



FLORIDA PALEONTOLOGICAL SOCIETY NEWSLETTER

VOLUME 22 NO. 2

FALL 2005

Florida Paleontological Society Spring Meeting – April 16-17, 2005 Gainesville, Florida

On Saturday, April 16th, FPS members began arriving at the Florida Museum of Natural History (Powell Hall) at 8:30 a.m. We signed in and received our FPS name badges

made, and we discussed possible designs. (Most entertaining was Richard Hulbert's idea to the place an anterior view of the *Hexobelomeryx simpsoni* — the six-horned pronghorn in the FPS logo — on the front of the shirts, and a posterior view on the back. The “coming and going” views would certainly turn heads!)



The Spring FPS meeting attendees at Haile Quarry. Both fossil invertebrates and vertebrates were found in abundance.

— created by George Hecht (Treasurer) — which were a great help in meeting new and familiar colleagues.

At 9:00 a.m., Roger Portell (President) and George kicked off our first FPS business meeting of the year. George discussed a plan to have FPS-logo T-shirts and coffee mugs

We also discussed the need for club liability insurance that would enable us to visit a wide range of fossil sites that are otherwise closed to uninsured groups. Our semiannual fossil collecting trips are important to many members, so we agreed with Roger that insurance coverage is a priority issue.

**FLORIDA PALEONTOLOGICAL SOCIETY
OFFICERS AND BOARD**

President:	Roger Portell, Florida Museum of Natural History Box 117800, Gainesville, FL 32611 portell@flmnh.ufl.edu
President-Elect:	Melissa Cole, 904 Red Bird Lane, Altamonte Springs, FL 32701 leaf123456@aol.com
Past President:	Joyce Bode, 4906 Colonnades Circle E, Lakeland, FL 33811 jbode@tampabay.rr.com
Vice President:	Marge Fantozzi, 101 Olympus Drive, Ocoee, FL 34761 mfantozzi@aol.com
Secretary:	Marcia Wright, 1550 Mizell Avenue, Winter Park, FL 32789 mmorganw@aol.com
Treasurer:	George Hecht, Florida Museum of Natural History Box 117800, Gainesville, FL 31611 ghecht@flmnh.ufl.edu

BOARD OF DIRECTORS

Jami McLaughlin, Orange City, 2007	Sue Hutchens, Old Town, 2005
Gordon Hubbell, Gainesville, 2006	Robyn Miller, Jax Beach, 2006
Brian Ahern, Temple Terrace, 2007	Steven Hutchens, Old Town, 2005
Tom Ahern, Temple Terrace, 2007	Barbara Toomey, Gainesville, 2007
Ernest Guysinger, Orange City, 2007	Bernie Peterson, Cocoa, 2006

COMMITTEES AND APPOINTMENTS

Book Committee:	R. Hulbert
Nominations:	R. Miller
Finance:	G. Hecht, R. Portell
Membership:	G. Hecht
By-Laws:	R. Miller, B. MacFadden
Honorary Members and Awards:	R. Portell, S. Hutchens
Historical:	S. Hutchens
Board of Editors:	R. Portell, R. Hulbert, J. Herrera, F. Rupert
Resident Agent:	B. MacFadden

HONORARY MEMBERS

Anita Brown, David Webb, Barbara Toomey, Gary Morgan,
Clifford Jeremiah, Reed Toomey, Gordon Hubbell

LIFE MEMBERS

Joan Herrera
Richard Hulbert
Roger Portell
James Toomey
Barbara Toomey

INFORMATION, MEMBERSHIP, AND PUBLICATIONS

Address: Secretary, Florida Paleontological Society, Inc.
Florida Museum of Natural History, P.O. Box 117800
University of Florida, Gainesville, FL 32611-7800
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email: fps@flmnh.ufl.edu

Don Monroe and Tom Pertierra, members of the Sunshine State Archeological Society, asked to speak about the state's Isolated Finds Program, which may be dismantled pending a meeting of the Division of Historical Resources on May 21, 2005. An "isolated find" is an artifact — such as a prehistoric stone tool, arrowhead, coin, or bottle — recovered from a Florida river. Don and Tom urged us to voice our support for the program, which can be reorganized as a permit system (similar to the current Fossil Permit). If the Isolated Finds Program is abolished, will the Fossil Permit Program become a target? For information about the Isolated Finds Program, see <http://www.flheritage.com/archaeology/underwater/finds/>.

