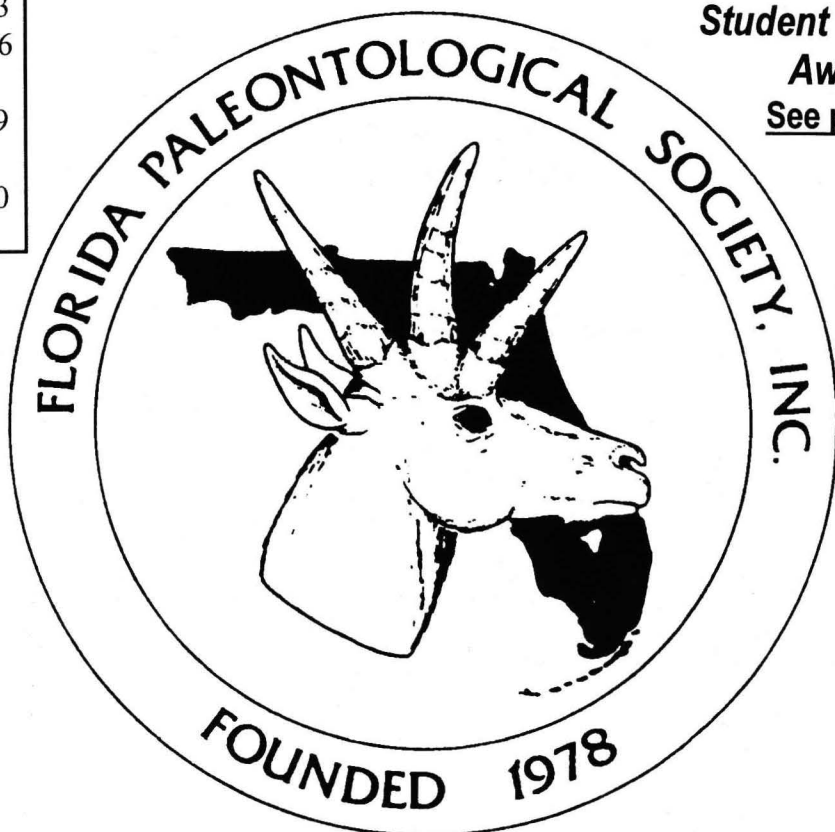


# Florida Paleontological Society, Inc. *Newsletter*

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Call for Applications  
for the  
*Gary S. Morgan*  
*Student Research*  
*Award.*  
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**1999 Dues are due!**  
(see page 2)

**Volume 15 Number 3 Summer Quarter 1998**

# FLORIDA PALEONTOLOGICAL SOCIETY, INC

## OFFICERS

President:	Terry Sellari, 5555 Pentail Circle Tampa, FL 33625 (813) 968-6820
President-Elect:	Tom Ahern, 629 Gail Ave. Temple Terrace, Florida 33617
Past President:	Gordon Hubbell, 150 Buttonwood Drive Key Biscayne, Florida 33149 (305) 361-5890
Vice President:	Jim Toomey, 6425 28 <sup>th</sup> Ave. E., Bradenton, FL 34208 (941) 748-4646
Secretary:	Eric Taylor, P.O. Box 3506 Lake City, Florida 32056 (904) 752-6764
Treasurer:	Phil Whisler, Fla. Paleo. Soc., Florida Museum of Natural History, Gainesville, Florida 32611 (352) 335-5550

## BOARD OF DIRECTORS

Joyce Bode, Ft. Meade, 1999	Sue Hutchens, Old Town, 2000
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Douglas Dew, Palatka, 2000	Roger Portell, Gainesville, 2000
Barbara Fite, Lutz, 2000	Joyce Jackson Poulton, Ponte Vedra Bch., 1999
Steve Hutchens, Old Town, 2000	Dean Sligh, Orlando, 1999
Barbara Toomey, Sanibel, 2000	

## COMMITTEES AND APPOINTMENTS

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Nominations:	G. Hubbell, J. Bode, J. Toomey
Finance:	J. Rupert, P. Whisler, R. Portell
Membership:	Erica Dew
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Honorary Members and Awards:	T. Sellari, B. Fite, R. Portell, S. Hutchens
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Spring Meeting	Jerry Bond, Christopher Gervais
Fall Meeting	J. Owen, T. Sellari, B. Fite, R. Miller
Resident Agent:	Bruce MacFadden

