

Native Plants

connect COMMUNITIES



October 7-9, 2016

The South Carolina Native Plant Society's
19th Annual Native Plant Symposium
Clemson, South Carolina

co-sponsored by

The South Carolina Native Plant Society,
The South Carolina Botanical Garden,
& The Garden Club of South Carolina

www.scnps.org/2016-symposium/

Native Plants Connect Communities

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*Our 2016 Symposium will be held at
Clemson University on October 7-9. This
year we are celebrating our 20th Anniversary,
and the theme for the symposium is
Native Plants Connect Communities.*

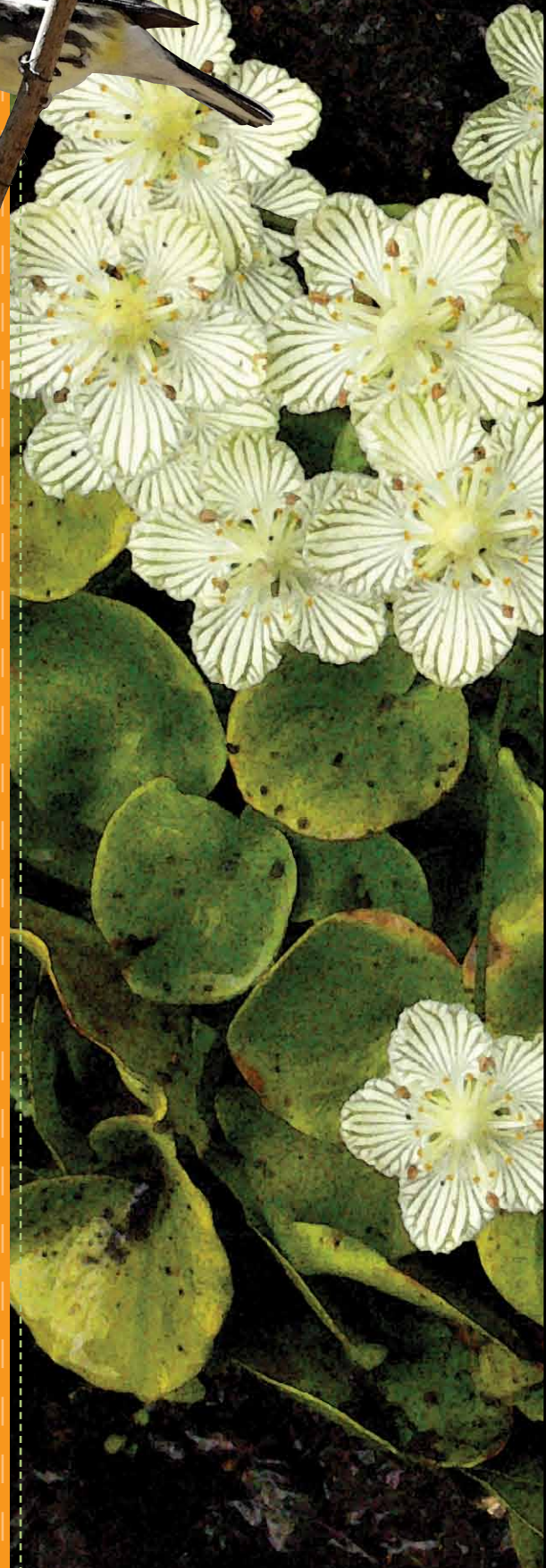
In keeping with this theme, we are very pleased to have the South Carolina Botanical Garden and the Garden Club of South Carolina co-sponsor this event, connecting three of our state's premier botanical and conservation organizations.

We have an exciting lineup of speakers, workshops, field trips and fun fellowship events planned. Our keynote speakers will be Drs. Patrick McMillan and Drew Lanham. Patrick is Director of the SC Botanical Garden, Bob Campbell Geology Museum & Clemson Experimental Forest and host of the Emmy Award-winning nature show *Expeditions with Patrick McMillan*. Drew is an Alumni Distinguished Professor of Wildlife Ecology, Forestry and Environmental Conservation at Clemson, a distinguished ornithologist, and a widely published author and popular speaker whose focus is translating conservation science to a broad spectrum of audiences.

Symposium programs will be held at the South Carolina Botanical Garden and the Madren Conference Center, along with many workshops and field trips on the Clemson campus and at special sites in the Clemson area.



SOUTH CAROLINA
BOTANICAL GARDEN
where nature and culture meet



Agenda

FRIDAY

3:00-4:30 pm Sip and Stroll, Natural Heritage Garden. Meet at Fran Hanson Discovery Center.

4:30-9:00 pm Social mixer/Registration. Fran Hanson Discovery Center. Reception with finger food and cash bar.

SATURDAY

8:30-9:00 am Registration. Madren Center Ballroom.

9:00-9:15 am Welcome, orientation and introductions. Madren Center Ballroom.

9:15-10:15 am Presentation by Drew Lanham — *Connecting the Conservation Dots: Warblers and Wildflowers in the Jocassee Gorges*. Madren Center Ballroom.

10:30-12:00 pm Presentations, workshops and field trips.

12:10-1:10 pm Lunch. Madren Center Ballroom.

1:20-4:00 pm Presentations, workshops and field trips.

5:00-6:00 pm Social in Madren ballroom and grounds, silent auction, book sales, social hour.

6:00-6:30 pm SCNPS Happenings and Updates. Madren Center Ballroom.

6:40-8:00 pm Dinner. Madren Center Ballroom.

7:00-8:00 pm Presentation by Patrick McMillan — *A Changing World. South Carolina's Landscape 1723 to Now*.

8:00-8:10 pm Silent auction conclusion.

SUNDAY

8:00-9:00 am SCNPS Native Plant Sale. Fran Hanson parking lot.

9:00-12:30 pm Field trips in the Clemson Experimental Forest. Meet at Fran Hanson parking lot.

