

# The STEWARD

North Carolina Division of Parks and Recreation

James B. Hunt Jr.  
Governor

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Jonathan B. Howes  
Secretary, EHNR

## NCSU Completes Lumber River Plan

LUMBERTON — Lumber River State Park is one step closer to becoming a reality, due to a unique alliance between the civic and corporate worlds.

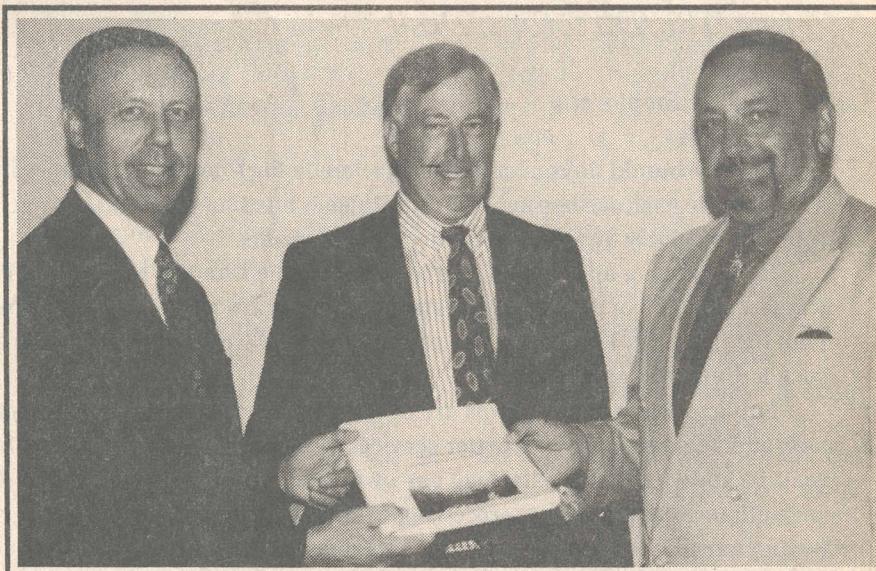
Researchers from North Carolina State University have completed a master plan for the Lumber River, culminating a rare partnership of local citizens, the academic and corporate communities, and state government.

In 1989, the General Assembly designated the Lumber River as a state natural and scenic river and authorized a Lumber River State Park, but no funds were appropriated for land acquisition, development and operation. In the fall of 1991, Carolina Power and Light issued a challenge grant to the Lumber River community, offering to match up to \$40,000 for the development of a master plan for the park.

Matching funds of more than \$45,000 were raised by the Lumber River Citizens Advisory Committee. The Department of Parks, Recreation and Tourism Management at North Carolina State donated \$31,692 in in-kind services to prepare the plan.

The completed master plan is the realization of two years of effort by North Carolina State University, the Lumber River Advisory Committee, Carolina Power and Light and the Division of Parks and Recreation. Dr. Phil Rea, head of the Department of Parks, Recreation and Tourism Management at NCSU, said complete implementation of the plan would cost \$13 million.

University planners released the master plan to the Division of Parks and



**MASTER PLAN TRANSFER** - Phil Rea of NCSU (left) and John Monroe of CP&L (center) present the Lumber River Master Plan to Tom Wells, deputy director of the Division of Parks and Recreation.

Recreation on July 13th at a luncheon and forum in Lumberton hosted by Carolina Power and Light Co.

Lumber River State Park, which winds through four counties, will be the longest park in North Carolina. The 115-mile stretch of river travels through Hoke, Scotland, Robeson and Columbus counties. The proposed 9,000 acre park will include camping facilities and boat ramps along different stretches of the river.

Funding for the Lumber River master plan is just one of many initiatives by CP&L on behalf of the North Carolina state parks system. The utility became the first corporation in the country to adopt an entire state parks system when it began the Adopt State Parks program in 1991.

The program includes \$144,000 to be used over a four-year period for environmental education. Volunteer efforts and a grant program challenging other businesses and industries to adopt state parks are also included in the initiative. In addition, Carolina Power & Light employees and their families have donated \$200,000 in in-kind assistance and labor to the state parks system.

Prior to the final adoption of the new master plan, the Division of Parks and Recreation is required to prepare an environmental impact study, provide other affected agencies with an opportunity to review the plan and conduct a public meeting. Final approval of the master plan should take place by early December.

Department of Environment, Health, and Natural Resources

## *Up Close And "Personnel"*

By Judy Warren  
Personnel Officer

This month was an exciting one for division staff. Exciting, because we had the opportunity to honor some very special members of our parks and recreation team.

**Robert Skinner**, the division's administrative officer, was honored with the division's Distinguished Service

Award for his effective management of division budget and purchasing functions and his implementation of several new programs.

**Kenny McGrady**, west district maintenance manager, was honored with the division's Special Achievement award for his leadership in constructing the division's exhibit for the Southern Spring Show.

**Mike Schafale**, ecologist with the natural heritage program, was honored with the division's Special Achievement Award for his role in the preparation of the Biennial Protection Plan.

All employees will be happy to hear that the two percent salary increase was approved by the General Assembly. This increase will be reflected in the July paychecks.

### *From The Director's Desk*

Dear Fellow Employees,

The hot humid days of summer have made for some exciting times in the Division of Parks and Recreation. The legislature has kept staff in Raleigh hustling and field staff across the state have had their hands full with a variety of visitor activities and programs.

It has taken a lot of effort, but it looks like the Lumber River State Park is coming closer to fruition. Researchers at North Carolina State University have completed their role in the development of a master plan for the park. I am excited to see how years of work between public and private concerns can make such a dream become a reality.

Public/private partnerships are developing across the state parks system that heighten public awareness and help us to provide better services to park visitors. The J. W. Moore Group has produced an exciting state parks PSA starring our own Ranger Scott. Umstead State Park has indeed benefitted from such alliances this month — receiving over \$3,600 in proceeds from the recent EarthBuddies concert, and having a trail resurfaced by volunteers from SAS Institute.

Jordan Lake staffers were busy setting up education and interpretation facilities in the park. Newly built amphitheaters in some of the recreation areas will be used to unlock nature's mysteries at Jordan Lake. Twenty rangers newly trained in interpretive skills at the recent Skills I training will also boost our interpretation and education programming.

The Natural Heritage Program has also been busy this month. They have published their biennial protection plan and have been honored by the Town of Cary for their role in the establishment of Hemlock Bluff's Nature Preserve. I am proud of the important contribution they make to the division and of the assistance they provide to our citizens and other agencies and organizations.

I was also proud to have the honor of presenting awards to three division staff members. Robert Skinner, Kenny McGrady and Mike Schafale have been recognized by their fellow co-workers for their hard work and dedication to the division.

Keep up the good work!!

Sincerely,

*Phil*

Philip K. McKnelly

## **C**ution Around Water Saves Lives

# For Safety's Sake

On a scorching summer day, nothing is quite as refreshing as jumping into the nearest body of water. However, as cool and inviting as it may look, water can be a killer. Drownings claim about 4,600 lives each year and are the fourth leading cause of accidental death in the United States.

Most drownings occur in natural water environments (lakes, rivers and oceans) and swimming pools. Most swimming pool accidents happen in privately owned facilities found in homes, apartments, hotels and resorts. Unintentional entry into water accounts for more than half of all drownings and includes trips and falls from docks, boats, bridges and pool perimeters. These accidents are often the result of horseplay, roughhousing, the use of alcohol and/or drugs, or a child's curiosity.

Swimming accidents cause hundreds of spinal injuries each year, many of which result in permanent paralysis for the victim. These injuries are caused by diving head first or too deep into shallow water, diving into objects or other swimmers, diving from high places, and diving into water of unknown depth. Most serious injuries, about 95 percent, result from dives into water less than five feet deep.

The majority of water-related accidents are preventable. By following simple safety rules, acquiring swimming and diving skills, and recognizing hazardous situations, you can avoid a tragedy. The following swimming and diving precautions from the Safety and Health Council of North Carolina can help you make it a safer summer.

—Seek swimming instruction from a qualified instructor for you and your children. Many water-related accidents occur when people are mistakenly confident in their swimming ability.

Take the time to develop complete swimming and diving skills.

—Never swim alone. When possible, confine your water activities to areas supervised by lifeguards.

—Children must be supervised constantly by a responsible adult whenever they are in or around water.

—Obey posted safety rules.

—Know and do not try to exceed your swimming limitations.

—Avoid swiftly moving water. If caught in a current, swim in the same direction as the current and angle toward the shore until you reach safety.

—Stay out of the water during thunderstorms and other extreme weather conditions. If lightning starts, get out of (or off of) the water and seek shelter away from metal objects, large trees and open areas.

—Know your ability to rescue a swimmer. Only experienced, properly trained swimmers should themselves attempt to rescue someone in trouble.

—Learn and practice basic lifesaving techniques, including first aid and cardiopulmonary resuscitation. Know how to throw a line or ring buoy to a swimmer in trouble—in an emergency you can use anything that floats.

—If you are a poor swimmer, do not rely on inner tubes or other flotation objects for protection. The only reliable device is a life vest or life jacket, also known as a personal flotation device, approved by the U.S. Coast Guard. Life vests should be worn at all times when boating.

—Always check water depth before diving—enter feet first if you are not sure of the depth. Never dive into an above-ground pool.

—When diving, always enter the water with your arms extended firmly overhead and keep your hands together to protect your head.

—Avoid the use of alcohol or other drugs when you are around the water.

## *Heritage Program Honored*

CARY - The Natural Heritage Program was honored by the Town of Cary at a ceremony on July 5. The town expressed its appreciation to the program for its assistance in the establishment of the Hemlock Bluffs Nature Preserve.

Cary Mayor Koka E. Booth presented the Natural Heritage Program with a plaque at a program held at the Steven's Nature Center at Hemlock Bluffs. Also honored were the Triangle Land Conservancy and the Wake County Audubon Society.

Hemlock Bluffs was added to the state registry of natural areas in 1979.

The Natural Heritage Program has inventoried the land for protection and identified natural communities of plants and animals.

Hemlock Bluffs is believed to hold plant species dating back to the last glacial period, some 10,000 years. The protective nature of the north-facing bluffs provides a relatively cool and moist environment.

In 1983, the Town of Cary obtained a 25 year lease to manage state-owned property at the bluffs. Hemlock Bluffs is located south of US 1 on Kildaire Farm Road.

# Eno Festival A Rousing Success

By Erik Nygard  
East District I&E Specialist

Sweat dripped from Bill Hubbard's eyebrow as he welcomed another visitor to the hot and humid tent. Tom Howard attracted a crowd with his magic crayons routine which made everyone an instant artist. Smith Raynor told tales of mystery surrounding the various items on the exhibit table. One could watch as a child's eyes widened in amazement upon touching the skull of a bear.