## HONORARY MEMBERS

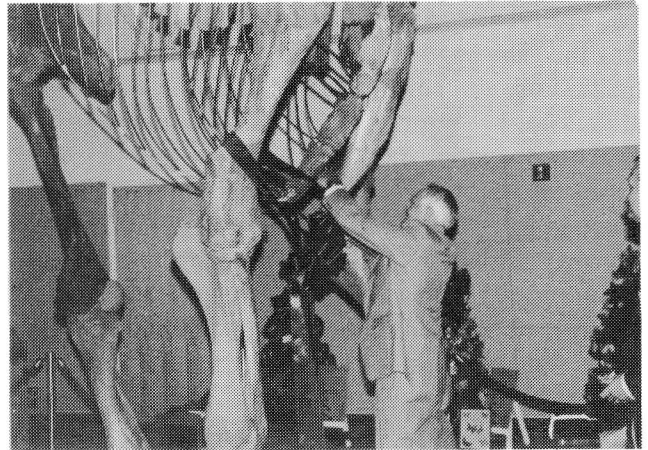
Anita Brown    Lelia and William Brayfield    David Webb    Gary Morgan    Clifford Jeremiah

## INFORMATION, MEMBERSHIP, AND PUBLICATION INFORMATION

Please Address: Secretary, Florida Paleontological Society, Inc.  
Florida Museum of Natural History  
University of Florida  
Gainesville, FL 32611

# News Notes

An additional table of larger items was auctioned-off by our honorary auctioneer, Phil Whisler.



**Dr. David Webb cutting the grand-opening ribbon on the Aucilla mammoth display.**

Proceeds from Paleofest will help support the new exhibits and educational programs in invertebrate and vertebrate paleontology and paleobotany.



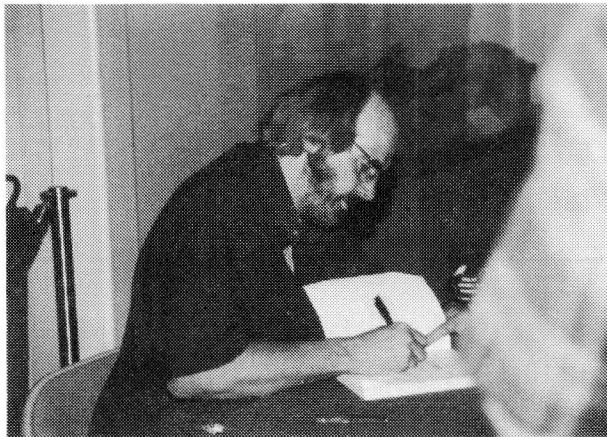
**Field trip attendees gather at the Haile Quarry.**



**New President Terry Sellari presents outgoing President Gordon Hubbell with a gift of appreciation for a job well done.**

## PaleoFest98 Highlights...

Another outstanding Paleofest, the second in what we hope will be a series of many more, was graciously hosted by the Florida Museum of Natural History in Gainesville in late November. Designed as a gathering for interested amateurs and professionals alike, Paleofest has become a modern successor to the original Annual Paleontology Meetings conducted at the museum during the early years of the FPS. This year's event featured a guest lecture by noted dinosaur paleontologist Jack Horner, which attracted over 1000 people. Jack autographed copies of his



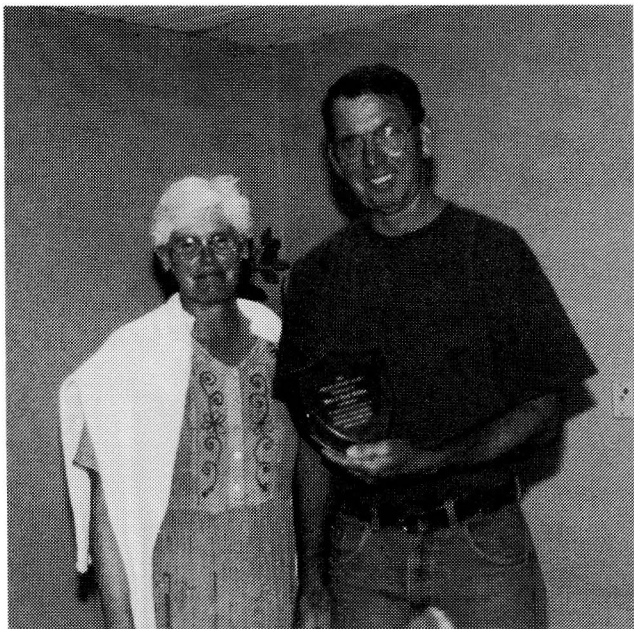
**Dr. Jack Horner autographing copies of his book for Paleofest98 attendees.**

book in the lobby of Powell Hall after his talk. Also included in the Friday evening schedule was the unveiling by Dr. David Webb of the mounted skeleton of the Aucilla River mammoth. Individuals and fossil clubs from around the state had booths and displays set up in the museum for public viewing. Saturday activities started with introductory talks and the annual FPS business meeting. In the afternoon, Paleofest attendees participated in a variety of functions, including museum tours, fossil-related classes, and fieldtrips. Paleofest98 culminated with an evening banquet at the Gainesville Radisson hotel and a large fossil auction. Tables of paleo-related books, casts, and other items were displayed for silent auction bidding.



