



FLORIDA PALEONTOLOGICAL SOCIETY NEWSLETTER

VOLUME 32 NO. 1

WINTER 2016

Florida Paleontological Society, Inc. Fall Meeting – October 2015 Alachua, Florida

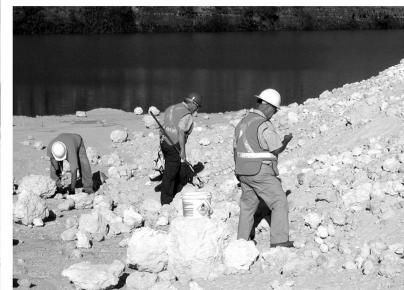
Fall Meeting Report

By: Michael Reagin

During the Late Eocene, 35 million years ago, North Florida lay under a warm tropical sea. The world was different then as the northern continents of North America and Europe lacked the land bridges connecting them to their modern southern counterparts. In their place was

an equatorial waterway called the Tethys Sea whose east to west current greatly influenced the life found in Eocene Florida with many species closely related to those of comparable aged sediments in Europe. The limestone that formed in Florida during that time is called the Ocala Limestone and it was rich in invertebrates including over 30 species of echinoids as well as corals, large foraminifera, mollusks and crabs. Although rare, primitive archaeocete whales and large sea snakes (related to boas) would wander down from their near shore habitat in

Continued on Page 3...



Members exploring, learning, collecting and enjoying a beautiful day at Haile

Photo Credits: Paul Roth, Mike Hein

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.

Section 10. Members shall not discard any foreign materials (such as emptying buckets/bags from a previous collecting trip) that would cause cross contamination at any site, potentially endangering future research data.

Important Updates

Dear Members, Please check that your contact information is up-to-date, physical address, as well as email addresses, and phone numbers. With email accounts changing like the seasons we need to update our database with your new email (if it has changed) so that you may still receive email announcements. There is a new PDF membership form on our website <http://floridapaleosociety.com/membership/> that will make it easier to fill out and print, or email to us if updates are needed. Please include a cell phone number, if available, for use on field trip weekends. Also, FPS will now require you to ***provide your own safety vest*** for field trips ***or*** we now have in-stock FPS Logo safety yellow t-shirts available for purchase @ \$12 that can serve as an alternative ***safety vest*** replacement, alternatively you may procure your own safety vest at your local hardware store, it must be a ***standard*** fluorescent safety orange, or safety yellow/lime color. FPS will still provide hard hats for trips, though you are encouraged to bring your own MSHA standard hard hat IF available. Thank you for your cooperation.

*******Reminder*******

Please fill out your annual Fossil Permit report on vertebrate fossils that you've collected on state lands this past year. This is a requirement to renew your State of Florida permit.

http://www.flmnh.ufl.edu/vertpaleo/amateur-collector/fossil_permit

*******Please Collect Responsibly*******

ANNUAL DUES for the FPS are \$10.00 for Associate Membership (persons under age 18) and \$20.00 for Full Membership (persons over age 18) and Institutional Subscriptions. Couples may join for \$25.00, and Family Memberships (3 or more persons) are available for \$30.00. 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.

Alabama and Mississippi to die and leave their remains within the Ocala Limestone as well.

It was with the promise of such treasures that some fifty members of the Florida Paleontological Society met at the Alachua Quality Inn on a bright and pleasant Fall morning for a fieldtrip to the famous Haile Quarry. Mined continuously since the late 1800s, Haile is famous not only for the Eocene invertebrates of the Upper Ocala but also for the solution sink holes found within the Limestone which trapped a multitude of Miocene to Pleistocene vertebrates. After breakfast socializing and check in, the attending members caravanned to the quarry where Roger Portell gave the group a safety lecture and brief talk about the history of the quarry and its paleontology. Set loose, eager collectors hit the spoil piles and immediately the expected Ocala finds were encountered including echinoids such as *Oligopygus haldemani*, *Weisbordella cubae* as well as rarer cassiduloids.