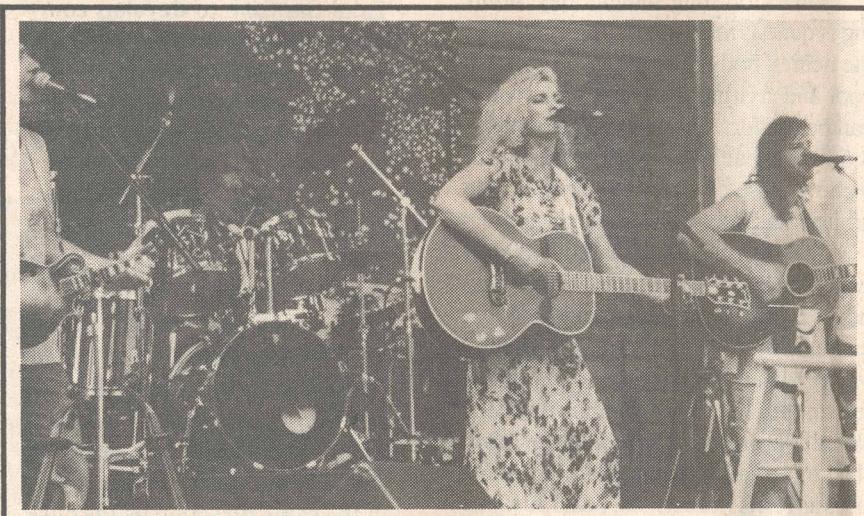
Darrell McBane returned to the cooler for a cold one-soda that is, as all did continuously throughout the sweltering day. Martha Williamson, who never appeared to be phased by the heat, could be seen signing up volunteers for various park projects.

Across from the Division exhibit, Dave Cook and Scott Hartley were surrounded by curious people seeking a glimpse of a Neuse River Waterdog, this year's Eno logo. Volunteer Jennifer Howard eagerly interpreted the variety of aquatic life found in the river. Numerous other volunteers shuffled in and out.

That was how it looked for this 14th annual Eno Festival. The event is held at Westpoint on the Eno, a Durham city park, around the July 4th holiday. The festival helps raise money for land acquisition and increases awareness of Eno State Park. Some 35,000 people attended the three day event this year. Each day 1,500 volunteers made the festival a success.

Vendors offered a variety of crafts and foods. Barbecue sandwiches from Fairbault's Pit Cooked Bar-B-que and Steph's strawberry shortcakes were the hits amongst the park staff. As usual the drink stands did brisk business in the heat.

Three stages were constantly providing a wide spectrum of entertainment. Each year numerous performers return such as Chuck Davis and the African-American Dance Ensemble, The



FESTIVAL FOR THE ENO - Emmylou Harris and the Nash Ramblers perform at the Eno Festival.

Sam Bruton Group and Rebecca and the Hi-Tones.

This year Loudon Wainwright III of Chapel Hill captured the audience with his wit. Wainwright penned the memorable "Dead Skunk in the Middle of the Road." Emmylou Harris and the Nash Ramblers drew an enormous, energetic crowd in the sizzling sun for two shows- including the finale. A number of off-duty rangers and even the Deputy

Director could be seen moving to the beat of Emmylou's energy in celebration of our nation's birthday and there River State Park.

Parks and Recreation's own Lance White, construction technician with the planning and development section, performed with his band, Too Much Fun. Even the scorching heat didn't stop festival goers from dancing to the group's good time tunes.

## SAS Employees Volunteer At Umstead

On a hot summer day over 30 employees from SAS Institute volunteered their time to perform trail maintenance at William B. Umstead State Park. The group worked more than 200 person hours to refurbish a 1,200 linear foot section of the Loblolly Trail.

SAS volunteers placed 1,000 cubic yards of mulch on the trail, which serves as a portion of the City of Raleigh's greenway system. The trail runs from Umstead's Reedy Creek section to NCSU's Carter Finley Stadium.

The \$12,000 worth of mulch used for the project was also donated by SAS. The Institute made the mulch from trees cut for the company's Wessex project.

Cary Mayor Koka Booth, who

serves as a public relations specialist with SAS, spearheaded the June 26th workday. "SAS is a community corporation and we like to donate our funds where the employees would like to participate," said Booth. "Umstead is our neighbor and we believe by helping the park, the whole community benefits."

SAS volunteers will return to Umstead to place pipe and build a bridge made entirely of recycled plastic. "I think we've done something really unique by using materials recycled from one of our own projects," said Booth, "and we're really proud of it."

The Cary-based company is considering additional projects at parks in other parts of the state.

## Amphitheaters Enhance Interpretive Programs

# Jordan Develops I&E Facilities

By Kevin Naughton

Chief of Planning and Development

As the dust begins to settle from the many years of initial construction at Jordan Lake State Recreation Area, the park staff is going the extra mile to make the facility even better. The expansive construction program, valued at roughly \$60 million dollars, is nearing completion with the anticipated delivery of the New Hope Overlook primitive campgrounds and Robeson Creek boat launch facility. The construction program required a tremendous amount of effort from park staff. They performed numerous construction inspections and spent many hours working out the many kinks typical of any construction project.

Now they are also dealing with a veritable onslaught of park visitors. During the recent Memorial Day weekend, nearly every available campsite was occupied, and cars were being stopped at the day-use area gates to wait for other cars to come out. The Jordan Lake State Recreation Area project encompasses over 1,000 campsites as well as four major beach areas. Total visitation for the Memorial day weekend was 18,000.

A visitor season as busy as this one, makes exhausted staff look forward to a nice quiet winter. This past winter, things were far from quiet at Jordan Lake. Park staffers were busy building display panels for the many kiosks located throughout the project. Using both painted and relief information, the interpretive panels describe the many natural and cultural resources surrounding Jordan Lake. Staff not only employed a great deal of their own technical skills in developing the panels, but also successfully enlisted volunteer help from outside sources. The panels were built so they could be interchanged and moved around the project. Cedar shake roofs were added to the kiosks to provide more protection and give them more "park look."

Since, aside from picnic shelters, the park has nowhere in which to provide interpretive programs, the staff decided to build amphitheaters at several recreational areas where overnight visitors stay. Amphitheaters were built at Crosswinds Campground, Poplar Point Campground and at the Parker's Creek Recreation Area, each with unique features. Some were built using heavy timbers, while others had intricate stonework for bench pedestals. At Crosswinds, a built-up two-by-four inch bench was used to drain water from the seats. All amphitheaters were designed and built by park staff. It became a competition to see who could build the best amphitheater; I think all three came out winners. With the construction of the amphitheaters, the park staff has held interpretive programs pertaining to astronomy and have offered night hikes, campfire programs, various slide programs and living history presentations.

Park staff also developed a trail system to provide another, more passive interpretive opportunity to visitors.

There are approximately eight miles of trails located in the various recreation areas around the lake, the majority of which have been constructed in the last two years. Some of them have displays along the way describing the different types of flora and fauna found in the area.

The staff has also worked diligently to develop the Environmental Education Learning Experience (EELE) for Jordan Lake. Jordan Lake's EELE features predator/prey. It was one of the first EELE's to be produced by the Division and serves as a hallmark for all future EELE's.

So in addition to dealing with all the many issues associated with new facilities and high visitor use, the Jordan Lake staff has worked hard to provide a new dimension to the visitor experience at Jordan Lake. Beside providing a place where visitors can go for a swim, boat ride, or an overnight camping trip, Jordan Lake provides an excellent educational opportunity to its ever-growing visitor population.



New Amphitheater at Jordan Lake

## PARKS PEOPLE

### State Parks Featured In New Book

*North Carolina, Images of Wilderness*, a beautiful as well as educational book on the state's natural heritage was published in June by Westcliffe Publishers. Featured in the publication is an article on the Appalachian Mountains by Alan Weakley, botanist with the natural heritage program.

Photographic images of many state parks are found throughout the 128-page book. George Humphries, a North Carolina native did the photography.

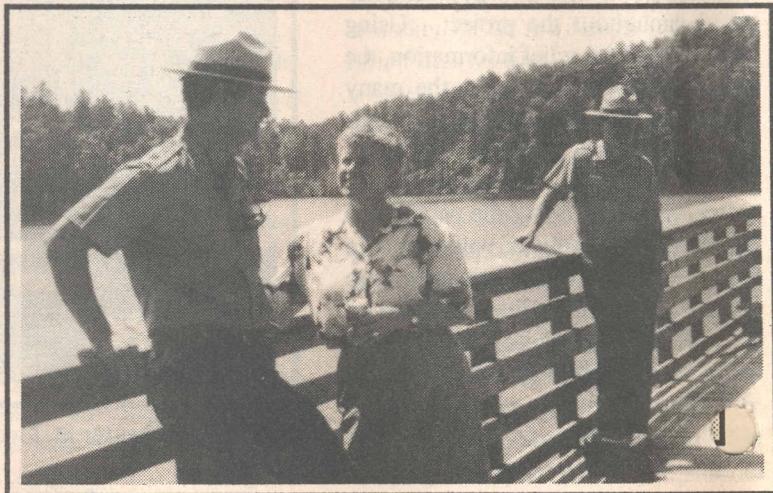
Westcliffe publishing company does business with state and national parks, monument associations and concessions around the country.



**Right**  
David Kellam, superintendent of Falls Lake State Recreation Area, and Joan Weld, DEHNR assistant secretary for natural resources, exchange fish stories at one of the new fishing piers at the recently opened Beaverdam area.

**Top**  
*Phil McKnelly is pictured with award winners, Robert Skinner (center) and Kenny McGrady.*

**Center**  
*From left, Phil McKnelly, parks director, Joe Tanner, US Army Corps of Engineers, Joan Weld, DEHNR assistant secretary and Frank Eagles, Falls Lake Park Advisory Committee, cut the ribbon at the Beaverdam dedication.*



# Rangers Receive I&E Training

By Smith Raynor  
South District I&E Specialist

One of the keystones in the mission statement of the state park system is to "provide environmental education opportunities that promote stewardship of the state's natural heritage."

In most cases, it is the park ranger that facilitates the environmental education opportunities for the visiting public. Rangers at our parks are responsible for planning, scheduling and presenting interpretive programs for park visitors.

As the parks become increasingly involved in environmental education, both through programming and the Environmental Education Learning Experiences, additional training is needed to prepare the rangers for this facet of their jobs.

