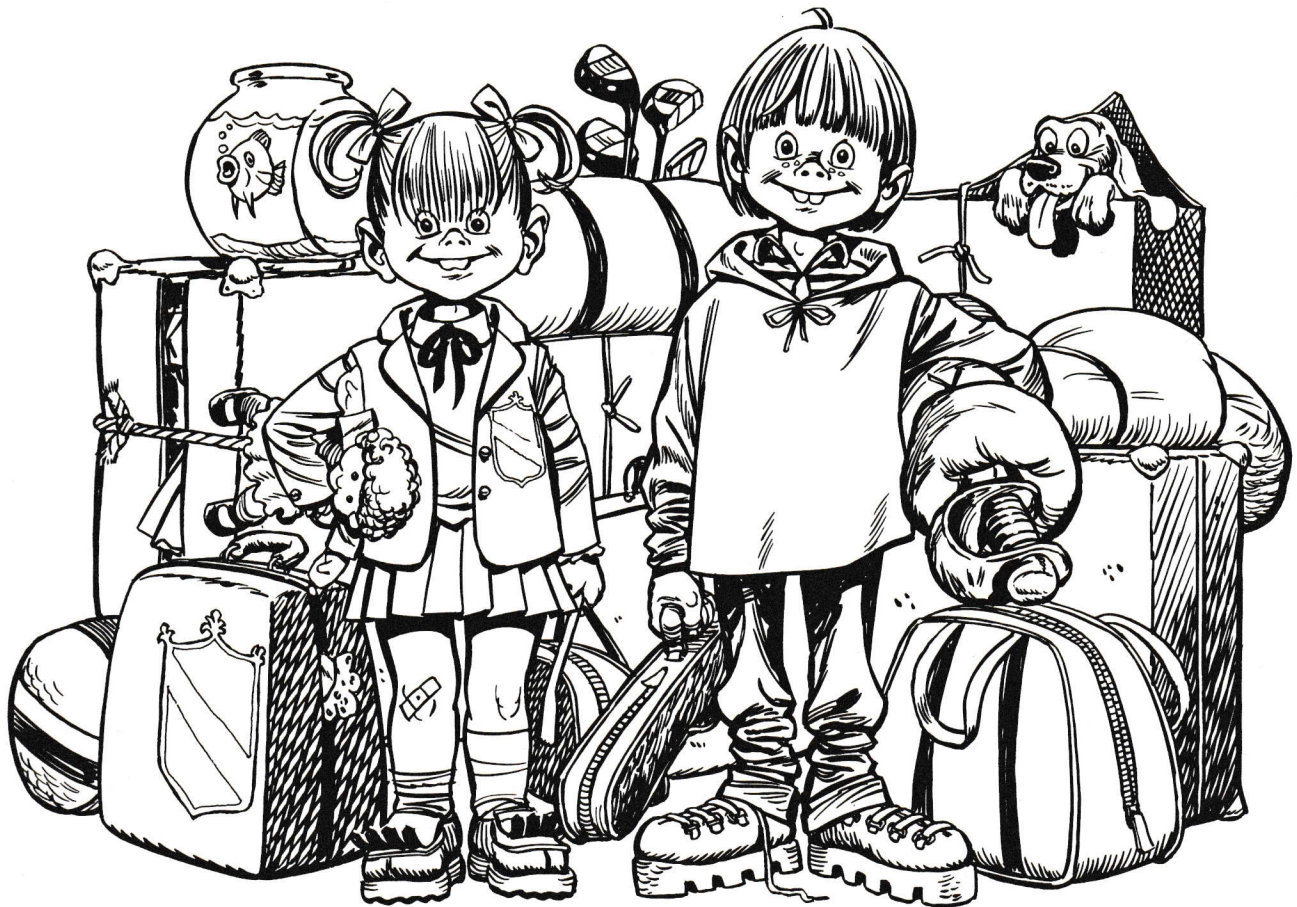


COASTWATCH



TRAVELING THE COAST

Before you pack the kids, dog and 20 pieces of luggage into your car, consider how you want to spend your beach vacation.

If you want more to show for your time off than a peeling nose, visit some of North Carolina's coastal attractions—state and national parks, aquariums, historic sites, museums or festive events. Focus your binoculars on the white ibises at Pea Island National Wildlife Refuge. Touch a hermit crab at the N.C. Marine Resources Center at Pine Knoll

Shores. Wander through 18th-century homes in Edenton. Or join the hoopla surrounding the Shrimp Festival at Sneads Ferry.

Vacationing along the sandy shores doesn't have to cost a bundle. This month, Coastwatch offers a guide to inexpensive coastal attractions and events, many of them state or federally operated.

OUTDOORS

By Sarah Friday

Get out your beach towel, dust off your binoculars and put on some tennis shoes—North Carolina's coast is waiting. Whether you're a landlubber or a seafarer, take a detour this summer from the motels, putt-putt courses and arcades to see some of the state's natural scenery.

Herons, terns and ducks fly to the Pea Island Wildlife Refuge. Fish swim to warmer waters near Ocracoke. And deer and black bear roam through the woods near the Alligator River. Never mind the mosquitoes; pack your lunch and join them in North Carolina's great outdoors.

■ **Beaches.** Three hundred twenty miles of shoreline stretch along North Carolina's coast. White, sandy beaches lie like a string of pearls between Currituck and Calabash. Find one of these jewels; and soak up some sun, fly a kite, feel the sand between your toes or chase a crab. Night or day, anytime of the year, North Carolina's beaches offer a treasure trove of activities to discover.

