

NEWSLETTER

NORTH CAROLINA BOTANICAL GARDEN

THE UNIVERSITY of NORTH CAROLINA at CHAPEL HILL

Fall 2015 ♦ Promoting Education, Conservation, Research, Plant Collections, Public Service ♦ Volume 43, Number 3

Sculpture in the Garden September 20—December 11



Be sure to visit the Garden this fall as we host our 27th Sculpture in the Garden, an outdoor exhibition of works by North Carolina artists. Forty-one large-scale works feature an assortment of materials including steel, concrete, wood, marble and more. The native plant gardens at NCBG change with the season, offering new and interesting views of the sculptures throughout this invitational exhibition. Jennifer Edwards, curator at the Bechtler Museum in Charlotte, has been selected as the juror for this year's show. Awards include Best in Show, Merit, and People's Choice. Don't miss it! More information at sculptureinthegarden.com

Sculpture shown:
Princess Oxide by Dempsey Calhoun



Fall Plant Sale
October 2 & 3
...details page 7



**Botanical Garden Foundation
Annual Membership Meeting**
Friday, November 20, 11-12:30
Reeves Auditorium

See page 5 for more information.



...through October 3, 2015

The *Saving Our Pollinators* exhibition features workshops, exhibits, talks, and tours that highlight the acute plight of pollinators, including bees, birds, and butterflies.

Discover the importance of our pollinators as the Garden illustrates their challenges and offers solutions to help secure a stable future for them.

Find program listings at www.ncbg.unc.edu/pollinators.

The majority of all flowering plants rely on pollinators, a group of animals that includes over 200,000 species. Our food and natural habitats rely on these animals, and each of us has an active role to play in shaping their future.

Coming soon...

We are excited to announce a few changes to how we communicate with you, our members and friends. First of all, this is the last edition of our *Newsletter* in the current form. Next March, and continuing twice per year, you will find a new magazine in your mailbox covering a variety of conservation gardening topics. This fall, we will also publish an annual report that will include a list of all of you who have financially made our work possible. And next month, we will start sending out a monthly e-newsletter filled with all the latest news at the Garden. Go to ncbg.unc.edu to make sure you are on our e-newsletter list.

The Best of Both Worlds

by Damon Waitt, NCBG Director

In my last (and first) Director's Message, I promised to elaborate on what it means to be a university-affiliated, conservation-themed botanical garden in the 21st century. Unless you are intimately familiar with the botanic garden landscape in North America, you may not be aware of the North Carolina Botanical Garden's unique position in that community. Of the 529 public botanic gardens in the United States, only 17 percent identify themselves as being university-affiliated gardens or arboreta. By the same token, only 13 percent of public botanic gardens identify themselves as conservation-themed by virtue of their focus on native plant demonstration or through programs emphasizing plant conservation or sustainability. Since the probability of two independent events occurring simultaneously is the product of



their individual probabilities (remember that from statistics class), one would expect to find 2.2 university-affiliated, conservation-themed botanical gardens if one were to visit 100 U.S. public gardens. In other words, university-affiliated, conservation-themed gardens are about as rare as the fire-loving, Sandhills Lily (*Lilium pyrophilum*).

Let's take a closer look at the dual nature of the North Carolina Botanical Garden.

First, what does it mean to be a conservation-themed botanic garden? The concept of the conservation garden was developed at the North Carolina Botanical Garden in the early 1990s to represent the many conservation-related activities that were at the heart of the Garden's mission and programs. A sample of those activities include propagating native plants to ensure that populations are not damaged by wild collecting, banking seed for reintroduction and protection against extinction, habitat conservation to preserve naturally occurring biological diversity, and gardens that display and demonstrate native biodiversity and sustainable gardening practices. While many public gardens participate in some of these activities, few do as much to inspire understanding, appreciation, and conservation of plants in gardens and natural areas while advancing a sustainable relationship between people and nature. That is our mission. It defines who we are and what we do.

That all sounds pretty darn impressive, so why do we care about our university affiliation? For one, the North Carolina Botanical Garden owes its existence to the nation's first public university. The history of the North Carolina Botanical Garden is the botanical legacy of the University of North Carolina. The

two have been intertwined and inseparable since 1903 when the University's first professor of botany, William Chambers Coker, established a teaching collection of trees and shrubs on campus. Today, that legacy has grown to include Garden participation in teaching plant science and environmental studies, faculty and student research that takes advantage of garden-managed natural areas, and public service opportunities for students from internships to service learning. Carolina's unwavering commitment to excellence as one of the world's great research universities is reflected in the Garden's outstanding international reputation as the most comprehensive center of knowledge on plants in North Carolina and the southeastern United States. Most importantly, the university affiliation gives the North Carolina Botanical Garden a level of scientific integrity and academic credibility that is the holy grail of botanic gardens.