In early June, twenty rangers were given the opportunity to participate in Interpretive Skills I, a four day seminar at Camp Carraway in Asheboro. The seminar focused on the basic skills involved in interpretation and education programming.

The rangers were taught how to select and develop a theme for a program. They were then given the opportunity to demonstrate their skills in front of a video camera and by leading a group on a nature hike.

Another topic covered was methods of handling visitors—from the disabled to the disruptive. Additionally, the group was instructed in the operation and maintenance of audio-visual equipment and program promotion.

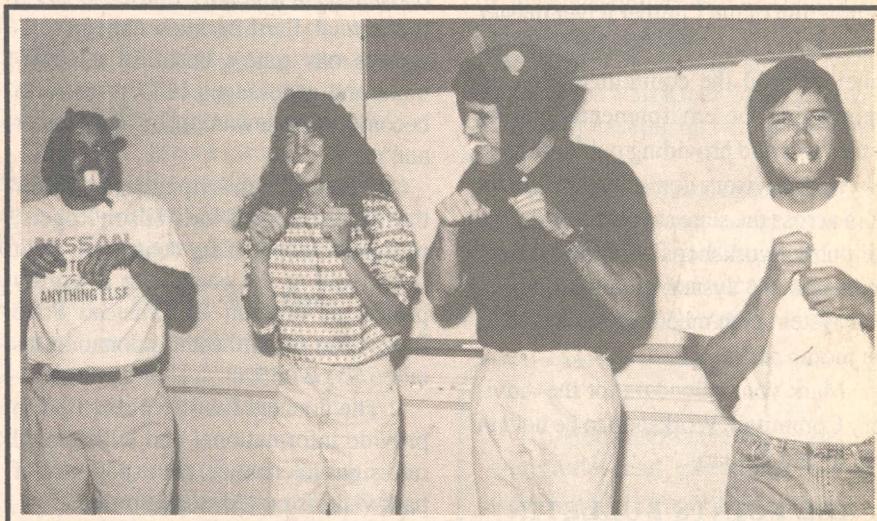
One highlight of the week was the group interpretation presentations. The mating habits of wood ducks and the effects of nuclear waste on a natural area were two of the topics covered.

Participants benefitted from the skills of veteran interpretation and education specialists, like Erik Nygard and Tom Howard. As a part of his instruction, Tom led the group on a night hike and expounded upon various creepy crawlies. In a less traditional approach,

Erik Nygard dressed as Tina Turner, complete with miniskirt, appropriate-sized balloons placed in appropriate places, high heels, wiggle and music.

The seminar was organized and

taught by the district interpretation and education specialists, Jack Greene, Tom Howard, Erik Nygard and Smith Raynor, and head interpretation and education specialist, Becky Marty.



THE BEAVER PATROL - Rangers flaunt their newly acquired interpretive skills. From left are Chris MacIntire, NERI; Shelley Mott, LAWA; Tim Brewer, CLNE and John Fullwood, JORI.

## Natural Heritage Publishes Protection Plan

The North Carolina Natural Heritage Program has published its 1993 Biennial Protection Plan. The plan is prepared every two years to inform the Governor, the General Assembly and the public of program activities planned for the upcoming biennium. The plan is presented in three sections: Plants and Animals, Natural Communities and Landscapes.

**PLANTS AND ANIMALS:** The Natural Heritage Program inventories and monitors the location and status of rare plant and animal species throughout North Carolina. Species may be rare because their populations have been greatly reduced as a result of human activity. The Biennial Protection Plan presents a brief summary of the status of the major groups of species.

**NATURAL COMMUNITIES:** Plant and animal species live together in natural communities, which vary in appearance and composition depending on the soil type, moisture, temperature

and other physical factors. The Natural Heritage Program inventories and monitors natural community types as distinctive elements of biological diversity. The Biennial Protection Plan groups these community types into themes, and discusses the goals, protection needs and management issues of each theme.

**LANDSCAPES:** Natural communities occur in complex mosaics across the landscape. Inventory and protection efforts often are directed toward landscapes containing a combination of different species and community types. The Natural Heritage Program often conducts inventories on a regional basis, for multi-county areas, and for national forests, military bases and other large federal landholdings.

An appendix to the Biennial Protection Plan lists the most significant natural areas known in North Carolina. The list includes approximately 1200 sites. For more information, contact the Natural Heritage Program at 733-7701.

## ADVISORY ACTION

Members of the Lumber River Advisory Committee joined Lumberton officials, CP&L executives, staff from NCSU and division employees at a luncheon to commemorate the completion of the Lumber River master plan. Danny Isom, vice chairman of the panel stressed the committee's role in maintaining the environmental quality of the river and providing public access.

Park advisory committee members from across the state are participating in the public workshops soliciting public input into the systemwide plan. Nineteen system plan meetings were held in the month of July.

Mark your calendars for the Advisory Committee Workshop to be held in mid to late January.

## ALL POINTS BULLETIN

Call to all state park advisory committees! The Steward Staff is looking for brief reports on your committee's initiatives to share with other advisory members across the state. Please work with your Superintendent in making us aware of your worthy works. Reports should be sent to:

The Steward Editor  
NC Division of Parks and Recreation  
Archdale Building  
P.O. Box 27687  
Raleigh, NC 27611

## EarthBuddies Concert Benefits Umstead

By John Poole  
Special Projects Coordinator

The North Carolina Division of Parks and Recreation and numerous other environmental groups from the area participated in the "EarthBuddies III" concert at Walnut Creek Amphitheater held on June 25 in Raleigh. Started in 1991, the annual EarthBuddies concert celebrates our state's beautiful environment and encourages concert-goers to become better stewards of our land, water and air.

Walnut Creek Amphitheater, under the management of Mr. Wilson Rogers, pledged to donate fifty cents from each ticket sold at the concert to a worthy project at William B. Umstead State Park. The amphitheater's donation totalled \$3,627.50.

The donated funds will be used to provide informational and educational trail signs to enhance the experience of park visitors on Umstead's trails.

This year's EarthBuddies entertainment featured 10,000 Manicas. World Tour also performed at the outdoor musicfest. The "10,000 Maniacs" attract a loyal following of concert-goers, boosting the number of tickets sold to the event.

Umstead Superintendent Ed Littrell applauded Walnut Creek's generosity. "The leadership displayed by Walnut Creek and other businesses is an excellent example of the kind of public/private partnerships that are moving the state parks forward. Through citizen and corporate support we will move into the

21st century with a brighter outlook," Littrell said.

As part of the concert, the North Carolina state parks system and a dozen other environmental groups manned exhibits. Hundreds of concert-goers stopped by to look and ask questions before and during the show. State parks received strong support through people signing up to volunteer at state parks or requesting additional information about park facilities and resources.

Special thanks go to Superintendent Ed Littrell and his staff for constructing some attractive display panels and helping to set-up and staff the exhibit. Thanks also to Eric Dousharm, ranger at Falls Lake Recreation Area, for his valuable assistance in manning the exhibit.

Wilson Rogers has pledged to make the fund-raising concert for William B. Umstead State Park an annual event at Walnut Creek. Rogers also plans to encourage other businesses and groups to support the state parks system.



A SHOW OF APPRECIATION - Ed Littrell presents Wilson Rogers with a plaque for his efforts on behalf of Umstead State Park..

Eunice Kennedy Shriver

## Lights, Camera - Action

# JW Moore Produces State Parks PSA

RALEIGH-The J.W. Moore Group has completed the first in a series of public service announcements promoting interpretive education programs available at state parks. The work, entitled "Night Hike", should start airing on television stations across the state soon.

The video stars the division's own "Ranger Scott" taking some children through the woods for a peek at the "creatures of the night." The theme of the video is similar to the start of the

movie "E-T, the Extra Terrestrial." It shows off South District Superintendent Scott Daughtry's boots and fancy flashlight work.

Although this was not Daughtry's first stint in front of the camera, he was amazed at all the work going into a thirty second spot. Hours were spent trying to get angles just right and shots perfect.

The J.W. Moore Group, a Greensboro-based public relations firm, handled the creative end of the video, while the Avatar Group took care of the filming.

Both businesses donated money and manpower for the video.

Several other companies had a hand in making the video a reality. Creative Post and Transfer, as well as Televisual took care of editing the package. Videophonics dubbed the spot to VHS video and Joe Van Riper donated musical talent by coming up with an original score.

"This is an expensive undertaking that the division never could have afforded on its own," said Daughtry. "It is volunteer effort and interest like this that truly helps our state parks system."

## Hammocks Beach To Receive Video

**BEAR ISLAND**— Hammocks Beach State Park Superintendent Sam Bland will soon have a new weapon in his arsenal to promote the park. Through Carolina Power & Light's Volunteers in Parks program, Bland is putting together a promotional video to showcase the park's history and natural beauty.

"I wanted to be able to have something, so when we'd go anywhere out of the park, we'd have a video for people to see the place," said Bland. "While the funds for the VIP program usually go for things like maintenance, I wanted to do something different."

Bland got the idea for the video in April of last year and submitted it to CP&L for approval. CP&L agreed to edit and package the video, but needed someone to gather the raw footage. Former Division of Parks and Recreation Interpretation and Education Head, Mike Dunn, agreed to donate his time and equipment to shoot the pictures. Dunn owns a video production company in Raleigh known as Nature Vision.

Filming for the video started in February of this year. Bland would like to get more pictures in the fall to feature Hammocks Beach State Park during all seasons. The video will highlight the fact the park is a nesting area for the loggerhead sea turtle as well as a favorite nesting spot for colonial shore birds, like the least tern. Bland

wants the tape to "walk" viewers through the park's abundant plant and wildlife and show what facilities are available to park visitors.

Once the video is complete, it will be used as an informational tool at fairs, schools and festivals. "Hammocks Beach State park isn't like all the other state parks," Bland added. "Because we're only accessible by water, the public needs to know how to get here and when is the best time to visit. I believe this video will do just that." Bland hopes the video will be complete by the spring of 1994.

## Annual Golf Tournament Slated

The third annual Division of Parks and Recreation Golf Tournament is set for Friday, October first at the Wilmar Golf Club in Knightdale. Tee times are scheduled from 10:00 a.m. till noon.

The superball tournament is open to all division employees with or without experience. Retired division employees are also eligible. Spouses and other non-division folks are welcome to play, but are not eligible to win team honors. Don't worry about your golf handicap, fun and team building are the name of the game.

A meal and social will follow the tournament. Please mark your calendars! Call Alan Jeffreys for more details (919) 846-9991.

Listed below are the crew, companies and talent who donated their time and /or equipment to make the public service announcement for the park system on May 17, 1993.

