



# FLORIDA PALEONTOLOGICAL SOCIETY NEWSLETTER

VOLUME 20 NO. 1

FALL 2003

**Notes from the Florida Paleontological Society Fall meeting, held November 15<sup>th</sup> and 16<sup>th</sup>, 2002 at the Harbor Branch Oceanographic Institute in Ft. Pierce, Florida.**

On Friday night, we met in the common room at the Bussmann Center. We snacked on chips and so-

das and met new attending members to the group, Matt, who came from California and Wally, who was there from Texas. The rest of us were from around the state of Florida, and it was great getting reacquainted.

Saturday's field trip was scheduled for a local quarry where the Anastasia Formation was exposed. Our ap-



*Some attendees of the Fall 2002 Meeting (left to right) Marge Fantozzi, Laura Pullum, Marcia Wright, Barbara Toomey, Robyn Miller, David Thulman, Roger Portell, Richard Hulbert, Joyce Bode, George Hecht, Jennifer Brown, Matt Doi, and Jim Toomey in front of the submersible Johnson Sea-Link II.*

**FLORIDA PALEONTOLOGICAL SOCIETY  
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**INFORMATION, MEMBERSHIP, AND PUBLICATIONS**

Address: Secretary, Florida Paleontological Society, Inc.  
 Florida Museum of Natural History, P.O. Box 117800  
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 email: fps@flmnh.ufl.edu

petites had been whetted the night before, and we were already counting the Pleistocene invertebrates, vertebrates, and calcite crystals that would be loaded into our buckets and bags that morning. We arose before dawn and gathered our rain gear, boots, hand tools, and buckets. We were ready for the weather. A little rain, snow, or sleet never stops a paleontologist from his/her quest. It was all for naught as the gatekeeper thought only fools would want to be out in weather like this. Undaunted, some of the group milled about while others were search-

ing the roadside ditches for specimens. Roger Portell had a bag of fossilized ghost crabs. This would prove to be the only fossil material we would see for the day.

The Harbor Branch Oceanographic Institute is a fascinating facility with a fabulous tour. There are so many areas of expertise in this research complex. We were introduced to the field of Aquaculture, the research on culture of fish, mollusks, crustaceans, and plants. We heard about the Biomedical research with the emphasis on drug discovery from marine organisms. We learned of the rescue of a Dolphin named Lazarus, because he was dead and brought back to life and is now living in the owner's swimming pool. The funds for the marine mammal research conservation programs are provided by the State of Florida specialty license plates. We were shown the engineering department, where research, design and fabrication of tools, instruments and vehicles for the Johnson Sea-Link deep-sea submersible and other remote controlled deep-sea vessels is conducted. To finish our tour, we stopped at the gift shop before making our way to the conference center for a buffet dinner.

After dinner, George Hecht presented us with a slide show. His talk was on micropaleontology for beginners and covered many things seen with the microscope including sediment, shell fragments, as well as the microfossils Foraminifera and Ostracoda. He was able to provide us with an idea of just how tiny (microscopic) the specimens he works on are, and revealed the beauty and complexity of the microscopic world.

Then Roger and our own "Vanna White", also known as Marcia Wright conducted an auction with all proceeds collected going to the scholarship fund. Those of you who were not able to come missed out on a fun weekend!

**Robyn Miller**

## Club News

The FPS ended 2002 in the black and 2003 looks to be an exciting year with meetings, more publications, a more frequent newsletter, and with this being our 25<sup>th</sup> anniversary, yet another reason to celebrate Florida paleontology. I am pleased to report that the subtle note in the Mastodon paper has brought more than half of the membership up to date on dues. Many have opted to pay through 2004, which I hope is a reflection of the confidence in FPS to continue to provide quality services and publications. As announced at the Fall Meeting there are some exciting events to go along with this anniversary year. Please bring your membership dues up to date! This is a bad year to lose your membership in the FPS. In the works is a commemorative t-shirt featuring the FPS logo and our favorite 6-horned antelope *Hexameryx simpsoni*. Details will follow about pricing and ordering instructions.

