

JANUS

THE NEWSLETTER
OF THE
NORTH CAROLINA
FOSSIL CLUB

2000 NUMBER 4

ATTENTION ALL MEMBERS: NEW RENEWAL REQUIREMENT

All 2001 renewals must be accompanied by a signed copy of the new application which contains a liability waiver. This can be found at the end of this issue of *Janus*. If you have already mailed in your dues please mail the application separately with a note of explanation. You will only be required to sign this release once and it will remain in effect as long as you maintain your membership. All members will be required to have a signed copy on file to participate in club activities. Field trip leaders will have a list of those in compliance. It will be the responsibility of each member to obtain a copy of this release in advance for anyone accompanying them who is not a member. **Please cooperate!**

Fall 2000 Trip Reports

Fifteen members and guest met at the **Martin Marietta Quarry at Castle Hayne on September 28th, 2000**. As you all know this summer in North Carolina was nearly devoid of rain and it had its effect on fossil hunting, however, it was a beautiful day and after signing in we were all ready to go by 11:30. Following is some of the finds reported or observed.

Rich Olsen had a perfect 1 1/4" *Cretolamna biauriculata* along with other small teeth. Cindy Muston found two *Eutrephoceras carolinensis* and all the *Echinolampas appendiculata* that one could want. Glen Fleming found numerous shark teeth including a nice *Squalicorax pristodontus* and shark coprolite. Shirley O'Connor found sand dollars, echnoids and small shark teeth. Dave Brown reported a perfect *auriculatus*. Roxada Story had two *Squalicorax pristodontus*, a sawfish rostral tooth and a beautiful *Coelopeurus carolinensis*. Tad Rust had 3 *Hardouinia mortonis* and 1 *kellumi*, 32 croc teeth and 2 *Maretia subrostrata*. Trish Kohler also found a *Coelopeurus carolinensis*, small worn *auriculatus* and *Hardouinia mortonis*. Scott Chapman reported finding a *Squalicorax kaupi* and a *Ischyrhiza mira* rostral tooth. The writer found 2 *Hardouinia kellumi* and 10 *mortonis*,

1 *auriculatus* and about a third of a *Eupatagus lawsonae* - a rare echonid.

I think everyone found something and all had a good time. By the way, Joy Pierce didn't find her "usual stuff" as she wasn't there.

John Everette

On October 15, 2000 about 8 members of NCFC met at the McDonalds in Laplata Maryland and headed to **Liverpool Point** for a day of collecting the upper Paleocene Aquia Formation sediments. There were a few instances where the weather was considering not to cooperate. We had a front move in and then go away fast. The skies darkened and a healthy winds picked up. The weather turned happy and the temperature and conditions were very favorable. The river had a north west wind blowing which even lowered the tides even more. Having collected this site for over 25 years it is the lowest tide I have noticed. We all moved up the beach finding the typical Aquia Formation shark teeth, ray files, turtle shell fragments and one great find was a crocodile tooth. Although no *Palaeocarcharodons* were found, ample material was available including large oysters, gastropods and other invertebrates (things known to exude slime). Hope to see every one in the spring. One thing which was appreciated was the complete lack of those nasty deer flies. *George Fonger*

Twenty-seven members and guest met at the **Martin Marietta Quarry at Rocky Point on October 26th, 2000** for a great day of fossil hunting. It was a beautiful day and after signing in we were ready to go and proceeded to the designated parking area. The effect of the drought was evident, however, a day fossil hunting beats doing nearly any other activity I know. After returning to the parking area around 4:45 some had left but the following is some of the finds reported or observed.

Dale Healy had a 2" *auriculatus*, some *Pristis lathami* material, sand dollars and echinoids. Bob and Roxada Story reported finding some small teeth, echinoids and sand dollars and having a good time. Sharon Edwards found a fish vertabrae and a nice *Striatolamia macrota*. George Lee had a 1 1/2" and a 3" *auriculatus* and a nice

Carcharias koerti. Dave Brown had a 3" and a 3½" *auriculatus*. Glen Flemming found a nice 2 3/4" *auriculatus*, numerous small teeth and echinoids. Dewayne Varnam reported finding a 2½" and a 3" *auriculatus*. Cindy Muston had the "find of the day" - a beautiful perfect small *Otodus obliquus* which was later verified by Bob Purdy at the NCFC Fossil Fair as being a juvenile. We all found something - small teeth and echinoids and I had my usual good time. *John Everette*

The fossil trip to **Belgrade** on Nov. 5th. turned out to be a very nice day after a false start (bad weather). The 44 club members and guest who did arrive had a wonderful time.

The most exciting find of the day was an 8 inch section of alligator jaw with some of the teeth still in good shape and a few broken off. This was found by Dewayne Varnam. After looking at his find I thought it looked familiar, and it matched a section of jaw I found a few years ago - 1989 to be exact. We may have it bronzed.