### The JW Moore Group

Avatar Group

John Burgess

Carol Koball

Bret Straughn

Stephen Rhodes

Rick Borowiak

Max Holechek

Neil Beard

Tom Holland

Dorne Pentes

Jason Ett

Trish Rupert

Larry Ferguson

Jeff Journey

Mike Freeman

Tracy Kepley

Kathleen Stapleton

Laurie & Haines Maxwell

Haines, Jr., Carrie and Anna

Jack and Kay Concoran

Stephen Burgess

Matt Carter

## Natural Heritage Spotlight

# Not Every Phoenix Rises From Its Ashes

By Steve Hall

Heritage Invertebrate Zoologist

Pitcher plant moths (genus *Exyra*) are a paradox in a double or even a triple sense. Their lifestyle is odd enough.

If you look into the insect-catching tubes of pitcher plants, most of the insects you see are either vainly struggling up the slippery walls or are in the process of being digested. In some pitchers, however, you might find a moth (or even a pair) coolly looking back at you. If they make any effort to escape at all it is downward and deeper into the pitcher.

In other cases, you might find a caterpillar contentedly grazing on an inner wall of the pitcher plant, quite safe from almost all predators. As implied by their name, these moths are entirely dependent on pitcher plants for their survival and are entirely adapted for living safely within their insectivorous hosts. (For more on the natural history of these moths, look for an article by Larry Earley in the August issue of *Wildlife in North Carolina*)

A less obvious paradox is that these moths are highly dependent on fire to maintain their habitat (at least here in the Southeast), but the moths have virtually no defenses that allow them to escape being consumed in a fire.

Pitcher plants, and consequently their moths, only thrive in open and wet habitats such as coastal plain savannas, sandhills seeps, and upland bogs. When natural fires are suppressed, these habitats become quickly overgrown with shrubs and trees, which completely shade out the pitcher plants and thereby obliterate the habitat of their associated insects.

The return of fire, however, may be equally devastating to the insects. Although the pitcher plants and other herbaceous species quickly re-sprout from underground root-stocks or seed banks,

any insect eggs, caterpillars, pupae, or even slow-moving adults that take shelter in the vegetation are likely to be totally annihilated.

This seemingly contradictory situation was quite clear during a recent visit I made to a pitcher plant bog on the edge of the Uwharrie Mountains. A prescribed burn had been conducted on this site only two months earlier. In the burned area, fresh leaves of yellow trumpets and purple pitcher plants (*Sarracenia flava* and *s. purpurea*) had already re-sprouted and were open for business. Not one of these patches showed any sign of caterpillar damage, however, nor did any contain adult pitcher plant moths. In unburned patches, on the other hand, both the caterpillars of one species of pitcher plant moth and the adults of another were easy to find. This contrast was especially striking where the burned and unburned patches were located just a few yards from one another.

The moths' survival in such unburned refuges is actually the key to their habitat paradox. Before the settlement of eastern North America, fires were both frequent and extensive throughout the coastal plain, sandhills, and portions of the piedmont and mountains. But they were also quite patchy in their coverage.

The presence of wet depressions and other local topographic factors limit the spread and the intensity of fire, as do the wet fuel conditions created by summer thunderstorms—the progenitors of virtually all naturally-occurring fires. In the pre-colonial landscape there would thus have been a mosaic of burned areas and unburned refuges extending from horizon to horizon, allowing colonization and re-colonization to keep pace with habitat shifts due either to fire or ecological succession.

The majority of insects living in frequently burned habitats may follow

this kind of colonization strategy—after all, how many options does an egg, larva or pupa have to escape a fast-moving fire. In a study I recently completed of savanna and flatwoods preserves owned by the North Carolina Nature Conservancy, over sixty species of moths, butterflies and grasshoppers appeared to be tightly associated with these characteristic fire-maintained habitats of the Coastal Plain. But only three or four species showed any particular means to escape the effects of fire (primarily those with subterranean larvae.) The rest, including the pitcher plant moths, appear to rely either partly or solely on colonization from unburned refuges as their way of maintaining their presence within the region.

One final paradox represented by the pitcher plant moths, as well as these other insects, is that the prescribed burns used with good intentions of restoring fire-maintained ecosystems can actually do them more harm than good, at least if not carefully planned. Most of the savannas and flatwoods in North Carolina now exist only as small "island" preserves of natural habitat situated with a vast sea of agricultural lands, pine plantations and development. If an entire preserve or all of a particular habitat type is burned at one time, there is little chance now of re-colonization from outside sources. Care must therefore be taken that internal refuges exist at all times and that sufficient time is allowed for re-colonization of burned areas to occur before the unburned refuges are in turn set to the torch. Without this effort, species such as the pitcher plants may survive to display their wonders on televised nature programs, but the equally fantastic story of the pitcher plant moths, contradictions and all, may be lost forever.

A shadowed forest. A sweeping mountain overlook. Places like these, still untouched by the modern world, enrich all of our lives.

At CP&L, we add to our customers' lives every day with electricity at home, work and school. And we add to their lives without electricity, by working to preserve the natural beauty of such places for us all to enjoy. In North Carolina.

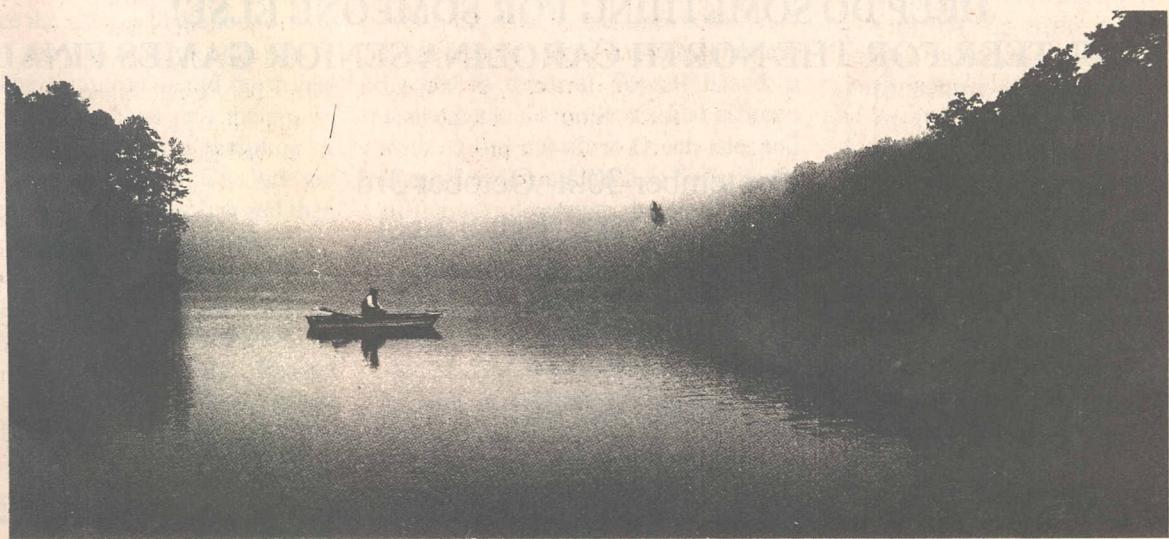
## EVERY DAY, WE HELP OUR CUSTOMERS ENJOY LIFE WITHOUT ELECTRICITY.

our work has distinguished us as the nation's first corporate sponsor of a state park system. And we've made a similar commitment to seven of South Carolina's parks.

As a company, we give money. Money for environmental education, facility upgrades and project grants. As individuals, we give time. Together, these efforts have resulted in CP&L's Adopt State Parks program being named the best environmental program in the United States for an electric utility.

Helping our communities enjoy the power of nature is just another way we strive to improve life here in the Carolinas. To be a part of it, just call State Parks Volunteer Assistance at (919) 846-9991. When we work together for our parks, we turn the power on for everyone.

**CP&L**  
Where Listening Generates  
Powerful Ideas.



## Hot Times in the Parks

### Visitation Flourishes Despite Heat

While some folks in the Midwest are dealing with torrential rains, heat has been the big problem along the east coast. The mercury rose to new levels across much of the state in July.

The heat did not seem to affect too many park goers. Most of the state parks reported large crowds on big days like the Fourth of July holiday. Lake James attracted over 19,000 to its boat ramps and other park facilities for Independence Day.

Independence Day. Mount Mitchell had approximately 10,000 visitors.

The high temperatures did cause some problems. A camper at Jordan Lake State Recreation Area suffered overexposure to the sun. The person suffered second degree burns on both ankles and was unable to walk.

The Safety and Health Council has some suggestions to try and beat the heat. • Follow weather reports and ad-

just your daily routine accordingly.

Limit all strenuous activity to the early morning hours. • Dress in light-colored, loosely woven cotton clothing. Wide-brimmed hats will keep you cool as well.

• Take periodic rest breaks while outside and keep an eye out for shady spots and cooler areas. • Finally, drink plenty of liquids. Replenish body fluids by drinking before, during and after physical activity.

## CALL FOR HELP

The North Carolina Senior Games State Finals are just a short time away. Organizers need volunteers to insure this is the best event yet. Help is needed to

- keep score
- set up facilities
- greet the press
- sell souvenirs
- park cars
- display artwork
- hug all the participants

**HELP DO SOMETHING FOR SOMEONE ELSE!  
VOLUNTEER FOR THE NORTH CAROLINA SENIOR GAMES FINALS**

September 30th- October 3rd  
Athens Drive High School  
Raleigh, North Carolina

If you are interested call the North Carolina Senior Games State Finals  
at: (919) 851-5456.

# BBC Films at Merchants Millpond

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GATESVILLE - The stars of Sir David Attenborough's latest work for the BBC show little care as camera crews jockey for the best shot and zoom tighter for the perfect picture. The constant stare of the camera lens and the glare of the light reflectors cause little effect as they probe the inner soul. Attenborough and his BBC team have entered a world, that to the human eye, appears suspended in time. It is the world of the sustainer of life-it is the world of plants.

Sir Attenborough's latest nature film aptly entitled "The Private Life of Plants" took him to parts of North Carolina

recently for shots of insect eating plants in the Great Dismal Swamp National Wildlife Refuge and to Merchants Millpond State Park for a look at ancient cypress and Spanish moss.

"He was mainly interested in how the plants got here and the process of how they've stayed," said Merchants Millpond Park Ranger Floyd Williams. "I thoroughly enjoyed it!"

Williams says filming at the park only lasted two days but the hours were filled with lots of work. Great care was taken to find the perfect shot. Attenborough even waded into the Mill-

pond waters waist deep to make specific points about the surrounding scenery. In the swamp, he tickled the teeth of the Venus flytrap to simulate how the plant prepares its daily meal.