Some notes of interest for publications, the now discontinued Papers in Florida Paleontology series is being discounted and sold as a complete package or as individual issues. The papers are as follows:

**Volume 1** Morgan and Ridgway, 1987. Late Pliocene (late Blancan) vertebrates from the St. Petersburg Times site, Pinellas County, Florida, with a brief review of Florida Blancan faunas.

**Volume 2** Hulbert and Morgan, 1989. Stratigraphy, paleoecology, and vertebrate fauna of the Leisey Shell Pit Local Fauna, early Pleistocene (Irvingtonian) of southwestern Florida.

**Volume 3-5** in a single issue 1991

Volume 3 Portell and Schindler. *Menippe mercenaria* (Decapoda: Xanthidae) from the Pleistocene of Florida.

Volume 4 Nicol. Tethyan mollusks of the middle and late Eocene of Florida.

Volume 5 Nicol. Location of continents and oceans and distribution of living oysters (Gryphaeidae and Ostreidae)

**Volume 6** Hulbert, 1992. A checklist of the fossil vertebrates of Florida.

**Volume 7** Morgan and Portell, 1996. The Tucker Borrow Pit: Paleontology and stratigraphy of a Plio-Pleistocene fossil site in Brevard County, Florida.

**Volume 8** Manchester, 1996. Petrified woods in Florida.

Originally sold at \$4.00 per issue the remaining copies will sell for \$1.00 each or \$5.00 for the complete set plus postage. Hurry now while the selection is good. Don't send cash, you'll be invoiced for the final amount.

A further sales note is a change in pricing for Butvar-76. Previously Butvar-76 had been sold for \$7.50 including shipping. Postage has increased over the years to the point that we lose money on the transaction. The new price is \$6.00 per pound with shipping and handling extra. Good news for our walk-in customers, bad news for everyone else.

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### *Notes on Florida's Six-Horned Antelope*

S. David Webb, Honorary Member and Founding President, FPS

Now that we have entered our 25<sup>th</sup> anniversary year, members of the Florida Paleontological Society (FPS) may want to take a few extra minutes to ponder our mascot/symbol, the Florida six-horned antelope.

*Hexameryx simpsoni* is a very showy Florida endemic fossil species. For those reasons it was selected in 1978 as the symbol of the newly chartered FPS. This genus and species is known only from the upper Bone Valley Formation, latest Miocene. More technically it is a rare member of the Palmetto Fauna representing the late Hemphillian land mammal age about five million years ago. Barbara Webb drew the restored head, displayed laterally over an outline of the state of Florida. The likeness to a modern *Antilocapra americana*, our living pronghorn of western North America, is



intentional. Howard Converse sculpted a specimen of a head with six restored horns. It became the symbol of the FPS president and is passed on from officer to officer.

A closely related extinct genus, *Hexobelomeryx fricki*, comes from the Yepomera Fauna in Chihuahua, Mexico, a fauna with age and composition much like those of the Palmetto Fauna. Some paleontologists have argued that this genus should be synonymized with *Hexameryx*. In their recent review, however, Janis and Manning (1998) found that subtle differences in the horncores probably warrant generic separation. If the six-horned genera are ever synonymized, the Florida beast will still be a rare endemic species.

Florida's six-horned antelope continues to be rare. Indeed as mining in the Bone Valley District moved southward off of the ridges in the past decade, almost no specimens seem to have turned up. A score of horncores are catalogued in the vertebrate paleontology collections at the Florida Museum of Natural History. These show that there are two distinct sizes and that the larger forms have the posterior horn set at a lower angle above the braincase. Webb (1973) considered the larger forms (with basal widths greater than 30 millimeters) to be males, and the smaller horns to be those of females. This led him to synonymize the supposedly separate species, *H. elmorei* with *H. simpsoni*. (It would have been very difficult for *Hexameryx* to survive if the males and females did not interbreed.)

A very interesting undescribed specimen of *H. simpsoni* is UF 52424, a juvenile frontlet from the left side with a complete posterior horncore, a nearly complete middle, and a broken base of the anterior horncore. The posterior prong is only 11 mm in diameter at the base but has the proportions of an adult female horncore.