South Carolina
Botanical Garden

"Sip and stroll"

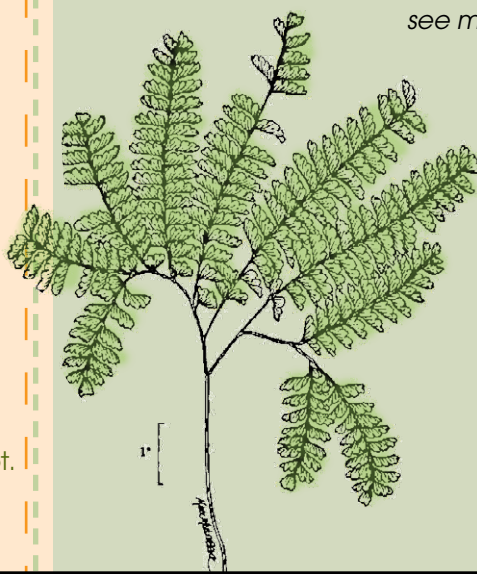
We invite you to sip, stroll, and experience the wonder of the Natural Heritage Garden Trail at the South Carolina Botanical Garden on the afternoon of Friday, October 7.

You will experience all of South Carolina's native plant communities and ecosystems as you are guided from station to station. The tour will be guided by Garden Staff, who will interpret flood improvements, flora, fauna, and the natural communities, while you enjoy a cool beverage or finger foods at each stop.

The tour will begin at the Hunt Cabin and lead into the cool ravines of the Rich Cove Forest. After passing through the Rich Cove Forest, the trail will continue into the Piedmont Oak/Hickory Forest and toward the Carolina Bay. The trail continues through the Piedmont Prairie and into the newly developed Carnivorous Plant Display and directly into the Longleaf Pine Savanna. The last stop on the leisurely tour is the Native American Shell Ring and Maritime Forest.

Patrick McMillan, Emmy award-winning naturalist and Director of the South Carolina Botanical Garden along with South Carolina Botanical Garden Staff will be available for a question-and-answer session at the end of the tour.

Friday, Oct. 7, at 3:00.
Meet at Fran Hanson
Discovery Center —
see map on page 10.



Saturday AM Keynote, 9:15 – 10:15



Drew Lanham Connecting the Conservation Dots: Warblers and Wildflowers in the Jocassee Gorges

Dr. J. Drew Lanham is a native of Edgefield and Aiken, South Carolina. In his twenty years as Clemson University faculty he's worked to understand how forest management impacts wildlife and how human beings think about nature. Drew holds an endowed chair as an Alumni Distinguished Professor and was named an Alumni Master Teacher in 2012. In his teaching, research, and outreach roles, Drew seeks to translate conservation science to make it relevant to others in ways that are evocative and understandable. As a Black American he's intrigued with how culture and ethnic prisms can bend perceptions of nature and its care. His "connecting the conservation dots" and "coloring the conservation conversation" messages have been delivered internationally.

Drew strongly believes that conservation must be a blending of head and heart; rigorous science and evocative art. He is active on a number of conservation boards including the SC Wildlife Federation, South Carolina Audubon, Aldo Leopold Foundation, BirdNote and the American Birding Association. He is an inaugural Fellow of the Audubon-Toyota Together Green initiative and is a member of the advisory board for the North American Association of Environmental Education. Drew is a Fellow of the Clemson University Institute for Parks and was most recently named a 2016 Brandwein Fellow for his work in Environmental Education.

Drew is a widely published author and award-nominated poet, writing about his experiences as a birder, hunter and wild, wandering soul. His first solo work, The Home Place — Memoirs of a Colored Man's Love Affair with Nature (Milkweed Editions, Minneapolis, MN), will be published in 2016-2017.

Saturday Morning Presentations

A. Jan Haldeman Make Your Own Healing Herbal Salve

10:30 – 12:00 (*limited to 16*)

Participants will make a healing herbal salve that can be used for scratches, cuts, burns, insect stings and bites and more. Main ingredients are easy to obtain and no special equipment is necessary. The recipe features two herbs found in most yards, and too often victims of weed killers! The salve is a combination of dried herbs, a carrier oil, beeswax, and essential oils. We will learn how each of these elements plays a crucial part in healing and preserving. Each participant will take home a jar of salve, information about its ingredients and the recipe.

Dr. Janice Haldeman taught biology at Erskine College from 1967 until her retirement in May 2002 when she was named Professor Emerita of Biology. Currently as an adjunct faculty member, she continues teaching Botany courses at Erskine and supervising development of Erskine's Botanical Garden. Jan obtained her B.S. at Rollins College; her M.A. at George Peabody College of Vanderbilt University, and her Ph.D. at Clemson University. Jan has long enjoyed membership in the South Carolina Native Plant Society.

B. Donna Goodman Morning Walk in the Pee Dee, A Photographic Odyssey

10:30 – 11:30

Donna recently published the collection of photographs *Morning Walk in the Pee Dee* which portrays six years of early morning walks with her Jack Russell terrier, Eloise, at their home "Ridgehope." It is 200 acres on the edge of the run of Alligator Back Swamp – a border of Florence and Darlington counties in the Southeastern Coastal Plain. The landscape of Ridgehope ranges from cypress swamp, beaver floodplain, hardwood forest, and the longleaf pine savanna.

Donna will present an inspiring slide show of Ridgehope's beautiful landscapes and diverse plant life. Her book will be available for purchase, and Donna will be happy to autograph your copy.

Dr. Donna H. Goodman is a native South Carolinian raised in the Shiloh Community of Sumter County. She is Professor Emerita of Art and a Distinguished Professor at Francis Marion University. Goodman started producing digital images in 1993. Since then, her work has been included in over seventy-five nationally juried exhibitions and twenty international exhibitions. The images in the "Morning Walk in the Pee Dee" series have been given to the new Florence County Museum for their permanent collection. The book of the images may be purchased with all proceeds going the Museum.

C. Cal Sawyer Short walk to Clemson's Hunnicut Creek Restoration

10:30 – 12:00 (*limited to 15*)

Rating: Easy (*a log-crossing of the creek requires sure-footedness*)

Calhoun Bottoms (the floodplain along the Seneca River) has a long history of agricultural use, from Native American hunting and food cropping, through plantation agriculture to modern agricultural research. Hunnicutt Creek has played a significant role in that history. Mill Creek drained most of the land that became the Campus and Botanical Garden, and slowly flowed through the Bottoms to join the Seneca River. When the area began to be used for farmland, it was drained with ditches. Mill Creek was "channelized", which means deepened and straightened. This increased the value of the land for crops, but decreased the stability of the stream. As the campus developed, runoff into the stream increased significantly. At some point the stream was re-named Hunnicutt Creek.