Sometimes you get the best of both worlds, and being a university-affiliated, conservation-themed botanic garden is the best of both worlds. ▀

A Special Tribute

In my last letter, I gave special recognition to the former directors of the North Carolina Botanical Garden, including Jonathan B. Howes who served as interim director from January 1, 2015 to April 13, 2015. Little did I know when I set my start date on April 13, that Jonathan had previously agreed to serve as interim director until June 30, the fiscal year end. In other words, I could have hung out a few more months, wrapping things up in Texas while the Garden remained in Jonathan's capable hands. Funny, that in our weekly phone calls leading up to April 13, Jonathan never mentioned that bit of information. Later, when I called him on it, I got back the legendary Howes mischievous smile. After Jonathan passed away on May 31, 2015, it hit me how blessed I was to have had six weeks of his friendship and mentorship. Whenever I faced a difficult decision in my previous position at the Lady Bird Johnson Wildflower Center, I would always ask myself WWJD? Back then, J stood for Mrs. Johnson. Now, J stands for Jonathan.



Invasive plants are *not* for the birds!

by Johnny Randall, NCBG Director of Conservation Programs

The connection between birds and fleshy fruits is a beautiful example of coevolution. Birds receive a nutritional “reward” for eating the fruit, and the plant benefits via seed dispersal. The coevolutionary relationship continues, as the seeds within a fleshy fruit have a particularly hard seed coat that protects them through their journey in a bird’s gut. This “pre-treatment” is often required for germination, and the seeds are ultimately deposited in their own nurturing plop of fertilizer. Note that dry fruits and seeds are digested by birds and are not typically bird-dispersed except by adhesion to feet and feathers. Dry seeds and fruits, like those in the sunflower/composite family (Asteraceae) and bean/pea family (Fabaceae), are produced in ample quantities that can sustain “sharing” with birds and other critters, with plenty left for dispersal by wind, water, etc.



Birds are generalist feeders when it comes to fleshy fruit selection and will eat what fits in their beak, which is another example of coevolution through natural selection. And because birds are as likely, or even more likely, to disperse an invasive plant than a native plant, the bird/plant mutualism has been spoiled.

Of the approximately 6,000 native plant species in the southeastern United States, about one-third have fleshy fruits and are bird-dispersed, whereas nearly one-half of the approximately 450 invasive plant species in this same region are bird-dispersed. Birds are therefore a primary vector for moving actual and potentially invasive plants from the cultivated landscape to natural areas. And once established in natural areas, the spread continues in leaps and bounds. This is why bird-dispersal is a primary risk assessment character for evaluating plant invasiveness potential.

Most of the seriously invasive and potentially invasive plants in our area have fleshy fruits and are bird-dispersed, such as English ivy, autumn olive, Chinese privet, Oriental bittersweet, porcelain-berry, mahonia, multiflora rose, and Japanese honeysuckle.

The scientific literature on invasive plants and bird-dispersal is moderate but growing, and almost all of the research warns of a serious and multi-layered phenomenon. First off, birds either do not discriminate between native and invasive plants or often prefer invasives over natives. One reason for this is that a large proportion of invasives are high in carbohydrates, whereas the natives are often higher in protein and lipids/fats. Birds are consequently choosing candy bars over cheeseburgers, which could affect bird nutrition, particularly during fall migration.

My own research on this subject confirms that invasive plant fruits are often preferred over natives. I showed that there is, for

example, a strong preference for the invasive camphortree (*Cinnamomum camphora*) and autumn olive (*Elaeagnus umbellata*), over the native red bay (*Persea palustris*) and downy arrow-wood (*Viburnum rafinesqueanum*), respectively. This competition for reproduction via fleshy fruit dispersal is a particularly insidious negative invasive plant effect that is often overlooked.

Researchers have also shown that many invasive plants have fruits that persist longer on the plant than do native plant fruits into the fall and winter. The invasives are therefore available when our natives are not.