Presentation: Fossil Bears and Bear-like Carnivores from Florida

Richard Hulbert kindly stepped in to cover for our scheduled speaker, Jonathan Bloch, who was ill and unable to use his voice. Richard's presentation focused on "Fossil Bears and Bear-like Carnivores from Florida". Over 1,000 known bear fossil sites provide a nearly continuous record of life for the last 25 million years, and new major sites are discovered every 2-4 years. Richard discussed the fossil record of *Tremarctos floridanus*, *Ursus americanus*, *Arctodus pristinus*, and other relevant species. Using excellent images, Richard compared the different characteristics of each species.

Presentation: Breathing Life into Old Bones

Steve Hutchens presented a step-by-step overview of the intense job of skeletal reconstruction. Steve and his wife, Suzan, have reconstructed numerous vertebrate specimens that are now on display in the Florida Museum's Hall of Florida Fossils. When asked which skeleton was the most difficult and time-consuming to reconstruct, Steve replied (without hesitation), "the *Holmesina floridanus* (giant armadillo) that stands in the Hall of Fossils!" At the beginning of that reconstruction project, Steve received about 800 osteoderms (scutes) in bags. He spent months laying out the osteoderms in trays, like a huge jigsaw puzzle, to reconstruct the *Holmesina*'s spectacular carapace.

“Stump the Paleontologist” and Other Activities

Our “Stump the Paleontologist” panel consisted of Richard Hulbert (vertebrates), Terry Lott (paleobotany), Roger Portell (invertebrates), and Gordon Hubbell (sharks). These experts examined and identified fossils brought by attendees. Other activities, especially geared to children, included fossil rubbings, castings from clay, and paper-cut dinosaurs. The Invertebrate Paleontology and Paleobotany divisions also provided volunteers who displayed and explained many interesting specimens from the collections.

Presentation: Ostracodes, Conodonts, and Other Microfossils

George Hecht used stunning slides in his presentation on ostracods, conodonts, forams, and radiolarians. After seeing the beautiful microscopic

structures of radiolarians, several of us remarked that they would make fabulous textile patterns or artwork. For those who don't know, George is most fascinated by ostracodes, and he explained how he was first introduced to these fossil creatures while working for three years at the Smithsonian. Our appreciation for George's patience (and visual acuity) grew as he explained that ostracodes are sorted and positioned on slides by type, gender, and other factors that are practically invisible to the untrained eye.

Dinner and Auction

After a delicious barbecue dinner, we had a hilarious auction of books, T-shirts, fossil casts, and other donated items. Our auctioneer,

Roger Portell, enlisted his daughter Jen to act as our “Vanna White” and display each item as it came up for bid. The auction was great fun (I haven't laughed so much in a long while!), and the generous bids netted FPS \$704.

Fossil Collecting at Haile Quarry

On Sunday morning, after a productive Board meeting, our caravan went to the Haile Quarry Complex outside Gainesville. The

cool, clear weather was perfect for fossil hunting in the Eocene Ocala Limestone spoil piles in the quarry.

In the first quarry we explored, our finds included many types of echinoids, foraminifera, crabs, and gastropod molds. Just as we moved to explore another section

of quarry, we heard a whoop of delight as Terry Lott examined a beautiful bear incisor discovered by his daughter (Annie) that she found lying on the surface of a spoil pile. After admiring her find, we all got busy searching for more treasure. At the end of our expedition, we all gathered together to share our best fossil finds, which included several horse teeth, a large turtle humerus and other turtle bones and shell fragments, a camel astragalus, giant ground sloth teeth fragments, and several small carnivore bones.

Many thanks to all, who helped to make this FPS weekend such an enjoyable one!

Submitted by Jami McLaughlin



Steve and Sue Hutchens and George Hecht wait for others to join them after Steve found



FPS member and FLMNH Invertebrate Paleontology volunteer, Laurie Samuel looking for small crab carapaces in the Eocene Ocala Limestone.