To truly bring the film to life, time-lapse photography is being used to show the daily struggles of plants. The program will depict the fight plants have for a bit of sunlight and the battle waged for a drop of water.

"The Private Life of Plants" is a three million dollar project. Turner Broadcasting Company is paying for much of the show. Eighteen months of film has already been shot, but the program is not scheduled for completion until July of next year. "Plants" will air on the BBC in early 1995. The planned six episode series will be shown a bit later in the U.S.

"It's really something special that this program will highlight parts of North Carolina internationally," said Williams. "We've had coverage of the park throughout the U.S., but this program will be worldwide."

## Sound Information

JOCKEY'S RIDGE - Some kids are getting a lesson this summer on what exactly lives in the sounds of North Carolina. Along the Roanoke Sound, rangers at Jockey's Ridge State Park are conducting a "Seine the Sound" program to open up a new world of discovery and answer some of the questions shrouded in the mystery of the waters.

A talk at park headquarters before the program gets underway, reveals that the sound is not just a nursery for young fish. The region is also a rest area for migratory birds, is a good food source, and acts as a pollution controller for rivers dumping into the area.

Once the kids reach the sound, they gather by the water's edge with nets in hand. The tightly gathered mesh lets few animals slip back into the water. Most youngsters catch a sampling of croaker, crab and shrimp. The kids are taught how to identify the fish and then learn the best handling methods.

Kids also get a lesson in the environment. The program shows how plastic six-pack rings can be deadly for fish and are tough to break apart. Retired U.S. Fish and Wildlife Biologist David McDaniel, who is working as a temporary ranger at Jockey's Ridge, helps run the program.

"The children love getting wet and learning at the same time," said Mc Daniel. "It's also a good interactive lesson between the kids and their parents."

The "Seine the Sound" program is quite popular and reservations should be made in advance. Call the Jockey's Ridge park office at (919) 441-7132.

## Sea Turtles Killed At Coast

A grisly sight was discovered along North Carolina's coastline recently. A loggerhead sea turtle was found shot and hacked to death at Topsail Island; a leatherback sea turtle washed ashore with its fins cut off at Ocean Isle, and another turtle, mutilated so badly it was difficult to determine the species, was discovered at Topsail Island.

The Department of Environment, Health, and Natural Resources is collecting money for a reward for information leading to an arrest and conviction of anyone willfully killing threatened and endangered sea turtles. For more information contact Susan Perkins at (919) 733-4181.

### Mission Statement

The North Carolina state parks system exists for the enjoyment, education, health and inspiration of all our citizens and visitors. The mission of the state parks system is to conserve and protect representative examples of the natural beauty, ecological features and recreational resources of statewide significance; to provide outdoor recreational opportunities in a safe and healthy environment; and to provide environmental education opportunities that promote stewardship of the state's natural heritage.

## Division of Parks and Recreation - Monthly Attendance Report

DISTRICT/ PARK	JUNE 1993	TOTAL YTD JUN. 1993	JUNE 1992	TOTAL YTD JUNE 1992	JUN 1993	YTD (1993/1992)	% CHANGE (1993/1992)
<b>EAST DISTRICT</b>							
Cliffs of the Neuse	22.419	74,048	18,519	65,473	21%	13%	
Fort Macon	177.962	663,264	178,346	644,980	0%	3%	
Goose Creek	14,562	61,345	13,807	55,727	5%	10%	
Hammocks Beach	17,592	49,866	15,292	43,716	15%	14%	
Jockey's Ridge	106,208	323,975	106,642	300,286	0%	8%	
Merchants Millpond	9,967	46,431	10,380	37,101	-4%	25%	
Pettigrew	9,031	49,785	9,168	46,622	-1%	7%	
Waynesborough	4,845	23,513	2,927	19,481	66%	21%	
<b>SUBTOTAL</b>	<b>362.586</b>	<b>1,292,227</b>	<b>355,081</b>	<b>1,213,386</b>	<b>2%</b>	<b>6%</b>	
<b>NORTH DISTRICT</b>							
Eno River	14,344	77,660	14,268	83,596	1%	-7%	
Falls Lake	114,102	347,152	56,024	257,687	104%	35%	
Hanging Rock	54,344	161,042	44,714	154,424	22%	4%	
Kerr Lake	166,100	486,727	222,164	592,452	-25%	-18%	
Medoc Mountain	7,159	24,876	5,589	20,748	28%	20%	
Pilot Mountain	37,536	148,172	32,464	150,160	16%	-1%	
William B. Umstead	75,635	300,319	79,289	324,750	-5%	-8%	
<b>SUBTOTAL</b>	<b>469.220</b>	<b>1,545,948</b>	<b>454,512</b>	<b>1,583,817</b>	<b>3%</b>	<b>-2%</b>	
<b>SOUTH DISTRICT</b>							
Boones Cave	3,174	15,204	2,655	13,048	20%	17%	
Carolina Beach	65,372	191,340	39,424	168,184	66%	14%	
Fort Fisher	212,329	552,347	93,562	359,534	127%	54%	
Jones Lake	10,049	27,937	9,548	26,404	5%	6%	
Jordan Lake	201,462	574,452	104,991	321,706	92%	79%	
Lake Waccamaw	9,684	34,608	10,084	32,459	-4%	7%	
Morrow Mountain	39,616	152,840	36,808	141,352	8%	8%	
Raven Rock	8,591	47,751	6,212	37,463	38%	27%	
Singletary Lake	2,760	7,348	2,044	5,516	35%	33%	
Weymouth Woods	1,294	9,441	1,167	8,168	11%	16%	
<b>SUBTOTAL</b>	<b>554.331</b>	<b>1,613,268</b>	<b>306,495</b>	<b>1,113,834</b>	<b>81%</b>	<b>45%</b>	
<b>WEST DISTRICT</b>							
Crowder's Mountain	18,930	95,774	14,291	88,322	32%	8%	
Duke Power	33,609	120,853	30,609	121,084	10%	0%	
Lake James	81,510	265,529	74,873	206,223	9%	29%	
Mount Jefferson	8,328	28,104	9,170	36,922	-9%	-24%	
Mount Mitchell	43,985	84,255	33,349	64,673	32%	30%	
New River	12,056	32,862	9,368	20,760	29%	58%	
South Mountains	13,668	52,421	10,360	43,784	32%	20%	
Stone Mountain	34,660	147,452	31,064	137,208	12%	7%	
<b>SUBTOTAL</b>	<b>246,746</b>	<b>827,250</b>	<b>213,084</b>	<b>718,976</b>	<b>16%</b>	<b>15%</b>	
<b>SYSTEMWIDE</b>							
<b>TOTAL</b>	<b>1,632,883</b>	<b>5,278,693</b>	<b>1,329,172</b>	<b>4,630,013</b>	<b>23%</b>	<b>14%</b>	

# August Program Calendar

## TO BE ANNOUNCED

### SOUTH MOUNTAINS STATE PARK

Summer Wildflower Hike- Learn to identify the park's wildflowers. Bring your field guides and meet at the park office at 10:00 am.

### STONE MOUNTAIN STATE PARK

Stream Walk- Come join a park ranger on a stream walk to learn what lives in the water. Public will meet in the paved parking area below Stone Mountain. Dates and times to be announced.

## ON A REGULAR BASIS

### JOCKEY'S RIDGE STATE PARK

Especially for Kids- Mondays and Tuesdays in August except for the 24th and the 31st. Join park rangers on a one hour activity hike designed for kids ages 5-12. Become aware of the environment. Limit: 12. Pre-registration required. Starts at 9:00 am.

### JOCKEY'S RIDGE STATE PARK

Wild Weather- Tuesday nights except for the 24th. Learn about hurricanes, nor'easters, beach erosion, and how plants and animals survive the extremes. Meet in front of the museum at 7:00 pm.

### JOCKEY'S RIDGE STATE PARK

Kite Workshop- Every Monday, Wednesday and Friday at 5:30 pm. In this fun-filled activity, you'll make your own kite and then, while on the dunes, get helpful tips for flying it. Dollar donation accepted. Limit: 12. Pre-registration required.

### JOCKEY'S RIDGE STATE PARK

Sunset on the Ridge- Enjoy the splendor of the evening sky from atop the highest dune on the Atlantic Coast. Discover how the dunes were formed and hear local legends and history. Meet on the dune ridgeline nightly at 7:45 pm.

### JOCKEY'S RIDGE STATE PARK

Seine the Sound- Thursdays and Fridays at 9:00 am. Use a small seine net to discover the aquatic life that thrives in and around the Roanoke Sound. Wear shoes and clothes to get wet. Limit: 12. Pre-registration required.

### JOCKEY'S RIDGE STATE PARK

Beginner Astronomy- Mondays at 9:00 pm. Join a ranger for an evening of star gazing at Jockey's Ridge State Park. Learn about some stellar myths and facts while discovering the night sky. Bring binoculars if you have them. Meet at the end of the boardwalk overlook.

### JOCKEY'S RIDGE STATE PARK

Going, Going...Gone- Saturdays and Sundays at 6:30 pm. Come learn why all species are vital for the continuation of other species, including mankind. Learn the importance of the endangered species act, and its shortcomings. Most importantly, find out what you can do to prevent biological destruction. Meet in front of the museum.

### JONES LAKE STATE PARK

Carolina Bay Nature Hike- Saturdays and Sundays at 10 AM and 2 PM. Join park staff at the interpretive stand for a leisurely 1.25 mile exploration of the park's bay forest. Learn about the plants and animals of the Carolina bays and gain an understanding of this unique ecosystem. Hiking shoes are suggested

### WILLIAM UMSTEAD STATE PARK

Campground Programs- Each Sunday at 10:00 am, there will be a program in the family campground located at the Highway 70 entrance. Join the park staff in the amphitheater for topics from wildlife and their habitats to how you can make a difference in preserving the environment.

### WILLIAM UMSTEAD STATE PARK

Fun in the Sun- Each Sunday at 4:00 pm. Join the park staff for a program or hike at the Reedy Creek picnic area. (Highway 40 entrance) These programs are for all ages. Topics will vary to include the plants and animals of the park to how you can use all of your senses to appreciate nature.

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### CLIFFS OF THE NEUSE STATE PARK

Saponi Hills- Join a ranger and learn about the Native Americans who once inhabited the park and surrounding areas. Meet at the museum at 4:00 pm.

### CROWDERS MOUNTAIN STATE PARK

Lake Study- The mountain has a nine-acre lake which abounds with aquatic life. Join us and get wet as we explore in the water some "hidden" features of the park! Wear clothes and shoes to get wet! Meet at the lake parking area at 2:00 pm.

