



SCAN *South Carolina Association of Naturalists*
Post Office Box 5651, Columbia, South Carolina 29250-5651

SCAN: April 2007(4)

Hi all,

After missing the February trip due to work, (thanks to Lynn for filling in) it was nice to once again be on a SCAN trip and on one to such a special place as Heggie's Rock near Augusta GA. 29 of us showed up on that bright and warm Saturday to explore this unique but geological and ecological feature that is similar to our own 40-Acre Rock in Lancaster County but is fortunate to be more protected through the constant stewardship of the Nature Conservancy (TNC) and by a fence and by little advertisement that this site is there. A large nearby quarry was pointed out to us in clear sight of the rock and we were told that this rare place could have met the same fate had it not been purchased through the TNC.

Judy Gordon, a retired botanist from Augusta State University and TNC volunteer, met us with a large plant list and the requisite liability release forms that we needed to sign. Judy lives nearby and knows this site well including every subtly painted trail marker on the rocks that she used as a sort of puzzle to see if we could find our way and avoid walking over sensitive vernal pools and lichen. Most of us walked with Judy as she described the ecology and history of the remains of this granite volcanic pluton that has been exposed to the daylight and the elements over millions of years (perhaps 300 million years). Judy said one geologist estimated that this deep lava feature had been covered incredibly by at least a mile of overlying rock when it formed and gradually cooled forming large aggregate crystals of feldspar that can be seen throughout the face of the rock. The name Heggie's came from a person who had an old mill in the 1800's which one of Judy's students found nearby.

There has not been much rain here lately so the plant life was not as robust and green as in some years but we did see a lot of crimson colored stonecrop, fragile pool sprite and a very rare patch of quillwort as well as yellow wooly ragwort. Tom and Mary and others as usual thoroughly documented as much of the plant life as they could and will be in the upcoming species list. Judy showed many of us after lunch the additional 30 acres (to the original 90 acres) that TNC had recently acquired. Most of that buffer land is wooded and consists of upland pine and oak with streams running through the area. Speaking of oak there are a number stunted of water oaks surviving on the rock face taking advantage of places where soil was gradually deposited in large cracks. One tree Judy said was estimated to be 85 years old but was not more than twenty feet high.

Many species of lichen predominate on the rock (very, very slow but persistent soil generators) and are being documented by TNC staff. Beyond the surprise of a large black rat snake sunning high at almost eye level on the unleafed branched of a buckthorn as we walked up the trail to the fence, animal life was not abundant today and Judy said that birding is not always that abundant in this particular habitat. We did see many Falcate Orangetip butterflies and some species of dragonflies which when the pools have more water use them as breeding areas. We did hear many Tufted Titmouses and some early Northern Parulas in the woods. Over all it was a great day to see "the rock" and we surely thank Judy for what she does in protecting this unique ecological niche and for guiding us today.

After dinner in Augusta at the Athens cafe, some of us finished the day by seeing some rare relict Trilliums that Gordon Murphy had found out from DNR at of all places, the SC east bound I-20 rest stop near the Savannah River. Also Johnny Hardaway showed five of us a place where the SCNPS had relocated some other trilliums near exit One on I-20.