■ **State Parks.** You don't have to wait until the Fourth of July to enjoy one of the state parks in eastern North Carolina. Overseen by the N.C. Division of Parks and Recreation, each park offers visitors acres of turf and surf to explore. Camping, picnicking, swimming, hiking and fishing are available at most sites.

Be careful when you smell the flowers at the *Carolina Beach State Park*. Venus' flytrap is one of 30 varieties of plants, trees and flowers along a self-guided park nature trail. 919/458-8206. *Fort Macon State Historic Park and Recreation Area* in Atlantic Beach houses a 150-year-old restored fort used during the Civil War and World War II. 919/726-3775. Allow the beaches and live oaks draped with Spanish moss to charm you at *Goose Creek State Park* near Washington. 919/923-2191.

Photo by J. Foster Scott



Raccoons are common in North Carolina's state and national parks

Unspoiled beaches and nature areas highlight *Hammock's Beach State Park* on Bear Island, near Swansboro. 919/326-4881. Hike up or hang glide over the East Coast's highest sand dune at *Jockey's Ridge* in Nags Head. 919/441-7132.

Canoe through a different ecosystem at *Merchant's Millpond State Park*, a southern swamp forest near Gatesville. 919/357-1191. The 16,600 acres of fresh air may lure you to *Pettigrew State Park* near Creswell. If that doesn't do it, the park's reputation as an angler's paradise may. 919/797-4475. Whether you're looking through a camera lens or a pair of binoculars, you'll see the coast's natural beauty at the *Theodore Roosevelt Natural Area* at Atlantic Beach. Donated by the Roosevelt family, this park offers visitors a unique look at a brackish marsh and maritime forest. 919/726-3775. Park hours: April, May and September—8 a.m. to 8 p.m. June, July and August—8 a.m. to 9 p.m.

■ **Croatan National Forest**, Jones, Carteret and Pamlico counties. Take a hike at the Croatan National Forest. Thousands of acres of forestland and seven recreation areas offer visitors miles of shaded woods to explore. In addition, boating, fishing, camping and swimming facilities are available. 919/638-5628.

■ **Cape Lookout National Seashore.** Let Mother Nature amaze you with her beauty at the Cape Lookout National Seashore. Fifty-five miles along the Outer Banks, from Ocracoke Inlet to Beaufort Inlet, were reserved by the National Park Service in 1966 to preserve an area rich in natural and recreational resources. The three islands in the seashore—Shackleford Banks, Core Banks and Portsmouth Island—can only be reached by boat or ferry. The trip is worth it, however, for the chance to swim or fish off quiet beaches, collect conchs or watch

Photo by Gene Furr

a mother sea turtle struggle to shore to lay her eggs. Make these discoveries on your own, or join one of the ranger-led programs available June 15 through Labor Day. 919/728-2121.

■ **Cape Hatteras National Seashore**, Dare and Hyde counties. Picture yourself in a landscape at the beach. The sky is painted dark rose and orange as the sun sets behind you. A flock of gulls pass overhead, and the ocean glimmers. Now turn up the volume. Feel the wind; then smell the salty air.

From Bodie Island to Ocracoke Island, scenes like this occur almost every day. The Cape Hatteras National Seashore stretches more than 70 miles along the Outer Banks, offering nature, history and adventure to its visitors. A variety of fishing spots, from the surf to offshore waters, keep fishermen angling for fish like striped bass and bluefish.

Surf casting and charter boat trips are popular pastimes at Ocracoke, too. If you'd rather stay on the island, go bird watching or view the wild "Banker Ponies," said to have been on the island since the 1500s.

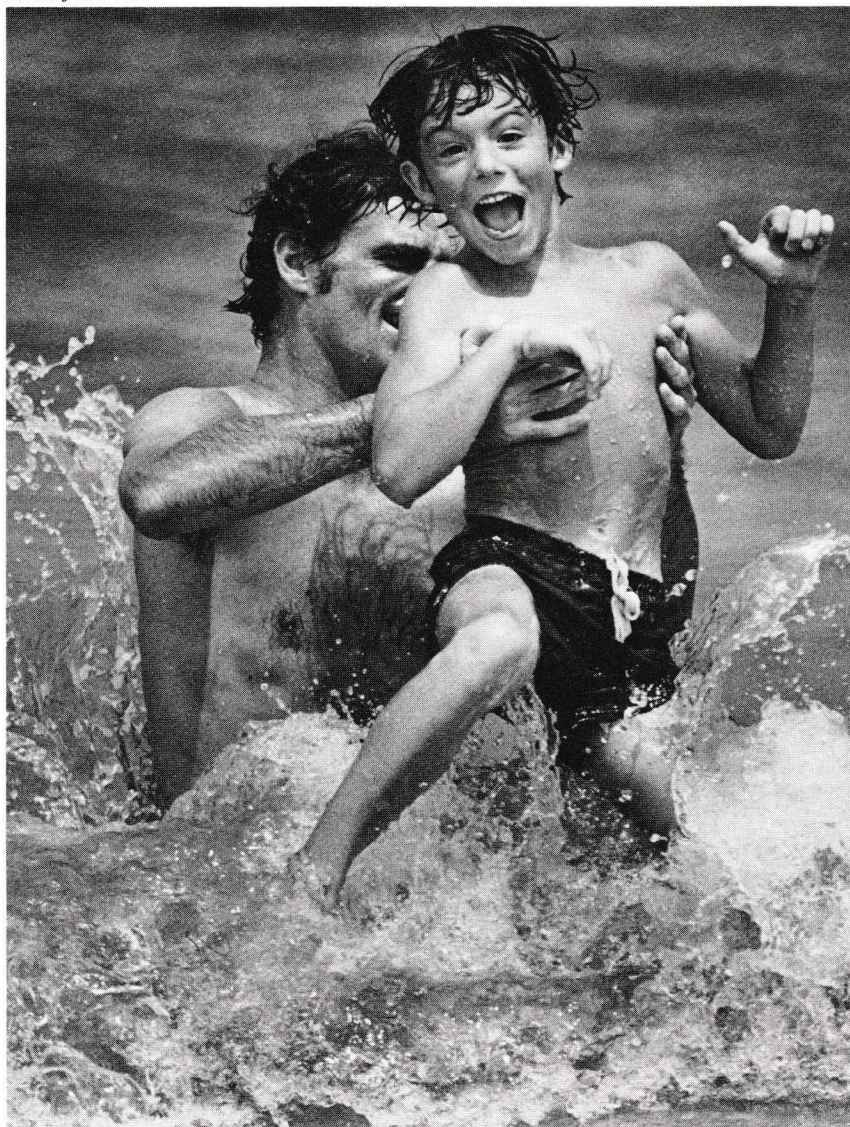
The seashore calendar fills quickly in the summer with organized programs at the six visitor centers. Take a morning bird walk, hear a whale of a tale or find out what's cooking in Ocracoke. National Park Service headquarters, 919/473-2111. Visitor Centers: Whalebone Junction, 919/441-6644; Fort Raleigh, 919/473-5772; Wright Brothers, 919/441-7430; Bodie Island, 919/441-5711; Hatteras Island, 919/995-5209; and Ocracoke Island, 919/928-4531.