Starting in 2013, the University began to restore the lower reaches of Hunnicutt Creek to its more stable historical condition. The streambed was re-configured, and efforts made to reduce the prevalence of invasive species on-site. This project involved faculty, students and agency personnel.

The project is located a short walk from the Madren Conference Center. We will see the site after about two years of post-construction recovery.

& Workshops

Dr. Calvin B. Sawyer is Associate Professor of Agricultural and Environmental Sciences at Clemson University and the Associate Director of Clemson's Center for Watershed Excellence. He coordinates development and implementation of numerous Extension projects, including South Carolina's Certified Erosion Prevention and Sediment Control Inspector program. Sawyer routinely provides water quality and stormwater-related information to various clientele groups, including homeowners, community and government officials, public works and planning staffs, engineers, landscape architects, developers, contractors, and other professional decision-makers.

D. Nancy Basket **Basket Making** **with Plants and** **Cherokee Storytelling**

10:30 – 12:00 (limited to 25)
Come to the kudzu workshop! Make a birds nest from split vine, learn about kudzu leaf paper, five-foot lamps for zoos, eight-foot sculptures, and Nancy Basket's kudzu bale barn! Invasive plants have purpose and medicine too. Nancy's work will be on display and for sale.

Nancy Basket, born in Yakima, Washington, has made baskets for 36 years. She helped start the first basket guild in Seattle, moved to SC in 1989 where she found kudzu, and has taught basketry and paper making in public schools since then. A frequent storyteller at powwows and other events, her Cherokee heritage guides her path.

E. Lisa Lord & **Jeff Beacham** **Rocky Shoals Spider Lily** **Preservation Project**

10:30 – 11:30
William Bartram called it *Pancratium fluitans*, we call it *Hymenocallis coronaria*, but either way the Rocky Shoals Spider Lily is a large, rare, and exquisitely beautiful wildflower that inhabits shoals and rapids in Piedmont streams. Agricultural sedimentation and hydropower

development of shoals has drastically reduced the occurrence of this spectacular native plant.

This year Naturaland Trust, in collaboration with the South Carolina Native Plant Society, has purchased a 12.8-acre site on Stevens Creek in McCormick County with a dense population of spider lilies. These lilies offer a spectacular display along approximately 150 yards of shoals and rapids. The stream flows through a largely undeveloped, forested watershed and is home to several native fish species, a diverse community of aquatic insects, and native mussel species. The site also contains interesting historic structures that give us a view into the agrarian culture of the past.

This presentation will show the beauty of these spider lilies and their unique habitat, and summarize SCNPS's and Naturaland's plans for preservation of this treasured property.

Lisa Lord has spent over a decade working in natural resource management, conservation, and land preservation with non-profits, governmental agencies, and private landowners. She has worked for Callaway Gardens, Yeamans Hall Plantation, The Nature Conservancy, the Open Land Trust, and in September 2014, founded a natural resources and conservation consulting company, Land and Leaves Resources. She remains active in several local, state, and national organizations. Lisa is a longtime member of the SC Native Plant Society, former Lowcountry Chapter President, and the current State Board Vice-President. Lisa is also a Certified Wildlife Biologist and an avid butterflyer. She has earned a B.S. in Wildlife Science and M.Ed. in Biology from Auburn University.

Dr. Jeffery Beacham is an ecologist with 35 years of experience as a research scientist, educator, environmental planner and consultant, and director of non-profit conservation organizations. Jeff is the President of the SCNPS State Board of Directors and owner and director of the Greenfields Consortium, an environmental planning, design and consulting company based in Greenville, SC. Jeff has held past positions on university faculties in South Carolina and New York, and has served as a senior scientist in several international environmental science and engineering corporations based in South Carolina and Texas. Prior to founding

Saturday Field Trips, 10:30 – 4:00

Boxed lunches and transportation provided. Meet at Madren Center parking lot. (Each trip limited to 15 participants.)

Field Trip 1

Wonders of the Blue Wall, Table Rock and Carrick Creek Rd

Bill Ranson & Scott Stegenga

Rating: Moderate

Wonders of Table Rock State Park and the "blue wall" will be shared through the lens of geology, climate, and plants. The Blue Ridge escarpment, the "Blue Wall", marks the steep transition from the Appalachian Mountains to the Piedmont. Discover how rocks and roots combine to display a variety of habitats found within oak-hickory and cove forests of the Table Rock watershed.

Dr. Bill Ranson, Geology Professor at Furman University, and Scott Stegenga, Table Rock State Park Ranger, will share expert knowledge of these ancient landforms and their natural and cultural connections.

Field Trip 2

Oil Camp Creek and Jones Gap State Park

Rudy Mancke & Tim Lee

Rating: Moderate

This is a short, ecologically diverse hike that will showcase native plant communities, Oil Camp Creek, deep valleys, and a special wilderness feeling. Jones Gap State Park comprises 11,000 acres of pristine mountain woodlands that join with Caesars Head State Park to form what is known as the Mountain Bridge Wilderness Area. The Middle Saluda River runs through the park. Jones Gap began as a toll road built by Solomon Jones in the late 1840s from Caesars Head to Cedar Mountain.

Continued on next page...



The field trip features two of the most experienced and knowledgeable naturalists in South Carolina.

Tim Lee, a native South Carolinian, has studied and taught as a naturalist and biologist for more than 25 years. He is the Interpretive Ranger/ Naturalist for SC State Park Service's Mountain Bridge Wilderness Area, the SC Park Services coordinator with the SC Master Naturalist Program, and an Educational Leadership Partner for the South Carolina Aquarium. In addition, Tim is a member of the National Association of Interpreters and the Environmental Education Association of South Carolina.

Rudy Mancke spent his childhood roaming the woods and meadows of the Piedmont asking himself questions about what he saw. Rudy's education at Wofford College and graduate study at the University of South Carolina broadened his interest in natural history, an enthusiasm that he shared with his students at Spartanburg High School and later to the public while a Curator of Natural History at the South Carolina State Museum. Rudy founded the SC Association of Naturalists, an organization that continues to thrive. Rudy's work at the museum led to the production of SC Educational Television's series NatureScene (1978-2002) that is still being aired on public television. Rudy served as a Distinguished Lecturer in Natural History at the University of South Carolina School of the Environment from 2002 to 2008.