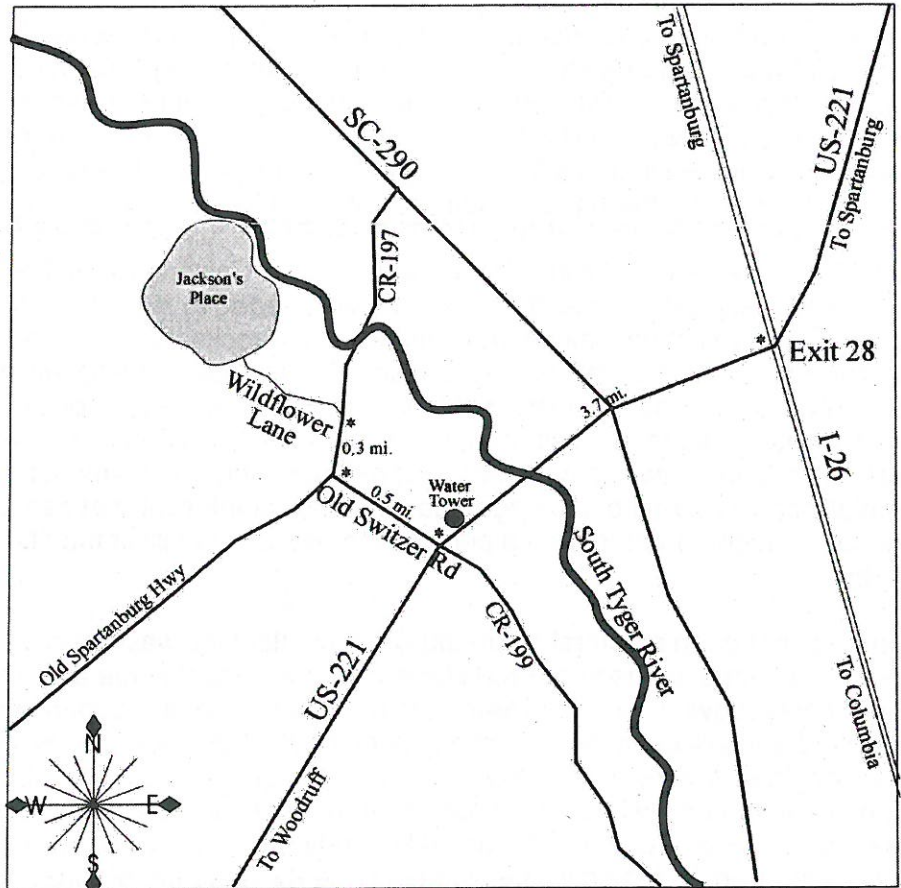
Our next trip is in Spartanburg County and led by Jan Ciegler who did find a fair number of her favorite insects (beetles) at Heggie's rock. Look forward to seeing you there for another spring SCAN trip.

Marvin Jackson's Place
Spartanburg County, SC
April 28, 2007
(Jan Ciegler)

We have been invited to investigate Marvin Jackson's Place, an extensive piece of private land bordering on the South Tyger River, where SCAN has not gone before. Included are two large ponds, an extensive marsh with nesting great blue herons and wood ducks, beech forest, and planted grasslands. Birding should be exceptional, and the wetlands should hold plentiful insects, frogs, and aquatic plants.

The property is gated, and the code will be available at the gate any time between 9:30 am and 10:30 am. Latecomers will be out of luck, as the gates will be locked at 10:30 am. If you know you will be late, call Jan Ciegler (803-796-2862) before 10 pm Friday night for the gate code. Bring the usual lunch, water, insect repellent, and sunscreen; **boots for wading are recommended** to let you reach the less accessible trails, but there are plenty of dry roads. We will not use the Jackson's rest facilities, but there are several places at the I-26/US-221 intersection.

Directions: To reach the property, take I-26 southwest of Spartanburg to Exit 28 (US-221), and turn south onto US-221. Drive just past the water tower, 3.7 miles, and turn right onto Old Switzer Road. Travel to the "T" at the end of the road (0.5 miles) and turn right onto Old Spartanburg Highway. Go 0.3 miles and turn left onto Wildflower Lane, a dirt road. Go straight ahead to the gate, and punch the code into the keypad on a post at the left; gate will open and close automatically. When leaving the property, do the same at the keypad inside the gate.



Notes, Ben Gregory

- If you would like to receive your newsletter by email, as opposed to print, please contact me. Please see my contact information in our 2007 membership list, which is enclosed with this issue.
- Our Exploration Fieldtrip to Little Mountain (LM), SC (Newberry County) on April 7, 2007 was a great success. Many people attended and there is a strong interest to revisit the site later this year. Buddy Johnson (LM Mayor) was an excellent guide. He has been working extremely hard to conserve LM from development. Although we only explored a very small part of LM, we witnessed interesting geological formations, a small stream, many plants, and some animals. After our hike, Buddy Johnson purchased lunch for all of us! So far, Tom & Mary have reported approximately 126 species.

