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

Hello Fellow SCANers,

Phil Harpootlian put together another great outing. This time we enjoyed the White Tract of the Jones Gap

State Park. We were joined by park naturalist Tim Lee who gave us an overview and answered our questions along the way. Also joining us were members of the Western NC Botanical Society. We were a large group of 35 but we easily spread out and our size didn't seem to matter on the old logging road. In fact with a group this size there will be an expert for everything. We may even get a member or two.

An unexpected pleasure was the presence of Chris Manuse who is back in town after seeking opportunities in upstate NY. Chris credits SCAN with his knowledge of the natural world.

Deborah and Jerry Long were also a welcomed sight after missing many months with SCAN.

Attending were: Joy Charlebois, Judy Roloff, Susan Sunflower, Dana Herrman, Rex Segukca, Kat Beddingfield, Lyle & Sarah Campbell, Lynn Smith, Tom Jones, Mary Douglas, Chris Manuse, Bob & Marsha Hamlin, Deborah and Gerald Long, Jack Burke, Lauren Deavers, Wayne Grooms, Quentin

Harpootlian, Janie Marlow, Rita Zollinger, Greg Ross, Charlie and Lydia Williams. These names were taken from the sign-up sheet so I may have missed some of the spelling.

Tim is surprised to see everyone

Greg Ross captured a Timber Rattlesnake (Crotalus horridus). I borrowed the image from his Facebook page. After the photo op Greg replaced the snake to its ambush location where it remained for all to view and photograph.

We also enjoyed the Stalked puffball-in-aspic (Calostoma cinnabarina). It was poked by so many that I feared I would not get a photo but it kept coming back.

Webber, Pat & Jerry Bright, Eva & Sam Pratt, Jan Cieglar, Kate Hartley, Jim Boylston, Tim Lee, Phil

The attached list is partial. Jan awaits the list that Tom Jones and Eva Pratt are compiling. Stay tuned for the addendum.

Caroline Eastman will head-up our next adventure. Bring chairs if vou wish to hawk watch. - Jerry





Stalked puffball-in-aspic (Calostoma cinnabarina)



September 2012

Congaree Bluffs Heritage Preserve Calhoun County, Latitude: 33.749 Longitude: -80.705 September 22, 2012

We will revisit Congaree Bluffs Heritage Preserve this month. We were last there a decade ago - on October 26, 2002. A copy of our species list is included with the newsletter mailing, so you can be prepared to look for changes in the area. Meet at the Education Building at 10:30. Bring the usual stuff.

Congaree Bluffs has a lot to explore in its 201 acres – and you can sit, stroll, or scramble. Since it is a bluff area overlooking the Congaree River [and Congaree National Park], you can visit the bluff hillsides or small ravines and scramble. There are also fairly level trails for strolling. Or you can simply sit in the picnic shelter or on the bluff and wait for critters to come to you. There are a variety of habitats, from flood plain to bluff to restored longleaf pine areas.

Congaree Bluffs is probably the best hawk watch area in the South Carolina Midlands, which isn't saying much. It can't compete with Hawk Mountain in Pennsylvania or even Caesar's Head for numbers of hawks. But if the weather is good, we should observe at least a few hawks. We had a few vultures but NO hawks in 2002. There is an observation platform and several other views over the floodplain. If you want to hawk watch, bring a chair. John Grego will join us after his Big Bird Hike in Congaree National Park to help with hawk identification and record keeping. He and his daughter Caroline have kept this hawk watch going for years. [She has now moved away.]

There is an education building and picnic shelter. We have the education building [and its restrooms] reserved. We will have lunch in the picnic shelter, which has plenty of space and tables and is, in fact, sheltered.

Gamecock Alert: USC will host Missouri that day. Kickoff is currently scheduled at 3:30. So keep the possibility of game traffic in mind if your return home takes you anywhere near the stadium.

GPS Alert: GPS have been known to confuse Congaree Bluffs and Congaree National Park. Stay on the WEST side of the Congaree River, and you should be OK.

Arriving from the south on Interstate 26. Take Exit 145 [US 601]. Go through St. Matthews, noting the House of Pizza as you pass by, until you get to SC 419 in about 9 miles. Turn left and drive approximately 3.5 miles to Turkey Trot Lane.