Every one found a variety of fossils mostly shark teeth and were happy with their finds.

There was a group of children (15) from the Fayetteville area that went home happy campers, especially a little girl who found a 3 and 1/2 inch *Carcharocles megalodon*. She had tears in her eyes and could hardly speak. This was due to Bobby Tant who was helping her dig and screen. THANKS BOBBY.

The Hot Dogs were great along with all the trimmings, we also had turkey Dogs. (low-cal).

There were a few new members at this fossil trip and were welcomed to the club, and were looking forward to the next trip.

Happy Fossilizing everyone, *Richard Tellekamp*

New President's Column

Thanks to all participants, both exhibitors and our great volunteer assistants, who made the fossil fair in Raleigh a tremendous success. A special thanks to Vince Schneider and the museum staff who made things run so smoothly. Attendance was estimated at 4000.

I'm sure all members are excited about welcoming a new millennium that will once again likely include trips to Aurora! Ramona Krailler is coordinating with mine management and more specific information on rule changes; call in, etc. will appear in the next issue of Janus. Meetings and exhibits currently scheduled for 2001 are as follows (Meetings, except as noted, are at the NC State Museum of Natural Sciences, 1:30 - 4:00):

Meetings

- Jan. 21: Mike Hogan - Cow Sharks
- Mar. 18: TBA
- May 20: TBA
- July 15: TBA

Sept. 16: TBA

Nov. 3: Fossil Fair

Exhibits

May 26(27?): Aurora Fossil Festival

Nov. 3: NCFC Fossil Fair-NCMM, Beaufort

We are hoping to greatly increase meeting attendance and member participation in all club activities this year. We currently rely on a very small core group of dedicated people who do all the "dirty work". If you can spare time to research, write an article for Janus or give a meeting talk. You need not be an expert! Can you volunteer to serve on the board or as an officer? How about helping find new collecting areas and leading a trip? New ideas are always welcome. Contact me or any of the officers and board members listed in this issue with your questions or comments.

Our new website and CD project are well underway. We will discuss progress and direction at the Jan.21 meeting. Bob DuBrock (website) and Richard Chandler (CD) will welcome any ideas or comments.

Finally, a hearty welcome to all our new members. Many of you have already exhibited great enthusiasm and a willingness to help out. You are our future. Please help us in continuing to build a better club. *Rich Olsen*

PCS Postcard

I want to extend my apologies to all who were panicked by the short time they had to respond to the primary-affiliation-for-access-to-PCS postcard. We believed we had a December 1 deadline for getting our list to PCS but were still trying to find out details as late as November 17. At this point, we still do not know any details regarding how PCS will handle the whole process of collecting access. Curtis Ormond, Jr. has stated that no one should get more than one collecting trip per season and that PCS is committed to the idea that everyone who wants to collect should be given the opportunity, in so far as possible. *Richard Chandler*

Back Cover

Samuel George Morton (1799-1851), like many American naturalists of the nineteenth century, was a medical doctor who took time off from an indubitably busy practice to study and report on the exciting paleontological finds which were being made in the fledgling United States. The Cretaceous echinoid *Hardouinia mortonis* is one of many fossil species named for him.

Interestingly, of the recognizable teeth pictured, not a single one in from the Cretaceous, in spite of the title of Morton's monograph. Isn't that a magnificent example of *Carcharocles auriculatus* in the center (4¼")?

NORTH CAROLINA FOSSIL CLUB, INC.
(FOUNDED 1977)

PRESIDENT	Richard Olsen	(252) 247-4762	Atlantic Beach, NC
VICE PRESIDENT	Rick Bennett	(919) 839-1802	Raleigh, NC
IMMEDIATE PAST PRESIDENT	Ramona Krailler	(919) 460-8725	Morrisville, NC
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2001 MEMBERSHIP APPLICATION - N. C. FOSSIL CLUB

NAME(s) _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE(S) (INCLUDE AREA CODE) _____

E-MAIL ADDRESS _____

SELECT <u>ONE</u> TYPE OF MEMBERSHIP (ENCLOSE CHECK OR MONEY ORDER FOR THE INDICATED AMOUNT.)	INDIVIDUAL (NEW)	\$20.00	_____
	INDIVIDUAL (RENEWAL)	\$10.00	_____
	HOUSEHOLD (NEW)	\$25.00	_____
	HOUSEHOLD (RENEWAL)	\$15.00	_____

Children of NCFC members who are dependent minors and living at home may accompany parents on any trip EXCEPT PCS-Lee Creek or where otherwise noted. Only 15 positions on the PCS-Lee Creek trip are available to members who reside outside of North Carolina.

Memberships are effective from January through December of the year (or portion of the year) of the date of application. For example, persons joining in August will need to renew their membership 5 months later in January.