One particularly worrisome study showed that male cardinals that ingest the red fruits of the very invasive and widespread Amur honeysuckle become strikingly colored. Bright color typically signals superior health, and females tend to choose these individuals as mates. Ingestion of Amur honeysuckle causes less fit or even sickly males to be pumped up on these red pigments, compromising the benefits of selective mate choice.

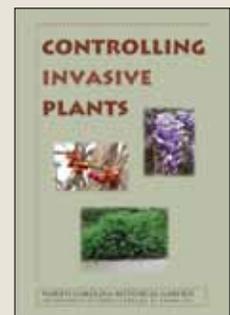
Let’s summarize the cascade of negative effects wrought by bird-dispersed invasive plants. Invasive plants with fleshy fruits are spread far and wide by birds, which is enhanced in the winter. Bird nutrition is compromised when a carbohydrate-rich invasive is chosen over a protein or lipid rich native. Native plants can be outcompeted for reproduction by invasives. Lastly, overall bird population health could decline because females cannot distinguish between sickly and vigorous males when choosing a mate.

The lesson from this gloomy scenario is to plant native plants and remove the non-native plants that produce fleshy fruits! Note, too, that it is the foliage of native plants, not non-natives, that support the caterpillars of our moths and butterflies. You can make a difference!

Would you like to know more about removing invasive plants?

Check out our Controlling Invasive Species booklet: ncbg.unc.edu/uploads/files/ControllingBooklet.pdf

For a list of plants to avoid: ncbg.unc.edu/plants-to-avoid/



Muscadine Time

by Tom Earnhardt, President, Botanical Garden Foundation

The week before Labor Day at Harkers Island is muscadine time. Since the 1970s I have picked and eaten these sweet, native grapes (*Vitis rotundifolia*) from old vines that cover the remnants of a tool shed in my backyard on the Island. For the last 20 years, my wife Dana and our children, Izaak and Rachel, have joined in the late summer muscadine gluttony.

Some years the harvest has been more bountiful and the grapes larger, but there has never been a year—even during the late 90s when Hurricanes Fran and Floyd shook the Island—when the old vines have failed to produce. Over the years one thing was always clear, for every grape we ate, at least two hit the ground.

Ten years ago our natural vineyard took on far greater significance. Drinking coffee one morning, I watched an Eastern Box Turtle cross the yard and head straight for the muscadine patch. Perhaps because I had never seen a box turtle on Harkers Island, I watched for two hours as my new friend ate his weight in Labor Day muscadines that had fallen to the ground.

Now, my family and I still look forward to eating muscadines, but we also look forward to seeing our box turtle neighbors, whose ancestors have most certainly eaten Island grapes in September since long before the first human set foot on Harkers Island. Perhaps most of all, the muscadine grape/Eastern Box Turtle connection is a reminder that EVERY native plant in North Carolina is important in ways we may never have imagined.

This year, the weekend before Labor Day, my wife and I smelled the ripe muscadines and ate our fill. Within two hours that same day we saw FOUR Eastern Box Turtles drawn to the same elixir of autumn. May the muscadines—native wildflowers, berries, nuts, or trees—in your life bring the same joy.




2015 Board of Directors

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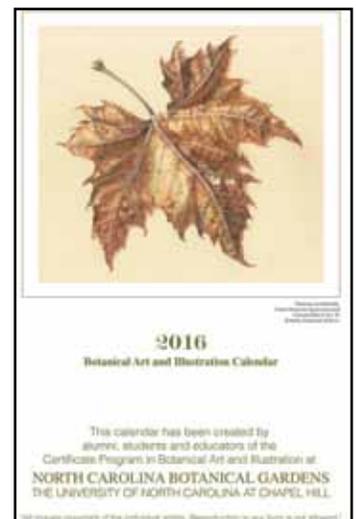
Anne Lindsey

Honorary Directors

Claire Christopher	Mary Coker Joslin
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Muriel Easterling	

2016 Botanical Illustration Calendar

Participants from our prestigious Botanical Art and Illustration Certificate program are excited to showcase artwork from past and present students in a 2016 calendar. The calendar will be sold at the Garden Gift Shop, and all proceeds will support the North Carolina Botanical Garden.



Botanical Garden Foundation Annual Membership Meeting November 20, 11 am-12:30 pm

All Botanical Garden Foundation (BGF) members are invited to participate in the BGF Annual Meeting. The meeting will include the election of new board members. Bob Eaves, Nancy Preston, Linda Rimer, Tom Scott, and Lysandra Weber are retiring from the Board. Nell Joslin and Jason York retired earlier this year. Jan Dean and Bill Ross have agreed to serve for a second term. For additional information or questions, call the North Carolina Botanical Garden at 919-962-0522.