■ **National Wildlife refuges.** You could go wild traipsing through any of the seven refuges at North Carolina's coast. The U.S. Fish and Wildlife Service established these reserves as natural habitats for certain species of animals; however, each offers human visitors rich opportunities for observing the wildlife.

Alligator River complex:

Alligator River National Wildlife Refuge, Dare and Tyrrell counties. A relatively new and undeveloped refuge, this 120,000-acre reserve is "wide open," says assistant manager Al Schriver. Its coastal and swamp habitats are unique to this part of the country, attracting many varieties of waterbirds and animals such as deer and black bear. To see the refuge, U.S. 264 is the easiest access, says Schriver. Old logging roads exist for the adventurous.

Pea Island National Wildlife Refuge, Dare County. Some people might say Pea Island is for the birds. More than 260 species have been spotted in the 5,915-acre refuge that extends along the Outer Banks from Oregon Inlet to the village of Rodanthe. With a pair of binoculars and a little luck, visitors may spot a brown pelican skimming by or a fox or a pheasant hiding in the brush. Although bird watching is a



favorite activity in the refuge, nature study programs, photography, hiking, surf fishing, swimming, sunbathing, surfing and crabbing are equally popular.

For those who really want to rough it, the *Currituck Wildlife Refuge* in Currituck County waits. Shorebirds and wildlife are similar to the kinds found at Pea Island, but brushland is more plentiful here, providing habitat for smaller creatures. The refuge and beaches are open to the public; however, there are no facilities or developed roads.

For information on any of the refuges in the Alligator River complex, call 919/473-1131.

Mattamuskeet complex:

Mattamuskeet National Wildlife Refuge, Hyde County. In the winter, things get kind of crowded at Lake Mattamuskeet. It gets awfully tough for a tundra swan or a Canada goose to find a parking place with thousands of

North Carolina beaches offer endless hours of summer fun

Continued on next page

Photo by Steve Murray



Hang glide over sandy dunes at Jockey's Ridge State Park in Nags Head

other waterfowl vying for a space. The birds are still plentiful in the summer and fall, but not in as great a number. What most folks hope to find that time of year are the fish—largemouth bass, catfish and bream. 919/926-4021.

Cedar Island National Wildlife Refuge in Carteret County and the *Pungo National Wildlife Refuge* in Washington and Hyde counties are two other favorite stopping-over places for waterfowl. The swampland and woodland lure birds, fish, reptiles and amphibians, as well as outdoor enthusiasts. Educational programs and tours are available. Cedar Island Refuge: 919/225-2511.

For a lesson in ecosystems, visit the *Pungo National Wildlife Refuge*. This 12,229-acre refuge, a mixture of farmland, brushland, forest and freshwater marsh, serves as a wintering habitat for migratory birds and shelter for a diverse collection of wildlife and many endangered species. Visitors may see raccoons, bobcats, egrets, ibises or a bald eagle. It only takes a visit. 919/926-4021.

Daniel Boone would probably have been impressed by the *Swanquarter National Wildlife Refuge* in Hyde County. Described as a "true wilderness," the refuge provides estua-

rine marsh habitat for waterfowl and mammals such as white-tailed deer, raccoons, otters and mink. 919/926-6751.

Mackey Island National Wildlife Refuge, Knott's Island, Currituck County. Located partially in Virginia and partially in North Carolina, this remote refuge can only be reached through Virginia or by a ferry from Currituck. Hiking, bird watching and deer hunting in the fall are only a few reasons the public likes the reserve as much as the wildlife.

After deciding what to see on vacation, decide how to see it. Many of the historic coastal towns offer walking tours, and the N.C. Department of Transportation Bicycle Program has maps of several coastal routes that range from 23 to 43 miles. 919/733-2804.

Sailing, boating, fishing, canoeing, rafting and camping information can be found in the *North Carolina Camping and Outdoors Directory* available from the N.C. Division of Travel and Tourism (1-800-VISIT NC). In addition, Sea Grant recently published the *1986 North Carolina Saltwater Sportfishing Tournament Guide* for competitive anglers. For a copy, write Sea Grant and ask for UNC-SG-86-04.

