of Florida and of the State of Florida, with research emphasis on natural sciences and anthropology of Florida, the Caribbean Basin and South America. It is open every day except December 25, Monday through Saturday 9 a.m. to 5 p.m., Sundays and holidays 1 p.m. to 5 p.m.

DAN BRYANT, NEW FIELD LIAISON, by Roger Portell

Dan Bryant began collecting fossils at the age of 13 by picking up fossil shark teeth at the Venice beach. His hobby of collecting sea shells and fossils was shared by his family and together they traveled to Venice beach from their home in Lakeland. Dan and his stepfather soon began collecting fossils in the phosphate mines near Bartow. It was there that Dan met many other collectors such as Rick Carter, George Heslep, and Joe Larned.

The fossil hunting bug hooked Dan so much that he decided to become a Paleontologist. He is now a junior at the University of Florida in Gainesville and plans on graduating next year with a degree in geology. "My next goal is graduate school" said Bryant, who wants to study in some area of paleontology. Whether he will study vertebrates or invertebrates he has not decided but he definitely wants to concentrate on Florida fossils.

Dan has donated many important specimens to the museum, including dolphin skulls, bird bones, seal material, and several unusual invertebrates. He has been acknowledged in recent publications by Dr. Bruce MacFadden and Dr. David Webb.

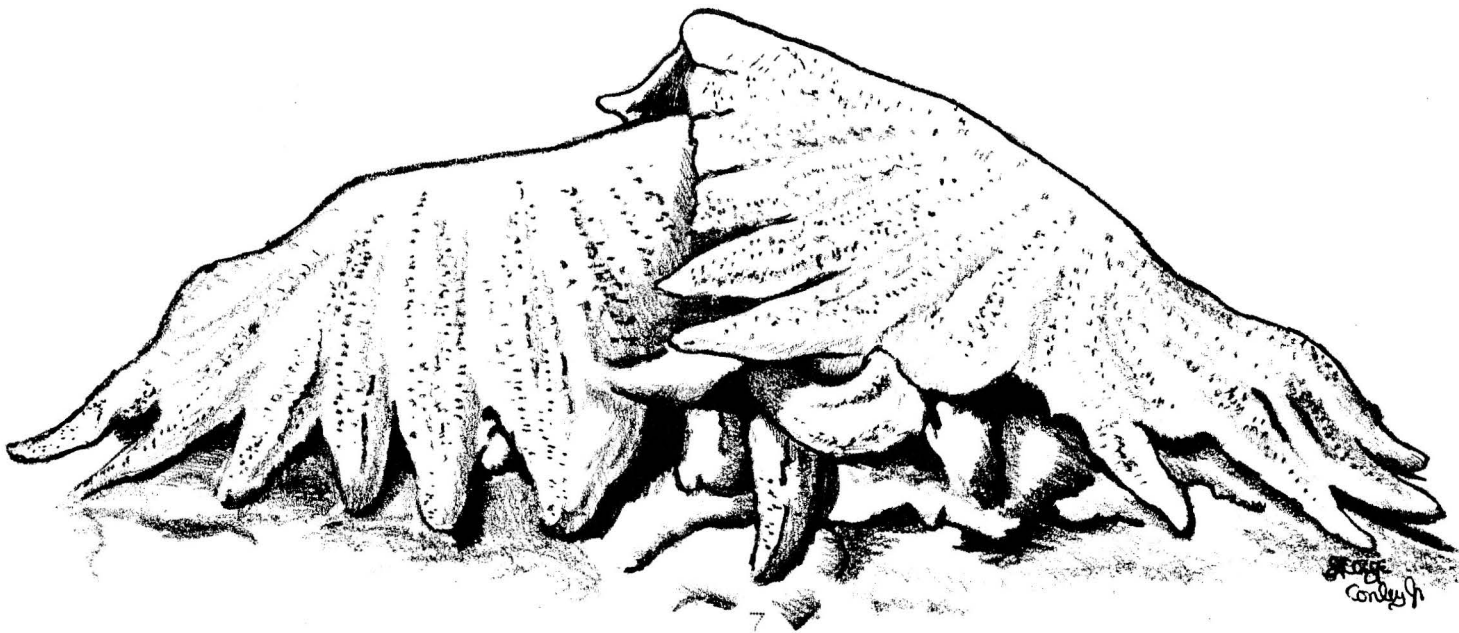
Dan will be working for the next several months for the Florida State Museum as the new Field Liaison. His position involves traveling around the state to visit collectors, attend fossil club meetings, and collect fossils. Dan recently attended a meeting of the Southwest Florida Fossil Club and plans to attend as many other fossil club meetings as possible. Dan was recently invited to collect with Jim Pendergraft and Susan King at one of their favorite sites and was very impressed by the successful weekend of collecting. On another recent trip with Rick Carter, Dan found several rare echinoids and a partial dugong skull from the phosphate mines and a rare Eocene crab from a limerock pit near Ocala. "I want to meet as many of the fossil collectors as possible. They are the backbone of Paleontology and vital to the science" said Bryant. "I invite anyone to write me in care of the museum with any questions, comments, or suggestions. I want to work closely with the collectors around the state to build Florida's paleontology.