Nominees to the Board of Directors:

Nathan Byrd brings strong training and expertise in finance, a hands-on volunteer style and an affinity for the Garden's mission to the board. Since 2013, he has been managing family and non-profit relationships at Hamilton Point, a Chapel Hill-based registered investment advisor. A 2006 graduate of Wake Forest with an MBA from UNC, Nate is also a certified financial planner and certified financial advisor. Prior to business school, he worked at Wachovia Wealth Management.

Michael L. (Mike) Dunn lives in Chatham County and he has designed and conducted hundreds of workshops on natural history on subjects ranging from wildlife to wildflowers. Mike retired in 2013 after working 32 years with the State of North Carolina as a naturalist/educator with the NC Division of Parks and Recreation and the NC Museum of Natural Sciences. He earned his undergraduate degree at VPI and SU, and his masters degree from the University of Virginia.

Carey Durham, an Asheboro native, is a CPA and CFO/Director of Corporate Services at Hospice of Randolph County, Inc. He earned his BSBA degree from UNC-Chapel Hill where he counts botany as one of his favorite electives. Before joining the world of healthcare in 2008, he was involved in executive financial management in the industrial fields of furniture, home furnishings, footwear, plastics, and food processing.

Anne Harris is an environmental attorney and was the vice president of environmental services for Black & Veatch Engineering's Energy Division for over 25 years. Her responsibilities included managing the company's environmental compliance planning, environmental permitting, and environmental review services. Prior to her employment by Black & Veatch, she worked for the Tennessee Department of Transportation, the Brooklyn Botanic Garden, and as an educational consultant for the Garden. She earned her undergraduate degree from Florida State, masters degrees from Emory University and UNC-CH, and a law degree from the University of Kansas.

Lyle "Duke" Henthorne retired in 2001 from his position as director of global computing, with 45 years of experience in global computer management, business process and systems development. He has worked with youth as a coach for various sports, PTA president, and volunteer youth counselor. He also has experience with film, creating TV commercials, feature-length movies, and more.

Florence Peacock continues to connect gown and town, serving as a director of Table, a nonprofit organization providing food for low-income grade school students in the community. A trained vocalist, she taught singing for years. She is a tireless patron of the performing and visual arts, including serving on the boards of Carolina Performing Arts and the N.C. Opera, among others.

Frank B. Penta lives in Chapel Hill and has a life-long interest in gardening. With an impressive history as an educational leader in medicine and public health, Frank is still active in his field and is a renowned woodturning artist. He grew up in the Boston area, was an Eagle Scout, and graduated from Northeastern University. Throughout his life, Frank has been an active community volunteer, Scout Master, Rainbow Soccer coach, Chapel Hill Recreation volunteer, Library volunteer, and woodturning demonstrator at retirement centers, boy and girl scout groups, the NCBG and other venues.

Sandy Thompson is rejoining the Board after a year off. He has remained a strong supporter of the Garden, helping with sponsorships for the Gala and sponsoring an intern for the Garden. A UNC graduate, Sandy has served as client executive for accounts with multi-state and international operations at Wells Fargo Insurance Services since 1986. His previous position was with Aetna C&S as a large accounts casualty underwriter.

The Botanical Garden Foundation, Inc. is the 501(c)3 non-profit organization that holds land for conservation and raises money for the North Carolina Botanical Garden, a part of the University of North Carolina at Chapel Hill.

Paying back, paying forward

-- a new species of nutsedge named for former NCBG director C. Ritchie Bell

by Alan S. Weakley, Director, UNC Herbarium

Where are “new species” discovered? Perhaps in the depths of a remote jungle, or the depths of a remote ocean – certainly “depths” and “remoteness” have got to be involved. But, the story of this new species of nutsedge begins about two decades ago with Richard LeBlond doing his day job as a biologist for the State of North Carolina’s Natural Heritage Program. He was in the “remote depths” of Onslow County, about a half hour’s drive from his doorstep in Richlands, North Carolina.