## 1998 Converse Award Recipients

During PaleoFest98, Dr. Bruce MacFadden presented the 1998 Howard Converse Award to Steve and Susan Hutchens of Oldtown, Florida. The Converse Award recognizes individuals from the non-professional ranks who have made outstanding contributions to Florida paleontology, typically through donations of fossil specimens or volunteer service to the Florida Museum of Natural History. The Award is named in honor of the late Howard Converse, a former museum staff member in vertebrate paleontology, who was highly respected for his statewide work in paleontology. Steve and Sue have donated an extensive collection of Oligocene Nebraska vertebrate fossil to the museum, and have spent countless volunteer hours working on fossil preparations for the museum. Converse Award recipients are selected each year by the museum paleontology staff, and are presented with a personalized wall plaque. Their names will also be inscribed on a permanent plaque which hangs in the museum. Congratulations Steve and Sue!



Susan and Steve Hutchens with their 1998 Converse Award plaque.

## Other tidbits...

Erica Dew has graciously agreed to serve as the new FPS Membership Chairperson. Erica will oversee dues collection and maintain the official membership list. Thank you Erica!

Current plans are to have the 1999 Spring meeting in April, in the Lee County area of southwest Florida. We will keep you apprised as plans develop. The 1999 Fall Meeting is tentatively scheduled for Jacksonville. Meeting committee members John Owen, Terry Sellari, Barbara Fite and Robyn Miller are working up a fabulous event for us. Announcement of final arrangements will be forthcoming in a future newsletter.

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## 1999 FPS Dues are now due!

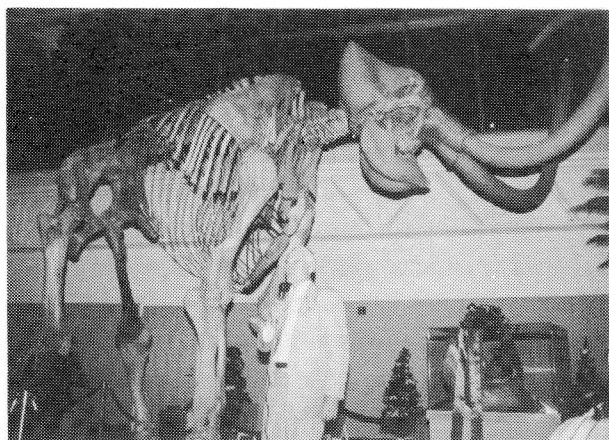
See the renewal form at the end of this letter. Please remit your check, payable to *Florida Paleontological Society*, to our new membership chairperson at the following address:

**Erica Dew**  
**P.O. Box 8039**  
**Palatka, FL 32178**

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## Upcoming Events...

**April 10-11, 1999 - Central Florida Gem and Mineral Society Gem, Mineral and Fossil Show**, at the Central Florida Fairgrounds, 5603 W. Colonial Drive, Orlando, FL. 9 AM to 5 PM. Admission \$3, Free parking.



The completed mammoth skeleton from the Aucilla River, Florida, now on display in the lobby of the Florida Museum of Natural History's Powell Hall.





# NEWS FROM THE



by Roger Portell

## Invertebrate Paleontology Division

**Doug Jones** is in his second year as Director of the Florida Museum of Natural History. Naturally, the responsibilities of this position don't leave much time for research or paleontological field work; however, Doug has been busy doing as much paleontology as time permits. This past year, he and **Stephen Jay Gould** of Harvard University co-authored a paper on the evolution of the extinct oyster *Gryphaea* from the British Jurassic. The paper, which will be published in *Paleobiology* in 1999, solves some long-standing mysteries surrounding this evolutionary classic.

On other fronts, Doug was invited to participate in the Paleontological Society's Short Course, "Isotope Paleobiology," at the annual meeting of the Geological Society of America held this past October in Toronto. After Toronto, Doug was invited to give two lectures at the University of Michigan, where he visited with a former UF graduate student in Invertebrate Paleontology and current member of the Michigan Society of Fellows, **Linda Ivany**.

Doug continues to work with **Irv Quitmyer** at the FLMNH on several projects involving stable isotopes in mollusks. With **Warren Allmon** of the Paleontological Research Institution, Doug is continuing studies of turrillid gastropod shell records from Chilean localities. Doug and Irv have analyzed some juvenile *Nautilus* shells in collaboration with **Neil Landman** of the American Museum in NY. They have also had several more papers published on the interpretation of the shell records of modern and archaeological quahogs (*Mercenaria*) from Florida. Elsewhere, Doug, **Buck Ward** at the Virginia Museum of Natural History, and colleagues from the UF Geology

Department recently published a paper on the numerical age of the Pollack Farm Fossil Site in Delaware based on strontium isotopes in mollusk shells. This paper appears in Special Publication #21 of the Delaware Geological Survey (1998) and discusses this important Miocene site which contains both vertebrate and invertebrate fossils.

Finally, Doug has been active on the editorial boards of several scientific journals including, *Palaios*, *Historical Biology*, *Geology*, and *The Nautilus*. He along with **Roger Portell** are also involved in the planning phase of the new Fossil Hall under construction at Powell Hall (Exhibits and Public Programs facility).