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 X

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. 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.

Florida Paleontological Society, Inc. (FPS)

Minutes of Board Meeting held at the Florida Museum of Natural History in Gainesville, Florida

April 17, 2005 – 8:00 AM

The meeting was called to order by President, Roger Portell. In attendance were: Vice President Marge Fantozzi, President-Elect Melissa Cole, Treasurer George Hecht, Secretary Marcia Wright, and Board of Directors Jami McLaughlin, Ernest Guysinger, Bernie Peterson, and Gordon Hubbell. FPS members Carol Peterson and Wally Ward also attended.

The first old business concern addressed was the society's need for field trip insurance. Marcia Wright provided further information from the Florida Fossil Hunters in Orlando and shared that information with the group. Roger Portell will investigate further and report to the society.

There will be a field trip associated with the fall 2005 meeting and with both 2006 meetings.

Promotional and income-producing items will include T-shirts (with FPS logo) and mugs. There may also be caps and/or visors. (The initial number of T-shirts will probably be around 50, and the number of mugs produced 1 – 2 dozen.)

The request for a financial commitment for the S. David Webb volume (by the Managing Editor of the Bulletin of the FLMNH) will be honored for at least \$1000, but no contribution will be made until actual cost of the publication and publication date are known.

In an effort to have a website for the society, Jami McLaughlin will consult with George Hecht and Sarah Fazenbaker (FLMNH webmaster) about how to set it up. This will be done in the near future.

In new business, Marge Fantozzi moved and Jami McLaughlin seconded the motion to increase

the price of Butvar for sales to the members and the public. The bulk price will be \$8 per pound, \$8 per pound to society members and \$10 per pound retail. The mailing costs will be an addition for all sales requiring a mailing. The motion passed.

The fall meeting of the society will probably be in the Brevard County area in November. It will include a field trip to a site to be arranged by the FPS President. The field trip may be to one of several sites such as Ruck's Pit or Dickerson's Pit. The actual dates will be set at a later time.

Melissa Cole moved and Marcia Wright seconded a motion to have FPS coordinate our spring meeting with - and assist and participate of - the March 10 – 12 meeting of the Mid-Continent Paleobotany Society meeting at the FLMNH in 2006. Any financial commitment on our part will be limited to \$1000. Our members will also help with person power and setups where possible. The motion passed.

Roger Portell announced that *Florida Fossil Invertebrates* publications continue with Volume 8 (Brachiopoda) coming out in August or September. Volume 9– 12 will include issues on corals, trace fossils, and mollusc faunas.

Marcia Wright moved and Melissa Cole seconded a motion that the FPS reimburse Roger Portell and George Hecht for fuel used during set-ups for fossil fairs and while organizing FPS-related field trips. The motion passed.

The meeting was adjourned at 8:55AM in order to start the field trip at 9:00AM departing from Dickinson Hall.

Respectfully submitted,
Marcia Wright, Secretary
Winter Park, FL

News from the Florida Museum of Natural History's Invertebrate Paleontology Division

With the completion (and opening) of the **Hall of Florida Fossils: Evolution of Life and Land** in May 2004, **Roger Portell**, his staff, and volunteers continued their efforts to curate and database the state's Invertebrate Paleontology Collection. Currently, over 1.35 million specimens have been fully curated, and databased (total IP Collection size is now estimated at nearly 4.5 million specimens!). Additionally, a new IP website was developed and implemented (some parts are still "under construction") that allow users to browse much of the collection data and view images of some of the fossils. The site was designed for easy and frequent updates, so please visit the new website (<http://www.flmnh.ufl.edu/databases/ivp>) often and feel free provide feedback.