NCFC Liability Statement

The Undersigned hereby acknowledges his/her understanding that fossil collecting is an inherently dangerous activity which can result in serious bodily injury or death, and/or property damage and hereby confirms his/her voluntary assumption of the risk of such injury, death or damage.

The Undersigned, in return for the privilege of attending field trips Related to the collection of and/or study of fossils, or any other event or activity conducted or hosted by the North Carolina Fossil Club (NCFC), hereinafter collectively and individually referred to as "NCFC Events", hereby releases the NCFC, NCFC Board members and officers, NCFC Event leaders or organizers and hosts, landowners and mine or quarry operators from any and all liability claims resulting from injury to or death of the undersigned or his/her minor children or damage to his/her property resulting from any cause whatsoever related to participation in NCFC Events.

The Undersigned agrees to comply with any and all rules and restrictions which may be communicated to the undersigned by the NCFC Event leader and/or landowner and mine or quarry operator and acknowledges that failure to comply will result in immediate expulsion from the premises.

The Undersigned acknowledges that this release covers all NCFC Events and will remain in effect at all times unless or until it is revoked by written notice to the current President of the NCFC and receipt of such revocation is acknowledged.

The Undersigned further attests to his/her intent to be legally bound by affixing his /her signature to this release.

Name _____ Signature _____ Date _____

Name _____ Signature _____ Date _____

MAIL TO: NORTH CAROLINA FOSSIL CLUB, P.O. BOX 13075, RESEARCH TRIANGLE PARK, NORTH CAROLINA 27709

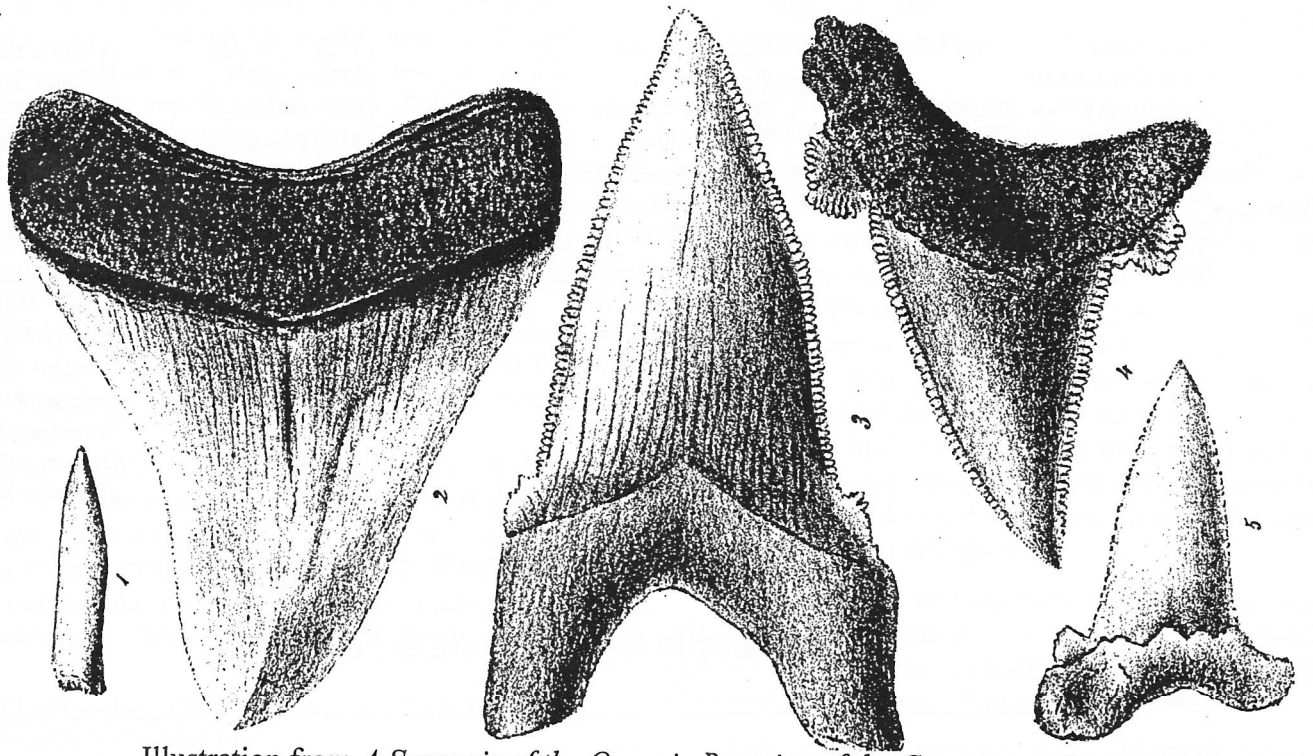


Illustration from *A Synopsis of the Organic Remains of the Cretaceous Group of the United States* by S. G. Morton (1834) (See inside)

NORTH CAROLINA FOSSIL CLUB
P.O. Box 13075
RESEARCH TRIANGLE PARK, NC 27709