Roger has returned full-time to the Invertebrate Paleontology Division (IP) after a 14-month stint as Coordinator of Museum Operations of Powell Hall. He was responsible for the day-to-day operations of the facility, which included a broad and demanding range of tasks, including managing finances and personnel, and overseeing construction of exhibits. Roger says he enjoyed his time at Powell Hall but is glad to be back doing the work he loves most.

Each year, for the last nine years, Roger has conducted two to three weeks of field work in Jamaica. Currently, he is planning his 1999 trip. This past February, he, Doug, **Barbara and Reed Toomey**, **Daryl Domning** of Howard University, former IP employee **Kevin Schindler**, and UF graduate student **Kaffie Commins** worked fossil sites discovered in 1991 by Roger and former UF graduate student **Jon Bryan**. They collected vertebrate and invertebrate fossils in the early Eocene Chapelton Formation, as well as crabs from the early Miocene Montpelier Formation and mollusks and corals from the late Pleistocene Falmouth Formation. Roger recently published several papers about his Jamaican work. These were:

- *Decapod, stomatopod and cirripede crustacea from the Pliocene Bowden shell bed, St. Thomas Parish, Jamaica*, co-authored with Joe Collins and published in *Contributions to Tertiary and Quaternary Geology*.



- A *spatangoid echinoid from the upper Pliocene of southeast Jamaica*, co-authored with Stephen Donovan and published in the Caribbean Journal of Science.
- *Oldest West Indian land mammal: Rhinocerotoid Ungulate from the Eocene of Jamaica*, co-authored with Daryl Domning, Robert Emry, Stephen Donovan, and Kevin Schindler and published in the Journal of Vertebrate Paleontology.
- *The Brachiopods Tichosina and Terebratulina from the Miocene of Jamaica*, co-authored with David Harper and Stephen Donovan and published in the Caribbean Journal of Science.

Roger has also recently published several papers about his research of Florida invertebrate fossils. These papers included:

- *A new species of Pterynotus (Gastropoda: Muricidae) from the Eocene Ocala Limestone of Florida*, co-authored with Emily Vokes and published in Tulane Studies in Geology and Paleontology.
- *Distribution and paleoecology of Glottidia inexpectans Olsson, 1914 (Brachiopoda: Lingulidae)*, co-authored with Matthew, David, and Lyle Campbell and published in Tulane Studies in Geology and Paleontology.
- *Occurrence of the regular urchin Eucidaris tribuloides from the Tamiami Formation (Pliocene) of Florida*, co-authored with Craig Oyen and published in Tulane Studies in Geology and Paleontology.

This past March, Roger, **Craig Oyen**, **Kendall Fountain**, and **Guerry McClellan** presented their research results on the *Phosphatized brachiopod, echinoid, and annelid fossils from the upper West Florida Slope, eastern Gulf of Mexico* at the Southeastern Sectional Meeting of the Geological Society of America Meeting in Charleston, West Virginia. Later, in June, Roger, Daryl Domning, **Robert Emry**, Stephen Donovan, and Kevin Schindler presented their research at the 15<sup>th</sup> Caribbean Geological Conference in Kingston, Jamaica

entitled, *The primitive rhinoceros Hyrachyus in the Eocene of Jamaica*.

Roger continues his role as Secretary to the southeastern Section of the Paleontological Society. He also serves on the Educational (K-12) Advisory Committee for the Florida Institute of Phosphate Research.

**Amy Tobias** completed her master's degree in geology from Virginia Polytechnic and State University in Blacksburg, Virginia, this past June. She is currently working on publishing her results on the effects of environmental change on the lineage of the extinct bivalve genus *Marvacrassatella*.

The newest member of the IP Division is **Kathy Weedman**, a Ph.D. student in Anthropology at UF. Kathy just returned from a two year stay in Ethiopia (with her husband, John W. Arthur, a former IP worker) where she studied the Gamo people who still use stone tools to scrape hides. Her study provides a contemporary setting to test models concerning the use and production of prehistoric stone tools.

Roger, Amy, **Greta Murray**, Kathy and **Alex Mouat** continue to work on the organization and curation of the Vokes Collection (formerly housed at Tulane University), the Muriel Hunter Collection, and the Florida Geological Survey Collection. Curation and computerization of the latter two collections are supported by a National Science Foundation grant. The Invertebrate Paleontology Division will soon reach its goal of 100,000 catalogued lots, totaling nearly 1.5 million specimens. An even larger number of uncatalogued specimens still awaits curation.

Graduate students **Craig Oyen**, **Betsi Nemeth**, and **Jeff Agnew** are steadily making progress toward completion of their advanced degrees. Craig has accepted a tenure-track teaching position at Shippensburg University in Pennsylvania. Betsi has accepted an environmental geology position in New Jersey. Jeff is currently a teaching assistant in the Geology Department at UF and is working with Roger and Doug on his thesis, which examines



the paleoecology of Pleistocene crabs found in Florida.