FSM INVERTEBRATE COLLECTIONS

Dr. Douglas Jones and Roger Portell have been very busy working in the invertebrate lab and putting the finishing touches on the Heliaster paper. Roger has discovered that the Brayfield's fossil sea stars have crabs associated with them and this find becomes more exceptional and exciting all the time.

On March 27 Dr. Jones and Roger Portell attended the 51st Annual Meeting of the Florida Academy of Sciences at Rollins College in Winter Park. There at the symposium on the Geological Evolution of Peninsular Florida they presented their paper on "Fossil Multi-Rayed Starfish (Family Heliasteridae) from Southwest Florida". The abstract states:

Whole body asteroid fossils are rare in the geologic record and previously unreported from Cenozoic strata in Florida. However, a discovery of Multi-rayed sun stars, each bearing approximately 30 highly fused rays and a large central disc, was recently made in upper Pliocene deposits near El Jobean, Charlotte County, Florida. The specimens contain relatively undisturbed arrangements of ossicles and spines which along with the high number of fused rays facilitate identification as members of the Family Heliasteridae, a family heretofore unknown from the fossil record and today restricted to the eastern Pacific. The fossil material, which includes the remains of hundreds of individuals, is referred to the modern species, Heliaster microbrachius. In addition to representing the first fossil occurrence of the family, this find provides important paleobiogeographic information about the group and about Plio-Pleistocene extinction patterns following uplift of the Central American isthmus.



Recent FSM Invertebrate Paleontology Accessions (Roger Portell)

Phyllis and Harry Miller of Ocala donated a beautiful specimen of the fossil coral Goniopora calhounensis (UF9276) from the Chipola River and a specimen of the coral Oculina sp. (UF10047) from the St. Marks River.

William Patrick of Orlando donated a large section of a fossil tree trunk from the Bone Valley. The log weighed 563 pounds and is the largest piece of fossil wood housed at the museum.

Dr. R. T. Abbott of Melbourne donated 102 lots of fossil and recent molluscs from Bahia Blanca, Argentina. This material will add nicely to the FSM's growing collection of South American fossils.

Bill and Lelia Brayfield of El Jobean continue to collect and donate the fossil sea stars Heliaster microbrachius and a new fossil crab tentatively identified as belonging to the Family Dorippidae (UF10023-10045).

Jan and Robin Brown of Ft. Myers donated numerous photographs of fossil invertebrates which will appear in Robin's forthcoming book on Florida fossils. The book is scheduled for release in December. The Brown's also donated a perfect internal mold of the Eocene mollusc Architectonica (UF10046) from the Bushnell area.