Field Trip 3

Nine Times Preserve Frank Holleman & Wes Cooler

Rating: Moderate

Nine Times Preserve represents one of the best natural areas remaining in the Upstate. Nine Times get its name from the train that brought timber from the mountain and had to cross the creek nine times. The property was purchased by Upstate Forever in 2007, and in 2009 The Nature Conservancy purchased the tract through funding from the SC Conservation Bank.

The ecological significance of the Preserve is a result of its position at the base of the Blue Ridge escarpment and marks the transition from mountains to the Piedmont. The hike will weave through temperate hardwood forests, cove forests, granitic outcrops, and cool mountain headwater streams. Experience the ecological, historical, and botanical uniqueness of this special place. The hike is rated as moderate with montane terrain.

Our leaders Frank Holleman and Wes Cooler will share their passion, knowledge, and history of Nine Times Preserve. Wes Cooler is a lifelong native of the Eastatoe Valley, a self-taught naturalist and local historian.

Frank is a senior attorney with the Southern Environmental Law Center, and President of Naturaland Trust which protects South Carolina's Blue Ridge mountains and special places in the Piedmont. Frank was the recipient of the 2011 South Carolina Environmental Awareness Award. He has served as U.S. Deputy Secretary of Education and for a number of years was a member of Wyche, Burgess, Freeman & Parham, P.A., in Greenville. Frank led the charge to get the northern 1,700 acres at Nine Times purchased and preserved in 2013.

Field Trip 4

Roadside Botany

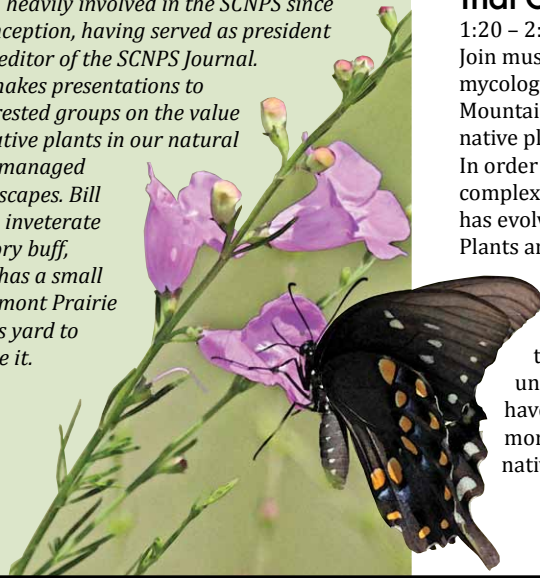
Bill Stringer

Rating: Easy

Roadsides are great botanizing sites for herbaceous and shrubby native plants. Roads are essentially long transects carved out of what was once forest. The road is flanked by shoulder areas, ditches to convey water away from the road, cut or fill slopes, and a right of way (ROW) area managed to prevent tree encroachment on the road. Commonly there is a utility ROW alongside the road. So road corridor management involves a range of frequency of mowing, and results in a range of habitats. Diverse habitats produce diverse plant species and communities. This field trip will introduce you to the components of a secondary road corridor, and the diverse plant species that can be found there. And there is real diversity!! We will travel into the Andrew Pickens District of the Sumter National Forest. After this outing, taking a "road trip" will never be the same for you. At least that was the experience of your trip leader!

Dr. Bill Stringer is a retired professor of agronomy at Clemson University. He has been heavily involved in the SCNPS since its inception, having served as president and editor of the SCNPS Journal.

He makes presentations to interested groups on the value of native plants in our natural and managed landscapes. Bill is an inveterate history buff, and has a small Piedmont Prairie in his yard to prove it.



the Greenfields Consortium, Jeff was the first executive director of the Conestee Foundation, and led the Foundation in its initial years of master planning, design and construction of Lake Conestee Nature Park in Greenville.

F. Rick Huffman Native Plants and Sustainable Landscapes

1:20 - 2:20

Rick Huffman will share the principles of sustainability and how native plants play a critical role in the biodiversity of our landscapes. With insightful design, plant-community-based landscapes can repair site issues and create ecological landscapes that provide seasonal beauty and wildlife habitat. By creating landscapes with less lawn, less water, less fertilizer, less chemicals, and more native plants, we gain sustainability in each backyard, park, or campus.

Rick Huffman is principal and founder of Earth Design, a landscape architecture firm in Pickens, SC. Rick has over 36 years of experience in nursery management, landscape design and restoration, horticulture, and ecology. He has particular expertise in utilizing native plants in creating sustainable ecosystem-based designs. Rick received the 2003 Environmental Educator of the Year Award from the Environmental Educators Association of SC. In 2007, he received the Governor's Award for Environmental Awareness, and in 2010 Rick was awarded Upstate Forever's Volunteer of the Year Award. Rick led the efforts in founding the South Carolina Native Plant Society that resulted in our formal establishment in 1996.

G. Tradd Cotter Kingdom Fungi: The Dark Matter That Connects Life

1:20 - 2:20

Join mushroom expert Tradd Cotter, mycologist and founder of Mushroom Mountain, for a fascinating lecture on native plants and their fungal partners. In order to sustain life on this planet, a complex, hidden matrix of organisms has evolved to orchestrate the balance. Plants and fungi have merged and

continue to unveil the benefits of collaborating with nature.

We have a lot to learn from these relationships, and understanding the respect they have for each other can teach us more than just soil biology. Our native plant communities are

Afternoon Presentations & Workshops

communicating through their own internet, reaching out to other organisms to help repair the ecosystems that perpetuate life on this planet.

Tradd Cotter is author of Organic Mushroom Farming and Mycoremediation (Chelsea Green, 2014) and owns and operates Mushroom Mountain with his wife Olga and daughter Heidi. Mushroom Mountain is a 42,000-square-foot laboratory and research space near Greenville that explores inter-kingdom relationships between fungi, native plants, and bacteria to form symbiotic processes that can be incorporated into landscapes, agriculture, and medicinal applications. Tradd teaches the only certified mushroom identification class for the state of SC and Georgia departments of health, has been tissue culturing, collecting native fungi in the Southeast, and cultivating both commercially and experimentally for 25 years.

