



SCAN *South Carolina Association of Naturalists*

Post Office Box 5651, Columbia, South Carolina 29250-5651

January 2013

Hi Folks,

Gordon Murphy provided us with the leadership for our final outing of 2012, a pleasant day at the Little Pee Dee Heritage Preserve. This preserve stretches many non-contiguous miles along the Little Pee Dee. We focused on the land on the northeast bank of its intersection with SC 917.



Our leader - Gordon Murphy

In attendance were Gordon Murphy, Tom Jones, Mary Douglas, Wayne Grooms, Kathy Boyle, Jan Ciegler, Keith Bradley, Lauren Serra, Sara Lee Simmons, John Simmons, Don Simmons, Pat and Jerry Bright.

You will note that as Gordon's birding expertise has improved so has the bird count on the FF list. The only wildflower I saw in bloom was the Orange Milkwort. It looked as if it were wondering if it would be ok to open in December.



Polygala lutea (Orange Milkwort)



Marsh Lake

We made our way to Marsh Lake, a beautiful oxbow cut off many years ago from the river. I need to go back there with my kayak.

Below are a few more photos from the outing.

Jerry Bright



Controlled Burn



Remains of the day



A curious ring of stones

Annual meeting

The 2013 annual meeting will be January 26 in the Vista Room at the South Carolina State Museum. The meeting will begin at 10:00 A.M. so arrive early (9:30) to set up a display or just to chat. I have spoken with the concession people and they intend to arrive early to sell us coffee and snacks.

The main entrance is not open before 10 so plan to go in the side door on the west side of the building (nearest the river). The DOR garage can be freely used on weekends. The road on the east side of the museum is presently closed. Following the road around the west side of the museum easily accesses the garage.

Professor Timothy Mousseau will be our annual meeting keynote speaker. Professor Mousseau received his doctoral degree in 1988 from McGill University and completed a NSERC (Canada) postdoctoral fellowship in population biology at the University of California, Davis. He joined the faculty at the University of South Carolina in 1991 and is currently the Associate Vice President for Research and Graduate Education, and a Professor in the Department of Biological Sciences in the College of Arts & Sciences.

Professor Mousseau's past experience includes having served as Dean of the Graduate School (2010-11), Associate Dean in the College of Arts & Sciences (2006-10), as a program officer at the National Science Foundation (1997-98), on the editorial board for several journals, and on NSF, USGS, and a variety of international grant foundation advisory panels. He has published over 120 scholarly articles and has edited two books (*Maternal Effects as Adaptations*, 1998; *Adaptive Genetic Variation in the Wild*, 2000; both published by Oxford University Press). He is currently co-editor of the annual review series, *The Year in Evolutionary Biology*, published by the New York Academy of Sciences. He was elected a fellow of the American Association for the Advancement of Science (AAAS) in 2008, a Fellow National of the Explorers Club in 2009, and a member of the Cosmos Club (DC) in 2011.

His books and papers have been cited over 4600 times, and he has been funded since 1988 by NSF, USDA, DOD, CNRS, SCDNR, NFWF, NATO, NSERC (Canada), CNRS (France), the National Geographic Society, the Sea Grant Consortium, the Samuel Freeman Charitable Trust, and private foundations. He and his students have worked on a wide diversity of organisms, from bacteria to beetles to birds, and his primary areas of research interest include the genetic basis of adaptive variation, and the evolution of maternal effects. Since 1999, Professor Mousseau and his collaborators (esp. Dr. Anders Pape Møller, University of Paris-Sud) have explored the ecological and evolutionary consequences of the radioactive contaminants affecting populations of birds, insects and people inhabiting the Chernobyl region of Ukraine. Their research suggests that many species of plants and animals suffer from increased mutational loads as a result of exposure to radionuclides stemming from the Chernobyl disaster. In some species (e.g. the barn swallow, *Hirundo rustica*), this mutational load has had dramatic consequences for development, reproduction and survival, and the effects observed at individual and population levels are having large impacts on the biological communities of this region. Dr. Mousseau's current research is aimed at elucidating the causes of variation among different species in their apparent sensitivity to radionuclide exposure. This research program has recently been expanded to include impacts to the flora and fauna of the Fukushima region of Japan.