### HAMMOCKS BEACH STATE PARK

Sand Dollar- A favorite beach souvenir. But what is it? Program starts at the bathhouse at 1:00 pm.

### JORDAN LAKE STATE RECREATION AREA

Ferns of the Pond Trail- Join a park ranger on a nature walk along the Pond Trail at Seaforth and discover a variety of ferns found there. Meet at the trail head across the parking lot from the beach area at 10:00 am.

### MOUNT MITCHELL STATE PARK

Nature Hike- Would you like to learn more about the Flora and Fauna on Mount Mitchell? Join Ranger Bradley for a walk along the lovely Balsam Trail. He will also discuss Spruce Fir Forest decline. Hike starts at 2:30 PM.

### MOUNT MITCHELL STATE PARK

Backpacking 101- Have you ever wondered about the kind of equipment necessary for backpacking? Join Glenda near the rocks just past campsite #9. She will show you the necessary gear and talk about backpacking basics. Fun starts at 7:30 pm.

### NEW RIVER STATE PARK

White-Tail Deer- Learn the habits of this common mammal in this informative slide show. Time and location to be announced later.

### PILOT MOUNTAIN STATE PARK

Late Summer Flowers- The wildflowers don't let up, even in the dog days of summer. Come join a park ranger as we look and identify them. Meet at the summit area at 2:00 pm. Bring field guides if available.

### WEYMOUTH WOODS STATE PARK

Insect Inhabitants of the Sandhills- Insects are among the most adaptable animals on Earth and there are more of them than all other animals combined. This program will examine some of the species that occur in the region and will start at 3:00 pm in the auditorium.

### MON MOUNT MITCHELL STATE PARK

**2** Bear Facts- Join Jonathan at the campground comfort station, where he will lead a short hike to the restaurant and spin tales of bear lore. There will also be a discussion on Bear activity in the park.

### TUES FORT MACON STATE PARK

**3** Bird Walk Meet a park ranger at the fort parking lot for a hike to observe the bird life of Fort Macon. Bring a field guide and binoculars. Starts 8:30 AM

### JOCKEY'S RIDGE STATE PARK

Orienteering- Learn to use a compass to explore Jockey's Ridge and to learn about its unique and fragile ecosystems. This one and a half hour program is designed for ages 10 and up and for those who like to have fun. Meet at the park office at 9:00 am. Limit: 12. Pre-registration required.

### WED MOUNT MITCHELL STATE PARK

**4** Spiders- Join Leanne at the campground comfort station where she'll take you into the private world of these eight legged creatures. Starts at 5:00 PM.

### THUR HAMMOCKS BEACH STATE PARK

**5** Sea Turtles- Little turtles face many hazards as they race for survival. Listen to their story at the bathhouse at 1:00 pm.

### FORT MACON STATE PARK

Barrier Island Nature Hike- This hike, explaining the ecology of a barrier island, will begin at the bathhouse and travel through the dune area of the park. Be sure to wear sturdy shoes. Starts at 9:00 am.

### MORROW MOUNTAIN STATE PARK

Morning Stretch Hike -A short hike on the Quarry Trail with stops to talk about the history and geology of the park. Meet at the Quarry Trail at 8:30 am.

### MOUNT MITCHELL STATE PARK

Lets Get Into Nature- Get more out of your outdoor activities! Join Michelle in the picnic area where she will teach you how to use nature guides. Learn how to identify birds and flowers, and which binoculars best suit you. Become a naturalist. Starts at 2:30 pm..

### FRI HAMMOCKS BEACH STATE PARK

**6** Portuguese Man-O-War- Beautiful but harmful. Find out all about them at the bathhouse at 1:00 pm.

### **MOUNT MITCHELL STATE PARK**

Introduction to Wilderness Photography- Join Steve at the concession stands and learn how to improve your photography skills. Steve will give helpful hints on using lighting, lenses and adding your own personal touch. This will benefit beginners as well as serious amateurs. Starts at 2:30 pm

### **SAT MOUNT MITCHELL STATE PARK**

7 Cherokee Indian MedicineRocks- Join Dr. Lynn Morgan at the rocks above campsite #9, where he will spin a tale about Cherokee Indian Medicine Rocks. Starts at 7:00 pm.

### **CAROLINA BEACH STATE PARK**

Storytelling Around the Campfire- An old-fashioned evening of storytelling. The program will be in the Group Camping Area, which is a moderate walk on marked trails from the nature trail parking lot. Benches and marshmallows provided. Please bring a flashlight and insect repellent. The fun starts at 8:00 pm.

### **CROWDERS MOUNTAIN STATE PARK**

Canoe and Boat Safety Skills- Parents and kids (ten and older) here's a program for you! Learn basic skills and safety procedures canoeing. Call to reserve your place in the program. Wear comfortable shoes and clothes. Meet at parking area at 10:00 am.

### **FALLS LAKE STATE RECREATION AREA**

Fun With Compasses- Come learn a new skill. This compass program will teach you the basics of reading and following a compass. Join the park ranger for this hands-on class and begin to discover the world of orienteering. Program is limited to the first 36 people. Meet at the Rolling View State Recreation campground play field at 3:00 till 4:00 pm.

### **FORT FISHER STATE RECREATION AREA**

Sand Dollars- How do they move? What rattles inside a sand dollar? Short talk. Meet at the sunshelter by the concession stand at 2:00 pm.

### **GOOSE CREEK STATE PARK**

Bats- To learn the mysteries and myths concerning the only flying mammal, meet at the park office at 7:30 pm.

### **HAMMOCKS BEACH STATE PARK**

Osprey- The "Fish Hawk" is an excellent fisherman. See the mount on display. Program starts at 1:00 pm at the bathhouse.

### **HANGING ROCK STATE PARK**

Sweet Sounds- Hammer Dulcimer music by Steve Shelton for the overnight guests. Meet at the amphitheater. Music starts at 7:00 pm.

### **JONES LAKE STATE PARK**

Wildflower Hike- Accompany park staff on this one and a quarter mile hike to view and learn about the colorful summer wildflowers of the park. Reservations are required. For reservations or more information contact the park office at (919) 588-4550. Meet at the Interpretive Stand, adjacent to the lake, 11:00 am.

### **JORDAN LAKE STATE RECREATION AREA**

Animals of Jordan Lake- An interesting and informative talk. Mounted specimens are included. Meet the ranger at Poplar Point Campground beach parking lot at 10:00 am.

### **JORDAN LAKE STATE RECREATION AREA**

Ferns of the Pond Trail- Join a park ranger on a nature walk along the Pond Trail at Seaforth and discover a variety of ferns found there. Meet at the trail head across the parking lot from the beach area at 10:00 am.

### **LAKE JAMES STATE PARK**

Erosion! Slip, Sliding Away- Join the park rangers as we paddle canoes around the park shoreline to observe the devastation and overwhelming power of erosion. Pre-registration is required by noon August 6th due to limitations with canoes. To pre-register call the park office at (704) 652-5057 between 8:00am-5:00pm, Monday through Friday. Meet at the park office at 10 am.

### **MERCHANTS MILLPOND STATE PARK**

Log Cocks and Yellow Hammers- Woody- Wood Pecker and his relatives will be the subject of a slide program and a hike at Merchants Millpond. Come learn more about the different woodpeckers and their habits. Bring insect repellent for the hike. Meet at the canoe access area. The time will be announced.

### **MORROW MOUNTAIN STATE PARK**

Stories and Legends of NC - Meet at the amphitheater for ghost stories and legends of the Uwharries and North Carolina. Program begins at 8:30 pm.

#### MOUNT MITCHELL STATE PARK

Big Tom Wilson (1823-1908) A local settler and mountain guide, Big Tom led the search party that sought Elisha Mitchell in 1857. To learn more about this famous bear hunter from the past, join Jonathan at the Park Museum at 2:30 pm.

#### MOUNT MITCHELL STATE PARK

Wildlife Talk What effect does the public have on the wildlife? Should we feed the animals? Should we take in an orphaned bird or mammal? Join Michael at the campground comfort station to learn more about how our behavior effects the wildlife around us. Starts at 7:00 pm.

#### PILOT MOUNTAIN STATE PARK

Summer Beauty- Just because it is a little warm doesn't mean the beauty of wildflowers is any less amazing. Come join a park ranger and hike along the meadows and open areas of the Yadkin River as we identify some of them. Meet at 10:00am in the parking area of the Yadkin River Section (Surry County side) of Pilot Mountain State Park. Bring field guides if available.

#### PILOT MOUNTAIN STATE PARK

You Old Buzzard- Come join a park ranger as we take a look at the graceful, but often misunderstood buzzard. Meet in the summit area at 2:00 pm. Bring binoculars if available

#### CROWDERS MOUNTAIN STATE PARK

Stream Study- Explore the life in and around a stream in the park. Learn about the creatures that inhabit this aquatic environment. Wade in the cool stream waters and assist in seining for life found there. Study will last about an hour. Meet at the first picnic area parking lot at 2:00 pm.

#### HAMMOCKS BEACH STATE PARK

Beach Walk- Take a stroll along the shore with a park naturalist to identify sea shells and answer questions. Meet at the bathhouse 1:00 pm.

#### HANGING ROCK STATE PARK

The care of Injured and Orphaned Wildlife- Join the Wildlife Rehabilitation League as they fill us in on how to help the helpless. The display/demonstration will be held at the bathhouse for the general public from 2:00- 5:00 pm.

#### JORDAN LAKE STATE RECREATION AREA

Animals of Jordan Lake- An interesting and informative talk. Mounted specimens are included. Meet the ranger at Poplar Point Campground beach parking lot at 10:00 am.

#### MOUNT MITCHELL STATE PARK

Nature Hike Would you like to learn more about the Flora and Fauna on Mount Mitchell? Join Ranger Bradley for a walk along the lovely Balsam Trail. He will discuss Spruce Fir Forest decline. Starts at 2:30 pm.

#### MOUNT MITCHELL STATE PARK

Backpacking 101- Have you ever wondered about the kind of equipment necessary for backpacking? Join Glenda near the rocks just past campsite #9. She will show you the necessary gear and talk about backpacking basics. Starts at 7:30 pm.

#### NEW RIVER STATE PARK

Underwater Tour- Come find out what lives in the New River. Be prepared to get wet. Meet at the Wagoner Road Access at 2 pm.

#### PILOT MOUNTAIN STATE PARK

Hike the Bean Shoals- Take a step back in time as we walk along the remnants of the Old Bean Shoals Canal and learn about the early attempts to make the Yadkin River a highway for trade. Meet at the end of the park road on the (Surry County Side) of the Yadkin River section of Pilot Mountain State Park at 10:00 am. Wear appropriate clothing for hiking.