Arriving from the north on US 601. Cross the Congaree River. Take the first right [SC 80]. Drive 1.5 miles to SC 419 and turn right. Drive 2.2 miles to Turkey Trot Lane.

Arriving from the north on Interstate 26: You can simply go to Exit 145 as above. Exit 139 [SC 6] is a more direct route to St. Matthews. Just turn onto US 601 in St. Matthews and drive north to SC 419. The DNR website has more direct [and MUCH more complicated] directions.

You have reached Turkey Trot Lane! Drive on the reasonably well-maintained sand road until you reach the education building at the end. We will meet there at 10:30. If for any reason the gate has not been unlocked for us, we will meet at the far parking lot near the gate.

We will have dinner at the House of Pizza on US 601 in St. Matthews. Retrace your steps to US 601 and turn right to St. Matthews. The House of Pizza is slightly less than 7 miles from this intersection according to Google Maps. Address is 721 Harry C Raysor Drive, St. Matthews, SC [aka US 601]. Phone is (803) 655-7827. Menu is quite good, lacking only in BBQ.

Useful links:

SC DNR Overview: https://www.dnr.sc.gov/mlands/managedland?p_id=101

Hiking Trails from South Carolina State Trails Program: http://www.sctrails.net/trails/ALLTRAILS/Hiking/Lowcountry/CongareeBluffsHP.html

Ashmore Heritage Preserve Pickens Co., SC June 23, 2012

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FLORA

Woodland Witchgrass Dichanthelium commutatum Velvet Witch Grass Dichanthelium scoparium Alternate-leaf Seedbox Ludwigia alternifolia Polypremum Polypremum procumbens Bedstraw Galium pilosum Cudweed Gamochaeta sp. Grass-leaved Goldenaster Pityopsis graminifolia latifolia

FAUNA

Scorpion Centruroides sp. Hemlock Woolly Adelgid Adelges tsugae Kudzu Bug Megacopta cribraria Large Rove Beetle Staphylinus maculosus Shining Fungus Beetle Cyparium concolor Tumblebug; Dung Beetle Canthon chalcites Dung Beetle Onthophagus hecate hecate Japanese Beetle Popillia japonica Sap Beetle Pallodes pallidus **Pleasing Fungus Beetle** Tritoma biguttata affinis **Tumbling Flower Beetle** Falsomordellistena hebraica **Tumbling Flower Beetle**

Falsomordellistena pubescens

Northern Water Snake Nerodia sipedon Wild Turkey (nest)(egg) Meleagris gallopavo

Eva Russel Chandler Heritage Preserve Pickens Co., SC June 23, 2012

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FLORA

Spikemoss Selaginella spp. Royal Fern Osmunda regalis spectabilis Hairy Lip-fern Cheilanthes lanosa Southern Lady Fern Athyrium asplenioides **Resurrection Fern** Pleopeltis polypodioides michauxiana Shortleaf Pine Pinus echinata Virginia Pine Pinus virginiana Eastern Hemlock Tsuga canadensis Eastern Red Cedar Juniperus virginiana virginiana **Giant Cane** Arundinaria gigantea Oat-grass Danthonia sp. Witch Grass Dichanthelium sp. Solomon's-seal Polygonatum sp. Dwarf Iris Iris verna **Common Greenbrier** Smilax rotundifolia Greenbrier Smilax sp.

Tulip-tree Liriodendron tulipifera Pyramid Magnolia Magnolia pyramidata Sweet-shrub Calvcanthus floridus Sassafras Sassafras albidum Yellowroot Xanthorhiza simplicissima Witch-hazel Hamamelis virginiana Sweet Gum Liquidambar styraciflua Hickory Carya sp. White Oak Quercus alba **Rock Chestnut Oak** Quercus montana Gray Oak Ouercus rubra ambigua Prickly-pear **Opuntia humifusa** Appalachian Rock-pink Phemeranthus teretifolius Sandwort Arenaria sp. Mountain Sweet Pitcherplant Sarracenia jonesii Pinesap Hypopitys monotropa Mountain Laurel Kalmia latifolia Doghobble Leucothoe sp. Sourwood Oxydendrum arboreum White Rosebay Rhododendron maximum Sparkleberry Vaccinium arboreum Deerberry Vaccinium stamineum Lanceleaf Loosestrife Lysimachia lanceolata Snowy Hydrangea Hydrangea radiata Virginia-willow Itea virginica Black Cherry Prunus serotina serotina Blackberry Rubus sp. Black Locust Robinia pseudoacacia Flowering Dogwood