The area LeBlond was surveying along the Onslow/Pender County line had already produced new species. Cooley’s Meadowrue (*Thalictrum cooleyi*) was found in the same vicinity and named in 1959 by Harry E. Ahles (then curator of the UNC Herbarium), in honor of George R. Cooley, a philanthropist who helped fund the 1968 *Manual of the Vascular Flora of the Carolinas*, by Albert E. Radford, Harry E. Ahles, and C. Ritchie Bell. Cooley’s Meadowrue can be seen growing in the Carnivorous Plant Collection at the NC Botanical Garden. On this day, LeBlond collected an odd sedge near where Ahles had found the meadowrue, and it also proved to be a new species, named *Carex lutea* (Golden Sedge) in 1994. Both species are so rare that they are formally listed as endangered. Other imperiled species cluster in this area near Maple Hill, North Carolina, apparently because of an unusual and very localized habitat: limestone imparts a calcareous influence to usually highly acidic longleaf pine savannas.

So when LeBlond found a plant that didn’t “fit,” he put on his thinking cap. Botanists often have an “aha! moment” about new species, but laborious research is often needed to convince oneself and one’s peers. In this case, it took years of work examining and studying a thousand herbarium specimens (at our herbarium and borrowed from others) to identify this new species, later named *Scleria bellii*.

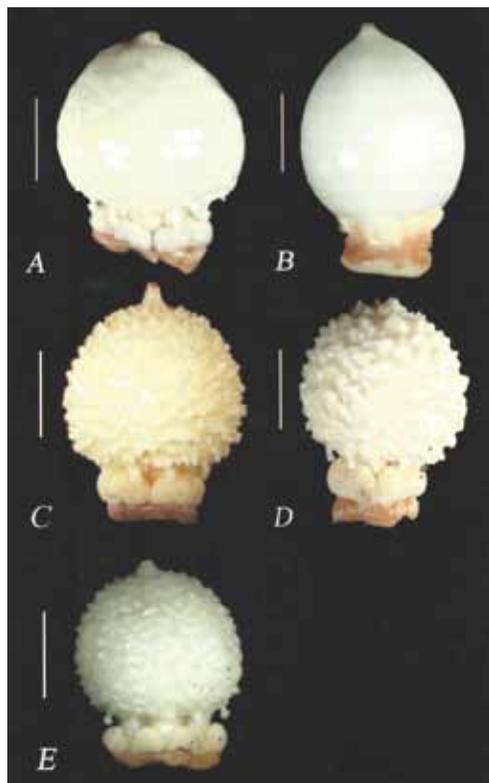
To this end, the article (“*Scleria bellii*, a distinctive and uncommon nutsedge from the southern U.S., Cuba, and Mexico,” by Richard J. LeBlond, Samantha M. Tessel, and Derick B. Poindexter) was

published on July 24th, 2015 in the *Journal of the Botanical Research Institute of Texas* (http://brit.org/webfm_send/1422). The oldest herbarium specimen so far identified as *Scleria bellii* was collected in 1894 in Florida, so this “new” species languished unrecognized in herbaria for more than a century! LeBlond, the lead researcher, is now an herbarium associate at the UNC Herbarium; Sam Tessel is completing her ecology Ph.D. work under the direction of former Garden director Peter White and served in the past as the Mary McKee Felton Herbarium Intern; and Derick Poindexter is completing his biology Ph.D. under my direction and serves as the current Charles T. Mohr Herbarium Intern.

The article states that the name “honors C. Ritchie Bell (1921-2013), scientist, teacher, co-author of the landmark 1968 Manual, . . . and a founder and first director of the North Carolina Botanical Garden.” UNC Herbarium researchers (and others) have now honored Radford, Ahles, and Bell multiple times: *Sarracenia ×ablesii* C.R. Bell & Case, *Ptilimnium ablesii* Weakley & Nesom, *Sarracenia ×bellii* Mellichamp, *Hypericum radfordiorum* Weakley ex J. Allison, *Carex radfordii* Gaddy, *Parthenium radfordii* Mears, and *Lysimachia ×radfordii* Ahles.

We pay back our debt of gratitude to our predecessors, teachers, supporters, and donors in part with recognition of this kind.

Perhaps, though, we honor them best by paying our debt forward, building on the UNC legacy of cataloging, teaching, and conserving our special southeastern United States flora.



Achenes (fruits) of *Scleria* species, *S. bellii* upper left. Note differences in surface orientation and tubercle number/size on the hypogynium. Scale bar = 1 mm. Figure 3 from the article; reproduced by permission of the *Journal of the Botanical Research Institute of Texas*

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Journal of the Botanical Research Institute of Texas



Fall Plant Sale October 2 & 3

by Matt Gocke, NCBG Nursery Manager

Fall is the perfect time to plant native perennials, shrubs, trees, ferns and vines in your garden and natural areas. Planting in the fall gives roots time to establish themselves prior to the following growing season, which is why the Garden holds its annual plant sale in the fall.