H. Johnny Stowe Fire — Ties that Bind in the Southland

1:20 – 2:20

Fire was the first land management tool that humans discovered, and it is an integral part of who we are — having warmed our hearts and our hearths for tens of thousands of generations, long before we even became *Homo sapiens*. Vilified through well-financed federal programs starting in the 1920s, the cultural heritage of woods-burning in the Southland was dampened, but not extinguished. In the last twenty years, through the efforts of the Longleaf Alliance and other pyrophilliacs, the smoldering ember that is prescribed fire has been lovingly nurtured and has blazed up to restore the longleaf pine and other fire-loving landscapes of the Southland. The rest of the world is looking to South Carolina and the Southeast for guidance and inspiration to help restore good fire to the land.

Johnny Stowe is a SC Department of Natural Resources Manager and Firefighter. He is a landowner, Certified Wildlife Biologist, SC Registered Forester and Registered Yoga Teacher. He is a founding member of the SC Rxd Fire Council and the North American Coalition of Fire Councils, and is a Lifetime Member of the NC Rxd Fire Council. He has been burning nearly a half a century on his family farm in northwest GA, where he is restoring montane longleaf pine firelands, and he has specialized in restoring longleaf pinelands on Heritage Preserves for the SC DNR for twenty years. He is especially keen on the deep-time connection of people and fire, especially in southeastern North America, and is working with fellow firefighters in the Canadian Rockies and on the West Coast to re-establish the trans-continental,

multicultural, pyrophillic pathways that have shaped our land and ourselves. Johnny is a hard-core member of the Longleaf Alliance and the International Association of Wildland Fire.

I. Amanda McNulty Compositions with Native Plants

2:30 – 4:00 (limited to 25)

Bring the joy of the great outdoors inside. Amanda McNulty will use containers both formal and whimsical to hold arrangements of native plant materials gathered locally for this event. Although just picked and put in a bucket is how many think of wildflower design, you'll learn tips that make your creations more attractive and show the flowers to their best advantage.

Amanda McNulty is a Clemson Extension horticulture agent and the host of SCETV's gardening program, Making It Grow. In SC DNR's Wildlife magazine, she gets to share her love of native plants by writing a regular column, "Not from Off." She has won many awards for her articles and radio segments about gardening in the challenging conditions of the South. In a past life, she worked as an event planner with Ruthie Lacey; her job was climbing across ditches to gather unusual roadside finds.

J. Robin McGee Medicinal Plants of the Upstate: Walk and Talk Workshop

2:30 – 4:00 (limited to 20)

Join Community Herbalist Robin McGee to discover some of the medicinal plants and trees that grow in abundance in the Upstate. Learn traditional and current uses, harvesting techniques, and preparation methods of the medicine that grows around us. Bring a notebook and pen, camera, and water, wear comfy walking shoes, and dress for the weather.

Robin McGee is a Community Herbalist, herbal educator, organic gardener, sustainable wildcrafter, writer, and founder and lead instructor of Earthwise Learning Center (earthwiselearningcenter.com) in Anderson, SC. She has studied, used and created herbal medicines for over a decade, and has her own line of herbal soaps, salves, syrups, oils, and tinctures, Wild Earth Botanicals. Robin teaches at herbal medicine conferences and events throughout the eastern US, and is a popular speaker for garden clubs, native plant societies, and other nature-related groups.

K. Miller Putnam & Julie Hill Propagation Workshop

2:30 – 4:00 (limited to 30)

Miller and Julie will discuss and demonstrate propagation from seeds, as well as a variety of vegetative propagation methods. Various plant materials and planting media will be provided for hands-on learning. Participants will leave the workshop with a number of propagated plants to take home with them.

Miller Putnam is an SCNPS member and avid propagator. He works at establishing sources of native species that are not commonly available. He has a sizeable greenhouse, and this past year produced over 3000 plants for the Upstate Chapter's Spring Native Plant Sale. He is also an avid bicyclist.

Julie Hill is an Upstate Chapter member and landscape designer in the Greenville area. Along with tending her own garden, Julie regularly volunteers at the greenhouse to propagate plants for the annual plant sale. She is also growing native plants for the cut flower market at her home.

L. Kim Counts Morganello Water Wise Gardening: Rainwater Harvesting & Rain Gardens for the Home Landscape

2:30 – 4:00 (limited to 30)

Every time it rains, thousands of gallons of water flow off of our rooftops, driveways and other surfaces in the form of stormwater runoff. In this session, we will discuss



how to capture the rain, support wildlife and add beauty to the landscape with a water-wise rain garden. Rain gardens are landscaped depressions that work to protect clean water by directing stormwater runoff and allowing it to infiltrate into the soil. In this class, learn design, construction and maintenance basics of rain gardening. We will also discuss the potential for rainwater harvesting systems in the home landscape. Rainwater harvesting is an age-old practice in which water is collected from roof surfaces and stored for later use. This class will cover considerations and best practices when designing your home's rain barrel or cistern system.

Kim Counts Morganello is a Water Resources Extension Agent, working for Clemson Extension and the Carolina Clear Program. In this role, Kim co-coordinates the Ashley Cooper Stormwater Education Consortium (ACSEC). The ACSEC is a regional approach in the Charleston-area providing stormwater outreach and education targeting stormwater pollution prevention and watershed stewardship. Kim is an instructor for an array of Extension programming including Professional Rain Garden Design and Installer Certification, Master Gardener, Master Naturalist, Master Pond Manager and more. Kim specializes within Extension on landscape-level best management practices for protecting downstream water quality, with particular emphasis on rain gardens, rainwater harvesting, the use of native plants and freshwater/ salt water vegetative buffers. Kim has been involved with SCNPS on both the statewide and local boards since 2007; currently she serves on SCNPS Lowcountry Chapter board.