Examples of crabs (both carapaces and claws) were found along with numerous *Lepidocyclina* foraminifera, internal casts of mollusks and corals including a rare undescribed solitary species. In his briefing, Roger had described how the Upper Ocala at Haile is mined down to the hard recrystallized Lower Ocala which contains Florida's unofficial state fossil, the echinoid *Eupatagus antillarum* and which a few lucky collectors were fortunate to find on this day. Roger led the group to another spoil pile similar to the first before visiting a solution sink in the quarry that is known for Miocene vertebrates. Vertebrate remains here were

elusive except for a few fragments, however in the overlying Pleistocene sediments gar scales were somewhat common among tiny freshwater gastropods.

After the fieldtrip, everyone departed for showers, cold beverages and college football before that evening's fall meeting in nearby High Springs at the highly regarded Opera House. Two time winner of Florida Trend's Golden Spoon Award, the renovated opera house was step above our typical dinner hosts with a

welcomed cash bar and an excellent menu. The silent auction once again featured books, casts and other related items which help fund the society's functions. Afterwards Pam Plummer was awarded the Howard Converse Award for her contributions as an amateur paleontologist for helping with coordination of National Fossil Day activities and the fossil museum at the Shell Factory. The evening concluded with excellent talks from museum staff on their research. Alexis



Pam Plummer receives the FLMNH Howard Converse Award at the Fall 2015 Meeting

Rojas discussed his research on gastropod predation on Pliocene brachiopods found in Florida, Virginia, and Columbia while Joshua Slattery discussed the ecological conditions exhibited at classic localities within the Lower Miocene Chipola Formation. In the cleverly titled "Silence of the Clams" UF's Dr. Michal Kowalewski discussed the use of recent shell accumulations as ecological indicators of climate change by comparing recently deceased mollusks to percentages of shells decades to thousands of year old also found on the beach. Afterwards we all said our farewells until we meet once again in spring.

**FLORIDA PALEONTOLOGICAL SOCIETY
OFFICERS AND BOARD**

President:	Paul Roth, PO Box 608, Waldo, FL 32694-0608 Email: proth@windstream.net
President-Elect:	Kevin Hutchenson, 627 Sugarwood Way, Mebourne, FL 32940 Email: hutchkd@brevard.net
Past President:	Harley Means, Florida Geological Survey, 3000 Commonwealth Boulevard, Suite 1, Tallahassee, FL 32303 Email: Guy.Means@dep.state.fl.us
Vice President:	Michael Reagin, 303 Brookview Drive, Dallas, GA, 30132 Email: reagin.michael@gmail.com
Secretary:	Marcia Wright, 1550 Mizell Avenue, Winter Park, FL 32789 Email: mmorganw@aol.com
Treasurer:	Phil Whisler, Florida Museum of Natural History Box 117800, Gainesville, FL 32611 Email: treasurer.fps@gmail.com

BOARD OF DIRECTORS

Bonnie Cronin, Groveland, 2016	Russell Brown, Groveland, 2016
Alex Kittle, Wilmington, DE 2017	Cindy Lockner, Orlando, 2017
Bernie Peterson, Cocoa, 2018	Carol Peterson, Cocoa, 2018
Joan Herrera, St. Petersburg, 2018	

COMMITTEES AND APPOINTMENTS

Book Committee:	R. Hulbert
Finance:	P. Whisler, R. Portell
Membership:	A. Kittle
Honorary Members and Awards:	B. Toomey
Board of Editors:	A. Kittle, J. Herrera, R. Hulbert
Resident Agent:	R. Portell

HONORARY MEMBERS

Anita Brown, Robin Brown, Barbara & Reed Toomey,
Gary Morgan, Clifford Jeremiah, Gordon Hubbell,
Thomas M. Scott, David Webb

LIFE MEMBERS

Barbara Fite
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
email: fps@flmnh.ufl.edu
website: <http://www.floridapaleosociety.com>

Florida Paleontological Society, Inc. Board Meeting - October 25, 2015 Gainesville, Florida

President, Paul Roth, called the meeting to order and distributed the agenda. Also present were: Cindy Lockner, Joan Herrera, Roger Portell, Phil Whisler, Michael Hein, Michael Reagin, Kevin Hutchenson, Alex Kittle, and Marcia Wright.