After lunch Josh Arrants will keep us awake with a lively talk about how he became a naturalist and his research with birds. We had the pleasure to meet Josh when we were enrolled in a Master Naturalist class. We visited Fort Jackson where Josh is a contract naturalist. Research on the American Kestrel includes housing and banding. We watched these researchers climb tall ladders and retrieve the birds for banding. They demonstrated how to hold a bird like a bowling ball to avoid injury to the bird and self. Best of all was the experience releasing the birds.

Find out what good is being done with this government funded research. Why, of all the birds in the world, are American Kestrels being studied? Got a good question? Ask Josh - even if it is off topic.

Janie Marlow will round up the day's programs with a discussion and demonstration of her "Name That Plant" Internet site. In 2009 Janie received the SC Wildlife Federation's "Harry Hampton Woods and Waters Conservation Memorial Journalism Award" with these comments:

"Janie Marlow spearheads the publicity and public relations efforts for the South Carolina Native Plant Society. Her many contributions are hugely valuable to conservation efforts in South Carolina, but they pale in comparison to her *magnum opus*, a plant identification and study website called Name That Plant: Native and naturalized plants of the Carolinas and Georgia. The site facilitates access to plant ID photos in different growing seasons. It includes taxonomic information on a large and growing number of regional native and naturalized plants as well as invasive plants. In creating this website, Janie has made a huge amount of important information easily accessible and useful to thousands of people."

Go to the site before the meeting and come to the meeting with your questions. www.namethatplant.net

Business meeting

The following have agreed to have their names placed in nomination for the SCAN year 2013

President – Jerry Bright

Vice President – Greg Ross

Treasurer – Greg Mancini

Secretary – Cathy Chandler

Central Regional Director – Caroline Eastman

Northern Regional Director – Phil Harpootlian

Southern Regional Directors – Kathy Boyle & Wayne Grooms

Western Regional Directors – Marsha & Bob Hamlin

Eastern Regional Directors – Kim McManus & Paul Kalbach

Historian – Gordon Murphy

Data base manager – Jan Ciegler

At the Annual Meeting in January, additional nominations will be accepted from the floor, providing that the nominees have given their consent. Elections of officers will be at the Annual Meeting.

...Nominating Committee: Jan Ciegler, Eva Pratt, Jim Knight

The following is an invitation from Jan Ciegler. Jan invites everyone to her lovely home for further conversation and socializing following the annual meeting. Pat and I have been at Jan's after every annual meeting since we joined. It is a tradition of relaxed, warm, friendly conversation among old and new friends. To us the annual meeting followed by the social at Jan's home is like the desert following a fine meal. Please join us.

Come One, Come All!

Everyone is invited – members, spouses, guests, drop-ins. After the Annual Meeting, drive west on route 378 about 5 miles to Jan Ciegler's house for a potluck supper and socializing. If you've never been there before, this is your chance (and if you have been there, do come back!). Please bring some food to share (a modest quantity – no leftovers desired). Eating utensils, sodas, beer, and wine will be provided. We know you've been in a meeting all day, so we don't expect hot casseroles; picking up fast food on the way is just fine. There are plenty of places: Publix is just across the street from the museum, and along 378 are Rush's, McDonalds, Burger King, Subway, Pizza Inn, Bojangles, Lizards Thicket, Happy China, Groucho's Deli, and likely others I've neglected to mention. Maps to Jan's house will be provided at the meeting.

**Little Pee Dee River
Heritage Preserve
Horry Co., SC
December 08, 2012**

This list was produced by SCAN from sightings produced by SCAN members and is subject to revision as needed. An asterisk (*) indicates a new sighting for SCAN. Send any changes or corrections to Jan Ciegler at jciegler@sc.rr.com. Please indicate exactly to which flora/fauna list you are referring. Thank you.