Muriel Hunter of Tallahassee donated 33 lots of fossil invertebrates along with 2 small display cases.

James Pendergraft of Largo donated several more of the regular echinoids Gagara mossomi and another large fossil coral head (UF9199) from the Oligocene of Hernando County.

Susan King donated an unusual Rhyncholampus (echinoid) from the Hawthorn Formation of the Bone Valley.

Rick Carter of Lakeland donated several lots of invertebrates that he recently collected in the Bone Valley.

FSM VERTEBRATE PALEONTOLOGY (Dr. Bruce MacFadden & Dr. S. David Webb)

The FSM has recently received notification from the National Science Foundation that they have extended, for two years, the museums grant for curating, cataloguing, and renovations to the microfaunal processing of vertebrate paleontology collections.

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 \*  
 \* In early April, Richard Hulbert successfully defended his \*  
 \* dissertation on Miocene - Pliocene fossil horses from Florida \*  
 \* and the Gulf Coastal Plains extending into Texas. The almost \*  
 \* 600 page dissertation culminates six years of intensive \*  
 \* research on this topic and the entire committee was extremely \*  
 \* impressed by the defense. As a result, his PhD. will be \*  
 \* awarded in May. Congratulations Richard !!!!! \*  
 \* \*  
 \*\*\*\*\*

Dr. S. David Webb was in London March 22-27 to give a paper on Phylogeny of Edentates at the Linnean Society of London's Symposium on Phylogeny of the Vertebrates. Back home Dr. Webb is busy trying to sort out the history of horned antelopes and related groups. He also is preparing a paper describing the oldest known deer in North America which incidently, comes from the Bone Valley area. He is also trying to sort through and identify the different layers of the Bone Valley stratigraphy which has proved to be no easy task because it dates from 15 million years to the Pleistocene.

Dave Lambert, a graduate student of Dr. Webb's, is working on the functional morphology of the jaw mechanics of shove-tusked Gomphotheres from Florida.

Dr. Bruce J. MacFadden and Richard Hulbert are working on a grant to study the evolution of the one toed horses. One-toed horses are important to the study of horse phylogeny because that group ultimately gave rise to the modern group Equus (see FPS Newsletter, Winter 1986, Vol. 3, No. 3).

Dr. MacFadden is also working on the magnetic chronology of the Barstovian syncline in Southern California. This research focuses on the tectonic rotation of the plates in the southern part of the state. At the May meeting of the American Geophysical Union in Baltimore, Dr. MacFadden will present a talk on this research.

Dr. MacFadden will then be returning to South America in June to continue his research of magnetic and radiometric readings there.

FLORIDA GEOLOGICAL SURVEY (Walt Schmidt)

The Florida Geological Survey is planning to put out a biannual newsletter entitled "Florida Geology News". The purpose of this twice-a-year communication is to increase awareness among the Florida geologic community of activities of interest to all of us. FGS has a perception shared by many of those with whom they talk that many of the State, Federal, Society, Industry, and University geology groups function independently and too often are unaware of the others' programs. The FGS is going to try to bring these groups together in the hope that all will benefit.

The current format is envisioned as a two- to eight-page newsletter with six or more sections. Information presented in these sections will be from both submitted and solicited announcements.

Planned sections in mind include:

Survey Shorts - Short notes and news on the activities and staff of the Florida Geological Survey.

State News - News items and activities of interest to the geologic community from the Florida Department of Environmental Regulation, the five Water Management Districts, and other state and regional agencies, including State legislation.

Federal Facts - News and current activities in Florida of the U.S. Geological Survey (Water Resources and Geologic Division); Bureau of Mines; Minerals Management Service; National Parks; and others.

University Happenings - News, research or announcements from University Geology Depts, and Community Earth Science programs.

Society Section - Activities of the Miami Geological Society; South-eastern Geological Society; Florida Section of AIPG; Geology Section of the Florida Academy of Sciences, and others.