The event begins with **Members' Night on Friday, October 2, 5-7:30 pm**, when members get first pick while enjoying refreshments and live music. The sale opens to **non-members Saturday morning, October 3, 9 am to noon**. Garden members receive a 10 percent discount on plants both days.

Native pollinator plants will be a focus of this year's plant sale. Bees, butterflies and many other creatures are responsible for pollinating the vast majority of our southeastern native plants, not to mention most of our food crops. In turn, many of these plants act as hosts and/or offer nectar for these pollinators.

The North Carolina Botanical Garden is committed to preserving this plant-pollinator relationship by increasing public awareness of this important connection and by promoting native plants and sustainable gardening practices. In fact, this year, the Garden's programming has been focused on the plight of our pollinators, and the *Saving Our Pollinators* exhibit is designed to culminate with our annual fall plant sale.

A large majority of the plants that will be for sale have been



propagated and grown in the Garden's nursery with sustainable practices in mind. Thanks to those local nurseries and individuals who donated plants for this sale.

Used gardening books donated by members and friends of the garden will also be for sale. Additionally, a variety of botanical items, including seeds and a wide selection of new books, will be available at our Garden Shop.

Come out for this year's Fall Plant Sale and lend a hand to our region's wonderful native pollinators. What better way to help pollinators than to plant some of their favorite plants! 🍂

Southeastern flora? There's an app for that!

The FloraQuest app makes the 1,000+ page *Flora of the Southern and Mid-Atlantic States* available on your mobile device. Now information about the identification, taxonomy, habitats, and distribution of over 7,000 vascular plants that call a 14-state region of the southeastern United States home can be used with the swipe of a finger! **Find it on iTunes!**



Wonder Music & Magic in the Garden Fest

Saturday, September 26, 5:30-8pm

- Wear your most magical costume
- Live animals
- Nature activities
- Fairy houses
- Live bluegrass music by *Steph Stewart & The Boyfriends*
- Food trucks
- Picnics welcome

\$20/family

Register at ncbg.unc.edu/calendar



The 2015 Carolina Moonlight Gala offered a beautiful evening filled with delicious food and drink, silent and live auctions, music, and dancing. The event raised around \$50,000, including \$17,500 for our Horticultural Therapy Program through the Call for the Cause. We are especially grateful to our sponsors and the Botanical Garden Foundation for making this event a success.

Right: Guests enjoy Patrick Dougherty's *Homegrown* while dining and dancing.
Bottom left: Sara and Damon Waitt
Bottom Right: Jan and Jim Dean

Save the Date!
The 2016
Carolina Moonlight
Gala will be May 21!



Sponsors

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Earth Partnership for Schools

In July, NCBG partnered with the City of Durham Stormwater Services to once again offer the Earth Partnership for Schools (EPS) workshop. Fourteen educators from seven different schools participated in the week-long program. During the institute, teachers learned to create native plant gardens on school grounds and had the opportunity to visit some wonderful natural areas managed by NCBG, such as Mason Farm Biological Reserve and Penny's Bend. EPS has been a huge success since it was first offered at NCBG in 2009, training over 105 educators from 343 schools and environmental education centers.

The 2016 Earth Partnership for Schools workshop will be July 18-22. Applications will be available beginning February 1, and can be found on the NCBG website: ncbg.unc.edu/pages/22/

For more information, please contact Grant Parkins, natural science educator:
parkins@unc.edu, 919-962-2887.

North Carolina Botanical Garden EDUCATION PROGRAMS

Fall 2015 - Winter 2016

Registration is online! ncbg.unc.edu/calendar



Adult Programs

Nature Art & Illustration

Edibles on Paper:

Pumpkins in Watercolor

Kathy Schermer-Gramm, Professional Artist
Sunday, Oct 4; 1:15–4:45pm

Spend this fall getting acquainted with pumpkins! Instruction includes drawing for accuracy, painting wet into wet with saturated color, followed by dry brush to bring out the details. *Some watercolor knowledge is helpful. Paint and paper supplied. Supply fee included.* \$55 (\$50 Members)