That diameter is about half of the equivalent diameter in an average adult female from the Bone Valley sample. This juvenile horncore, together with the entire sample of female *Hexameryx simpsoni* horncores, shows far more consistent adherence to a standard pattern than one finds in modern female *Antilocapra americana* (O'Gara, 1990). That suggests that selection for substantial female horns may

have been more important in the life history of *Hexameryx* than in that of *Antilocapra*.

The Bone Valley Mining District is remarkable for producing two antilocaprids that evidently were contemporaneous. The other species, *Subantilocapra garciae*, is somewhat smaller than *Hexameryx simpsoni* and even more rare. Just two horncores, a few teeth and some postcranial elements can be assigned to this smaller species. Because it is probably an approximate ancestor (or sister genus) to the living pronghorn, it would be extremely desirable to recover more material of this very rare species.

#### References Cited:

- Janis, C. M. and E. Manning. 1998. Antilocapridae, pp. 491-507. *In* Evolution of Tertiary Mammals of North America, Vol. 1: Terrestrial Carnivores, Ungulates and Ungulatelike Mammals. C. M. Janis, K. M. Scott and L. J. Jacobs (eds.), Cambridge University Press, 691 pp.
- O'Gara, B. W. 1990. The Pronghorn (*Antilocapra americana*), pp. 231-264. *In* Horns, Pronghorns, and Antlers. G. A. and A. B. Bubenik (eds.), Springer-Verlag, New York.
- Webb, S. D. 1973. Pliocene Pronghorns of Florida. *Journal of Mammalogy*, 54: 203-221.



The FPS mascot: *Hexameryx simpsoni*





## Announcing the Florida Paleontological Society's

# *Gary S. Morgan Student Research Award*

## 8th ANNUAL COMPETITION

### Prospectus and General Overview

The Florida Paleontological Society (FPS) is pleased to announce the 8th annual competition for its student research award. The purpose of this award is to promote a better understanding of **Florida paleontology** through new research discoveries. Eligible fields of relevance within paleontology include invertebrates, vertebrates, microfossils, and plants. This award is open to **any student, undergraduate or graduate**, in good standing at any Florida university or college.

For this 8th competition, the FPS has allocated an award of up to \$500. The grant's purpose is for expenditures such as (but not restricted to) field work, museum research travel, laboratory analyses, research materials, etc. It is not intended to fund travel to scientific meetings, indirect (overhead) costs, salaries, or wages. **Deadline for receipt of proposals is 1 December 2003.**

Applications must be postmarked on or before the deadline and be sent to the Awards Chairman at the address listed below. Applications will be reviewed by committee and judged based on the following criteria: (1) merit of proposed research, (2) feasibility of project, (3) clarity of expression, and (4) strength of recommendation letter from faculty sponsor. The screening/award committee shall consist of both professional and avocational paleontologists. The Awardee will be notified after 15 December 2003 and the FPS Treasurer will send a check for the requested amount (up to \$500) to the recipient.

It is expected that, during or after completion of the research, the recipient(s) will present results of their discoveries in the form of (1) a short article of a non-technical nature to be published in the FPS Newsletter and/or (2) a talk presented at an FPS meeting. In the event of the latter, the student's travel expenses to the meeting shall be paid by the FPS (this expense should not be included in the submitted proposal).

### **Application Process and Requirements:**

The application is intended to be short - thus, items 1-4 (combined) are limited to two pages (minimum 10 point type, standard 1" margins). **The application must include:**

1. Title of research project
2. Name, address, and phone number (or email address) of applicant
3. Current college status (where enrolled, major, degree program, anticipated graduation date).
4. Project description written in **general**, i.e., **to the extent possible, non-technical**, terms to include a description of what he/she plans to study, why it is interesting or important, how and when it will be done, and a budget of proposed expenditures.
5. Appended to the proposal, a letter from a faculty sponsor who will vouch for the qualifications of the applicant (as well as the importance of the project) and a short statement that the faculty member will supervise the research.