Whorled Wild Yam

Dioscorea quaternata

Cornus florida Blackgum Nyssa sylvatica Buffalo-nut *Pyrularia* pubera Hearts-a-burstin'-withlove *Euonymus americanus* American Holly Ilex opaca opaca **Outcrop** Rushfoil Croton willdenowii Virginia-creeper Parthenocissus quinquefolia Muscadine Vitis rotundifolia rotundifolia Red Maple Acer rubrum Winged Sumac Rhus copallinum Smooth Sumac Rhus glabra Spinypod Matelea sp. Wild Sweet Potato Ipomoea pandurata Phlox Phlox sp. Mountain-mint Pycnanthemum sp. Bluet Houstonia sp. Partridge-berry Mitchella repens **Common Ragweed** Ambrosia artemisiifolia **Plantain Pussytoes** Antennaria plantaginifolia Indian-plantain Arnoglossum sp. Coreopsis Coreopsis major Elephant's-foot Elephantopus sp. Blue Ridge Ragwort Packera millefolium

FAUNA

Rattlesnake-root

Prenanthes sp.

Grass-leaved Golden-

Pityopsis aspera adenolepis

aster

Water-strider Gerris sp. Hemlock Woolly Adelgid Adelges tsugae Six-spotted Tiger Beetle Cicindela sexguttata Sap Beetle Pallodes pallidus

Jones Gap State Park, White Tract Greenville Co., SC August 25, 2012

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FLORA

Common Chinquapin Castanea pumila Longbristle Smartweed Persicaria longiseta Wild Strawberry Fragaria virginiana **Five-fingers** Potentilla canadensis Buffalo-nut Pyrularia pubera Silverleaf Grape Vitis aestivalis bicolor White Milkweed Asclepias variegata **Broad-leaved Plantain** Plantago rugelii Poorjoe Diodia teres Buttonweed Diodia virginiana Woodland Coreopsis Coreopsis major major Cutleaf Coneflower Rudbeckia laciniata Rough-leaved Goldenrod Solidago rugosa Earthstar Geastrum sp.

FAUNA

Small Land Snail * Strobilops labyrinthicus Chigger Trombicula alfreddugesi Autumn Yellow-winged Grasshopper Arphia xanthoptera Giant Hornet Vespa crabro germana

Ammophila procera Eastern Carpenter Bee Xylocopa virginica Hover Fly Family Syrphidae Widow Skimmer Dragonfly Libellula luctuosa **One-spotted** Tiger Beetle Cicindela unipunctata Patent-leather Beetle Odontotaenius disjunctus Dung Beetle Onthophagus hecate **Triceratops Beetle** * Phileurus truncatus Soldier Beetle Chauliognathus pennsylvanicus Eastern Tiger Swallowtail Papilio glaucus Cloudless Sulphur Phoebis sennae eubule Little Yellow (butterfly) Eurema lisa **Red-spotted Purple** (butterfly) Limenitis arthemis astyanax Viceroy; Mimic Limenitis archippus Carolina Satyr (butterfly) Hermeuptychia sosybius Little Wood-satyr (butterfly) Megisto cymela Silver-spotted Skipper Epargyreus clarus Horace's Duskywing Ervnnis horatius American Toad Anaxyrus americanus Spring Peeper Pseudacris crucifer Eastern Fence Lizard Sceloporus undulatus Red-tailed Hawk Buteo jamaicensis **Pileated Woodpecker** Dryocopus pileatus Blue Jay Cvanocitta cristata American Crow Corvus brachvrhvnchos Carolina Chickadee Parus carolinensis **Tufted Titmouse** Baeolophus bicolor White-breasted Nuthatch Sitta carolinensis Carolina Wren Thryothorus ludovicianus