MUSEUMS & MORE

By Kathy Hart

Going to museums and aquariums isn't what it used to be. No more dark, dank rooms, boring displays and lifeless exhibits. Public facilities like the N.C. Marine Resources Centers and the N.C. Maritime Museum have come to life—marine and coastal life that is.

Museums, aquariums and galleries in coastal North Carolina are putting their best exhibits and programs forward as they tell us more about the ecology, history and art of the region.

The North Carolina Marine Resources Centers (soon changing their name to the N.C. Aquariums), Roanoke Island, Pine Knoll Shores and Fort Fisher. Entering the doors of one of North Carolina's three marine resources centers may mean taking a chance . . . on meeting a black-tip shark face-to-face, touching the prickly spines of a sea urchin or seeing one of the ocean's masters of disguise, the flounder. But it's a chance that can be exciting and educational, too.

Living up to their new name, the centers have tank after tank of marine creatures—sea turtles, eels, lobsters, stingrays, crabs, starfish, sharks and other fish native to the North Carolina coast. But the centers also offer more: exhibits, programs, films and field trips on coastal ecology, history and art.

With the guidance of center personnel, you can spend the day on a trawler learning about commercial fishing or explore the abundant and varied life in a salt marsh. Many of the field trips are free. Pre-registration is often required. For a calendar of summer events and registration dates, write the centers.

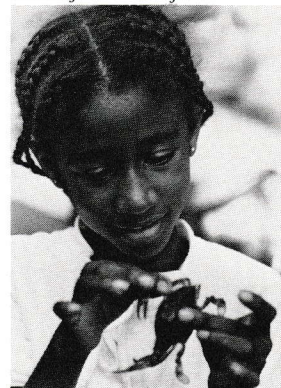
And don't think if you've seen one of the facilities you've seen them all. Each focuses on a different aspect of the coast.

The Roanoke Island center emphasizes the unique ecology of northeastern North Carolina by focusing on the Pamlico and Albemarle

Photo by Mark Joyner



Photo by Steve Murray



sounds and the Alligator River. Along with saltwater aquariums, this facility also has a freshwater tank for native creatures that take less salt in their water. And visitors can see a newly mounted nine-foot alligator.

To learn how creatures survive in the sea through adaptation, visit the Pine Knoll Shores center. There, an aquarium exhibit will show how sea creatures use speed, venom, camouflage, mimicry, electricity, armor, bioluminescence and more to survive. For an enlarged view of North Carolina's sea life, the center features a newly constructed wall of porthole-size aquariums equipped with magnifying glasses.

At Fort Fisher, the emphasis is on large sea life. That facility houses the largest free-standing aquarium in the state, and in its 20,000-gallon tank swim several species of native sharks and their relatives, skates and

At one of the Marine Resources Centers, an octopus (above) poses for a picture and a student (below) gets firsthand experience with a crab

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A view inside the N.C. Maritime Museum in Beaufort

stingrays. For a glimpse of a gentler breed, see the 49-foot replica of a living humpback whale named Salt.

Last year the centers attracted over 1 million visitors. This year, they hope to educate even more people about North Carolina's marine resources as they celebrate their 10th anniversary in September. The centers are open year-round Monday through Friday from 9 a.m. to 5 p.m. and Saturday and Sunday from 1 to 5 p.m. Admission is free.

For more information, contact the Roanoke Island center at P.O. Box 967, Manteo, N.C. 27954 (919/473-3493); the Pine Knoll Shores center at P.O. Box 580, Atlantic Beach, N.C. 28512 (919/247-4003); the Fort Fisher center at Box 130, Kure Beach, N.C. 28449 (919/458-8257); or the Office of Marine Affairs, 417 N. Blount St., Raleigh, N.C. 27601 (919/733-2290).

The North Carolina Maritime Museum, Beaufort. The N.C. Maritime Museum has opened the hatches on a new home. Last year the museum gathered up its collections and moved to a larger building. Outside, the wooden building blends 19th-century Beaufort architecture with that of the early U.S. Lifesaving Service stations. It even features a widow's walk, or observation platform, that provides a panoramic view of the area.

Inside, you enter a pseudo ship's hold as you view exhibits of coastal bird, fish and mammal

specimens; marine fossils; worldwide and North Carolina shell collections; maritime artifacts; saltwater aquariums; decoys and indigenous small craft.

Across Turner Street at the Watercraft Center, museum staff teach the art of building small wooden boats. Visitors can tour the center and watch the craftsmen.

The museum also sponsors many programs, field trips and special events. During the summer, youngsters in grades 1 to 8 can attend a week-long summer science school that moves the classroom outdoors. Or for folks of all ages, the museum offers the Spring Gathering of Small Wooden Boats (June 7 to 8) and the Strange Seafood Exhibition (August 21).

For more information about the museum and its programs and events, write the N.C. Maritime Museum, 315 Front Street, Beaufort, N.C. 28516. Or call 919/728-7317. Admission is free. The hours are 9 a.m. to 5 p.m. weekdays, 10 a.m. to 5 p.m. Saturday and 2 to 5 p.m. Sunday.

Aurora Fossil Museum, Aurora. For a look back at the coastal plain's geologic history, visit the Aurora Fossil Museum. View the museum's main fossil exhibit, and see the backbones of prehistoric whales, the teeth of a 55-foot great white shark and a collection of ancient sea-shells. Huge wall murals depict creatures that lived in the ocean that covered eastern North Carolina 5 to 15 million years ago.

The museum is presently undergoing renovation. It should reopen in June. For a schedule of its hours, write P.O. Box 48, Aurora, N.C. 27806.