South Carolina Association of Naturalists: Jules Fraytet, President; Lynn Smith, Vice president; Ben Gregory, Secretary; Greg Mancini, Treasurer; Tom Jones & Mary G. Douglass-Jones, Flora/Fauna Database Managers; Dee Hope, Historian. Regional Directors: Jan Ciegler (north), Mike Turner (south), Gordon Murphy (east), Eva & Sam Pratt (west), Jerry & Pat Bright (central). Newsletter published monthly (scan_editor_brg@bellsouth.net). Yearly membership is \$12. Send check to SCAN, c/o Greg Mancini, PO Box 5651, Columbia, SC 29250-5651. Fieldtrips open to newcomers over age 15. SCAN is a nonprofit 501(c)(3) in the state of South Carolina. (www.scnaturalists.org)

SCAN 2007 Fieldtrip Data: dates and abbreviated site descriptions

Apr 28, Jackson's Place, Spartanburg County, Northern Region, Jan Ciegler; see newsletter.

May 26, Pacolet Falls, Polk County, NC, Western Region, Eva/Sam Pratt: Double waterfall and beautiful array of woodland plants. Private property of Mrs. Nancy Barnett; very near Pearson's Falls.

Jun 23, Rich Woods (along Enoree River), Laurens County, Western Region, Eva/Sam Pratt; Site harbors a typical Piedmont forest, and the floodplain bordering the Enoree River; abundant plant and animal life; within Sumter National Forest.

Jul 28, Blue Wall Passage of the Palmetto Trail, Spartanburg/Greenville County, Western Region, Eva/Sam Pratt; The trail is 3.2 miles one-way, passes the Twin Ponds at the base of Hogback Mountain, and then passes through dense forest. The trail is gradual most of the way, but rises steeply near the end. Beautiful scenery abounds. One of the crown jewels of the state's 425-mile "Mountains-to-the-Sea" Palmetto Trail.

Aug 25, Mepkin Abbey, Berkeley County, Southern Region, Mike Turner; On the east bank of the Cooper River, the monastery has been instrumental in bringing attention to the plight of stewardship and protection of the remaining wild lands along the river. The grounds began as the Mepkin Plantation, home of American patriot Henry Laurens, and in the 1930's became the country estate of Time magazine publisher Henry Luce and Clare Boothe Luce.

Sep 22, Lynchburg Savanna Heritage Preserve, Lee County, Central Region, Jerry Bright; A premier example of the biologically diverse and imperiled longleaf pine savanna habitat. Additionally, has extensive pocosin habitat, as well as pond-cypress ponds. A botanist's dream, with 10 species of carnivorous plants, as well as numerous species of showy orchids and other savanna wildflowers.

Oct 27/28, Sandhills National Wildlife Refuge and Cheraw State Park, Chesterfield County, Overnight to Cheraw State Park, Northern Region, Jan Ciegler; The refuge features a great array of habitats: freshwater aquatics, longleaf pine forest, open fields, and other classic sandhills habitats. The refuge has 30 man-made lakes & ponds. 190 bird species, 42 mammal species, 41 reptile species, and 25 amphibian species find refuge here. Rare species are numerous. The park exhibits many classic sandhills habitats, some quite remote and open for exploration. Extensive longleaf pine forest, red-cockaded woodpeckers, and significant wetlands with stands of Atlantic white cedar trees. The rare plant, *Hudsonia* (golden heather), inhabits the area, as does pixie moss, and others. The park was built as an CCC project from the 1930's. Nearby are Sandhills State Forest and Cheraw Fish Hatchery.

Nov 17, Little Pee Dee State Park and Little Pee Dee State Park Bay Heritage Preserve, Dillon County, Eastern Region, Gordon Murphy; The park's namesake river, and its floodplain, are the main attraction. The preserve is a natural, undisturbed Carolina Bay, and accompanying bay forest and pocosin. This Carolina Bay ranks number 21 in the top 36 bays selected for protection.

Dec 8, Lafarge Quarry, Dorchester County, Southern Region, Mike Turner; This quarry cuts 80' through the Harleyville Formation (Late Marine Eocene) and the Cross Formation (Middle Marine Eocene). This is the deepest mine in eastern SC. Waiting to be found are excellent specimens of fossil shark teeth, bones, brachiopods, etc.

Jan 26, 2008, Annual Meeting, SC State Museum, Columbia, Jules Fraytet

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Great Pee Dee Heritage Preserve – Darlington Co., SC – February 24, 2007

The following list for Poinsett State Park was produced by SCAN from sightings supplied by SCAN members and is subject to revision as needed. An asterisk (*) indicates a new sighting for SCAN. Send any changes or corrections to Tom Jones & Mary Garland Douglass-Jones at prestoea@bellsouth.net. Please indicate exactly to which flora/fauna list you are referring. Thank you.