FLORA

Peat Moss
Sphagnum sp.
Spikemoss
Selaginella sp.
Cinnamon Fern
Osmunda cinnamomea
Bracken
Pteridium aquilinum
Resurrection Fern
Pleopeltis polypodioides michauxiana
Longleaf Pine
Pinus palustris
Pond Pine
Pinus serotina
Loblolly Pine
Pinus taeda
Bald-cypress
Taxodium distichum
Yellow-eyed Grass
Xyris sp.
Sedge
Carex sp.
Sandhill Beaksedge
Rhynchospora megalocarpa
Three-awn Grass
Aristida sp.
Common Little Bluestem
Schizachyrium scoparium scoparium
Spanish-moss
Tillandsia usneoides
Bamboo-vine
Smilax laurifolia
Red-berried Greenbrier
Smilax walteri
Green-fly Orchid
Epidendrum magnoliae
Sweetbay

Magnolia virginiana

Red Bay
Persea borbonia
Sweet Gum
Liquidambar styraciflua
Water-elm
Planera aquatica
Common Wax-myrtle
Morella cerifera
White Oak
Quercus alba
Turkey Oak
Quercus laevis
Laurel Oak
Quercus laurifolia
Water Oak
Quercus nigra
Prickly-pear
Opuntia humifusa
Wire-plant
Stipulicida setacea setacea
Jointweed
Polygonella americana
Loblolly Bay
Gordonia lasianthus
Ti-ti
Cyrilla racemiflora
Coastal Sweet Pepperbush
Clethra alnifolia
Northern Sheepkill
Kalmia angustifolia
Shining Fetterbush
Lyonia lucida
Staggerbush
Lyonia mariana
Creeping Blueberry
Vaccinium crassifolium
Common Pyxie-moss
Pyxidantha barbulate
Horsesugar
Symplocos tinctoria
Water Tupelo
Nyssa aquatica
American Mistletoe
Phoradendron serotinum serotinum
Little Gallberry
Ilex glabra
American Holly
Ilex opaca opaca
Orange Milkwort
Polygala lutea
Red Maple
Acer rubrum
Carolina Jessamine
Gelsemium sempervirens

Cross-vine
Bignonia capreolata
Grass-leaved
Golden-aster
Pityopsis aspera adenolepis

FAUNA

Blue-black Spider Wasp
Anoplius sp.
Small Carrion Beetle
* *Catops simplex*
Patent-leather Beetle
Odontotaenius disjunctus
Red Admiral
Vanessa atalanta
Black Vulture
Coragyps atratus
Wild Turkey
Meleagris gallopavo
Red-bellied Woodpecker
Melanerpes carolinus
Northern Flicker
Colaptes auratus
Yellow-bellied Sapsucker
Sphyrapicus varius
Pileated Woodpecker
Dryocopus pileatus
Eastern Phoebe
Sayornis phoebe
American Crow
Corvus brachyrhynchos
Carolina Chickadee
Parus carolinensis
White-breasted Nuthatch
Sitta carolinensis
Brown-headed Nuthatch
Sitta pusilla
Carolina Wren
Thryothorus ludovicianus
Eastern Bluebird
Sialia sialis
Hermit Thrush
Catharus guttatus
Yellow-rumped Warbler
Dendroica coronata
Eastern Towhee
Pipilo erythrophthalmus
Virginia Opossum (bones)
Didelphis virginiana
Rabbit (tracks)
Sylvilagus sp.
White-tailed Deer (remains, tracks)
Odocoileus virginianus

**Sesquicentennial
State
Park -- Addenda
Richland Co., SC
November 17, 2012**

FLORA

Sand Post Oak
Quercus margaretta
Willow Oak
Quercus phellos
Red Chokeberry
Aronia arbutifolia
Parrot-feather
Myriophyllum aquaticum
Crape-myrtle
* *Lagerstroemia indica*
Swamp Tupelo
Nyssa biflora
Little Gallberry
Ilex glabra
Boxwood
* *Buxus sempervirens*
Chinaberry
Melia azedarach
Three-nerve
Joe-pye-weed
Eutrochium dubium
Robustus Conk
* *Phellinus robustus*