Old business discussions followed. Roger Portell reported that the next part of Florida Fossil Invertebrates is almost ready. There is still some additional text needed and editing to be done but it should be completed before the spring 2016 meeting. The Brett Boyd guide to sharks teeth in the Gainesville creeks is also done except for some editing. It also should be ready by the spring meeting.

The FPS newsletter committee consists of Alex Kittle and Joan Herrera. They are requesting that any members that would like to help that committee with more content and photos, please do so. Mike Reagin will do the Haile field trip report; Paul Roth will do a National Fossil Day article and an article about Pam Plummer, the 2015 recipient of the Converse Award. The deadline for articles is Nov. 30, 2015.

It is time to change the FPS display case in the Florida Museum of Natural History. Member, Chuck Ferrara, is generously allowing some of his collection to be put into the case. Timing will depend on Julie Waters, our new Powell Hall/Exhibits contact.

Treasurer, Phil Whisler, gave the treasurer's report.

-Book sales are down considerably.

-Concerns about overdrafts led to a discussion about increasing the amount of money we leave in the checking account or perhaps tie it to the money market account. We would also get checks for the money market acct. No definitive action was taken at this time.

-We now have the IRS confirmation for taxes.

-Phil will get a letter for Florida sales tax exemption.

Paul thanked everyone for a smoothly executed field trip to Haile yesterday.

Paul moved that we elect Michael Reagin for the Vice President position. This was seconded by Kevin Hutchenson. The motion passed.

In the by-laws (updated last in Jan. of 2004) the board should include "a current Curator of the Florida Museum of Natural History, appointed by the Director of the museum". Roger Portell, is FPS's Resident Agent on our board. A discussion followed about the

make-up of the board. The decision to resolve this was tabled until a later date.

Paul Roth moved that Bernie and Carol Peterson be elected to the board. Marcia Wright seconded and the motion passed.

Roger Portell said that the spring 2016 field trip will be to SMR Aggregates near Bradenton. Paul Roth gave a detailed report on National Fossil Day at Bradenton's South Florida Museum. There were 482 guests of which 160 were children. 100 children participated in the Junior Paleontology Program that day. It was a huge success. Paul will write an article about this for the next newsletter.

Paul asked for volunteers for a National Fossil Day Committee. He would like to get those National Parks that received the kits to report their Fossil Day activities for 2016. He would also like to contact local fossil clubs near the national parks and have them help out the parks' personnel for the day. They would pay their own expenses. It was suggested that Paul include a request for such clubs in the newsletter.

FPS provided \$1,822.00 in 2014, and \$1806.00 in 2015(YTD) for Paul to put together the wonderful Junior Paleontologist Educational Kits for the National Parks. They are time-consuming and expensive to create. While he provided a kit for Denver Colorado area National Parks, this year, the question was raised "do we want to limit our kits to Florida?" He also has provided a kit for Gulf Island National Seashore, and two additional kits to be completed in the next few weeks for Everglades National Park and Dry Tortugas National Park. Discussion followed about the possibility of including Florida state parks at some future time. Kevin Hutchenson moved and Cindy Lockner seconded that FPS grant \$2,000 for kits in 2016. The motion passed.

We need to increase the income for the society, and discussion ensued to that end. Some suggestions were:

- Fluorescent t-shirts with FPS logo for fossiling trips - Cindy Lockner volunteered to speak with Russell Brown to get the name of the t-shirt company that is used by Florida Fossil Hunters.

- FPS decals for helmets and hardhats

- A poster or posters

- Gary Schmelz' picture book of Florida fossil shells was offered to FPS to sell, but we'd have to buy them from him first. The general consensus was that we not

buy any at this time.

- Contact museum shops and see if they would sell our products. Maybe send them a packet of products to review first.

- A children's book was suggested with perhaps Russell Brown's art work.