FLORA

- Floating Liverwort**
Ricciocarpus natans
- Southern Grapefern**
Sceptridium biternatum
- Japanese Climbing Fern**
Lygodium japonicum
- Ebony Spleenwort**
Asplenium platyneuron
- Sensitive Fern**
Onoclea sensibilis sensibilis
- Christmas Fern**
Polystichum acrostichoides
- Resurrection Fern**
Pleopeltis polypodioides michauxiana
- Loblolly Pine**
Pinus taeda
- Bald-cypress**
Taxodium distichum
- Duckweed**
Lemna valdiviana
- Giant Cane**
Arundinaria gigantea
- River Oats**
Chasmanthium latifolium
- Spanish-moss**
Tillandsia usneoides
- Field Garlic**
Allium vineale
- Narcissus**
Narcissus sp.
- Catbrier**
Smilax bona-nox
- Whiteleaf Greenbrier**
Smilax glauca
- Common Greenbrier**
Smilax rotundifolia
- Jackson-brier**
Smilax smallii
- Common Wild Yam**
Dioscorea villosa
- Cranefly Orchid**
Tipularia discolor
- Common Pawpaw**
Asimina triloba
- Hairy Northern Spicebush**
** Lindera benzoin pubescens*
- Swamp Bay**
Persea palustris
- Sycamore**
Platanus occidentalis occidentalis
- Sweet Gum**
Liquidambar styraciflua
- Winged Elm**
Ulmus alata
- American Elm**
Ulmus americana
- Southern Hackberry**
Celtis laevigata
- Red Mulberry**
Morus rubra
- Mockernut Hickory**
Carya alba
- Water Hickory**
Carya aquatica
- Bitternut Hickory**
Carya cordiformis
- Black Walnut**
Juglans nigra
- White Oak**
Quercus alba
- Laurel Oak**
Quercus laurifolia
- Overcup Oak**
Quercus lyrata
- Swamp Chestnut Oak**
Quercus michauxii
- Water Oak**
Quercus nigra
- Cherrybark Oak**
Quercus pagoda
- River Birch**
Betula nigra
- American Hornbeam**
Carpinus caroliniana
- Common Pokeweed**
Phytolacca americana
- Common Chickweed**
Stellaria media
- St. Andrew's Cross**
Hypericum hypericoides
- Violet**
Viola esculenta
- Eastern Cottonwood**
Populus deltoides deltoides
- Hairy Bittercress**
Cardamine hirsuta
- Spotted Wintergreen**
Chimaphila maculata
- Elliott's Blueberry; Mayberry**
Vaccinium elliotii
- Southern Blueberry**
Vaccinium tenellum
- Buckthorn Bumelia**
Sideroxylon lycioides
- Horsesugar; Sweetleaf**
Symplocos tinctoria
- Frosted Hawthorn**
** Crataegus pruinosa*
- Green Hawthorn; Swamp Haw**
Crataegus viridis
- Carolina Laurel Cherry**
Prunus caroliniana
- Eastern Redbud**
Cercis canadensis canadensis
- Honey Locust**
Gleditsia triacanthos
- Pale Vetch**
Vicia caroliniana
- American Mistletoe**
Phoradendron serotinum serotinum
- Hearts-a-burstin'-with-love**
Euonymus americanus
- Possum-haw**
Ilex decidua decidua
- American Holly**
Ilex opaca opaca
- Supplejack; American Rattan**
Berchemia scandens
- Peppervine**
Ampelopsis arborea
- Muscadine; Scuppernong**
Vitis rotundifolia rotundifolia
- Box Elder; Ash-leaved Maple**
Acer negundo
- Red Maple**
Acer rubrum
- Winged Sumac**
Rhus copallinum
- Eastern Poison Ivy**
Toxicodendron radicans radicans
- Chinaberry**
Melia azedarach
- Southern Carolina Crane's-bill**
Geranium carolinianum carolinianum
- Southern Chervil**
Chaerophyllum tainturieri
- Carolina Jessamine**
Gelsemium sempervirens
- Climbing Dogbane**
Trachelospermum difforme
- Horse-nettle**
Solanum carolinense carolinense
- Beautyberry; French-mulberry**
Callicarpa americana
- White Ash; American Ash**
Fraxinus americana
- Green Ash**
Fraxinus pennsylvanica
- Japanese Privet**
Ligustrum japonicum
- Chinese Privet**
Ligustrum sinense
- Woolly Mullein**
Verbascum thapsus