*Applications should be postmarked by 1 December 2003 and sent to:*

Roger Portell, Awards Chairman  
Florida Paleontological Society  
Florida Museum of Natural History  
University of Florida  
Gainesville, FL 32611-2035

## David and Lee Ann Cale receive the Florida Museum of Natural History's Howard Converse Award

The 2003 Howard Converse Award was presented to David and Lee Ann Cale at a luncheon held during the FPS Spring Meeting, on May 10<sup>th</sup> and 11<sup>th</sup> in Gainesville. Roger Portell spoke of their contributions and presented them with a recognition plaque that was adorned with a bronzini replica of a beautiful Pliocene scallop (*Nodipecten*). David and Lee Ann are both active members of the Paleontological Society of Lee County (PSOLC) and have played a major role in promoting Florida paleontology. Both of the Cales have held the office of PSOLC president and served on the society's board of directors. David is currently the PSOLC president and Lee Ann is editor of the society's newsletter. Along with these activities they have also developed several PSOLC sponsored outreach programs for middle and elementary age school children. The Cales spearheaded the excavation of the Tri-Biton locality in Hendry County by PSOLC members along with Mason Meers (University of Tampa) and Richard Hulbert (FLMNH). The middle Pleistocene Tri-Britton site represents a time interval that is relatively poorly known in Florida. The Cales also participated in FLMNH fossil "digs", at Tyner Farm and they made important donations to the museum's collections. The most recent donation included several new Pliocene echinoids. David and Lee Ann, along with daughter Tabitha (who now works in the Invertebrate Paleontology Division, FLMNH) and son Billy, continue to show their support and dedication to the field of paleontology through their involvement with the PSOLC and FLMNH and plan to continue to do so well in to the future.

*The Howard Converse Award, presented nearly every year since 1988 by the FLMNH, recognizes outstanding contributions to Florida paleontology by the non-professional. Individuals are nominated for the award by FLMNH staff from the Invertebrate Paleontology, Vertebrate Paleontology, and Paleobotany divisions. Three staff members then select the recipient from the pool of nominees.*

## News from the Florida Museum of Natural History (FLMNH)

### Invertebrate Paleontology Division (IP).....

Despite his administrative duties as Director of the FLMNH, **Douglas Jones** stayed active with several paleontological projects in 2002-03. Working with **Bruce MacFadden** and **Penny Higgins** (both FLMNH) and **Brad Clementz** from California, the team used stable oxygen and carbon isotopes from the teeth of fossil and modern sirenians from Florida to reconstruct ancient diets and paleoecology of these creatures. Their results were presented at the annual meeting of the Society of Vertebrate Paleontology (SVP) and will be published in a forthcoming paper in the journal *Paleobiology*.

Typically, Doug also was involved with several molluscan projects. **K.P. Teusch**, Doug, and **Warren Allmon** (Paleontological Research Institution) published a paper in the journal *Palaios* in 2002 where they linked morphological change in Pleistocene-Recent turrillids from Chile with upwelling intensity. Doug also teamed-up with former IP student **Linda Ivany** (now Assistant Professor at Syracuse University) and **Bruce Wilkinson** at Michigan to publish another paper in *Palaios* (2003) which explored the use of stable isotope data to resolve rate and duration of growth throughout ontogeny, citing the Atlantic surf clam as a prime example. At present Doug is working with **Irv Quitmyer** (FLMNH) to look at season of collection of archaeological coquina clams from Florida.

Finally, Doug and **Roger Portell** are involved with completion of the new **Hall of Florida Fossils: Evolution of Life and Land**. The fossil hall, located at FLMNH's Powell Hall (Exhibits and Education Center), is expected to open May 22, 2004.