Thread-waisted Wasp

Red-Eyed Vireo Vireo olivaceus Eastern Towhee Pipilo erythrophthalmus American Goldfinch Carduelis tristis Congaree Bluffs Heritage Preserve Calhoun Co., SC October 26, 2002

FLORA

Southern Grapefern Sceptridium biternatum Northern Maidenhair Fern Adiantum pedatum Southern Lady Fern Athyrium asplenioides Christmas Fern Polystichum acrostichoides **Resurrection Fern** Pleopeltis polypodioides michauxiana Shortleaf Pine Pinus echinata Loblolly Pine Pinus taeda **Bald-cypress** Taxodium distichum Giant Cane Arundinaria gigantea **River** Oats Chasmanthium latifolium Longleaf Spikegrass Chasmanthium sessiliflorum Spanish-moss Tillandsia usneoides Catbrier Smilax bona-nox Common Greenbrier Smilax rotundifolia Jackson-brier Smilax smallii Tulip-tree Liriodendron tulipifera Sassafras Sassafras albidum Little Brown Jug Hexastylis arifolia Coralbeads *Cocculus carolinus* Sycamore Platanus occidentalis occidentalis Sweet Gum Liquidambar styraciflua Winged Elm Ulmus alata Slippery Elm Ulmus rubra Southern Hackberry Celtis laevigata Red Mulberry Morus rubra

Wood-nettle

Laportea canadensis Water Hickory Carya aquatica **Pignut Hickory** Carya glabra Mockernut Hickory Carya tomentosa Common Wax-myrtle Morella cerifera American Beech Fagus grandifolia White Oak Ouercus alba Swamp Chestnut Oak Quercus michauxii Water Oak Quercus nigra Cherrybark Oak Quercus pagoda Shumard Oak Ouercus shumardii shumardii **River Birch** Betula nigra American Hornbeam Carpinus caroliniana **Common Pokeweed** Phytolacca americana Prickly-pear Opuntia humifusa Lamb's-quarters Chenopodium album Mexican-tea Dysphania ambrosioides Jumpseed Persicaria virginiana St. Andrew's Cross Hypericum hypericoides Arrowleaf Sida Sida rhombifolia rhombifolia **Rosemary Sunrose** Crocanthemum rosmarinifolium Pinweed Lechea mucronata Passionflower Passiflora incarnata Swamp Cottonwood Populus heterophylla Black Willow Salix nigra Mountain Laurel Kalmia latifolia Sourwood Oxydendrum arboreum Eastman's Azalea Rhododendron eastmanii Sparkleberry Vaccinium arboreum

American Persimmon Diospyros virginiana

Black Cherry Prunus serotina serotina Eastern Redbud Cercis canadensis canadensis Wild Indigo Indigofera caroliniana Eastern Sensitive-briar Mimosa microphylla Alternate-leaf Seedbox Ludwigia alternifolia **Flowering Dogwood** Cornus florida Hearts-a-burstin'-withlove Euonymus americanus Possum-haw Ilex decidua decidua American Holly Ilex opaca opaca Tung-oil Tree Vernicia fordii Supplejack Berchemia scandens Peppervine Ampelopsis arborea Raccoon-grape Ampelopsis cordata Virginia-creeper Parthenocissus quinquefolia Summer Grape Vitis aestivalis aestivalis Muscadine Vitis rotundifolia rotundifolia Box Elder Acer negundo Red Maple Acer rubrum **Red Buckeve** Aesculus pavia pavia Winged Sumac Rhus copallinum Eastern Poison Ivy Toxicodendron radicans radicans Chinaberry Melia azedarach Devil's-walking-stick Aralia spinosa Carolina Jessamine Gelsemium sempervirens Dodder Cuscuta sp. **Red Morning-glory** *Ipomoea coccinea* Brazilian Vervain Verbena brasiliensis