Field Sketching

Kathy-Schermer-Gramm, Professional Artist
Fridays, Oct 9, 16, 23, 30; 1–4:30pm

Take your sketchbook outdoors and reconnect with plants in their natural environment. Students are encouraged to shed old habits and try new techniques as they travel to a variety of gardens and habitats. Through a combination of guided exercises and free experimentation, discover new ways to see plants, new problem-solving skills, and a refreshing way of thinking about layout and color. *Several media are used.* \$150 (\$135 Members)

Painting with Leaves on Fabric

Susan Fecho, Professional Artist
Saturday, Oct 10; 2–4:30pm

Learn to make designs on fabric by painting and printing with leaves, grasses, and natural materials. Heliographic fabric paints will be used for various techniques such as sun printing, stenciling, and mono printing. *Supply fee included.* \$42 (\$38 Members)

Drawing with Metalpoint

Susan Fecho, Professional Artist
Saturday, Oct 17; 9:30am–12pm

Experience how to draw with metalpoint on paper, a centuries-old technique that predates graphite pencils. The class covers how to prepare a surface and how to use metal in a stylus to create delicately crosshatched drawings that will continue to “develop” as they tarnish. *Supply fee included.* \$42 (\$38 Members)

Fall Leaves in Colored Pencil

Linda Koffenberger, Professional Artist
Sunday, Nov 1; 1:15–4:45pm

This workshop is intended for anyone interested in spending a fun afternoon drawing fall leaves and learning about deciduous trees native to North Carolina. Students receive easy-to-follow instructions to draw in color. *Supply fee included.* \$55 (\$50 Members)

Composition

Patricia Savage, Professional Artist
Nov 8, 15, 29, Dec 6; 1:15–4:45pm

Through this broad study in the elements that formulate a good composition, students will learn how to make visual choices and determine how parts of a plant are arranged on the page to balance botanical accuracy and artistic sensitivity. \$150 (\$135 Members)

Natural Colors Workshop

Rebecca Cope, Certified NC Envir. Educator
Sunday, Nov 8; 1:30–4:30pm

Celebrate fall, when colorful natural pigments become visible in the once green trees and garden plants. Explore the origins of natural colors, including animals, vegetables and minerals, and discover some of their historical uses and common meanings. Use natural pigments and other raw materials to make homemade paint and create a cave-style painting to take home! *Supply fee included.* \$45 (\$40 Members)

Watercolor and Mixed-Media Holiday Cards: An Art Prescription Workshop

Bev Dyer, Professional Artist, Nurse
Sunday, Nov 15; 2–4pm

We play with watercolor, collage, and stamping on watercolor paper. Everyone leaves with five ready-to-deliver note cards and envelopes. All you need to bring is your imagination and a willingness to play. *Supply fee included.* \$28 (\$25 Members)

Fanciful Birds

Holiday Tree Ornament Workshop

Nina Forsyth and Elaine Norwood,
NCBG Volunteers
Saturday, Nov 21; 2–4pm

Join us for this fun workshop, creating fanciful birds from paper and natural trimmings to adorn our holiday tree. *Free. Pre-registration required.*

Beginning Drawing

Kathy Schermer-Gramm, Professional Artist
Tuesdays, Jan 5, 12, 19, 26 (incl. weather: Jan 27); 1–4:30pm

Students learn the fundamentals of illustration through contour drawing, negative space, perspective, and tone. \$150 (\$135 Members)

Introduction to

Botanical Art and Illustration

Linda Koffenberger, Professional Artist
Saturday, Jan 16 (incl. weather: Jan 23);
1–4:45pm

Explore the history of botanical illustration, see examples of various types of botanical illustrations and botanical art, and learn about the instructors and coursework for the Certificate in Botanical Art and Illustration. \$38 (\$34 Members)

Winter Twigs in Tinted Ink Wash

Kathy Schermer-Gramm, Professional Artist
Saturday, Jan 23 (incl. weather: Jan 30);
1–4:30pm

Winter twigs with buds, various textures and details are ideal for learning the technique of ink wash. Instruction includes drawing for botanical accuracy, applying ink wash, and combining graphite pencil, tinting ink, and watercolor top glazes. *All levels. Supply fee included.* \$55 (\$50 Members)

Edibles in Watercolor: Pomegranates

Kathy Schermer-Gramm, Professional Artist
Saturday, Feb 13; 1–4:30pm

An afternoon watercolor workshop for painting pomegranates, the festive fruit of winter. Instruction includes color matching as well as the techniques of painting wet into wet, dry brush, and top glazing. *Some watercolor experience helpful. Supply fee included.* \$55 (\$50 Members)