During 2004-2005 individual fossils and fossil collections were donated on a regular basis. Most noteworthy were: the **William and Carol Lyons/Florida Marine Research Institution** collection consisting of nearly 200 boxes of washed and sorted fossil molluscs collected from southern Florida; four southern Florida shell collections donated by **Trudy White, Helen Valentine Waite, Virginia Faunce Douglas**, and the **Nick Panos** family; 1000 scientific publications pertaining to fossil and Recent crustaceans donated by **Jackson Lewis**; and a spectacular 4 foot by 5 foot slab of *Arthropycus* from the Silurian/Devonian of Tennessee given by **Jonathan Moser**. *Arthropycus* is thought to represent feeding traces of tri-

lobites. Furthermore, **Andreas Kerner** continued to donate unusual echinoids and pyritized shells from the Peace River; **Mark Gray** and **Gary Bielefeld** donated specimens of a new species of *Costacopluma* (crab) from the Eocene of southern Alabama (Roger and Rodney Feldmann are currently describing this new species); **Carol and Bernie Peterson** collected and donated a new species of *Brissus* (echinoid) from the Vulcan Mine; **Terry Raymond** donated some interesting fossils collected around Venice, FL; **Margaret Winn** donated a near-perfect fossil *Cassis* (helmet shell) found in a Collier County shell pit; **Harley Means** continued to find and donate many new and interesting echinoids and shells from the Florida panhandle; and **Marge Fantozzi, Bea Sweet, Raymond**

Dykeman, Jim Ranson, Wally Ward, Frank Pierce, Bob Kercher, Linda Kuszynski, and others donated to the state's collection, rare or unusual fossil specimens.

Financial support during 2004-2005 for numerous collection and research initiatives in IP and for IP student support is also gratefully acknowledged. Thanks to: the **Naples Shell Club,**

Terry Raymond, Gary and Bernice Schmelz, Southwest Florida Fossil Club, Barbara and Reed Toomey, James and Lori Toomey, and Mike and Heidi Toomey.

Roger conducted a considerable amount of fieldwork 2004-2005 both in Florida and the Caribbean. In July, 2004 Roger and **David Harper** (University of Copenhagen) visited Puerto Rico and collected in the Middle Miocene to Lower Pliocene Ponce Limestone and the Oligocene Diaz Formation. Later, they collected in the Oligocene Antigua Formation of Antigua. Roger and David are documenting new exposures and fossils on both



Sean Roberts (left) showing off some IP Division specimens

islands. Afterwards, Roger met up with **George Hecht**, **Sean Roberts**, **Craig Oyen**, Harley Means (Florida Geological Survey), and **Tom Stemann** (University of the West Indies) and with funding from both private and National Geographic Society funding, collected in the Pliocene Hopegate Formation. The field study of the Hopegate is now complete and the fossil will be prepared and studied. In October 2005, Roger, David Harper, **Michael Savarese**, and FGCU student **Amanda Bridges** visited Curacao to collect in the rich Seroe Domi Formation. Here, new species of fossil crabs, brachiopods, echinoids, and molluscs were discovered.

Recently, Roger co-authored an article on Florida fossils with **Greg Herbert** (University of South Florida). The article was entitled "First paleontological record of larval brooding in the calyptraeid gastropod genus *Crepidula* Lamarck, 1799" and was published in the *Journal of Paleontology* in 2004. Roger also published five papers on fossil crabs, cephalo-

pod, sponges, brachiopods, and echinoids of Jamaica with various co-authors. In his article entitled "Decapod crustaceans of the Lower Miocene Montpelier Formation, White Limestone Group of Jamaica" Roger and **Joe Collins** described 16 new species and two new genera of small crabs. One of those crabs was named for **Kevin Schindler**, a former FPS member and long time employee in IP. Another was named in honor of the Toomey family, who spent time with Roger in Jamaica collecting the fossils. Additionally, Roger is active serving as Chairman of the STATEMAP Advisory Committee. STATEMAP is a federal project that provides funding to state geological surveys to produce updated geological maps.

As FLMNH building manager of Dickinson Hall, George spent much of this year focused on overseeing the replacement of the heating and cooling systems for Dickinson Hall. When time permits, George continues picking, sorting, and identifying fossil ostracodes from Florida localities. The posting of the online Invertebrate Paleontology Database also gave him additional work checking nearly 500 cataloged lots of ostracodes for completeness and accuracy of the data. And as mentioned above, he assisted Roger on several collecting trips (2005 is the first time in five years that George did

not get to go to Jamaica and he was unhappy about it (but to be fair, Roger didn't go either)! In 2006, George hopes to get back to a normal routine now that the construction project at Dickinson is complete which will allow more flexible time in the Invertebrate Paleontology Division collections.