Saturday PM Keynote, 7:00 – 8:00

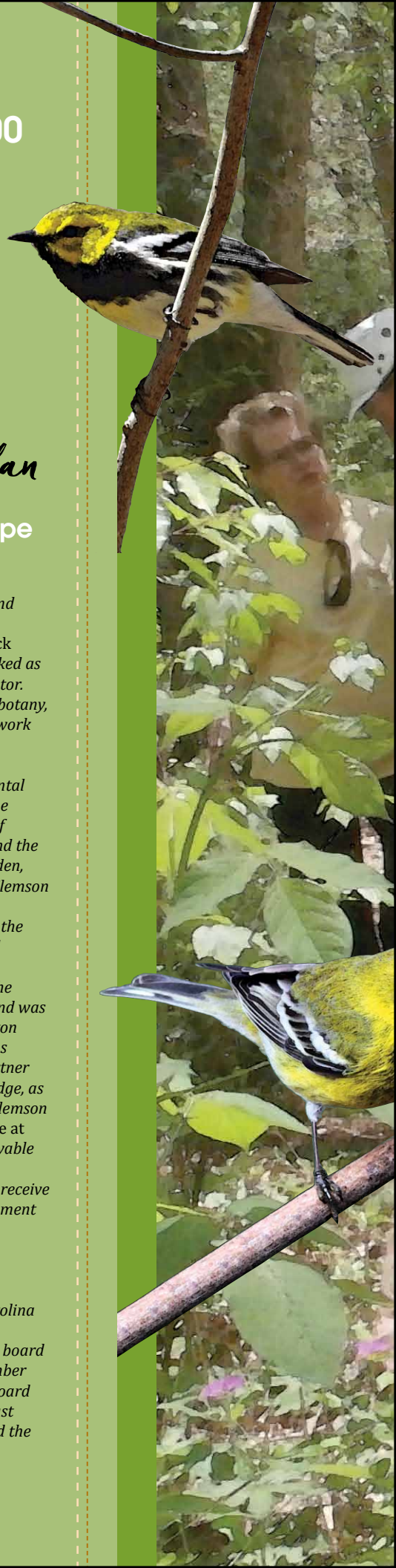


Patrick McMillan A Changing World. South Carolina's Landscape 1723 to Now

Dr. Patrick McMillan is the host, co-creator and writer of the popular, Emmy-award winning ETV nature program Expeditions with Patrick McMillan. For over 25 years, Patrick has worked as a professional naturalist, biologist and educator. His range of experience has concentrated on botany, though he is also well-respected through his work in ichthyology, herpetology and mammalogy. Patrick is a professional naturalist, the Glenn and Heather Hilliard Professor of Environmental Sustainability at Clemson University, where he is also a faculty member in the Department of Forestry and Environmental Conservation, and the Director of the South Carolina Botanical Garden, the Bob Campbell Geology Museum and the Clemson Experimental Forest.

Patrick received his B.S. in Biology from the University of North Carolina, Chapel Hill, and his Ph.D. in Biological Sciences from Clemson University. He has twice been honored with the distinction of faculty excellence at Clemson and was the inaugural recipient of the Rowland P. Alston Sr. Award for Communication. In 2005, he was awarded the distinctions of Conservation Partner of the Year by the Partnership for the Blue Ridge, as well as Outstanding Classified Employee by Clemson University. He is a contributor to the book Life at the Water's Edge, which won the 2005 Renewable Natural Resources Foundations Outstanding Achievement Award and has been selected to receive one of ten South Carolina Notable State Document Awards for 2005.

Patrick is active member of several organizations including the South Carolina Association of Naturalists, the Southern Appalachian Botanical Society, the South Carolina Native Plant Society and the South Carolina Entomological Society. He is a member of the board of trustees for Upstate Forever, a former member of The Nature Conservancy, South Carolina board of trustees, and is on the SCDNR Heritage Trust Advisory Board Natural Areas Committee and the Craigs Pond Eco-education Committee.



Sunday Field Trips, 9:00–12:30

Clemson Experimental Forest

Field Trip 5

Indian Springs Loop

Skip Still & Tim Lee

Rating: Easy

This scenic loop in the North Forest meanders through mixed hardwood stands and streamside habitats. Natural features of interest include: rich wildflower and fern assemblages; rock outcrops; American beech & mountain laurel dominated slopes. Unique plant communities are found in a large old house site and Oconee bells occur in several locations.

Skip Still retired from the South Carolina Department of Natural Resources in 2009 after working more than 30 years as a wildlife biologist based in Clemson. A long-time lover and supporter of the Clemson Experimental Forest, Skip was part of the team that developed the comprehensive Natural Resource Inventory of the Clemson Experimental Forest. He continues to advise and inspire current and future generations.

Tim Lee is Interpretive Ranger/Naturalist for the Mountain Bridge Wilderness Area in South Carolina. Tim Lee has studied and taught as a naturalist and biologist throughout the Southeast for more than 25 years. For the past 16 years he has been the Interpretive Ranger/Naturalist for South Carolina State Park Service's Mountain Bridge Wilderness Area where he conducts research and provides educational programs for children and adults.

Field Trip 6

R.C. Edwards Meadow and Forest Trail

Dan Whitten

Rating: Easy

Explore the flora of a restored meadow and along the wooded trail through the CEF. Learn about the ongoing projects of the Upstate Master Naturalists including invasive species control, native plant installations, wildlife

inventories, bluebird box monitoring and more.

Boxed lunches and transportation will be provided to those who have signed up. Meet at the Fran Hanson parking lot. Depart at 9:00 am; return between 12:00 and 1:00 pm.

inventories, bluebird box monitoring and more.

Dan Whitten is a Master Naturalist and current president of the Upstate Chapter of the South Carolina Native Plant Society. Dan retired from Michelin North America after 30 years and continues to work part-time with Spartanburg County Parks Department leading outdoor recreation outings, and SC State Parks teaching forest ecology. Dan also teaches several courses as part of the Certificate in Native Plant Studies.

Field Trip 7

Waldrop Stone Falls

Kyle Barrett & James Wilkins

Rating: Easy to Moderate (small stream crossing & short but steep path down to the base of the falls)

This short loop trail includes one of the tallest and most scenic waterfalls in the CEF. The topography in the area provides numerous micro-habitats for spray zone plant species. Ferns, liverworts and wildflowers grow among the ledges and side-pockets of the falls and rock outcrops. The trail is also an excellent place to explore stream and microhabitats that are so important to reptiles and amphibians.