During 1998, **Emily and Harold Vokes** completed the donation of their collection. Another 65,000 lots of fossil invertebrates, mainly mollusks, were transferred to the IP Division. The 1998 donation is the second such donation of material by the Vokes. The first occurred in 1996 and was significantly smaller. Both the 1996 and 1998 gifts are scientifically valuable additions to the holdings of the FLMNH. Most of the specimens donated are accompanied by high-quality data, including locality, date collected, and collector. The material is generally sorted to species and arranged in cardboard trays by locality. The invertebrate fossils are almost entirely comprised of Cenozoic mollusks from 26 US states and 8 countries of the Caribbean and Central America with an emphasis mainly on the southeastern US. The most scientifically important component of the collection is the vast quantity of material from the early-middle Miocene Shoal River, Oak

Grove, and Chipola formations of northwest Florida. The Vokes spent many years collecting from numerous sites along the creeks and rivers of this area and have amassed the finest and most complete collection of this material anywhere. Included are numerous paratypes and some figured specimens (mostly published in Tulane Studies in Geology and Paleontology). The collection complements the existing research and teaching collections at the FLMNH and will be utilized by future workers, particularly those investigating the molluscan faunas of the southeastern US and Caribbean. Many of the Vokes localities are no longer accessible for collecting, and several of them are represented only by the Vokes' material.

Recently, the **Vokes Endowment** was established in IP to honor Emily and Harold Vokes. The interest generated from the endowment will help fund students and young scientists utilizing the collection and also help offset long-term collection maintenance costs.



## Popular Geology and Paleontology Publications from the Florida Geological Survey

### Geology

- **Guide to Rocks and Minerals of Florida**, by Ed Lane, Special Publication 8 (revised), 1987, 61 p., 23 fig., 13 maps.
- **Florida's Geological History and Geological Resources**, by Ed Lane, Special Publication 35, 1994, 64 p., 40 fig., 2 tables.
- **A Guide Map to Geologic and Paleontologic Sites in Florida**, by F. Rupert, 1989, black and white, Scale: approx. 1 inch equals 20 miles.

### Paleontology

- **New Tertiary Ostracode Fauna from Levy County**, by H.V. Howe; Part II - **The Echinoid Fauna of the Inglis Member, Moodys Branch Formation**, by A.G. Fischer, 1951, Bulletin 34, 112 p., 12 pl., 18 fig., 3 tables.
- **Eocene Mollusks from Citrus and Levy Counties, Florida**, by H.G. Richards and K. Palmer, 1953, Bulletin 35, 96 p., 13 pl.
- **Stratigraphy and Paleontology of the Late neogene Strata of the Caloosahatchee River Area of Southern Florida**, by J.R. Dubar, 1958, Bulletin 40, 267 p., 4 pl., 49 fig., 10 tables.
- **Neogene Biostratigraphy of the Charlotte Harbor Area in Southwestern Florida**, by J.H. Harmon, 1964, Bulletin 44, 209 p., 13 fig., 3 tables.
- **Osteology and Paleontology of the Passerine Birds of Reddick, Florida**, by J.H. Hamon, 1964, Bulletin 44, 209 p., 13 fig., 3 tables.
- **Corals from the Chipola and Jackson Bluff Formations of Florida**, by N.E. Weisbord, 1971, Bulletin 53, 100 p., 8 fig., 15 pl.

### Posters

- **Common Echinoids from Florida**, by R. Portell, C. Oyen, F. Rupert, 1993, Black and white, 22 illus., 22.5 X 35"
- **Florida's Fossil Mammals**, 18.5 X 24", black and white.
- **Earth Systems: The Foundation of Florida's Ecosystems**, by Ed. Lane and Frank Rupert, 1996, color, 40 X 28".

*Publications are available for a nominal fee. Contact: Debra Mekeel, Florida Geological Survey, 903 W. Tennessee St., Tallahassee, FL 32304 (850) 488-9380.*



## IN MEMORIAM

Sadly, the paleontological community lost three of its finest in 1998. The following memorials were compiled and submitted by Roger Portell of the FLMNH.

### HAROLD ERNEST VOKES

June 27, 1908 – September 16, 1998

Harold E. Vokes, retired Professor of Geology, Tulane University, passed away September 16, 1998, at Heritage Manor Nursing Home in Hammond, Louisiana, following a long illness. He was 90 years old. His wife Emily, four children, and six grandchildren survive Dr. Vokes.