Great Pee Dee Heritage Preserve – Darlington Co., SC – February 24, 2007

Cross-vine

Bignonia capreolata

Trumpet-creeper

Campsis radicans

Partridge-berry

Mitchella repens

Japanese Honeysuckle

Lonicera japonica

Coral Honeysuckle

Lonicera sempervirens

Black Haw; Nannyberry

Viburnum prunifolium

Spanish-needles

Bidens bipinnata

Yarrow; Milfoil

Achillea millefolium

FAUNA

Asiatic Clam

Corbicula sp.

Carolina Mantis (egg mass)

Stagmomantis carolina

Sleepy Orange (butterfly)

Eurema nicippe

Marbled Salamander

Ambystoma opacum

Southern Dusky Salamander

Desmognathus auriculatus

Southern Cricket Frog

Acris gryllus

Carolina Anole; Green Anole

Anolis carolinensis

Wood Duck

Aix sponsa

Turkey Vulture

Cathartes aura

Black Vulture

Coragyps atratus

Red-shouldered Hawk

Buteo lineatus

Mourning Dove

Zenaida macroura

Red-bellied Woodpecker

Melanerpes carolinus

Northern Flicker

Colaptes auratus

Downy Woodpecker

Picoides pubescens

Hairy Woodpecker

Picoides villosus

Yellow-bellied Sapsucker

Sphyrapicus varius

Pileated Woodpecker

Dryocopus pileatus

Eastern Phoebe

Sayornis phoebe

American Crow; Common Crow

Corvus brachyrhynchos

Tufted Titmouse

Parus bicolor

Carolina Chickadee

Parus carolinensis

Winter Wren

Troglodytes troglodytes

Carolina Wren

Thryothorus ludovicianus

Golden-crowned Kinglet

Regulus satrapa

Ruby-crowned Kinglet

Regulus calendula

Hermit Thrush

Catharus guttatus

American Robin

Turdus migratorius

Yellow-rumped Warbler

Dendroica coronata

Pine Warbler

Dendroica pinus

Northern Cardinal

Cardinalis cardinalis

White-throated Sparrow

Zonotrichia albicollis

Swamp Sparrow

Melospiza georgiana

Virginia Opossum (DOR)

Didelphis virginiana

Raccoon (tracks)

Procyon lotor

Wild Pig (rootings)

Sus scrofa

White-tailed Deer (tracks)

Odocoileus virginianus

Earth Day, Sunday, April 22, 2007: Please Google for information about Earth Day and, if you can do so, please try to attend an Earth Day event.

International Migratory Bird Day / Swampology Day (Lynn Smith, info) Celebrate International Migratory Bird Day and Swampology Day (May 12, 2007, 10 am to 4 pm) at Francis Beidler Forest. Learn about this amazing old-growth swamp forest and one of the largest forested wetland habitat protection projects on the east coast. There will be demonstrations and activities presented by SCAN, Audubon, U.S. Fish and Wildlife, International Center for Birds of Prey, SC Aquarium, Coastal Conservation league, Earthfare, Cross Wildlife Rehabilitation Center. (\$7 adult, \$6 Audubon member, \$3.50 child) (www.beidlerforest.com, or Ann Shahid at ashahid@audubon.org)

South Carolina and North Carolina Native Plant Societies Joint-Symposium, Rock Hill, May 4 – 6, 2007, www.scnps.org. This looks extremely interesting, with many activities.

National Wildlife Refuges (Gordon Murphy, info) (released March 30, 2007, News Release, U.S. Fish & Wildlife Service) With the serene waters of Lake Marion, SC in the background, and surrounded by an extensive stand of forest, U.S. Fish and Wildlife Service Director, Dale Hall, and others, unveiled a national agreement to restore wildlife habitat and offset carbon emissions by planting native trees on national wildlife refuge lands. "This is a significant step toward forest restoration for the refuge system nationwide." Contact Tom Mackenzie: 404-679-7291 or tom_mackenzie@fws.gov.

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