Dr. Kyle Barrett is an ecologist who primarily works with vertebrates in aquatic habitats. His research focuses on the response of species to large-scale stressors such as climate change, invasive species, and land use change. Kyle is interested in linking research to conservation and management decisions, so he frequently works with a number of federal and state agencies. He is a member of the Ecological Society of America and The Society for the Study of Amphibians and Reptiles.

James Wilkins is an educator and resource coordinator at the South Carolina Botanical Garden and the Clemson Experimental Forest. A native of Greenville and a Clemson alumnus, James facilitates research, education and recreation management in the Clemson Experimental Forest, helping bring awareness, appreciate and support for all that our well-managed forest has to offer.

Field Trip 8

Wildcat Creek

Sarah Wilcer & Special Guest

Rating: Moderate

Out-and-back hike to Wildcat Creek Falls in the North Forest exploring the stream habitat and one of the most botanically diverse areas in the CEF. Showy native shrubs and abundant trilliums, wild geraniums and other wildflowers occur in the forests beside Wildcat Creek.

Sarah Wilcer is an experienced naturalist currently pursuing a graduate degree in Parks Recreation and Tourism Management at Clemson University. In addition to environmental education, her research interests focus on human dimensions of natural resource and wildlife conservation.

Field Trip 9

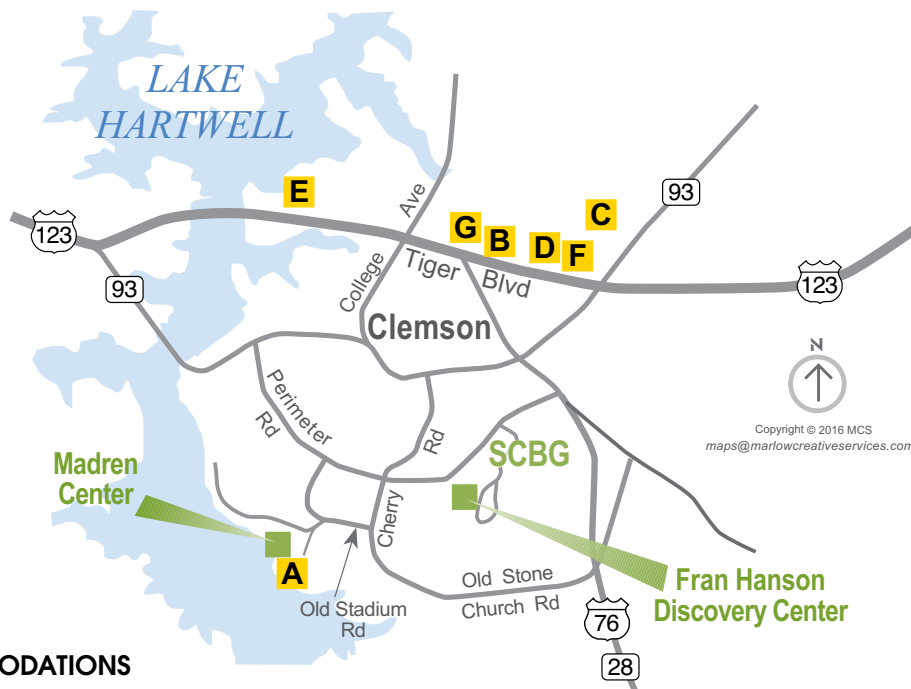
Outdoor Lab Loop Trail

Nate Shipley & Special Guest

Rating: Easy

Bring your binoculars! The Outdoor Lab loop trail meanders through scenic cove forests and lakeside woodlands in the South Forest. The mature oak-hickory forest and rich understory along with the small streams and wetlands here provide excellent wildlife habitat, especially for migratory birds.

Nate Shipley is pursuing a graduate degree in Parks Recreation and Tourism Management at Clemson University. An avid and experienced birder, Nate is a founding member and current president of the Clemson Bird and Naturalist Club. In addition to his research interests in environmental education and interpretation, Nate also teaches an introductory birding course at Clemson.



ACCOMMODATIONS

- A. *Clemson University's James F. Martin Inn, 864 654 9020
240 Madren Center Drive. Limited # @ \$115 through Sept. 6
- B. *Comfort Inn Clemson, 864 653 3600
1305 Tiger Boulevard. \$84 as long as rooms are available
- C. Courtyard Clemson, 864 654 8833
201 Canoy Lane. \$129
- D. *Days Inn Clemson, 864 653 4411
1387 Tiger Boulevard. \$75 through Sept. 14
- E. Hampton Inn Clemson, 864 653 7744
851 Tiger Boulevard. \$139
- F. *Holiday Inn Express Hotel & Suites Clemson, 864 654 9410
1381 Tiger Boulevard. \$109 through Sept. 14
- G. *Hotel Tillman, 864 643-2070
1303 Tiger Boulevard. \$95 through Sept. 14

* An asterisk indicates that this hotel is offering a special rate to Symposium attendees.

To receive this rate, please advise them that you are participating in the Native Plant Society Symposium.

Saturday Field Trips

Saturday field trips will depart from the Madren Center at 10:30 am and return by 4:00 pm. Travel will be in 16-passenger vans. Box lunches with drink will be provided to take on the trips. Bringing your own water bottle is advised.

Sunday Field Trips

Sunday trips will depart from the Fran Hanson Discovery Center parking lot at 9:00 am and will return between 12:00 and 1:00. Travel will be in 16-passenger vans. Driving time will be short, as all Sunday trips will be in the greater Clemson area. Come early and we will have native plants from the SCNPS greenhouse for purchase in the parking lot at 8:00.

General Information

The weather at the Madren Center can be much different from the higher mountain elevations of some of the Saturday field trips, so bring some layers of clothes and rain gear. All field trips generally will involve hiking on maintained trails or walkable terrain. However, these trails can be rustic, contain irregularities, and have their ups and downs. Wear appropriate foot gear for comfort and safety. Bring your walking stick if you use one; bring binoculars if you have them. Rating = rating of trail difficulty due to slope (easy, moderate, or difficult).

CREDITS

Symposium planning team — SCNPS: Jeff Beacham, Jo Anne Conner, Cathy Foster, Rick Huffman, Judy Seeley, Marian St Clair, Bill Stringer, Dan Whitten, and the SCNPS State Board of Directors. SCBG: Darlene Evans, Patrick McMillan, Angela Perkins, James Wilkins. GCSC: Victoria Bergesen, Yvonne Morris.