Research Update - a brief summary of current contributions, or new work going on (submitted or requested) in or near Florida.

New Publications - In the form of a listing including an author's contact address.

FGS would like to put the newsletter out in June and December of each year and plans to mail it to all geologic groups, agencies, societies, departments, industry representatives, etc. throughout the state and is requesting feedback and comments on format and ideas. Also solicited is input for the first issue. Please address mail and forward input to:

Walt Schmidt  
Florida Geological Survey  
903 W. Tennessee St.  
Tallahassee, FL 32304

CHARLOTTE COUNTY YOUTH MUSEUM 260 Retta Esplanade, Punta Gorda 33950

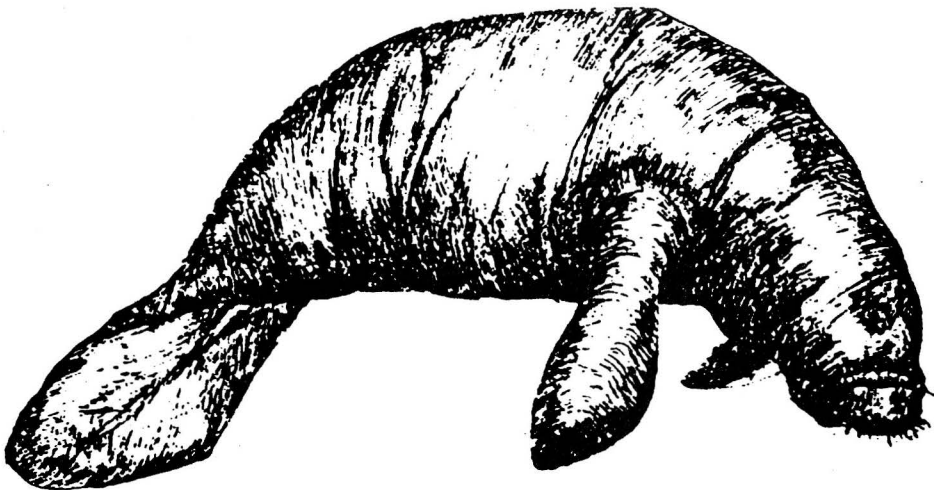
The SWFFC sponsors a changing fossil exhibit each month. Alice Thomas of Punta Gorda and Lelia Brayfield of El Jobean have put in the last two exhibits, one of rodents and the other deer. Hours are Monday through Saturday, 9-5.

DAYTONA'S MUSEUM OF ARTS AND SCIENCES 1040 Museum Blvd., Daytona Beach,  
FL 32014

The museum is currently displaying a life-size replica of a Triceratops which is on loan to the museum by FPS President, Don Serbousek and Board Member, Dr. Clifford Jeremiah. Also on display, is a complete skeleton of the giant ground sloth, Eremotherium mirabil. The skeleton, found in the Daytona Beach Bone Bed and recovered by Serbousek and others, is 90% original bone, stands 13 feet high and is 16 feet from nose to tail. The display includes dioramas and exhibits that give you an idea of what the sloth looked like and what Volusia County may have looked like 200,000 years ago.

MULBERRY PHOSPHATE MUSEUM P.O. Box 707, Mulberry, FL 33860

Changing fossil exhibit by BVFS. Curator, Gary Hacking, phone (813) 425-1125



CLUB NEWS AND NOTESAQUAVENTURES UNLIMITED P.O. Box 651055, Miami, FL 33165

AU is a dive club based in Miami that provides members with a variety of boating and diving trips. Canoe and fossil dive trips are regular events and their activities are not limited to the Miami area. They offer a newsletter, The ANCHORLINE, and if you dive then Aquaventures Unlimited may be the club for you.