Roger and his staff continue to curate the state's IP collection that has grown to nearly 3.5 million specimens! In addition, Roger conducted considerable fieldwork in Florida and the Caribbean (Jamaica and the Netherlands Antilles). With National Geographic funding,

Roger and colleagues **Stephen Donovan** (Nationaal Natuurhistorisch Museum, Holland), and **Thomas Stemann** (University of the West Indies, Jamaica) visited the north coast of Jamaica during February and March, 2003 and collected in the Upper Pliocene Hopegate Formation. The Hopegate is an indurated dolomitized unit with an unreported diverse coral and mollusk fauna. One additional year of fieldwork (March, 2004) is scheduled before the team is ready to report their results.

During June and July, Roger, Stephen Donovan, and **David Harper** (University of Copenhagen) visited the Netherlands Antilles (Curacao and Bonaire) and collected invertebrate fossils from the Upper Eocene Montagne Formation and Pliocene Seroe Domi Formation. The Seroe Domi Formation contains important brachiopod, arthropod and echinoid associations in an ecosystem that marked the southern margin of the Late Cenozoic Caribbean basin. The team will present their results of this project at the Palaeontological Association meeting later this year.

Recently, Roger co-authored several articles on Florida fossils. An article with graduate student **Greg Herbert** (University of California, Davis) entitled "A new species of *Attiliosa* (Muricidae: Neogastropoda) from the Upper Eocene/Lower Oligocene Suwannee Limestone of Florida" was published in The Veliger and describes the oldest known species of that genus. Additionally, Roger co-authored a paper with **Joe Collins** (London) entitled "A new species of *Montezumella* (Crustacea: Decapoda: Cheiragonidae) from the Upper



*Stephen Donovan collecting fossil echinoids and brachiopods while sitting on an exposure of the Seroe Domi Formation along the southern coast of Curacao, Netherlands Antilles.*

Eocene Ocala Limestone of Florida" that was published in the Proceedings of the Biological Society of Washington. This paper describes a very rare crab found only from one quarry in the Newberry area. Another paper, co-authored with **Gary Schmelz** (Naples), was "A new species of *Metula* (Gastropoda: Colubrariidae) from the Lower Miocene Chipola Formation of Florida". That paper was published in The Nautilus. Most recently, Roger, **Richard Turner** (Florida Institute of Technol-

ogy), and **John Beerensson** (Merritt Island) published an article "Occurrence of the Atlantic Ghost Crab *Ocypode quadrata* from the Upper Pleistocene to Holocene Anastasia Formation of Florida". This paper was published in the Journal of Crustacean Biology and described the fossilization process of common, whole-bodied, crabs found on Brevard County beaches.

**George Hecht** is continuing to curate ostracodes in the Richard A. Edwards microfossil collection (formerly housed at the Florida Geological Survey). The collection represents 40 years of collecting and

is estimated to contain over 10,000 specimens (1,000 to 3,000 lots). George also helps curate the IP Teaching Collection (mostly Paleozoic and Mesozoic invertebrates) that is used not only in FLMNH programs and exhibits, but also by the UF Geology and Zoology departments.

Since the last IP news report, former students **Craig Oyen** and **Jeff Agnew** have graduated! Craig received his Ph.D. in Geology during May, 2001 after completion of his dissertation entitled "Biostratigraphy and diversity patterns of Cenozoic echinoderms from



Florida". He is currently on the faculty in the Department of Geography and Earth Science at Shippensburg University (PA). Jeff Agnew finished in August, 2001 with his Masters Degree in Geology. His thesis was titled "Taxonomy, taphonomy, and paleoecology of the Plio-Pleistocene shell beds at 101 Ranch Pit, Okeechobee County, Florida". Currently, Jeff is pursuing a Ph.D. at Louisiana State University.

**Joan Herrera** received her Ph.D. in Zoology from the University of Florida in August, 1998. Currently, she is an adjunct assistant professor in Biological Sciences and teaches introductory courses for majors and non-majors here at UF. Joan regularly volunteers in the IP collection and is now conducting research on a new species of fossil echinoid collected from the Anastasia Formation. She hopes to expand her current research into a comprehensive analysis of fossil *Arbacia* from the SE USA. Joan has taken over the production of the FPS newsletter beginning with this issue!