Sean's regular IP duties include

collection, preparation, cataloging and photography of fossil invertebrates from the SE USA and Caribbean. He is currently working on updating the IP database, including photographing the entire Holotype collection for display on the new IP website. Also, as President of the Florida Speleological Society, his research interests include mapping and photographic documentation of Florida caves (both wet and dry), as well as voucher collecting of fossil invertebrates found therein. Sean is also a member of the National Speleological Society and works part-time (some weekends and evenings) for the Florida Geological Survey Springs Initiative Project.

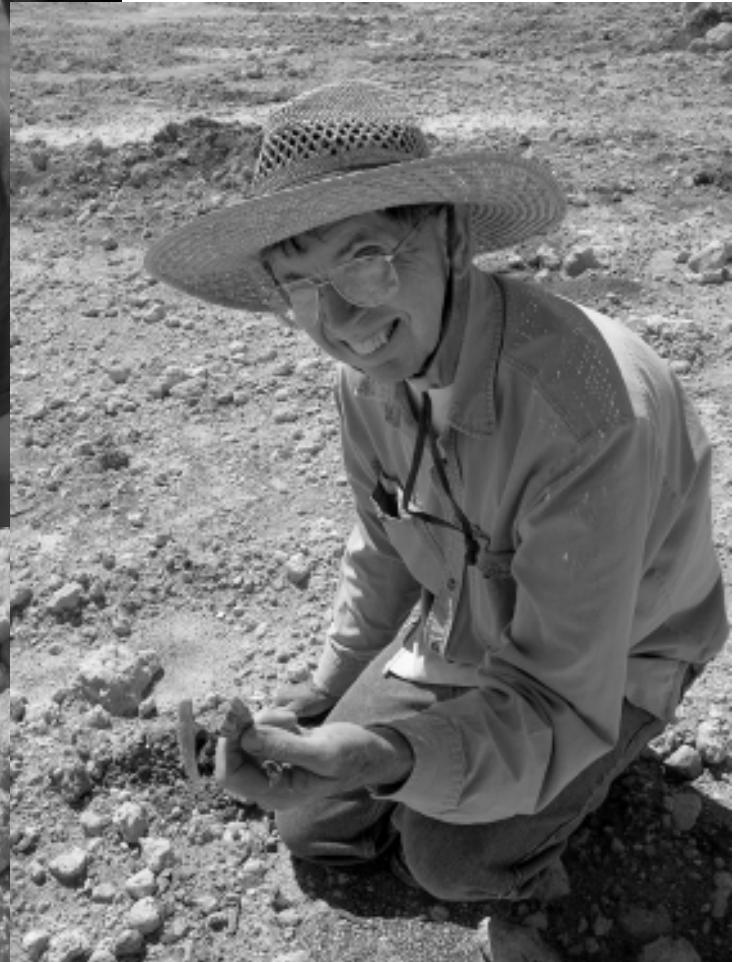


Tom Ahern, Roger Portell, Dave and Billy Cale (left to right) talking fossils.



Annie Lott (left) with her prize bear incisor found in a solution feature while collecting at Haile Quarry.

Steve Hutchens (below) with a big smile after locating a cache of vertebrate fossils.



Jennifer Hecht on the hunt for crabs and echi-noids. Hopefully, George won't confiscate them for the collection!