BONE VALLEY FOSSIL SOCIETY 2704 Dixie Road, Lakeland, FL 33801

The BVFS is one of the most active fossil clubs in the state. They meet the third Friday of each month at the United First Federal Savings and Loan, 2600 South Florida Ave. in Lakeland. Their programs are very good and the club sponsors numerous fine fossil field trips. The BVFS annual Florida Fossil Fair will again be held in Mulberry at the Mulberry Phosphate Museum on Oct. 15 through the 18. There is a lot of participation in the fair, many fossils are displayed, field trips are offered and it is well worth a visit.

SOUTHWEST FLORIDA FOSSIL CLUB 132 Countryman Ave. S.W., Port Charlotte, FL 33948

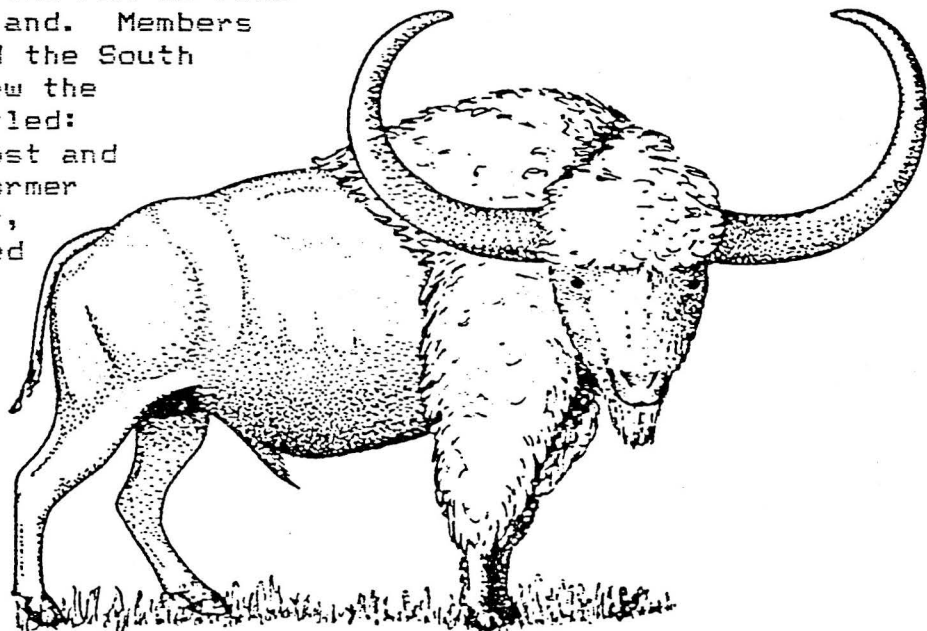
The 140 member SWFFC meets regularly on the second Saturday of each month at the First Federal Savings and Loan of Port Charlotte. Most recent programs have featured two excellent programs by prominent professionals. On Valentines Day, Dr. S. David Webb of the FSM presented a very interesting program entitled "Fossil Elephants of Florida". The March program was presented by Dr. Gordon Edmund of the Royal Ontario Museum. Dr. Edmund spoke about the "Newest Techniques in Quick Casting with Silicone". The SWFFC membership is very active and the programs are excellent. Guests are welcome. Contact Treasurer, Earl Lewis at the above address for more information.

SUN COAST ARCHAEOLOGICAL & PALEONTOLOGICAL SOCIETY 2811 38th Ave North,  
St. Petersburg 33713

The March meeting featured two films. The first, SAMOA, portrayed the discovery of Samoa by early Polynesians and the second, CAVE DWELLERS OF THE OLD STONE AGE, recreated from skeletons, tools, weapons and cave paintings the life led by prehistoric man. A fossil field trip to the APAC shell pit in Sarasota was discussed. Interested persons should contact FPS' own Bill Webster at 823-5700. Their March 1987 newsletter contains an interesting article on THE GRAND CANYON OF MONTEREY BAY, by Harold Gilliam and one on a NEW SPECIES OF DINOSAUR DISCOVERED, by Ben Dobbin.