During 2002-2003 individual fossils and fossil collections were donated to IP on a regular basis. The two most noteworthy collections came from **Richard Petit** (North Myrtle Beach, SC) and **Lois and Blackwell Dunnam** (Sanibel, FL). Richard's donation consisted of nearly 3,000 Plio-Pleistocene mollusks from Florida and North Carolina and included two paratypes of *Pterynotus repetiti*, a species named for him by **Emily Vokes** in 1970. The Dunnam's donations contained nearly 24,000 specimens of Florida Plio-Pleistocene mollusks and Eocene mollusks of France. Both gifts are scientifically valuable and most specimens were accompanied by high-quality data, including locality, collector name, and date collected.



*Roger Portell searching for fossils in the Hopegate Formation in Jamaica..*

A few significant individual fossil donations made to IP were a Florida Pleistocene sea star given by **Sam Upchurch** (Land O'Lakes, FL), a new genus of Pliocene crab from Virginia donated by **Janine Jacobs** (Baltimore, MD), and several tests of a new species of *Arbacia* gifted by **Thomas Scott** and **Harley Means** (Florida Geological Survey). Other gifts included a much-appreciated microwave oven

donated by **Michael and Heidi Toomey**, 23 Lane specimen cabinets with drawers donated by **Barbara and Reed Toomey**, and an easy-to-carry gasoline powered water-pump for site excavation given by **James and Lori Toomey**. Financial support during 2002-2003 for numerous collection and research initiatives in IP and for IP student support is also gratefully acknowledged. Thanks go to: the **American Association of Petroleum Geologists (LSU Student Chapter)**, **Roland and Jan Banks**, **John Beerensson**, **Linda Ann Clemens**, **Lois and Blackwell Dunnam**, **Hartman & Associates, Inc.**, **Joan Herrera**, the late **Muriel Hunter**, **Jack and Evelyn Martin**, **Naples Shell Club**, **Craig Oyen**, **The Sanibel-Captiva Shell Club**, **Southwest Florida Fossil Club**, **Julia Thaler**, **Barbara and Reed Toomey**, and **James and Lori Toomey**.

**Roger Portell**  
**Invertebrate Paleontology**  
**Dickinson Hall**  
**PO Box 117800**  
**University of Florida**  
**Gainesville, FL 32611-7800**

**FLORIDA PALEONTOLOGICAL SOCIETY, INC.  
APPLICATION FOR MEMBERSHIP**

**Mail completed form to :**

Florida Paleontological Society  
University of Florida, Box 117800  
Gainesville, FL 32611-7800

New \_\_\_\_\_ Renewal \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Email address \_\_\_\_\_

**TYPE OF MEMBERSHIP**

- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| 1. INDIVIDUAL ACTIVE (\$15.00) _____ | 2. INSTITUTIONAL (\$15.00) _____     |
| 3. COUPLES (\$20.00) _____           | 4. FAMILY (3 or more \$25.00) _____  |
| 5. LIFE (\$500.00) _____             | 6. ASSOCIATE (under 18 \$5.00) _____ |

NOTE!! MEMBERSHIPS ARE FOR A CALENDAR YEAR AND ARE DUE NO LATER THAN JANUARY 1 EACH YEAR!  
PLEASE RENEW ON TIME!

**BIOGRAPHICAL FACT SHEET**

1. NUMBER OF YEARS OF INTEREST IN PALEONTOLOGY \_\_\_\_\_
2. WHICH BEST DESCRIBES YOUR STATUS: COLLECTOR \_\_\_\_\_ OCCASIONAL DEALER \_\_\_\_\_ FULL TIME DEALER \_\_\_\_\_ PROFESSIONAL POSITION \_\_\_\_\_ JUST STARTING \_\_\_\_\_

3. PRIMARY AREAS OF INTEREST:

	<u>VERTEBRATE</u>	<u>INVERTEBRATE</u>	<u>BOTANY</u>	<u>MICRO</u>
PLEISTOCENE	_____	_____	_____	_____
PLIOCENE	_____	_____	_____	_____
MIOCENE	_____	_____	_____	_____
OLIGOCENE	_____	_____	_____	_____
EARLIER	_____	_____	_____	_____