There was a motion by Roger Portell, seconded by Cindy Lockner to amend the FPS Code of Ethics by adding a Section 10 to it. This section would read: "Section 10. Members shall not discard any foreign materials (such as emptying buckets/bags from a previous collecting trip) that would cause cross contamination

at any site, potentially endangering future research data." The motion carried.

The present membership committee has one person to handle everything meeting related (location of hotels, speakers, waivers, banquet location, etc.) and that person is currently Alex Kittle. It would be helpful if we had more members to do the job.

President, Paul Roth moved to adjourn the meeting, Joan Herrera seconded and the motion passed. Meeting was adjourned.

Respectfully submitted, Marcia Wright
Secretary.



Updated FPS member display case, Chuck Ferrara, in the Florida Museum of Natural History
Photo courtesy of: Julie Waters

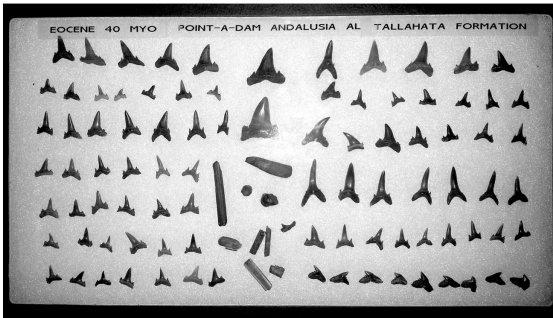
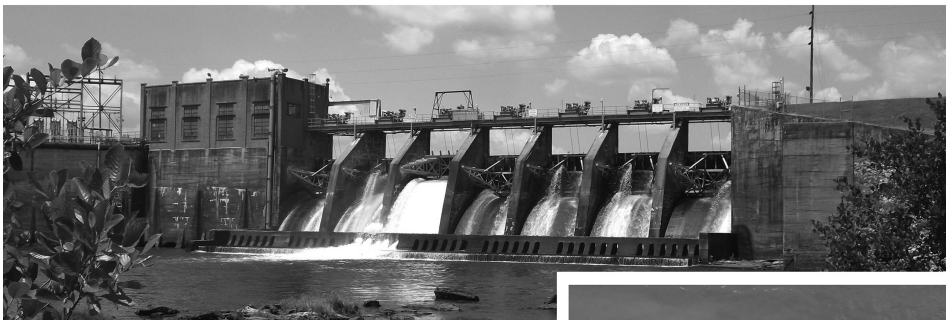
ROAD TRIP - POINT A DAM ALABAMA

By: Chuck Ferrara

I am also a member of the Florida Paleontological Society and this past summer an opportunity came up to access Point A Dam in Andalusia Ala-

cannot. We had short notice on this trip and I was ready to do something different and Eocene shark teeth are abundant here. Point A Dam is on the Conecuh River in Covington County and is operated by PowerSouth.

I called Scott Tucker who is also a member and asked —are you ready for a road trip? He said



Fun and productive day at the Point A Dam, Andalusia, Alabama

Photo Credits: Paul Roth, Chuck Ferrara, Harley Means

bama. This is one of those sites- you're on their schedule when they shut the dam down to allow us to collect at the base of the dam when water levels are lower. This in itself sounded very interesting and an opportunity to collect where others

—let's go. We left Friday night 10:30 and drove all night to get to the hotel meeting spot.

As I had thoughts of shark teeth, especially *Carcharocles auriculatus*, in my head the last 2 hrs of the trip were the hardest, with no help from

the weak coffee at the gas stops. We arrived with a couple hours to spare. I got a little shut eye then some fresh strong coffee to wake me up. Scott did not even shut his eyes or it would be sleepy time. He got out and went for a walk.

We all met in the lobby for a quick talk then car-pooled to the site. All I can say is wow, as we drove on the berm to the dam the water was high almost even with the berm on the one side. We drove right down to the base of the dam parked and a short walk to the spot, just like in the Peace River, jump in and start sifting.

These teeth are small so going slow and looking carefully is needed. Some had window screen inserts for their 1/4 inch mesh to get the smaller fossils.