New Hanover County Museum, Wilmington. The Cape Fear region is rich in history—history that is brought to life through the exhibits of the New Hanover County Museum, located at 814 Market Street in Wilmington. You'll see Confederate artifacts, items brought to Wilmington aboard blockade runners, Indian dugout canoes and a diorama of the Wilmington waterfront during the Civil War. Or attend one of the museum's weekly programs or special classes.

Admission is free, and museum hours are 9 a.m. to 5 p.m. Tuesday through Saturday and 2 to 5 p.m. Sunday. For more information, call 919/763-0852.

St. John's Art Gallery, Wilmington. For an education in art, stop by St. John's Art Gallery, located at 114 Orange Street in Wilmington. Outside, study the design of the gallery's 19th-century architecture. The building was built in 1802 as the home of St. John's Lodge No. 1, the oldest masonic lodge in North Carolina.

Inside, see the preserved mural of masonic symbols and any of the changing exhibitions of North Carolina and southern art. In addition,

NORTH CAROLINA LIGHTHOUSES

Standing as sentinels on the sand, the North Carolina lighthouses have warned many oceangoing vessels of the treacherous shoals offshore. Although they no longer use reflective lenses to broadcast their light, many of the lighthouses are still in operation using automated beams. Only two have darkened their lights and been abandoned. All are worth a visit, if only as a reminder of another day in ocean navigation.

The red brick **Currituck Beach Lighthouse** stands 158 feet tall near the village of Corolla. **The Bodie Island Lighthouse**, marked by broad alternate black and white bands, stands north of Oregon Inlet. The old lightkeeper's house has been converted into a visitor center and natural history museum by the Cape Hatteras National Seashore. Living history presentations recount the history of the lighthouse, shipwrecks and life-saving along the Outer Banks.

The Cape Hatteras Lighthouse, noted for its black and white candy-striped pattern and height (rising 225 feet above sea level—the tallest in America), stands threatened by the very sea against which it warns. Located in Buxton, the lightkeeper's house has also been converted into a visitor attraction, the Museum of the Sea.

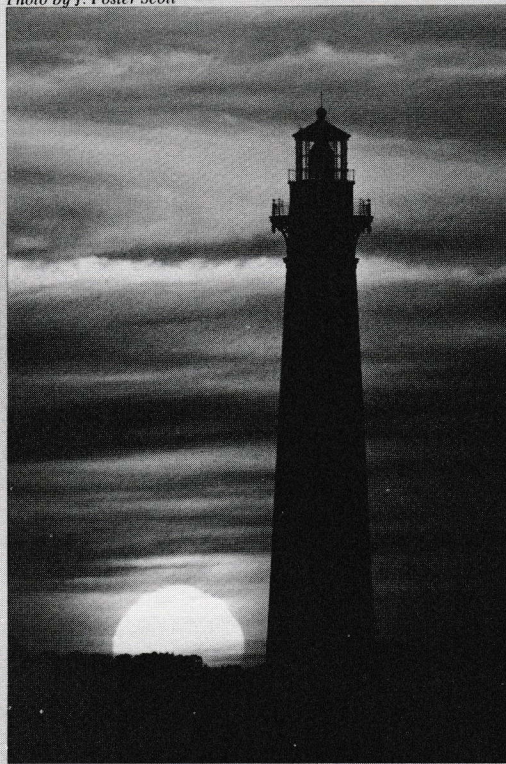
The white, 76-foot **Ocracoke Lighthouse**, the second oldest operating lighthouse in the United States, overlooks the fishing village of the same name. To its south, the **Cape Lookout Lighthouse**, remembered for its diamond pattern, is also threatened by an encroaching sea. Located on Core Banks, the lighthouse is accessible only by boat.

Price's Creek Lighthouse, located about two miles above Southport, guided vessels up the Cape Fear River to Wilmington. Abandoned, the lighthouse today stands in

disrepair on private property, and permission is needed to visit it. Also inoperative is the 90-foot **Bald Head Lighthouse** located on Smith Island, a private resort island. Flashing the brightest beam in the United States, the **Oak Island Lighthouse** rises 169 feet above sea level and sports a three-toned exterior of black, gray and white.

If you're planning to visit the lighthouses, keep in mind that, with the exception of the Bald Head Lighthouse, these coastal sentinels can only be viewed from outside. Visitors can enter the Bald Head Lighthouse and climb its wooden stairs to the top.

Photo by J. Foster Scott



the museum sponsors lectures, concerts, special programs and classes.

The museum is open 10 a.m. to 5 p.m. Tuesday through Saturday. Admission is free. For more information, call 919/763-0281.

Museum of the Albemarle, Elizabeth City. Take a focused look at the history, geography and sociology of northeastern North Carolina by visiting the Museum of the Albemarle.

Inside you'll find exhibits that show and tell about Indian artifacts, the area's geography, the history of the U.S. Coast Guard, old fire engines, old shipyard equipment, nautical items and more.

The museum is located on U.S. 17 South. Its hours are 9 a.m. to 5 p.m. Tuesday through Saturday and 2 to 5 p.m. Sunday. Admission is free.