#### RAVEN ROCK STATE PARK

Squirrels of Raven Rock- Join a park ranger to discuss the different kinds of squirrels that call Raven Rock home. Meet at the refreshment stand by the main parking area at 3:00 pm.

#### WEYMOUTH WOODS STATE PARK

Longleaf Pines and the Old North State- The longleaf pine has played an important role in the natural history and economic development of North Carolina. This program will present some interesting facts about this special tree. The program will be in the auditorium at 3:00 pm.

- MON** **MOUNT MITCHELL STATE PARK**  
**9** Bear Facts- Join Jonathan at the campground comfort station, where he will lead a short hike to the restaurant and spin tales of bear lore. There will also be a discussion on Bear activity in the park. Starts at 2:00 pm.
- WED** **JOCKEY'S RIDGE STATE PARK**  
**11** Night Hike- Join a ranger for a night hike through the park. Come use all your senses in a nocturnal search over the dune and meet some seldom seen residents of Jockey's Ridge. Starts at 9:00 pm.
- MERCHANTS MILLPOND STATE PARK**  
Catch a Falling Star- Even though some moonlight will interfere with seeing the meteors of the Perseid Meteor Shower this night, some of these bright streaks should still be visible. We'll discuss what these "falling stars" are and what is occurring when you see them streaking through the sky. The program starts at 9:00 pm. In case of rain or cloudy skies the program will be cancelled.
- MOUNT MITCHELL STATE PARK**  
Spiders- Joine Leanne at the campground comfort station where she will take you into the private world of these eight legged creatures. Starts at 5:00 pm.
- RAVEN ROCK STATE PARK**  
Perseid Meteor Shower- Enjoy an evening with the stars. View some summer constellations and one of the best meteor showers of the year. Contact the park office at (919) 893-4888 for more details.
- THURS** **HAMMOCKS BEACH STATE PARK**  
**12** Gannet- A sea bird sometimes seen near shore. Mount on display. Come see it! Program starts at the bathhouse at 1:00 pm.
- JOCKEY'S RIDGE STATE PARK**  
Snakes in the Sand- Can you tell the age of a rattlesnake by counting its rattles? Are snakes really slimy? Come "feel" and discover the answers to these questions along with many others. Meet by the park museum at 7:00 pm.
- KERR LAKE STATE RECREATION AREA**  
Perseid Meteor Shower- Join a park ranger for an evening with the stars at 9:00 pm at the Nutbush Bridge area #3 washhouse. The star of this program will be meteors, which appear to come out of the Perseid Constellation. Visitors should be able to see about 50 "shooting stars" a minute. Rain or cloud date will be August 13th at 9:00 pm.
- MOUNT MITCHELL STATE PARK**  
Let's get into nature- Get more out of your outdoor activities! Join Michelle in the picnic area where she will teach you how to identify birds & flowers, and which binoculars best suit you. Starts at 2:30 pm.
- PETTIGREW STATE PARK**  
Perseid Meteor Shower- Come join the park staff for what promises to be a stupendous year for viewing the Perseid Meteor Shower. At its peak, at least 40-60 Perseids per hour- possibly several hundred. Enjoy the light show! Bring blankets, lawn chairs and lots of bug spray! Meet at the park office at 9:00 pm.
- FRI** **CAROLINA BEACH STATE PARK**  
**13** Just for Kids- Take part in games and activities designed to teach children about the ocean. Children must be accompanied by an adult. Meet at the picnic area at 10:00 am.
- HAMMOCKS BEACH STATE PARK**  
Crabs of North Carolina- A variety of crabs frequent our waters. One is a hermit! Meet at the bathhouse at 1:00 pm.
- FALLS LAKE STATE RECREATION AREA**  
Hooked on Falls Lake- Join a park ranger to discover more about the many species of fish in Falls Lake. Learn how to convert some of your free time into a valuable fishing experience by applying some popular fishing techniques used for crappie and catfish. Meet at the Rolling View State Recreation Area at 7:00 pm. Check at the entrance for specific location. For more information call: (919) 676-1027.
- FORT FISHER STATE RECREATION AREA**  
Blockade Runners: Lifeline to the South- Come learn about these fascinating vessels and the importance of the ships to the Fort Fisher- Wilmington area in the Civil War. Meet at the sunshelter by the concession stand at 2:00 pm.

#### **HAMMOCKS BEACH STATE PARK**

Sea Shells- Sea shells commonly found on Bear Island will be displayed and discussed. Meet at the bathhouse at 1:00 pm.

#### **HANGING ROCK STATE PARK**

Slide Program- Subject to be announced. This show for overnight guests will be held at the amphitheater at 9:00 pm.

#### **JONES LAKE STATE PARK**

Red Cockaded Woodpecker Nature Hike- Learn why this bird is endangered and what steps are needed to protect it. There will be a short hike following the talk to see the Red Cockaded Woodpecker habitat at Jones Lake State Park. Meet at the Interpretive Stand, adjacent to the lake at 10 am. For more information contact the park office at (919) 588-4550.

#### **KERR LAKE STATE RECREATION AREA**

Nuisance Animals- Come and learn about what you didn't bring camping with you—nuisance animals. Find out why these "pests" bother you and what you can do about it. Meet at the Chapel Area in Hibernia at 7:00 pm.

#### **MERCHANTS MILLPOND STATE PARK**

Mushrooms- Come join us at the canoe rental area at the Merchants Millpond to learn more about mushrooms. Mr. Gilbert Tripp, a botanist from Chowan College will be our guest speaker. Tick repellent is recommended as we will probably be walking in some woody areas. Starts at 10:30 am.

#### **MOUNT MITCHELL STATE PARK**

Introduction to Wilderness Photography- Join Steve at the concession stands and learn how to improve your photography skills. Benefits for all! Starts at 2:30 pm.

#### **MOUNT MITCHELL STATE PARK**

Cherokee Indian Medicine Rocks- Join Dr. Lynn Morgan at the rocks above campsite #9, where he will spin a tale about Cherokee Indian Medicine Rocks. Starts at 7:00 pm.

#### **PILOT MOUNTAIN STATE PARK**

Creek Creatures- Want to get wet and learn about aquatic life at the same time? Meet a park ranger at 10:00 am in the parking area of Yadkin River Section (Surry County Side) of Pilot Mountain State Park as we talk about the various creatures found in a cool stream. Nets and buckets provided. Pre-registration is required. Wear appropriate clothing and shoes.

#### **PILOT MOUNTAIN STATE PARK**

Those heavenly bodies- Come join members of the Forsyth Astronomical Society and SCI Works Planetarium, as they gaze into the night in search of "those heavenly bodies." Bring telescopes and binoculars if available. Program begins at 8:30 pm in the summit area parking lot of Pilot Mountain State Park. Program will last until midnight. Park gate will be open every ten minutes on the hour.

#### **SAT CROWDERS MOUNTAIN STATE PARK**

**14** Late-Summer's Wildflower Hike- Join park staff and trail blaze through lush bottomland and rich woodlands in search of late-summer wildflowers. Wear good hiking shoes and bring some water! Hike will last one to one and a half hours. Starts at 2:00 pm

#### **LAKE WACCAMA STATE PARK**

Mussel Beach- Explore the freshwater mollusks of Lake Waccamaw. Learn about their unique environment with Bill Adams of the Corps of Engineers. Prepare to get wet with old shoes and clothes. Starts at 9:00 am. Limit: 20. Pre-registration required. Call at (919) 646-4748

#### **MORROW MOUNTAIN STATE PARK**

Birds of Prey - Enjoy a slide program on the flying hunters at the amphitheater at 8:45 pm.

#### **SUN HAMMOCKS BEACH STATE PARK**

**15** Sea Turtles- Nesting season is just about over, however, new life is just starting as the nests begin to hatch. Hear about it at the bathhouse at 1:00 pm.

#### **HANGING ROCK STATE PARK**

Artifacts- Take a peek at Native American wares from North Carolina. The display is put on by John Reynolds through the Museum of Anthropology at Wake Forest University. It will be held 2:00 to 5:00 pm at the bathhouse.

**JORDAN LAKE STATE RECREATION AREA**  
Animal Tracks- Join a ranger at Parkers Creek Picnic Shelter 3 at 6:30 PM. Play an exciting game while learning about animals tracks.

**MOUNT JEFFERSON STATE PARK**

Cave Hike- Come see the legendary cave on Mount Jefferson. This is a difficult hike! Space is limited and reservations are required. Call (919) 982-2587 for reservations.

**PILOT MOUNTAIN STATE PARK**

The magic and medicines of plants- Come join a park ranger as we walk and talk about the variety of plants that were once used and possibly still are used for medicinal purposes. Meet at summit area 2:00 pm.

**RAVEN ROCK STATE PARK**

Flying Tigers of Raven Rock- Join a park ranger to discover some of the secrets, sounds and myths of our local owls. Meet at the refreshment stand by the main parking area at 7:00 pm.

**WEYMOUTH WOODS STATE PARK**

Soils of the Sandhills- Although sandy soils are what give the Sandhills Region its name and character, there are also clays, gravel and other geological features present that will help tell the story of how the region was formed. This story will be presented at 3:00 pm at the Visitor Center.

**TUES FORT MACON STATE PARK**

**17** Turtle Talk- Join a ranger at the bathhouse to learn about the loggerhead sea turtle which nests along the beaches of North Carolina. Starts at 10:00 am

**WED FORT MACON STATE PARK**

**18** Homes for the Sea- Meet at the bathhouse to view the shells of animals found in the waters off of our coast and learn about the creatures that live in them.

**MORROW MOUNTAIN STATE PARK**

Morning Stretch Hike -A short hike on the Quarry Trail with stops to talk about the history and geology of the park. Meet at the Quarry Trail at 8:30 am.

**THUR HAMMOCKS BEACH STATE PARK**

**19** Brown Pelican- Sea side talk and hike to spot these high-dive artists. Meet at the bathhouse at 1:00 pm.

**FRI HAMMOCKS BEACH STATE PARK**  
**20** Dune Hike- Hike out onto the 60 foot high dune sheets. Great view!! Meet at bathhouse at 1:00 pm.

**SAT CAROLINA BEACH STATE PARK**

**21** Nature's Medicine Cabinet- Learn about the plants of the area that historically have had medicinal value. The slide program starts at 8:45 pm. Meet by the bathhouse in Camping Area Number One.

**CLIFFS OF THE NEUSE STATE PARK**

Dinosaurs at the Cliff- Learn what dinosaurs once lived in the Cliffs area during the Late Cretaceous Period. Meet at the museum at 10:00 am.