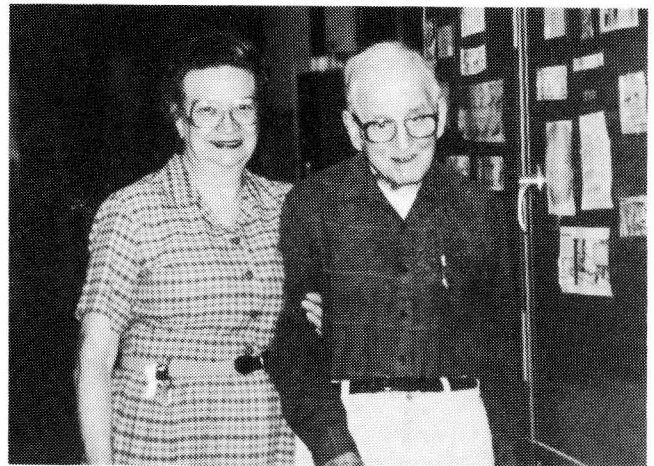
Prior to his work at Tulane, Harold had been associated with a number of prestigious institutions. After completing his doctoral degree in 1935 at the University of California, Berkeley, he received a Post-Doctoral Fellowship at the Peabody Museum, Yale University, under the mentorship of Carl Dunbar. Professor Dunbar was sufficiently impressed with Harold's ability that he recommended him for a post as Assistant Curator of Invertebrate Paleontology at the American Museum of Natural History, New York. He held this position from 1937 until 1941, when he was promoted to Associate Curator of Fossil and Recent Invertebrates, a position he held until 1943.

With World War II upon us, Harold felt that he could contribute something more to the war effort than identifying fossils; he became Senior Geologist for the U.S. Geological Survey, searching for uranium in the Green River Desert. He continued as a WAE (when actually employed – i.e., summertime) for the Survey until 1956, mapping the Coast Range of Oregon, and looking for gas and oil beneath the Columbia Lava Plateau.

After the war, Harold turned to academics, taking a position at the Johns Hopkins University, where he taught from 1945 until 1956, when he was brought to Tulane

University's Department of Geology to establish a graduate program in the department. He served as departmental Chairman from 1957 to 1966 and he remained at Tulane until his retirement in 1978.

During his professional career he served a number of societies. He was Secretary of the Paleontological Society from 1940 to 1949 and President in 1951. He served as Secretary to the International Paleontological Union from 1949 to 1958. He was a member of the International Commission of Zoological Nomenclature from 1944 to 1978, and a Fellow of the Geological Society of America for over 50 years, serving as



Emily and Harold Vokes standing next to their collection in the Geology Department at Tulane University, New Orleans, Louisiana.

Vice President in 1952. He was long associated with the Paleontological Research Institution, serving as a member of the Board of Directors, Vice President, and finally President in 1975-76.

Under Dr. Vokes's guidance, Tulane University became one of the premier institutions for the study of Cenozoic fossils, primarily of the Gulf and Atlantic Coastal Plain. He was responsible for the founding of Tulane Studies in Geology and Paleontology, which for 35 years published works on the fauna of the western Atlantic.

Although he was forced to retire from teaching at the then-mandatory age of 70, he continued to do research until failing health curtailed his activity. Over the 60 years between 1935 and 1995 he published approximately 130



scientific papers (not including numerous abstracts and reviews), the most valuable of which unquestionably was his *Genera of the Bivalvia*, first published in 1967, with a revised edition in 1980, and a final addendum in 1990. In these papers he named in excess of 200 species and 29 genera of invertebrates.

## Evelyn Bradley

April 28, 1911 - March 2, 1998

Evelyn Bradley, who was born in Lynchburg, Virginia, died in a nursing home in Bradenton, Florida, just short of her 87<sup>th</sup> birthday. Evelyn attended the College of William and Mary, where she excelled in all subjects, especially physics and chemistry. It was there that she developed her lifelong interest in sports, playing basketball throughout her school career and becoming an accomplished tennis player. She even played on the men's team, an unusual feat in those days! Evelyn and her husband Ernest (Brad) were also excellent bridge players, in fact, they first met when each was asked to fill in at a bridge game. Afterwards, he took her home, and romance blossomed soon after. Evelyn and Brad were married August 1, 1933, and moved to Arlington, Virginia, where she taught bridge for the next twenty years. Evelyn earned her Life Master, playing in tournaments throughout the country. She eventually took up painting and continued painting most of her life. In fact, when Evelyn and Brad decided to retire and move to Florida in 1953, she chose Sarasota/Bradenton because her favorite painting teacher was there.

The Bradley's love for shelling began shortly after moving to Florida. While walking along Sarasota beaches they discovered the great beauty and diversity of seashells. This prompted them to join the Sarasota Shell Club and attend their first Sarasota Shell Show. It was there, for the first time, they saw a Florida fossil shell exhibit; THEY WERE HOOKED! They began collecting at the "old pit" of Warren Brothers Quarry, a small but fertile excavation in Sarasota. The small pit was later abandoned when the large pit (also known as MacAsphalt and APAC) was opened. Nearly every Saturday morning, for many years, you could find Evelyn

and Brad collecting the Pliocene Pinecrest mollusks being mined from the pit. Later, they began collecting all over southern Florida. Their collection and knowledge of Florida fossil mollusks grew and grew. Eventually, they amassed nearly ten thousand lots of Florida fossils! Evelyn said that her most prized find ever was a new species of gastropod that was ultimately named after her, *Ecphora bradleyae*.