TIME SIFTERS P.O. Box 32091, Midtown Station, Sarasota, Fl. 33579-0091

Members and guests recently attended a Fund Raising/Field Trip with Dr. William Marquardt of the FSM to Pine Island and Useppa Island. Members also recently visited the South Florida Museum to view the special exhibit entitled: Treasures of Gold, Lost and Found. Don Ocker, former Second Vice-President, has graciously donated numerous fossils to the club for it's collection. Other donations are welcome.



\*\*\*\*\*  
\* Will the members of P.A.R.T. and other clubs around the state \*  
\* please contact the editor with news about your organizations \*  
\* so that their activities may be included in future newsletters \*  
\*  
\*\*\*\*\*

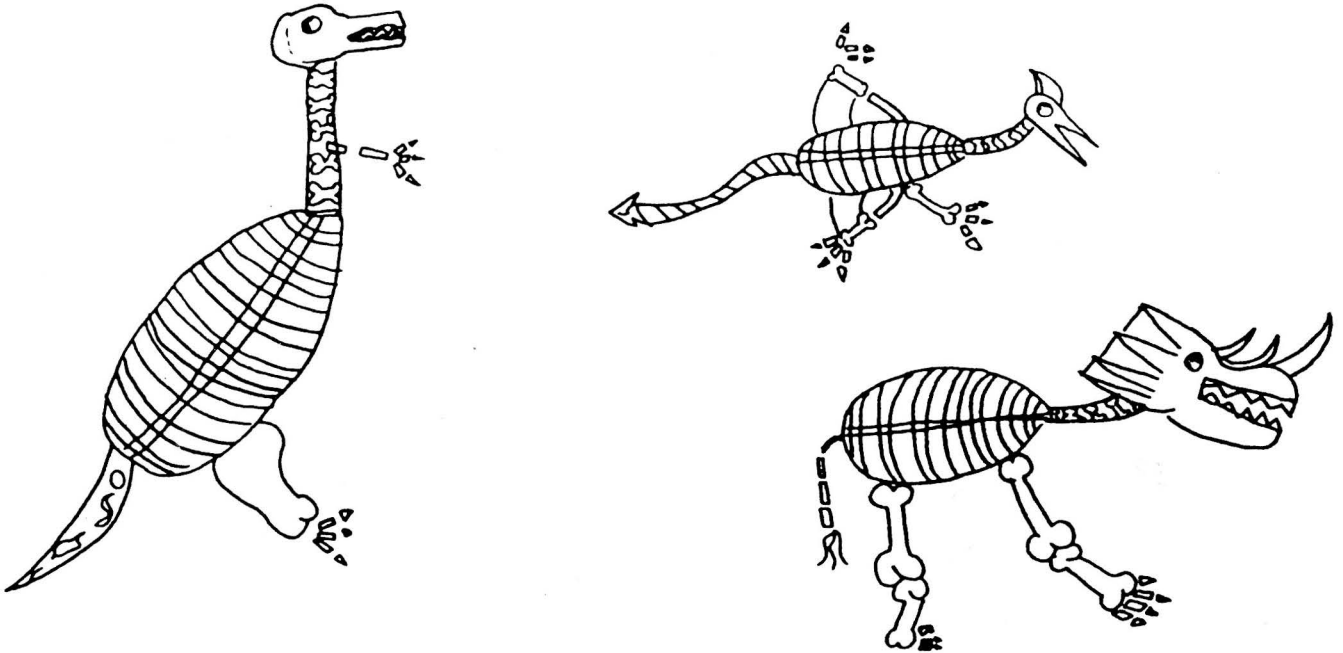


CHARLIE AND VI HERTWECK WIN AWARD

Charlie and Vi Hertweck of Venice are very active in the shell club arena. Not only do they have a beautiful and extensive collection of extant shells but also a very important fossil shell collection. Recently, at the St. Petersburg Annual Shell Show they won the very prestigious Smithsonian Award for their fossil shell display entitled "Fossils Through The Ages". Charlie and Vi believe that this is the first time that the Smithsonian Award has been presented for a fossil display. Their fossil shell displays have also recently won a blue and Judges Special Merit ribbon at the Sanibel Shell Show and at the Ft. Myers show, sponsored by the South West Florida Conchologists Society, their fossil left-handed shank shell, Turbinella regina, was awarded "Shell of the Show".