Roger Portell was on the lookout for his rare crab, *Costacopluma grayi*, and turtle shells

for a research project. I found some turtle shell and happily donated it to Roger. Only two crabs were found one by Helen, Phil Whisler's daughter [Phil Whisler is FPS Treasurer and early member of the Southwest Florida Fossil Society back in the 80s and 90s]. It is expected on these trips to donate whatever is asked by the Paleontologist without question.

From the first screen I started finding teeth. I felt this was going to be a good day. Scott had a good spot along the bank right under a tree.

He stayed in the shade. I worked in deeper water with the sound of water coming from the dam and the warm water made for a southern spa day adventure. It was a nice day- sunshine no rain not like what we were getting in Florida.

Roger came around to check on everyone. I asked about *C. auriculatus* teeth. He said they're rare and it's been a long time since anyone found one. Well ten minutes later I yell out. Yours truly finds one; I was ecstatic. It was about 2:30 and we all were getting tired so we called it a day.

Scott & I left to go check into the hotel, rest, take our showers and go have dinner with the group.

We were ready to eat some food. The Catfish House was great and I turned everyone on to fried pickles, one of my favorites.

The company was good and everyone sharing and showing what was found.

One thing unique about this site is that everyone found something that no one else did; that made it special.

Back to the hotel and talked to some members in the parking lot, shared a beer then time to go to bed. We were up for thirty-seven hours straight. I didn't finish my beer and all I remember is waking up at 8 am the next morning. We slept for almost twelve hours. Not something I would do tomorrow but when it comes up again I will go. It was a great adventure.



Bonnie Cronin & Russell Brown with their very efficient river screening setup

Photo Credit: Paul Roth

Nearly 100 fossil species pulled from a flooded cave in the Bahamas reveal a true story of persistence against all odds — at least until the time humans stepped foot on the islands.

By Stephenie Livingston

University of Florida researchers say the discovery, detailed in a study appearing in the Proceedings of the National Academy of Sciences, shows many human activities pose a threat to the future of island biodiversity, with modern human-driven climate change not necessarily the most alarming. A new \$375,000 National Science Foundation grant will allow further exploration of caves on Caribbean islands beginning in December.

Thirty-nine of the species discussed in the new study no longer exist on Great Abaco Island in the Bahamas. Of those, 17 species of birds likely fell victim to changes in climate and rising sea levels around the end of the ice age, about 10,000 years ago. Twenty-two other species of reptiles, birds and mammals persisted through those dramatic environmental changes only to vanish when humans first arrived on the island 1,000 years ago.

Exploring why some species were more flexible than others in the face of climate and human-driven changes could alter the way we think about conservation and restoration of species today, when scientists fear activities like habitat alteration and the introduction of invasive species could pose the greatest risk to island species, said lead author Dave Steadman, ornithology curator at the Florida Museum of Natural History on the UF campus.

“What we see today is just a small snapshot of how species have existed for millions of years,” Steadman said. “The species that existed on Abaco up until people arrived were survivors. They withstood a variety of environmental changes, but some could not adapt quickly or drastically enough to what happened when people showed up.

“So, there must be different mechanisms driving these two types of extinctions. What is it about people that

so many island species could not adapt to? That’s what we want to find out.”

Steadman and colleagues, including plant ecologist Janet Franklin with Arizona State University, will attempt to answer that question later this year when they return to the Bahamas to further explore caves on Caribbean islands and expand our picture of which species were lost when humans arrived versus those that survived even though their environment was not always stable.

For species that were lost at the end of the ice age, climate change, habitat change and rising seas, with resulting smaller islands, may have caused their populations to become too small to remain genetically viable, resulting in inbreeding, Steadman said. A January 2015 study co-authored by Steadman found the Caribbean’s first humans depleted species as small as bats on Abaco. The new study

shows several other species that endured until human arrival were lost to activities such as hunting and starting wildfires, he said.

Hayley Singleton, UF master’s student and study co-author, said the new research shows how quickly humans can drastically alter habitats. Unlike during the ice age, modern climate change and other human-driven changes often go hand in hand, she said.