The Bradley's extended universal kindness and generosity to all that showed an interest in their beloved fossils. They were without equal in their willingness to help identify, share specimens and knowledge, and encourage interest with all. Among their many awards, Evelyn and Brad twice won the Dupont Trophy (1971 and 1976). In 1989, they received the prestigious FLMNH Howard Converse Award for outstanding contributions to Florida Paleontology.

The Bradleys became fast friends with most of the fossil shell experts of the time. They enjoyed many discussions and trips with Axel and Elsie Olsson, Shirley and Bob Hoerle, and Steven Stanley. The Bradleys delivered specimens to Thomas Waller and Druid Wilson at the National Museum of Natural History on their trips back to visit Washington, D.C. In later years, Emily Vokes went to see her and helped her identify some of her muricid gastropods.



**Evelyn Bradley, at home in Bradenton, sitting in her favorite chair and discussing the Pliocene Pinecrest shells she loved dearly.**

Eventually, Evelyn fell ill and was forced to lead a quiet and sedentary life (indeed at times she could not get out of bed). Undaunted, she



continued her fossil shell studies by transferring her interest to juveniles and miniatures. The couple sieved fine sediments from the interior of large gastropods for nearly twelve years to amass one of the most complete collections of juveniles and miniatures shells from the Pliocene Pinecrest Beds. Evelyn bent for hours over a microscope, loaned to her by the IP, to marvel at her specimens. She and Brad became fast friends with Roger Portell and Doug Jones at the FLMNH. In time, the Bradley's contributed their meticulously prepared collection of fossil and Recent shells and library to the FLMNH. Evelyn once exclaimed, "I knew our collection should be where scientists can use it. It is important for them to study."

Evelyn will truly be missed.

## Tim Cassady

May 5, 1945 – March 15, 1998

Tim Cassady grew up in Pineville, Louisiana in a house on a 40-acre tract of land across the road from a swamp. During the spring, the water would rise and sometimes flood the road. When the Rapides Parish engineers decided to raise the road to keep it from flooding, Tim's father, John Cassady, allowed dirt to be removed from one portion of their land in hopes of forming a lake. However, the soil was too porous and prevented the pit from holding water year round. So, for usually half the year, the pit was dry and available to explore for fossils and artifacts. Tim and his siblings found their "treasures" in the form of arrowheads, pottery sherds, and fossil shells. They stored these treasures in the family barn. Tim loved the hunt and would search even when the pit was flooded. Tim's sister, Peggy exclaimed, "He could find goods that I never saw, but whenever I found an arrowhead or something, he'd always say how special it was".

In the summer of 1956, the family moved to Marianna, Florida. Here Tim and his siblings discovered Blue Springs. Tim was ecstatic. The water was crystal clear and many fossils lay waiting to be discovered. Peggy didn't dive well (snorkel) or like the cold water, but Tim didn't seem to notice the cold. His lips would turn blue and he would be shivering, but that didn't keep him from looking and finding more "treasures".

When Tim started 8<sup>th</sup> grade he met people who shared his interest and soon discovered other places to fossil hunt - Chipola River, Dry Creek, Shoal River and many others. Tim's oldest sister, Gail remarked, "I can't remember a time when Tim was not collecting". Tim loved the discovery. He loved to find vertebrate fossils (horse teeth, mastodon molars, whale ear bones, and sea cow vertebrae and skull caps), arrowheads, spears, knives, and pottery along with bottles and other treasures in the River. Tim always carefully and lovingly researched, labeled, and cared for his finds.

More recently, Tim hunted mostly for echinoids. He always enjoyed finding sand dollars, sea biscuits, and sea urchins while diving in northern Florida. He especially enjoyed collecting with people who shared his interest in fossils, such as, his fellow enthusiast Byron Shumaker. Beginning in 1990, Tim started donating some of his finds to the FLMNH. One of Tim's most scientifically important finds was a new species of *Brissopatagus* echinoid from the Miocene sediments in Jackson County. Hopefully, it will be named in Tim's honor next year. In 1994, the FLMNH awarded Tim the Howard Converse Award for his outstanding contributions to Florida Paleontology. Tim was a kind, good-hearted person who was always willing to share his stories and his "treasures".



Tim Cassady getting ready to fish on the Chipola River (during one of those rare times he wasn't hunting fossils!)



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Announcing the Florida Paleontological Society's



**GARY S. MORGAN  
STUDENT RESEARCH  
AWARD**

**7th ANNUAL COMPETITION**

**Prospectus and General Overview**

The Florida Paleontological Society (FPS) is pleased to announce the 7th annual competition for its student research award, now named the Gary S. Morgan 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 Florida paleontology include invertebrates, vertebrates, microfossils and plants. This award is open to any **college student, undergraduate or graduate**, in good standing at a Florida college or university.