Craig W. Oyen

June 27, 1963 – September 5, 2005

Dr. Craig W. Oyen, 42, of Shippensburg, Pennsylvania, died unexpectedly in Arizona on Monday, September 5th. Born in Williston, North Dakota on June 27th, 1963 to W. Herbert and Norma Oyen, he graduated with honors as the Williston High School Senior Class President in 1981. He earned his Bachelor of Science at North Dakota State University (Fargo), continued with graduate studies at the University of Tennessee (Knoxville), and completed his Ph.D. in Geology at the University of Florida (Gainesville). His dissertation was entitled "Biostratigraphy and Diversity Patterns of Cenozoic Echinoderms from Florida". Following three years on the faculty of Georgia Southern University (Statesboro), in 1998 he joined the faculty of Shippensburg University, where he was an Assistant Professor in the Geography and Earth Science Department. Craig maintained an active, enthusiastic involvement in paleontologic research (mainly Florida fossil echinoids), resulting in numerous national and international publications and presentations, and travels to locations around the globe. He enjoyed teaching immensely, and his students benefited from worldwide field study locations. At the time of his death Craig was on sabbatical from Shippensburg University, working with the National Park Service in the Grand Canyon, a place he dearly loved.

Craig was a Florida Paleontological Society member since 1993 and was the very first recipient of the FPS's Gary S. Morgan Student Research Award. Among

his many professional and popular publications dealing with Florida Paleontology are:

R.W. Portell, **C.W. Oyen** & F. Rupert. 1993. Common Cenozoic Echinoids from Florida. *Florida Geological Survey Poster Series* (out of print).

C.W. Oyen & R.W. Portell. 1996. A new species of *Rhyncholampas* (Echinoidea: Cassidulidae) from the Chipola Formation: The first confirmed member of the genus from the Miocene of the southeastern U.S.A. and the Caribbean. *Tulane Studies in Geology and Paleontology*, 29(1-2):59-66.

R.W. Portell & **C.W. Oyen**. 1997. Occurrence of the regular urchin *Eucidaris tribuloides* from the Tamiami Formation (Pliocene) of Florida. *Tulane Studies in Geology and Paleontology*, 30(2):99-104.

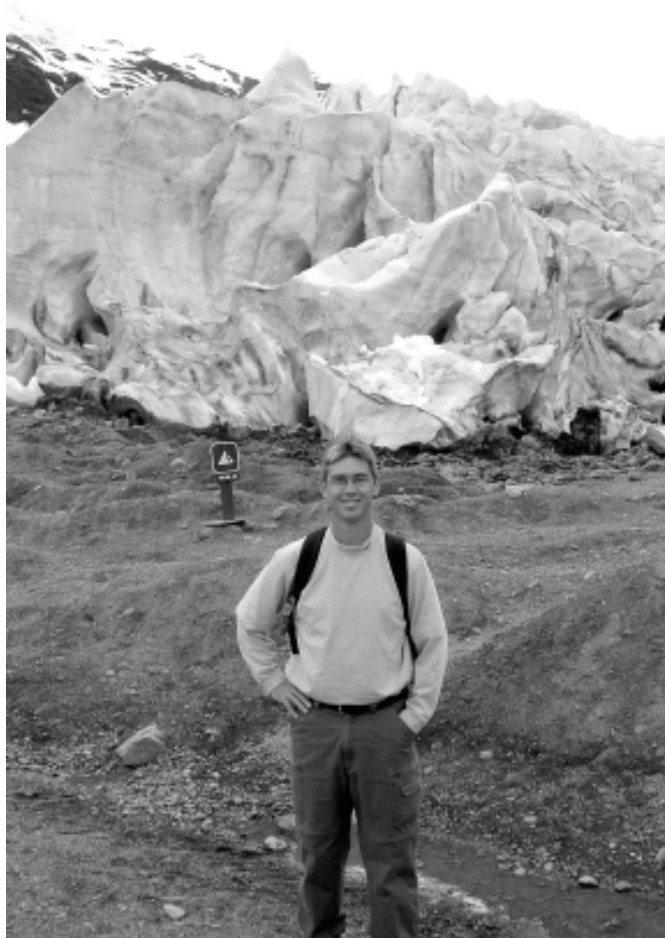
C.W. Oyen, K.B. Fountain, R.W. Portell & G.H. McClellan. 2000. Occurrence of Plio-Pleistocene phosphatized macro-invertebrates from the upper west Florida slope, eastern Gulf of Mexico. *Bulletin of the Florida Museum of Natural History*, 42(5):219-252.

R.W. Portell & **C.W. Oyen**. 2001. Eocene Echinoids. *Florida Fossil Invertebrates*, 1:1-24.