HISTORIC SITES

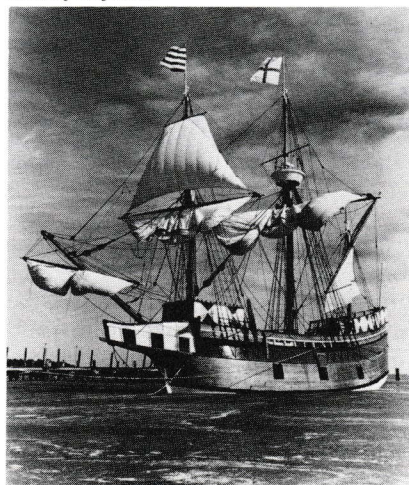
By Nancy Davis

Photo by Gene Furr



Photo by Clay Nolen

Reenacting the past at Fort Macon (above); the Elizabeth II, the centerpiece of America's 400th Anniversary celebration, moored in Manteo harbor (right)



Welcome to Sea Grant's tour of historic North Carolina. For the next several pages, we'll be taking a journey back in time—back to the days when the first settlers were charting the course for North Carolina. We'll begin our adventure in the northern part of the state and work our way south. Please hang on because we'll be traveling back several hundred years in time and making quite a few stops. Have a pleasant journey.

■ **Historic Albemarle Tour**, Albemarle Sound region. Following the Historic Albemarle Highway Tour is one of the best ways to get an overview of the first years of the state's history. You'll travel coastal highways to the Lost Colony, Elizabethan Gardens, Somerset Place, Belhaven Memorial Museum, Bath, the Hope Plantation, Edenton, Halifax and Murfreesboro. Since our time is limited, we'll only stop at a few of the sites. For information on others, please call 919/482-7325.

■ **Historic Edenton**. In Edenton, the townspeople were defiant even before the Bostonians. In 1774, Edenton women held their own tea party, signing a resolution supporting the acts of the rebellious provincial congress. Today the town is known for its well-preserved homes and buildings spanning 250 years. A complete walking tour is \$3 for adults, \$1.50 for students. 919/482-3663.

■ **Wright Brothers National Memorial**, Kill Devil Hills. On Dec. 17, 1903, Orville and Wilbur Wright placed a winged contraption on level ground. Orville took the pilot's position, and at 10:35 a.m., the machine moved forward under its own power and lifted him into the air. Now, the National Park Service maintains the site of that historic first flight. It includes a visitor center, a monument atop Kill Devil Hill and a reconstruction of the Wrights' 1903 camp. Free admission. 919/441-7430.

■ **Fort Raleigh National Historic Site**, Roanoke Island. Nowhere is the state's colonial history older than here at Fort Raleigh. The 1585 earthen fort has been reconstructed in what experts believe is the original site. A museum and visitor center tell the story of the first English settlers in North America. Free admission. 919/473-5772.

■ **Elizabethan Gardens**, Roanoke Island. These 16th-century gardens are a tribute to the Elizabethan men and women sent by Sir Walter Raleigh to colonize the New World. The formal and informal plantings include an herb, rose and wildflower garden. Admission is \$2 for adults. Group rates are available. 919/473-3234.

■ **Elizabeth II**, Manteo. If you've got your sea legs, we're ready to set sail aboard the *Elizabeth II*. This 69-foot ship is a replica of the Elizabethan vessels used in Sir Walter Raleigh's voyages 400 years ago. Admission is \$3 for adults and \$1.50 for children ages 6 to 12. 919/473-1144.

■ **Historic Bath Town**, Bath. The oldest incorporated town in the state, Bath was once the site of an Indian town. English settlers arrived in this area in 1695 and incorporated the town in 1705. Today you can tour many of the 18th- and 19th-century buildings, including the state's oldest church. Admission is \$1 for adults and 50 cents for children. 919/923-3971.

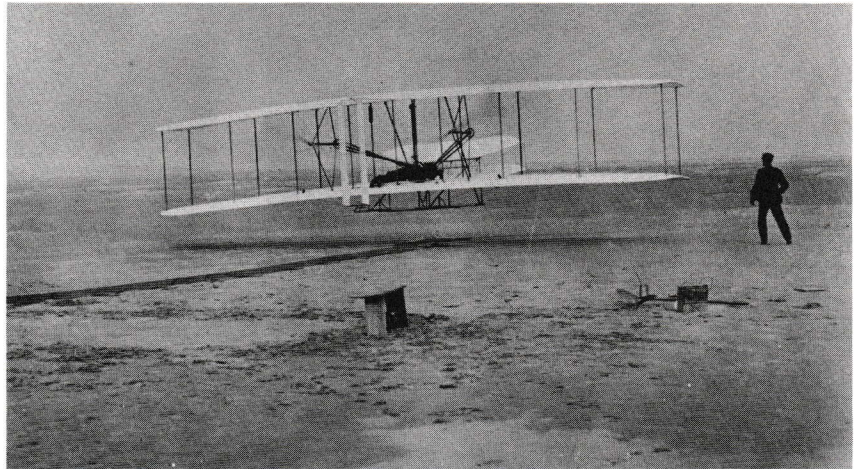
■ **Chicamacomico Lifesaving Station**, Rodanthe. It's fitting that a bit of coastal life is preserved here at the Chicamacomico Lifesaving Station. From 1874 until 1954, lifesaving crews battled the treacherous shoals and surf of Hatteras Island to make daring rescues. Free admission. Call 919/987-2203 for a schedule.

■ **Tryon Palace**, New Bern. In colonial times, this was known as the most beautiful building in America. And even now, the most elaborate modern structures can't match the splendor of the home where both royal and colonial governors lived, met with their legislatures and conducted official business. Admission for a tour of all buildings and gardens is \$9 for adults and \$4 for students. 919/638-1560.

■ While we're stepping back into colonial America, let's take a stroll through the streets of historic **New Bern**. Founded in 1710 by German and Swiss settlers who named it after Bern, Switzerland, New Bern was a thriving seaport and government center in colonial times. 919/637-3111.

■ **Ocracoke**. This remote village exemplifies coastal life before the condo craze. Ocracoke's history harks back to the days of Blackbeard and the Revolutionary War. The village is accessible by ferry from Swan Quarter, Hatteras or Cedar Island.