For this seventh competition, the FPS has allocated an award of up to \$500. The purpose of this grant 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, or salaries and wages. The **deadline** for receipt of proposals is **1 March, 1999**.

<sup>July</sup> Applications must be postmarked on or before the deadline and be sent to the Awards Chairman at the address listed below. Applications will be screened by a committee and will be judged based on the following criteria: (1) merit of proposed research, (2) feasibility of the project, (3) clarity of expression, and (4) a letter of recommendation from a faculty sponsor. The screening/award committee shall consist of professional and hobbyist paleontologists. In order to avoid potential conflicts of interest, students whose advisor serves on the committee are ineligible to apply. The Awardee will be notified after May 15th, 1999, and a check for the requested amount (up to \$500) will be sent by the Treasurer to the recipient.

It is expected that, during or after completion of the research, the recipient(s) will present the results of their discoveries and additions to knowledge 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 will be paid by the FPS (but this does not have to be included in the originally requested budget).

**Application Process and Requirements:**

The application process is intended to be short - thus, items 1-4 below 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 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 short budget of proposed expenditures.
5. Appended to this proposal there must be 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 statement that he/she will supervise the research.

Applications should be submitted by 1 <sup>July</sup> ~~March~~, 1999 to:

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



**FLORIDA PALEONTOLOGICAL SOCIETY, INC.**

**REVENUE AND EXPENSE REPORT**  
November 1, 1997 - October 31, 1998

**REVENUE**

Membership Dues	\$2,360.00
Publication Sales	
Beach and Bank Collecting	2,713.32
Brayfield Book	1,540.91
Handbook of Paleo Prep.	334.75
Plaster Jacket	0
Papers in Fla. Paleo	35.75
Leisey Volume	53.00
Butvar	235.00
Miscellaneous	
Meetings	0
Auction	878.75
Donations	221.55

**TOTAL REVENUE** \$8,383.03

**EXPENSES**

Newsletter	\$ 518.17
Postage	\$ 556.85
Miscellaneous	
Meetings	\$1,385.60
Donation to UF Foundation	5,000.00
Misc. Printing	501.00
State Filing Fee	61.25
Other (refund over payment)	8.44

**TOTAL EXPENSES** \$8,013.31

**STATEMENT OF ASSETS**

**CASH**

Checking	\$8,102.88
Savings	13,583.31
Merrill Lynch	10,324.00

**TOTAL CASH AND CREDIT** \$32,010.19

**INVENTORY**

Beach and Bank Collecting (2,909 @ \$1.43)	\$4,159.87
Handbook of Paleo Prep (1,021 @ \$3.98)	\$4,063.58
Brayfield Book (556 @ \$4.36)	\$2,424.16
Plaster Jacket (2,825 @ \$.50)	\$1,412.50
Papers in Florida Paleo. (1,542 @ \$1.50 and 30 @ \$2.50)	\$2,388.00
Leisey Volume (23 @ \$10.00)	\$ 230.00
Butvar (15 lbs @ \$4.91/lb)	\$ 73.65

**TOTAL INVENTORY** \$14,751.76

**TOTAL ASSETS** \$46,761.95







# FLORIDA PALEONTOLOGICAL SOCIETY, INC. APPLICATION FOR MEMBERSHIP

Mail completed form to: Florida Paleontological Society  
Florida Museum of Natural History  
University of Florida  
Gainesville, FL 32611

New \_\_\_\_\_ Renewal \_\_\_\_\_ Member Number (From label) \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_  
Zip Code \_\_\_\_\_ Telephone \_\_\_\_\_  
E-mail Address \_\_\_\_\_

## TYPE OF MEMBERSHIP

- |                                      |   |
|--------------------------------------|---|
| 1. INDIVIDUAL ACTIVE (\$15.00) _____ | 2. SUBSCRIBER (\$15.00) _____           |
| 3. INSTITUTIONAL (\$15.00) _____     | 4. GIFT (Mark Type) _____               |
| 5. FAMILY (3 or more. \$25.00) _____ | 6. COUPLES (\$20.00) _____              |
| 7. SUSTAINING (\$50.00) _____        | 8. ASSOCIATE (Under 18<br>\$5.00) _____ |

FAMILY AND COUPLES PLEASE LIST NAMES OF ALL APPLICANTS IF NEW. PLEASE COMPLETE PERSONAL FACT SHEET BELOW IF NEW OR CHANGES HAVE OCCURRED SINCE PREVIOUS YEAR.

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 _____	_____	_____	_____
EOCENE _____	_____	_____	_____
EARLIER _____	_____	_____	_____

4. LIST ANY PREFERRED TYPES (Horses, Sloths, Echinoids 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, PREPARATION, 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!

## 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 \$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. A Sustaining membership is also available for \$50. 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 slews 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.