4. LIST ANY PREFERRED TYPES (Echinoids, Crabs, Horses, Sloths, Plants, etc.).

5. LIST ANY PUBLISHED WORKS ON PALEONTOLOGICAL SUBJECTS.

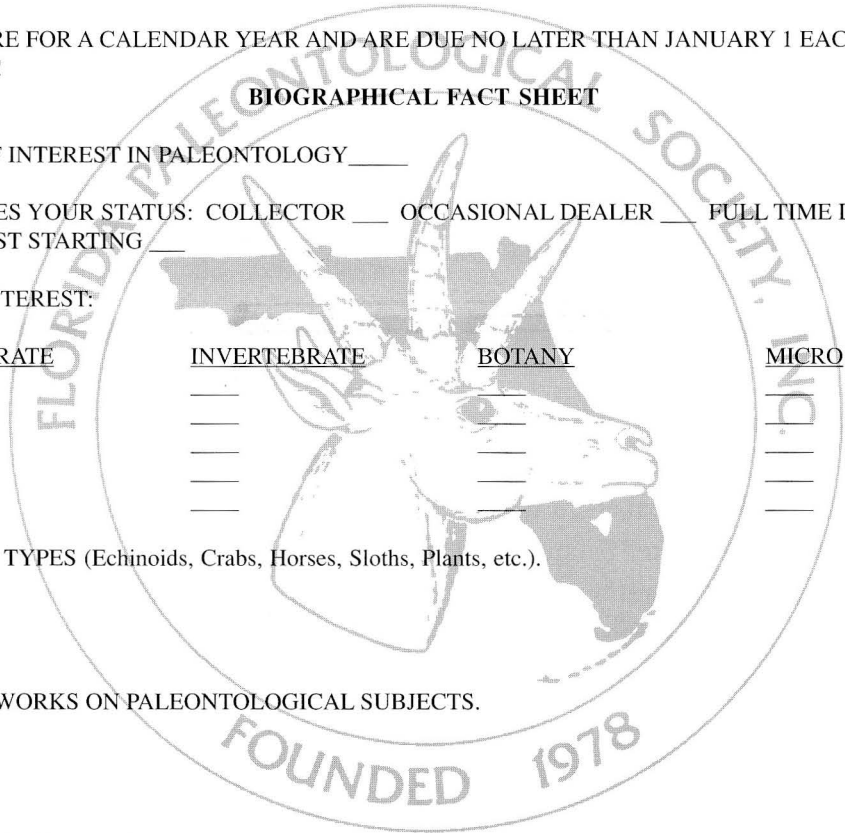
6. DO YOU BUY \_\_\_\_\_ TRADE \_\_\_\_\_ FIND \_\_\_\_\_ FOSSILS?

7. LIST ANY SKILLS OR ABILITIES THAT MAY BE OF USE TO THE SOCIETY'S PROJECTS (RESTORATION, PERPARATION, COMPUTER USE, GRAPHICS SKILLS, SPEAKING, PHOTOGRAPHY, PUBLIC RELATIONS, WRITING, FUND RAISING, ETC.).

8. LIST ANY UNUSUAL SPECIMENS FOUND, CIRCUMSTANCES UNDER WHICH THEY WERE LOCATED AND THEIR DISPOSITION.

PLEASE USE AN ADDITIONAL SHEET IF REQUIRED. THANK YOU!

Payments, contributions, or gifts to the Florida Paleontological Society are not deductible as charitable contributions for federal income tax purposes. Dues payments may be deductible by members as ordinary or necessary business expenses. We recommend that you consult with your tax advisor.