■ **Portsmouth**. Just across the inlet from



Ocracoke lies Portsmouth Island. This village, included in the National Register of Historic Places, is part of the National Park Service's Cape Lookout National Seashore. Once a flourishing shipping point, Portsmouth is deserted now, but maintained by the park service. You can reach Portsmouth by way of two concessioners who operate ferries from Ocracoke and Cedar Island, or you can take your own boat to the island. 919/728-2121.

■ **Fort Macon**, Bogue Banks. Attention troops. We're about to enter Fort Macon, a restored pre-Civil War fort. It was completed in 1834 to protect the area around Beaufort from sea attack. Now, the fort is part of the N.C. Division of Parks and Recreation. Free admission. 919/726-3775.

■ **Historic Wilmington Tour**. Get your walking shoes ready for a tour of this historic port city. You'll take a seven-block stroll through 18th- and 19th-century Wilmington. Tours are \$5 for adults and \$2.50 for children. 919/762-2611.

■ **USS North Carolina Battleship Memorial**, Wilmington. She's retired now, but her decks are still in service for tourists. In fact, over 231,000 visitors helped make this seafaring lady the state's premier tourist attraction in 1984. Commissioned in 1941, the *USS North Carolina* was the first of the modern American battleships. Stationed just across the Cape Fear River from downtown Wilmington, the 35,000-ton battleship hosts daily tours of her nine decks and levels. Admission is \$3 for visitors over 12 and \$1.50 for children ages 6 to 11. 919/762-1829.

■ **Orton Plantation**, south of Wilmington. It's spring at Orton Plantation, and you're just in time to see the azaleas, camellias, wisteria, dogwood and fruit trees in bloom. This 18th-century plantation features one of America's finest gardens. Admission is \$4.50 for adults and \$2 for children ages 6 to 12. 919/371-6851.

Continued on next page

Wilbur and Orville Wright made this historic first flight at Kitty Hawk on December 17, 1903

FESTIVALS AND EVENTS

Join the celebration. Center your coastal visit around one of the area's many special events. Cities up and down the coast honor local flora such as the azalea, crops and catches such as the peanut and the shrimp, and special events such as the Fourth of July. Here's a sampling of coastal events.

■ APRIL

10 - 13. North Carolina Azalea Festival. Wilmington. 919/762-2613.

■ MAY

9 - 11. 14th Annual Hang Gliding Spectacular. Jockey's Ridge State Park, Nags Head. 919/441-4124.

16 - 18. Pleasure Island Spring Festival. Carolina and Kure beaches. 919/458-8434.

23 - 25. RiverSpree Festival. Elizabeth City. 919/335-4365.

■ JUNE

7. Dare Day. Manteo. 919/473-2143.

7 - 8. Spring Gathering of Small Wooden Boats. N.C. Maritime Museum, Beaufort. 919/728-7317.

13 - August 30. "The Lost Colony." An outdoor drama in Manteo. Beginning in June, presented nightly, except Sunday, at 8:30 p.m. Reservations recommended. Write P.O. Box 40, Manteo, N.C. 27954, or call 919/473-2127.

13 - 14. North Carolina Blue Crab Derby. Morehead City. 919/726-6340.

Mid-June. Great Trent River Raft Race. A homemade raft race on Trent River in New Bern. 919/637-6144.

21. Wanchese Seafood Festival and Blessing of the Fleet. Wanchese. 919/261-3801.

27 - 28. Old Homes Tour and Antique Show. Beaufort. 728-5225.

Late June to mid-August. "Blackbeard: Knight of the Black Flag." An outdoor drama in Bath. 919/792-4977.

■ JULY

4. Belhaven Fourth of July Celebration. 919/943-3370.

4. Fourth of July Fireworks. USS North Carolina Battleship Memorial in Wilmington. 919/762-1829.

4. July 4th Celebration. Waterfront Park, Elizabeth City. 919/338-3860.

4. Optimist Fabulous Fourth. Edenton. 919/482-3400.

4 - 6. Croaker Festival. Oriental. 919/249-0031.

25 - 27. Washington Summer Festival. 919/946-9168.

■ AUGUST

9. Shrimp Festival. Sneads Ferry. 919/327-3388.

21. 10th Annual Strange Seafood Exhibition. N.C. Maritime Museum, Beaufort. 919/728-7317.

■ SEPTEMBER

13 - 14. Currituck Wildlife Festival. Barco. 919/336-2787.

26 - 28. 8th Annual N.C. Waterfowl Weekend. Nags Head. 919/261-3801.

27. National Hunting and Fishing Day Expo. Manteo. 919/473-3493.

■ OCTOBER

3 - 4. Peanut Festival. Edenton. 919/482-3400.

3 - 4. Spot Festival. Hampstead. 919/270-2464.

3 - 5. October Marsh and Sea Fest. Manteo. 919/473-3493.

11. 32nd Annual Mullet Festival. Swansboro. 919/326-4256.

11 - 12. 6th Annual N.C. Oyster Festival. Ocean Isle Beach. 919/754-6644.

Mid-October. Pleasure Island Octoberfest. Carolina and Kure beaches. 919/458-8434.

27 - 28. Festival by the Sea. Holden Beach. 919/842-6844.

Photo by Clay Nolen



Sailing regattas are a part of many coastal celebrations

■ **Brunswick Town**, near Southport. The British burned this town in 1776, and it was never rebuilt. Then, during the Civil War, Fort Anderson was constructed on part of the village site. Today, a nature trail meanders past colonial foundations, the ruins of St. Philips Church and the fort's earthenworks. Admission is free. 919/371-6613.