LANCE WYANT (Nokomis)

Phil Whisler of Venice and other SWFFC members regularly give talks to local school groups. Phil recently gave a fossil talk to the 2nd grade class at the Nokomis Elementary School. Shortly after giving the talk Phil received a package in the mail which contained thank you letters and drawings from the students. All of them were great but Phil thought that this one by Lance Wyant was especially good.



## UNIVERSITY OF FLORIDA

Summer courses in Geology include Historical Geology, Exploring the Geological Sciences, Physical Geology and a Geological Summer Camp. Also offered is a course entitled "Florida Since 1845", a botany course on local flora and a zoology course on Functional Vertebrate Anatomy. Contact registration office, UF Gainesville for more information.

## UNIVERSITY OF MIAMI

Introduction to Anthropology, General Biology, and Comparative Vertebrate Anatomy are some of the courses offered by UM. For more information call 305-284-4000 or 800-626-7173.

## UNIVERSITY OF SOUTH FLORIDA COURSES

Summer courses offered by USF at the Tampa campus include Physical Geology, Fundamentals of Zoology, Mammalogy, Introduction to Marine Biology, Introductory Anthropology, Fundamentals of Botany, Principles of Ecology, Field Botany, Geology of National Parks, two Field Geology camps, Florida Vascular Plants, Archeological Field Methods, and Florida Archeology. Contact USF for dates and times.

## FLORIDA INTERNATIONAL UNIVERSITY

Located in Dade County, FIU offers General Biology, Physical Geology, Field Geology and Geologic Mapping, Introductory Anthropology, and Ecology of South Florida. Phone 305-554-2000.

## ARCHAEOLOGY COURSE OFFERED AT MANATEE COMMUNITY COLLEGE - VENICE CAMPUS

Marion Almy of Time Sifters will teach a credit course on Archaeology this summer. Classes will commence on Wed. May 13, 6-10 PM. Class will include some Sat. and/or Sun. field work and a field trip to the Florida State Museum in Gainesville to tour the museum with Dr. William Marquardt of the division of Anthropology.

FIELD PALEONTOLOGY COURSES OFFERED

The Black Hills Natural Sciences Field Station, operated through the South Dakota School of Mines and Technology in Rapid City, S.D. is offering a summer program which offers field courses in archaeology, biology, geology, and paleontology. FIELD PALEONTOLOGY - Session I is described as follows:

A field course which includes exploration, excavation, and documentation of vertebrate fossils in northwestern South Dakota with special emphasis on Tertiary mammals and Late Cretaceous dinosaurs such as Tyrannosaurus and Triceratops. Students will participate in reconnaissance to locate new sites, learn techniques in excavation of dinosaur bones in a large bone quarry, and learn how to document such specimens.

Description of FIELD PALEONTOLOGY - Session II states:

The field course will consist of excavations in Cretaceous marine shales and in late Pleistocene-Holocene deposits. Fossil fish, sea lizards, flying reptiles, and invertebrates will be collected from the Pierre Shale during most of the course. Visits will be made to the Hot Springs Mammoth Site and to a Quarry operation of a newly discovered site containing bats, woodrats, bison, Coyotes, and archaeological remains. The class will inspect and participate in a detailed quarry excavation of the first succession of late Pleistocene-Holocene rocks and fossils found in the Black Hills.