## ***Dr. Webb Retires***

**Dr. S. David Webb**, Distinguished Research Curator Emeritus of Vertebrate Paleontology, retired from the FLMNH on July 1, 2003 after being a faculty curator since 1964. Dave is an internationally recognized paleontologist specializing in the evolution of Cenozoic mammals from the Americas. During his four-decade tenure at UF, Dave has led the development of the vertebrate paleontology program from a small regional collection to more than 300,000 specimens that now ranks in the top 5 VP collections nationally. Dave has been instrumental in public museum outreach as a popular lecturer and founder of the Florida Paleontological Society. He is the author of more than 200 articles and monographs, has been the mentor to more than 50 graduate students, and is an enthusiastic and popular teacher. Dave has received many honors and distinctions during his career, including President of the Society of Vertebrate Paleontology, Guggenheim Fellowship in Germany, Visiting Professorship at Yale, and Distinguished Visiting Curatorship at the Field Museum in Chicago.

In Dave's honor, a celebration (WebbFête) was held May 10, 2003 at FLMNH's Powell Hall. Two sessions of talks by distinguished speakers, a tour of the soon-to-open fossil hall, and a catered banquet with guest speaker Clayton Ray (retired curator of the National Museum of Natural History, Smithsonian Institution) made this event most memorable.



*A standing ovation for Dr. S. David Webb, Distinguished Research Curator, Florida Museum of Natural History at WebbFête, a celebration of his thirty-nine year career at the University of Florida.*

## ***Twelfth Annual Fossil, Mineral, and Gem Show***

**presented by: Florida Fossil Hunters**

Saturday, November 8, 2003 - 9:00am - 5:00pm  
Sunday, November 9, 2003 - 10:00am - 4:00pm

Fossils and Artifacts, Hourly Silent Auctions, Kids can dig for their own fossils!

\$3.00 Adults / \$1.00 Children

Central Florida Fairgrounds  
4603 West colonial Drive (Hwy. 50)  
Orlando, Florida 32808-8158

From Tampa (I-4) - Take I-4 all the way into Orlando and then take the Colonial Drive (Hwy 50) exit and go westbound. The fair grounds will be on the right side just past Mercy Drive.

From Daytona (I-4) - Take I-4 all the way into Orlando and then take the Colonial Drive (Hwy 50) exit and go westbound. The fair grounds will be on the right side just past Mercy Drive.

Contact: Terry Angell 407-977-5803 or Bobbi Angell 407-277-8978

Email to: [tangell@floridafossilhunters.com](mailto:tangell@floridafossilhunters.com)



**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 cooperations 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.

**Recent Publications of the Florida Geological Survey**

*Geologic Map of the State of Florida*, by Tom Scott and others, 1:750,000 scale, color.

The new state geologic map, represents over 36 years of new geological data collection. The map illustrates the areal extent of the surface and near surface geologic units, which are color-keyed to the legend. Cross-sections and a generalized stratigraphic column are included on the map. Open File Report 80, which describes each lithostratigraphic unit, is also included with the map. The map and accompanying text may be ordered from the FGS library for \$10. Contact Carol Armstrong @ 850-488-9380. You may also download the map from our web site: [www.dep.state.fl.us/geology/gisdatamaps/index.htm](http://www.dep.state.fl.us/geology/gisdatamaps/index.htm).

**Open File Report 85**

**First Magnitude Springs of Florida**, by Thomas M. Scott, Guy H. Means, Ryan C. Means, and Rebecca Meegan, 2002, 138p. Color, with maps and photos.

Seventeen springs, eight spring groups/systems, seven river rises, and one karst window (49 vents total) were sampled from 25 September 2001 through 15 November 2001. The physical characteristics, water chemistry, and bacteriology of Florida's first order magnitude springs are discussed and described in this report. Call 850-488-9380 for ordering information.

**ANNUAL DUES** for the FPS are \$5.00 for Associate Membership (persons under age 18) and \$15.00 for Full Membership (persons over age 18) and Institutional Subscriptions. Couples may join for \$20.00, and Family Memberships (3 or more persons) are available for \$25.00. Persons interested in FPS membership need only send their names, addresses, and appropriate dues to the Secretary, Florida Paleontological Society, Inc., at the address on page 2. Please make checks payable to the FPS. Members receive the FPS newsletter, Florida Fossil Invertebrates, Fossil Species of Florida, 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.