Beautyberry Callicarpa americana Northern Horsebalm Collinsonia canadensis Perilla Perilla frutescens Azure Sage Salvia azurea azurea White Ash Fraxinus americana Woolly Mullein Verbascum thapsus Cross-vine Bignonia capreolata Trumpet-creeper Campsis radicans Southern Harebell Campanula divaricata Wahlenbergia Wahlenbergia marginata Japanese Honeysuckle Lonicera japonica **Common Ragweed** Ambrosia artemisiifolia Mistflower Conoclinium coelestinum Elephant's-foot Elephantopus tomentosus Common Dog-fennel Eupatorium capillifolium **Coastal Dog-fennel** Eupatorium compositifolium Rattlesnake-root Prenanthes sp. Fragrant Rabbit-tobacco Pseudognaphalium obtusifolium Bearsfoot Smallanthus uvedalius Heart-leaved Aster Symphyotrichum cordifolium Frost Aster Symphyotrichum pilosum pilosum Woodland Cup Peziza sp. Cinnabar-red Chanterelle Cantharellus cinnabarinus Velvet Bluespread Pulcherrichium caeruleum Turkey-tail Trametes versicolor Coker's Amanita Amanita cokeri Pore Mushroom Boletus sp. Earthstar Scleroderma Scleroderma geaster

FAUNA

Giant Forest Snail (shell)

Mesodon normalis Great Common Zonite (snail) Mesomphix vulgatus Crab-shaped Spiny-back Gasteracantha cancriformis Writing Spider (egg) Argiope sp. Spotted Orbweaver Neoscona domiciliorum Marbled Orb-weaver Araneus marmoreus Arrowhead Spider Verrucosa arenata Carolina Wolf Spider Hogna carolinensis Lesser Pine Katydid Orchelimum minor Meadow Katydid Orchelimum sp. Short-winged Green Grasshopper Dichromorpha viridis Differential Grasshopper Melanoplus differentialis Spur-throated Grasshopper Melanoplus sp. American Bird Grasshopper Schistocerca americana Broadtip Conchead Katydid *Neoconocephalus triops* **Field Cricket** *Gryllus pennsylvanicus* Field Cricket Gryllus sp. Carolina Mantis (egg) Stagmomantis carolina Froghopper Prosapia bicincta Oak Gall Cynips mirabilis Common Eastern Velvetant Dasymutilla occidentalis occidentalis **Red Imported Fire Ant** Solenopsis invicta **Hickory Peach Gall** *Carvomvia persicoides* Wandering Glider Pantala flavescens **Tiger Beetle** Cicindela sp. Earth-boring Dung Beetle Geotrupes egeriei **Dung Beetle** Phanaeus igneus Multicolored Asian Lady Beetle Harmonia axyridis

Hickory Girdler Beetle Oncideres cingulata Broad-nosed Weevil Naupactus peregrinus Eastern Tiger Swallowtail Papilio glaucus **Cloudless Sulphur** Phoebis sennae eubule Little Yellow (butterfly) Eurema lisa Sleepy Orange (butterfly) Eurema nicippe Gulf Fritillary Agraulis vanillae Variegated Fritillary Euptoieta claudia Seminole Texas Crescent Phyciodes texana seminole Mourning Cloak Nymphalis antiopa **Common Buckeve** Junonia coenia Southern Pearly-eye (butterfly) Enodia portlandia Long-tailed Skipper Urbanus proteus Common Checkeredskipper Pyrgus communis Hawaiian Beet Webworm Moth Spoladea recurvalis White-marked Tussock Moth (larva) Orgyia leucostigma Bullfrog Lithobates catesbiana Eastern Fence Lizard Sceloporus undulatus **Timber Rattlesnake** Crotalus horridus Great Blue Heron Ardea herodias **Turkey Vulture** Cathartes aura **Black Vulture** Coragyps atratus Northern Flicker Colaptes auratus Yellow-bellied Sapsucker Sphyrapicus varius **Pileated Woodpecker** Dryocopus pileatus Eastern Phoebe Sayornis phoebe American Crow Corvus brachyrhynchos **Tufted Titmouse** Baeolophus bicolor Carolina Wren Thryothorus ludovicianus

Golden-crowned Kinglet Regulus satrapa Northern Cardinal Cardinalis cardinalis White-throated Sparrow Zonotrichia albicollis