“When humans change habitats at a rate that local species cannot keep up with, that can very quickly result

in the losses,” Singleton said. “Likewise, even small climate changes can affect migration and significantly impact habitats. So, you can have the perfect storm where climate and human-driven changes are occurring at the same time, like we’re seeing in places around the world today.”

Future research will explore whether there are fundamental genetic differences between the Bahamian species that persisted and those that were lost when humans arrived. In other words, scientists want to know if there’s a genetic basis for adaptability, Steadman said.

“The answer could help us predict what animals will be affected most by a changing climate and humans,” he said.



University of Florida ornithology curator David Steadman collects fossils inside a cave on the Bahamian island of Abaco.

(Photo courtesy of: J. Angel Soto-Centeno)

National Fossil Day Report - 2015

Dear members, it is with great pleasure that I update you on our successful National Fossil Day event at the South Florida Museum this year. We had an estimated 482 guests attend and several dozen volunteers from the numerous organizations that participated. I want to thank the South Florida Museum, the Florida Fossil Hunters, the Southwest Florida Fossil Society, the Florida Geological Survey, the Florida Museum of Natural History, the Fossil Club of Lee County, the FOSSIL Project, De Soto National Memorial, and of course the Florida Paleontological Society members for making this event possible. I also want to thank Ron Bopp and Gunther Lobisch for creating such eye catching displays from their personal collections. So many participated I am bound to have forgotten someone, so my apologies and most sincerest thanks for helping!!! 135 student tickets were sold with an additional 25 student grant admissions for a total of 160 kids (South Florida Museum statistics). We estimated ~100 kids participated in the National Park Service's Junior Paleontologist Ranger Program. Wow, what an impact for just one day!

Speaking of the Junior Kits, FPS is having a marked impact with public outreach with the Jr. Paleontologist Ranger Program. An estimated 1500+ kids are becoming Jr. Paleontologist annually in Florida now with this program, and the number is increasing yearly as the NPS increases the number of times and locations the program is being run. The number of people in the general public being exposed to paleontology is

likely much higher, as the Jr. Kits are brought out several times a year for education within the parks and at local STEM and outreach events attended by "kids" of all ages.

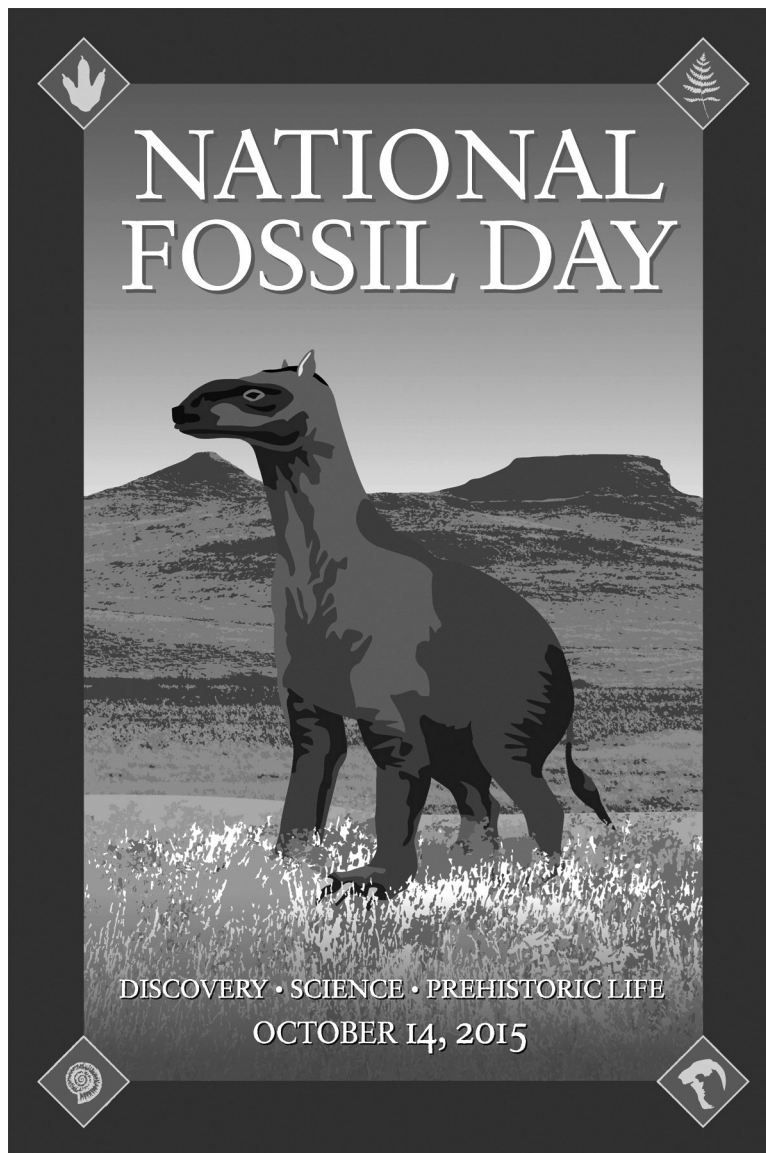
We were also able to assist our "Paleontology Adopted" school (Pembroke Pines FSU Charter Elementary School) with 100's of specimens for the National Fossil Day/Earth Science Week activities and STEM programs.