**CROWDERS MOUNTAIN STATE PARK**

Night Skies of Summer- Come and view the summer skies at night. Learn about the planets and summer constellations while enjoying the air. Bring binoculars and a flashlight. Starts at 8:30 pm.

**FALLS LAKE STATE RECREATION AREA**

Animal Tracking- Participate in a short hike with a park ranger to learn about the signs left behind by some of the many types of wildlife around Falls Lake. Meet at Rolling View State Recreation Area at 3:00 pm. Check at the entrance for specific location.

**FORT FISHER STATE RECREATION AREA**

What is it?- Come test your knowledge by identifying a variety of objects found at the Fort Fisher State Recreation Area. Meet at the sunshelter by the concession stand at 2:00 pm.

**HANGING ROCK STATE PARK**

Timber Rattlesnake-Life History- This is a slide program for the overnight guests. John Seally is putting on the production at the amphitheater at 9:00 pm.

**HAMMOCKS BEACH STATE PARK**

Shore Birds- Hike along with the park naturalist to identify the common shore birds that frequent Bear Island. Meet at the bathhouse at 1:00 pm.

**KERR LAKE STATE RECREATION AREA**

Hibernia Plantation- Visit the Hibernia Plantation Site and Cemetery. Learn about life in the Kerr Lake area during the 19th century. Meet at the Hibernia Ranger Station at 7:00 pm.

**JORDAN LAKE STATE RECREATION AREA**  
Animals of Jordan Lake- An interesting and informative talk. Mounted animals included. Meet the ranger at Ebenezer beach parking lot at 3:00 pm.

**LAKE JAMES STATE PARK**

Lake Channel Overlook Hike- Enjoy a guided hike with a park ranger to one of the park's most beautiful vistas. The hike will be approximately one and a half miles round trip. Wear appropriate footwear for hiking. Meet at the park office at 2:00 pm.

**MORROW MOUNTAIN STATE PARK**

Morrow Mountain, Yesterday and Today- Learn the history of the park and the area at the amphitheater at 8:45 pm.

**PILOT MOUNTAIN STATE PARK**

Canoeing the Bean Shoals- What better way to start a hot, muggy late summer day, than to canoe the Yadkin River through the Bean Shoals to Donnaha. Trip is six and a half miles long. Participants must furnish their own canoe, gear and flotation device. Pack a lunch and wear appropriate clothing. No alcoholic beverages allowed. Meet at 10:00 am in the Shoals Canoe Access Parking Lot in the Yadkin County section of Pilot Mountain State Park.

**PILOT MOUNTAIN STATE PARK**

Dendrology- What is that you ask? Come join a park ranger as we walk and talk the "study of the trees." Meet in the Summit Area at 2:00 pm.

**WAYNESBOROUGH STATE PARK**

Turning Trash Around- Join the staff for a short talk on the need for recycling. Start time is 3:00 pm.

**SUN GOOSE CREEK STATE PARK**

Wetlands: Wasteland or Oasis of Life- Join a ranger for a half mile boardwalk hike for a glimpse into the world of wetlands. Meet at the picnic area at 2:00 pm.

**HANGING ROCK STATE PARK**

Music Time- Join the Snow Creek Old Tyme Band as they perform at Upper Picnic Shelter Number One. The fun starts at 2:00 and goes till 5:00 pm.

**HAMMOCKS BEACH STATE PARK**

Horseshoe Crab- Known as the "Living Fossil" this animal is closely related to spiders. Hear all about it at the bathhouse at 1:00 pm.

**JORDAN LAKE STATE RECREATION AREA**  
Animals of Jordan Lake- An interesting and informative talk. Meet the ranger at Ebenezer beach parking lot at 3:00 pm.

**NEW RIVER STATE PARK**

Guided Canoe Trip- Join the park staff on this guided trip and learn more about the river. Canoes, equipment and instructions are provided. A small fee is charged for shuttle service. Reservations are required so call (919) 982-2587.

**PILOT MOUNTAIN STATE PARK**

Skulls and Skins- Come join a park ranger at the summit area as he shows various examples of the animal life of Pilot Mountain. Program begins at 2:00 pm.

**WEYMOUTH WOODS STATE PARK**

Natural Survival in the Sandhills "Desert"- How do plants and animals survive the heat and dry conditions that often persist in a region some biologists have described as a "desert in the rain?" The program in the auditorium starts at 3:00 pm and is followed by a short nature walk.

**TUES FORT MACON STATE PARK**

**24** Beach Hike- Meet a ranger at the fort for a hike on the beach area to learn about the ecology and the local history of Fort Macon. Call for reservations. Starts at 9:30 am.

**THUR FORT MACON STATE PARK**

**26** Shell Walk- Meet at the park office for a shell walk on the sound side of the park. Be sure to bring a bag for collecting and wear sturdy shoes. Starts at 9:00 am.

**HAMMOCKS BEACH STATE PARK**

Blue Crab- Collection methods, rules and identification discussed. Meet at the bathhouse at 1:00 pm.

**FRI HAMMOCKS BEACH STATE PARK**

**27** Beach Hike- A walk along the beach to discuss ecology. Meet at the bathhouse at 1:00 pm.

**SAT CAROLINA BEACH STATE PARK**

**28** Reading Animal Signs- How many times have you felt disappointed after taking a walk outdoors because you didn't see any wildlife? Learn how to read the signs left by the animals and make plaster casts of animal tracts. Meet at the picnic area at 10:00 Children must be accompanied by an adult.

### CROWDERS MOUNTAIN STATE PARK

Night Hike- Enjoy the creatures of the night. Starts at 8:30 pm.

### FALLS LAKE STATE RECREATION AREA

Yours to Discover- Come and enjoy a slide show about the history of Falls Lake and what it has to offer today. You will also visit other state parks via a slide show of breathtaking shots throughout the diverse state parks system. Meet at Rolling View State Recreation Area at 8:00 pm. Check at the entrance for specific location.

### FORT FISHER STATE RECREATION AREA

Gifts from the Sea- Discover shells and other interesting objects found on the beach in this comber's walk. Meet at the sunshelter by the concession stand. Time to be announced.

### HAMMOCKS BEACH STATE PARK

Sand Dollar- How does it move? What does it eat? Meet at the bathhouse at 1:00 pm.

### HANGING ROCK STATE PARK

The importance and future of solar energy- Join Ken Bridle as he discusses solar energy. The slide program will be held in the amphitheater at 9:00 pm for overnight guests.

### JONES LAKE STATE PARK

Jones Lake History- Join a park ranger on a trip through time to discuss the history of Jones Lake State Park. Learn how Jones and Salters lakes were named and how the State Park was established. Meet at the Interpretive Stand, adjacent to the lake at 10:00 am.

### JORDAN LAKE STATE RECREATION AREA

Pickin' in the Park- Join some rangers for an informal evening of music and song. Bring the kids, an instrument (if you like) to the Amphitheater at Poplar Point Campground at 7:00 pm.

### MORROW MOUNTAIN STATE PARK

Stories and Legends of NC - Meet at the amphitheater for ghost stories and legends of the Uwharries and North Carolina. Program begins at 8:30 pm.

### MORROW MOUNTAIN STATE PARK

Children's Critter Talk - Show and tell of different types of animals found in this area. Meet at the park office at 10 am.

### MORROW MOUNTAIN STATE PARK

Kron House Tour - Tour the restored homesite and office of an 1800s physician. Meet at the Kron House at 2 pm.

### PILOT MOUNTAIN STATE PARK

Beat the Heat, Hike the Yadkin- Beat the heat of summer by walking through the cool, shallow waters of the Bean Shoals in the Yadkin River. Meet a park ranger at 10:00 am at the end of the Park Road on the (Surry County side) of the Yadkin River section of the Pilot Mountain State Park. Wear short pants and old tennis shoes for wading over the islands. Pack a lunch. The hike will last three to four hours.

### SUN CLIFFS OF THE NEUSE STATE PARK

**29** The Old Man's Beard- Learn about Spanish Moss and some of its folklore. Meet at the museum. Time to be announced.

### HAMMOCKS BEACH STATE PARK

Loggerhead Babies- Beach hike to inventory an abandoned nest. If a nest has recently completely hatched, how many eggs were in it? Meet at 1:00 pm at the bathhouse.

### MERCHANTS MILLPOND STATE PARK

Moths and Butterflies- A slide show and short hike will be presented at Merchants Millpond to show some of the beautiful and delicate creatures found in the area. Slides of adult butterflies and moths will be shown. You'll also see how they start out as caterpillars. Bring insect repellent for the hike. Program starts at 4:00 pm.

### NEW RIVER STATE PARK

Fishing for Smallmouth Bass- Learn the techniques for catching this popular game fish. Meet at the Wagoner Road Access at 2:00 pm.

### PILOT MOUNTAIN STATE PARK

History of The Pilot- Come join a park ranger at the Summit Area as we talk about the cultural and geological history of the Pilot. Program will begin at 2:00 pm.

### PILOT MOUNTAIN STATE PARK

That Rascally Raven- Come join a park ranger at the Little Pinnacle Overlook as we look for one of Pilot Mountain's most unique residents. Bring your binoculars. Program begins at 2:00 pm.

#### RAVEN ROCK STATE PARK

The Masked Bandit- Come learn about the life history of the raccoon and some of the myths that surround this interesting creature of the night. Meet at the refreshment stand by the main parking area at 3:00 pm.

#### WAYNESBOROUGH STATE PARK

The return of the White-Tail Deer- Join the staff for a slide show and a short talk about the unique features of the white-tail deer. Meet at the Visitor Center at 4:00 pm.

#### WEYMOUTH WOODS STATE PARK

Discovery Walk- A short walk to discover what Nature has to offer along some of the trails in the preserve. Walk begins at Visitor Center at 3:00 pm.

Many of the programs at Jockey's Ridge are available in sign language for the hearing impaired. Call (919) 441-7132 for details.

## WALKTOBERFEST at Umstead

The American Diabetes Association will be conducting their "Walktoberfest" on October 3, 1993 at William B. Umstead State Park. The walk is happening all over the country to raise funds in the quest to prevent and cure diabetes. Participants at Umstead will treat themselves to a "beautiful autumn walk around one of the natural trails surrounded by a sea of trees and flowers, birds and streams on well maintained sections of natural trails. Participants are sure to enjoy the autumn foliage and the unhurried rhythm of nature swelling in volume."

If you are interested in participating, please contact Superintendent Ed Littrell at (919) 787-3033 or the Walktoberfest Hotline at (919) 872-6006. Umstead superintendent Ed Littrell is serving on the steering committee for the event.

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