- Pages 1, 2 & 8 Black-throated green warbler (*Setophaga virens*), Dan Whitten.
- Page 1 Black-eyed Susan (*Rudbeckia hirta*), JK Marlow; field trip, Native Plant Society Native Plant Sale, Steve Marlow.
- Page 2 Kidneyleaf Grass of Parnassus (*Parnassia asarifolia*), JK Marlow.
- Page 3 Northern Maidenhair Fern (*Adiantum pedatum*), USDA NRCS. *Wetland flora: Field office illustrated guide to plant species*.
- Page 5 Table Rock State Park, Steve Marlow.
- Page 6 Gerardia (*Agalinis fasciculata*) and spicebush swallowtail, Will Stuart.
- Page 7 Sourwood (*Oxydendrum arboreum*), Richard and Teresa Ware.
- Page 8 Field trip, JK Marlow; pine warbler (*Setophaga pinus*), Will Stuart.
- Page 10 Clemson area map, Steve Marlow.
- Page 12 Sandhill Chaffhead (*Carphephorus bellidifolius*) and buckeye butterfly (*Junonia coenia*), Will Stuart.
- Brochure design, JK Marlow.

**Save a stamp, avoid mail delays, and
make life easier for your Symposium team by registering online!**

→ www.scnps.org/2016-symposium.html ←

or you may fill out and mail the form below.

Deadline for registration is Monday, Sept. 26.

PLEASE PRINT CAREFULLY TO AVOID ERRORS WITH YOUR REGISTRATION.

Name _____

Address _____

City, State, Zip _____

Phone: Day _____ Evening _____ Cell _____

Email _____

————— **FRIDAY** —————

_____ I plan to attend Friday's Sip and Stroll in the Natural Heritage Garden (\$8).

_____ I plan to attend Friday evening's reception.

————— **SATURDAY** —————

↙ OR ↘

I plan to attend the presentations/
workshops indicated below.

(Please indicate 1st and 2nd choices for each time slot.)

10:30-12:00 A____ B____ C____ D____ E____

1:20-2:20 F____ G____ H____

2:30-4:00 I____ J____ K____ L____

I plan to attend a field trip.

(Please indicate 1st and 2nd choices.)

#1____ #2____ #3____ #4____

————— **SUNDAY** —————

_____ I will attend one of the Sunday morning field trips. *(Please indicate 1st and 2nd choices.)*

#5____ #6____ #7____ #8____ #9____

————— **FYI** —————

Lunch will be provided on Saturday for all registrants
(box lunches for those on field trips and a sandwich buffet for others)
and on Sunday for those who register for a field trip.

Vegetarian options will be available for these and for the Saturday evening dinner, which will be a buffet.

Amount enclosed

\$_____ \$8.00 Sip and Stroll.

\$_____ \$125.00 includes presentations, workshops, field trips, reception, lunch(es) and dinner.

\$_____ SCNPS membership (optional): \$35.00 individual & joint, \$15.00 student, \$75.00 corporate.

\$_____ Donation to SCNPS (optional). SCNPS is a 501(c)3 non-profit organization.

\$_____ Donation to Rocky Shoals Spider Lily Preservation Project (optional).

\$_____ **Total enclosed.**

Please mail this form and a check payable to SCNPS to Lisa Lord, PO Box 611, Moncks Corner, SC 29461,

or → **you may register online: www.scnps.org/2016-symposium.html** ← **PREFERRED**

IMPORTANT

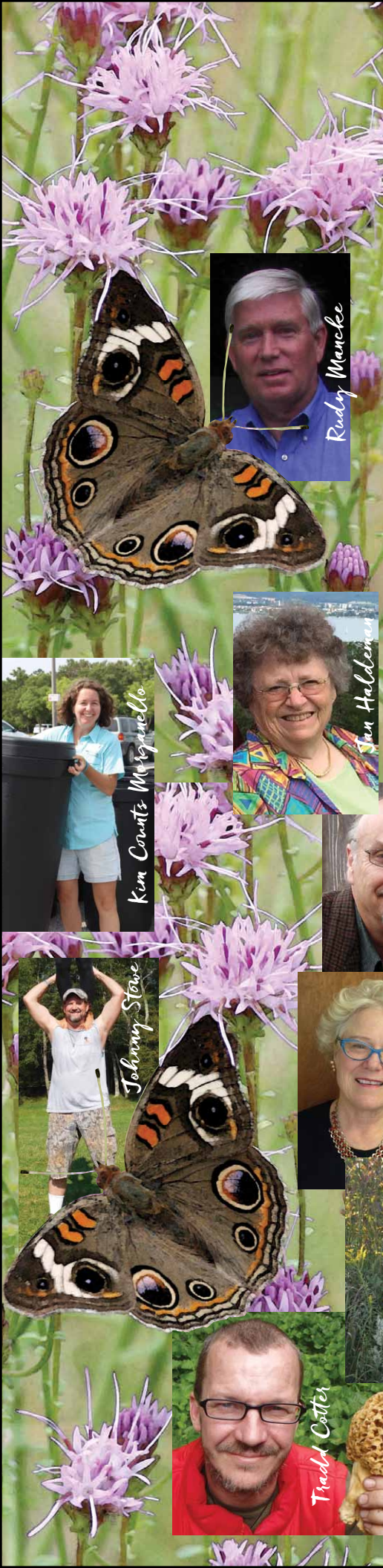
If you have questions about registration, please email scnpsreginfo@gmail.com

Cancellations made on or before Sept. 26 will receive a full refund less \$10.00.

Please email cancellations to scnpsreginfo@gmail.com

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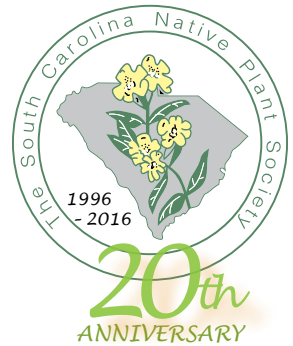
Amanda McNulty

Bill Stringer

Travis Carter

Native Plants Connect Communities

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