As a thank you the students submitted artwork for the NFD Art Work Contest, and we had winners both in 2014 and 2015!

For 2015, FPS along with it Paleo Partners completed 4 Junior Kits for the NPS. In Florida, Kits were donated to Gulf Island National Seashore, Everglades National Park and Dry Tortugas National Park. We were also able to complete a kit for the NPS-Geologic Resources Division, home of the Junior Paleontologist Ranger Program.

We now have kits in 9 National Park Units here in Florida, making our state a leader in the Junior Paleontologist Program. I can't tell you how proud I am of all our progress with this program, something we could have never achieved without the selfless support of our member donations and our paleo partner organizations.

I am also happy to report that our first 2 Jr. Kits were used this year at the Smithsonian as part of their National Fossil Day celebration! We will be looking for opportunities to continue collaborating with the NPS as it celebrates its centennial in 2016, so keep those fossil donations coming, lots of Junior Paleontologists are counting on us to give them a head start on all things paleo!





2014 National Fossil Day Art Contest (5-8 Year Old Category) - Third Place - Abigail B. (age, 5)

I want to close by sharing a few quotes I have received from the parks.

.... "They are AWESOME!!!"

... "my rangers were eagerly looking through the trunk and exclaiming with excitement at the things they found. It's a tremendous resource! We're already thinking of so many ways we can use it" ... "Thanks so much for your time and efforts on this great project!" ...

Everglades National Park

.... "I got the boxes and they are awesome! The Stegosaurus and oreodont skull are super cool" ... "those are incredible additions. Actually *everything* is incredible and having the fact cards (with parks!) is some really thick icing on the cake. Thank you thank you thank you!" ...

Geologic Resources Division

.... "Thank you so much! My interns and I went through the kit this week and it is AMAZING! Very much exceeded expectations, and we cannot wait to use it! Thanks again for providing us with such an amazing resource!" ...

Gulf Islands National Seashore

.... "It is fabulous!!!! Please pass along my hearty thanks to all of those who were involved in producing such a wonderful tool that impressed students and parents alike. My highlight of the night was a quote from a father of two young kids (maybe 4 & 6 yrs old) he said: "You know they are too young to really appreciate how truly amazing this



2014 National Fossil Day Art Contest (5-8 Year Old Category) - Honorable Mention - Alexander S. (age, 8)

is, but I do. This is the first time I've ever been able to experience something like this" ... "Cool stuff" ... "I have had numerous staff also tell me that it is the coolest thing EVER." ... "THANK YOU THANK YOU!!"