This editor and other members of the Southwest Florida Fossil Club have attended some of these field courses. I was extremely impressed with the instructor, Dr. James E. Martin and with the quality of the instruction. I highly recommend these courses to the members of FPS. For a copy of the Summer 1987 program write to Dr. James E. Martin, Director, Black Hills Natural Sciences Field Station, South Dakota School of Mines & Technology, Rapid City, South Dakota 57701-3995.

#### LITERATURE AVAILABLE

An excellent paper entitled "Systematics and evolution of Pseudhipparion (Mammalia, Equidae) from the late Neogene of the Gulf Coastal Plain and the Great Plains" by S. David Webb and Richard C. Hulbert, Jr., both from the University of Florida, was recently published in Contributions to Geology, University of Wyoming, Special Paper 3 (see FPS Newsletter, Vol. 3, No. 3, Winter 1986). The paper identifies seven species of Pseudhipparion and examines rates of change in several dental measurements. Although technical in nature it would be an asset to the serious amateurs library. Included in the paper is an acknowledgment to the following individuals who contributed Florida fossil specimens which were used in this study; John Waldrop, Don Crissinger, Larry Lawson, Rick Carter, Cliff Jeremiah, Eric Kendrew, Howard Converse, Frank Garcia, Danny Bryant, Larry Martin, Gale Zelnick, Joe Larned, and Roy Burgess.

Dr. Bruce J. MacFadden's paper entitled "Fossil horses from "Eohippus" (Hyracotherium) to Equus: Scaling, Cope's Law, and the evolution of body size" was recently published in Volume 12, Number 4, Fall 1986 of Paleobiology. It is well written, very enlightening and a must for the serious fossil aficionado. Paleobiology is a quarterly journal of the Paleontological Society. Address subscription inquiries to Paleobiology Subscriptions, P.O. Box 115, Jacksonville, N.Y. 14854.

NATURAL HISTORY magazine, April 1987 not only contains Stephen Jay Gould's regular feature, This View of Life, which discusses horse evolution but also a very interesting article by Daryl P. Domning entitled, Sea Cow Family Reunion, which explores the evolutionary history of the Sirenia. Both are well worth reading. Check with your local library for a copy.

The Journal of Paleontology, March 1987, Volume 61, Number 2 contains an article MIOCENE RHINOCEROSSES FROM THE TEXAS GULF COASTAL PLAIN by Donald R. Prothero and Earl M. Manning. This 36 page technical paper, with it's excellent photographs and drawings of dental, cranial and postcranial elements, discusses and describes four species of rhinoceros that occur together in the Barstovian faunas of southeast Texas. The information contained in this paper is relevant to Florida's paleofauna, especially in the Bone Valley area. The JP is a publication of The Paleontological Society, Inc. Address communications to the society Secretary, John Pojeta, Jr. at:

U.S. Geological Survey  
E-501 National Museum of Natural History  
Smithsonian Institution  
Washington, DC 20560

#### Fossil Book Sale!!!!!!!!!!

FOSSIL VERTEBRATES, Beach and Bank Collecting for Amateurs, by M. C. Thomas. Price \$2.50 each. Minimum order 24 books. Order requests should be addressed to Brian Ridgway, Treasurer - FPS, Florida State Museum, Museum Road, Gainesville, FL 32611

A GUIDE FOR IDENTIFYING FOSSIL SHELLS AND CORALS, by Lelia and William Brayfield. Price \$7.00 per copy postpaid. Described as a picture book of South Florida's prehistoric shells, corals and sand dollars. Contains 156 b/w photos. Address orders to Brayfield Research Lab., 4140 Wood Duck Road, Port Charlotte, FL 33953.

## 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 on laws, regulations and rules on collecting in private and 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 or 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 FPS are \$5.00 for 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 acting Secretary. Please make checks payable to FPS. Members receive a membership card, the FPS Newsletter and randomly issued technical papers.

Newsletter Policy: All news items, art work and photographs related to paleontology in Florida are welcome. The editor reserves the right not to publish submissions and to edit those which are published.