■ **Fort Fisher**, three miles south of Kure Beach. The last major stronghold of the Confederacy, this fort was the largest earthwork fortification in the South during the Civil War. The fort fell in January 1865, severing the Confederacy's supply line. Located on site are the remains of the fort and a visitor center/museum. Admission is free. 919/458-5538.

THE BACK PAGE

"The Back Page" is an update on Sea Grant activities — on research, marine education and advisory services. It's also a good place to find out about meetings, workshops and new publications. For more information on any of the projects described, contact the Sea Grant offices in Raleigh (919/737-2454). For copies of publications, write UNC Sea Grant, NCSU, Box 8605, Raleigh, N.C. 27695-8605.



Sportfishing tournaments are nothing new. But how about a tournament that awards purses to the fishermen who land the biggest amberjack, jack crevalle or spadefish? As stocks of popular fish dwindle, tournament officials are likely to include a broader range of fish on their list of target species, says Jim Murray, Sea Grant's Marine Advisory Service director.

To help incorporate underutilized species in tournaments, David Griffith and Jeff Johnson, anthropologists from East Carolina University's Institute for Coastal and Marine Resources, and Murray have written a guide, *Using Nontraditional Fish in Saltwater Sportfishing Tournaments*. The report, published by Sea Grant, is part of a National Marine Fisheries Service study designed to promote underutilized species.

The researchers examine the benefits of adding underutilized species to existing tournaments and of creating a new tournament specifically for them.

To demonstrate the possibilities, the researchers tested their ideas. They worked with officials of a king mackerel tournament to add an amberjack category. And, in cooperation with the South Carolina Sea Grant Consortium, they organized a new tournament for underutilized species in Beaufort County, S.C.

Using Nontraditional Fish in Saltwater Sportfishing Tournaments outlines the researchers' findings and suggestions. For a free copy, write Sea Grant. Ask for UNC-SG-86-05.



For avid saltwater anglers, there's nothing else like them. Fishermen look forward to them, plan their vacations around them and take their whole families to them. What could work an angler into such a fishing frenzy? A saltwater sportfishing tournament, of course.

From late May until early November, it's tournament season. That means anglers flock to the coast for a week or weekend of competitive fishing pleasure. Fishing clubs, marinas and piers sponsor the tournaments in locations all along the North Carolina coast.

This year, Jim Bahen, Sea Grant's marine advisory agent in Wilmington, and his assistant, Gail Miller, called tournament officials from Currituck to Calabash to pin down dates and sponsors. The result is a brochure, "1986 North Carolina Saltwater Sportfishing Tournament Guide," published by Sea Grant. The brochure lists many of the tournaments and the North Carolina saltwater sportfishing records.

For a copy of this free brochure, write Sea Grant. Ask for UNC-SG-86-04.

Sea Grant is offering a marine policy fellowship for graduate study leading to a master's degree in the Department of Sociology, Anthropology and Economics at ECU. The fellowship, which is administered through the ECU Institute for Coastal and Marine Resources, provides a student with a \$6,000 stipend, full tuition and fees (including out-of-state tuition), and funds for supplies, travel and other research expenses. The graduate student will work with Michael Orbach, a maritime anthropologist in the department, on marine policy issues.

Applicants should submit complete transcripts, graduate record examination scores, a statement of interest and at least three references to Orbach at the Institute for Coastal and Marine Resources, ECU, Greenville, N.C. 27834. For more information, call Orbach at 919/757-6883 or 757-6779.

Sea Grant researcher Michael Orbach, a maritime anthropologist at ECU, will offer a course on marine policy at the Duke University Marine Laboratory from July 14 to August 15.

The course introduces students and professionals to marine policy and policymaking. The history of marine organizations, legislation and issues will be traced, and their effects on local, regional, national and international arenas will be explored.

Students in the course may receive credit from either the University of North Carolina at Chapel Hill or Duke University. For more information, write Orbach at the Department of Sociology, Anthropology and Economics, ECU, Greenville, N.C. 27834, or call 919/757-6883. For registration information, call the UNC Institute of Marine Sciences at 919/726-6841 or the Duke University Marine Laboratory at 919/728-2111.



Get beached at summer camp this year! Retreat to Pine Knoll Shores to join the state 4-H program, UNC Sea Grant and the N.C. Marine Resources Center for the "4-H Marine Environment Workshop," July 20 to 25. This unique summer camp will give students ages 14 to 18 the opportunity to examine North Carolina's marine resources and to increase their awareness of ecological problems affecting marine life. Workshop participants also can explore careers in marine-related fields.

Program activities for the week include a marsh habitat study, an ocean beach investigation, snorkeling, a ride on a fishing trawler and field trips. The workshop will be held at the N.C. Marine Resources Center at Pine Knoll Shores, with lodging and other activities at the Mitchell 4-H Camp in Swansboro.

The workshop is limited to 40 participants. Persons who attended previous 4-H marine environment workshops are not eligible, and 4-H membership

Continued on next page

is not a requirement. Interested people should send an application and a one-page letter explaining why they want to attend. Applications and letters must be received by June 15.

The cost is \$125, which includes all field trips, tours, insurance, equipment fees, lodging and meals.

Adult volunteers are needed to assist with the workshop. If you'd like more information, write State 4-H Office, Box 7606, N.C. State University, Raleigh, N.C. 27695-7606. Or call, 919/737-3242.

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Coastwatch is a free newsletter. If you'd like to be added to the mailing list, fill out this form and send it to Sea Grant, Box 8605, NCSU, Raleigh, N.C. 27695-8605.

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