Biscayne National Park

Please check out the National Park Service's "Junior Paleontologist Activity Booklet" at http://www.nature.nps.gov/geology/paleontology/jr_paleo.cfm to see the types of specimens referenced in the booklet that we match up with real fossils and replicas, so the kids can actually hold and see what they are learning about. Here is a list of some of the "core items" used. Mammal Jaws/Skulls, Petrified Wood(some bark & color showing, like Arizona material), Trilobites(Example: Flexicalymene, Diacalymene, or Elrathia kingi), Fossil Fish(Example: Knightia from Green River Formation), Fossil Plants(Flowering Plant Leaves), Ammonites, Jurassic Dinosaur Bone/Teeth, Glyptodon, Smilodon & Coelophysis Replicas, Megalodon Teeth, Cycads or Conifer, Starfish, Archaeotherium, Mesoshippus,... etc. For a detailed look at previous specimens used please check out our website at <http://floridapaleosociety.com/nfd-kits/> We will also be posting examples of specimens to our Facebook page to give members an idea of what materials we are looking for. Thank you again for supporting paleontological education!



2015 National Fossil Day Art Contest (5-8 Year Old Category) - Third Place - Brianna T. (age, 8)



Gulf Islands National Seashore Jr. Kit Trunk unpacked to show scale.

FPS Product Sales

Prices are for current FPS members only
Shipping and Handling Extra

Hulbert, Fossil Vertebrates of Florida \$31.00
Olsson & Harbison, Pliocene Mollusca \$15.00

Florida Fossil Invertebrates

Part 1, Eocene Echinoids \$7.00
Part 2, Oligocene and Miocene Echinoids \$7.00
Part 3, Pliocene and Pleistocene Echinoids \$7.00
Part 4, Pliocene and Pleistocene
Decapod Crustaceans \$7.00
Part 5, Eocene, Oligocene, and
Miocene Decapod Crustaceans \$7.00
Part 6, Larger Foraminifera (Introduction) \$7.00
Part 7, Larger Foraminifera (Common Taxa) \$7.00
Part 8, Brachiopods \$7.00
Part 9, Mollusca (Shoal River Formation) \$12.00
Part 10, Mollusca (Anastasia Formation) \$10.00
Part 11, Eocene and Oligocene Corals TBA
Part 12, ~~Mollusca (Fort Thompson Formation)~~ Out of Stock

Part 13, ~~Mollusca (Bermont Formation)~~ Out of Stock
Part 14, Cephalopoda Eocene to Middle Miocene \$10.00
Part 15, Mollusca (Nashua Formation) \$10.00

Fossil Species of Florida

Number 1, *Mammot americanum* \$1.00
Number 2, *Tapirus veroensis* \$1.00

NEW! T-shirt (Small - XL) Bright Yellow (Field) \$12.00

Coffee Mug \$4.00

Sales Tax (Florida residents) add 6.00%

To purchase the above items, please visit our website at:

<http://floridapaleosociety.com/publications>

or contact: fps@flmnh.ufl.edu

or contact by mail:

Treasurer, Florida Paleontological Society, Inc.
Florida Museum of Natural History, Box 117800
University of Florida, Gainesville, Florida 32611-7800

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

Mail completed form to :

Florida Paleontological Society, Inc.
Florida Museum of Natural History
University of Florida, Box 117800
Gainesville, FL 32611-7800

New _____ Renewal _____

Name _____

Address _____

City _____ State _____ Zip Code _____

Primary Email address _____ Primary Phone #(General Contact) _____

Secondary Email address _____ Secondary Phone(Cell#For Field Trips) _____

TYPE OF MEMBERSHIP

- | | |
|--------------------------------------|---------------------------------------|
| 1. INDIVIDUAL ACTIVE (\$20.00) _____ | 2. INSTITUTIONAL (\$20.00) _____ |
| 3. COUPLES (\$25.00) _____ | 4. FAMILY (3 or more \$30.00) _____ |
| 5. LIFE (\$500.00) _____ | 6. ASSOCIATE (under 18 \$10.00) _____ |

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:

	VERTEBRATE	INVERTEBRATE	BOTANY	MICRO
PLEISTOCENE	_ _	_ _	_ _	_ _
PLIOCENE	_ _	_ _	_ _	_ _
MIOCENE	_ _	_ _	_ _	_ _
OLIGOCENE	_ _	_ _	_ _	_ _
EOCENE	_ _	_ _	_ _	_ _
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.