C.W. Oyen & R.W. Portell. 2001. Diversity patterns and biostratigraphy of Cenozoic echinoderms from Florida. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 166:193-218.

R.W. Portell & **C.W. Oyen**. 2002. Pliocene and Pleistocene Echinoids. *Florida Fossil Invertebrates*, 3:1-30.

C.W. Oyen & R.W. Portell. 2002. Oligocene and Miocene Echinoids. *Florida Fossil Invertebrates*, 2:1-22.



Dr. Craig Oyen during a recent trip to Alaska to explore glaciers (just for fun).

Treasurer's Report

I am pleased to report that wholesale book orders are increasing, an indicator that tourism is on the rebound in Florida and the southeast U.S. where we conduct most of our business. I applied for, and received a retail sales permit that allows us to make retail sales of our products. This means that individual orders for books and Butvar will be subject to a 6.25% sales tax within the state of Florida. Remember that product sales have kept membership dues at the same level for many years. Speaking of products, I have done some research and found that the consolidant of choice for paleontological preparation labs is no longer Butvar but a similar product Vinac. Vinac comes in a micro bead form and can be mixed with acetone or alcohol to varying consistencies to glue or harden shell and bone. Price per pound will be \$7.00 for individual FPS members, \$7.50 per pound wholesale to fossil clubs, and \$10 retail (if you are on the email list you already have this information). Another product I hope to have ready for the fall meeting is the first edition FPS coffee mug with the classic *Hexameryx* logo, price expected to be between \$8-\$10 for members. If you want to reserve a mug (and save shipping costs) please indicate with your meeting RSVP. Now is also the time to renew your FPS member dues. Please return the renewal form before January 15th to keep the newsletters and publications flowing. As always, please send me any address or email changes. If I get a returned newsletter without a forwarding address, I have no way of contacting you without an email address or a phone number. If you have an e-mail address and have not given it to me, please do so.

Thank you,
George Hecht

FPS Product Sales

**Prices are for current FPS members only
Shipping and Handling Extra**

Vinac 15 (price per pound)	\$7.00
MC Thomas, Beach and Bank Collecting	\$5.00
H Converse, Paleo Preparation Techniques	\$10.00
Hulbert, Fossil Vertebrates of Florida	\$31.00
Sinibaldi, Fossil Diving	\$10.00
Sinibaldi, Paleo Dictionary	\$6.00
Papers in Florida Paleontology	\$4.00/set

Florida Fossil Invertebrates

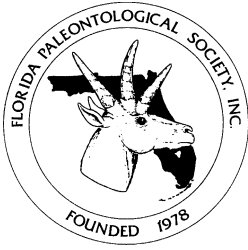
Part 1, Eocene Echinoids	\$5.00
Part 2, Oligocene and Miocene Echinoids	\$5.00
Part 3, Pliocene and Pleistocene Echinoids	\$5.00
Part 4, Pliocene and Pleistocene Decapod Crustaceans	\$5.00
Part 5, Eocene, Oligocene, and Miocene Decapod Crustaceans	\$5.00
Part 6, Larger Foraminifera (Introduction)	\$5.00
Part 7, Larger Foraminifera (Common Taxa)	\$5.00
Part 8, Brachiopods	\$5.00
Part 9, Mollusca (Shoal River Formation)	\$7.00

Fossil Species of Florida

Number 1, <i>Mammot americanum</i>	\$4.00
Number 2, <i>Tapirus veroensis</i>	\$4.00
Sales Tax to be added (for Florida residents)	6.25%

To purchase the above items, please contact:

George Hecht, Treasurer
Florida Museum of Natural History
Box 117800
University of Florida
Gainesville, Florida 32611-7800



Announcing the Florida Paleontological Society's

Gary S. Morgan Student Research Award

10th ANNUAL COMPETITION

Prospectus and General Overview

The Florida Paleontological Society (FPS) is pleased to announce the 10th 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 10th 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 2005.

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 2005 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 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 2005 and sent to:

Roger Portell, Awards Chairman
Florida Paleontological Society
Florida Museum of Natural History
P.O. 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.