Winter Holiday Tuba and Woodwind Ensembles Concert

The Village Band
Dec 5; 2–4pm

The Village Band performs a selection of pre-Christian and Christian winter carols. The Village Band was organized as a non-profit community concert band to promote classic town band music in the region, and includes about 60 members, from their teens to their 90s. *Free. Pre-registration required.*

Leopold Bench Building Workshop

Jim Fickle, NCBG Volunteer
Saturday, Jan 16; (incl. weather: Jan 30);
2–4pm

Celebrate Aldo Leopold's birthday with us and build a Leopold Bench to take home! This bench is simple yet classic for any garden and landscape. Rough sawn cedar wood will be cut to size for assembly. *If you can, please bring a power drill/screwdriver. Other tools will be provided.* \$65 (\$58 Members)

Adult Programs

Nature Studies

Caterpillarology – The Study of Pollinator Precursors

Mike Dunn, Naturalist
Sunday, Sept 20; 2:30–4:30pm

In addition to plants that provide nectar, butterflies and moths also need host plants for their caterpillars to complete their life cycle. See live specimens, learn about the fascinating larval stage of these pollinators and which plants can attract them to your home. \$15 (\$10 Members)

Piedmont Wildlife through the Seasons

Mary Sonis, Naturalist, Photographer, Writer
Sunday, Oct 4; 2:30–4pm

Photographer Mary Sonis chronicles a year of wildlife walks in North Carolina with photos of wildlife that live in the Piedmont. This nature and wildlife photography program reveals the rich diversity of wildlife in our state. \$18 (\$16 Members)

Lichens

Eimy Rivas Plata, Lichenologist
Saturday, Oct 24; 9:30am–4:30pm

Lichens (lichenized fungi) are symbiotic organisms that consist of fungal, algal and/or bacterial partners. Among the first life forms to live on land, lichens have occupied nearly every habitat on Earth and grow on many of the surfaces of our environment. This class introduces students to the fascinating world of lichen biology, the dazzling diversity of the local lichen flora, and their importance as indicators of environmental health. Includes lecture, demonstrations, and a field trip. Bring your lunch. \$65 (\$58 Members)

Cool and Ghoulish Plants!

Milo Pyne, Plant Ecologist
Thursday, Oct 29 (FULL MOON); 7–8pm

Celebrate the turning of the year with an exploration of the dark side of botany. Learn the lore and history of deadly and dangerous plants that live around us, with names like henbane, dogbane, wolf's-bane, white snakeroot, monkshood, larkspur, hellebore, and death-camas . . . a truly entertaining exploration of the botanical world! \$12 (\$10 Members)

Soil Ecology

Nicolette Cagle, Ecologist
Tuesdays, Nov 3, 10, 17, 24; 9:30am–12:30pm

Join us for this introduction to the complex world of soils, including information on how they are formed, characterized, and populated by a wide array of organisms. An overview of soil types is presented, followed by the study of typical Piedmont soils and their properties. The various roles that soils play in both human society and ecological systems are discussed. \$130 (\$117 Members)

Book Review:

Pilgrim at Tinker Creek by Annie Dillard
Nicolette Cagle, Ecologist
Friday, Dec 4; 12–2pm

Bring your lunch and join us for a discussion of Annie Dillard's nonfiction book, *Pilgrim at Tinker Creek*. This story details the author's explorations of nature and life in the area of Tinker Creek in Virginia's Blue Ridge Mountains, recording her thoughts on solitude, writing, and religion, as well as scientific observations on the flora and fauna she encounters. \$15 (\$13 Members)

Rare Plant Ecology and Conservation
Johnny Randall, NCBG Dir of Conserv. Prgms;
Mike Kunz, NCBG Conservation Ecologist
Wednesdays, Jan 6, 13, 20, and 27 (incl. weather: Feb 3); 1–4pm

This course covers the concepts and practices of rare plant conservation and recovery, with a focus on rare plants of North Carolina with additional examples from the southeastern US. From the tops of the Smoky Mountains to the coastal dunes, North Carolina is home to many rare plant species, each with its own story. Through lectures, discussions, and the study of selected flora, this course examines the causes of plant rarity, conservation strategies, and the ethics of certain conservation practices. \$130 (\$117 Members)

Advance registration is
required for all programs
unless otherwise indicated!

ncbg.unc.edu/calendar

Winter Flora

Ken Moore, NCBG Assist Director Emeritus
Sundays, Jan 10, 17, 24, 31 (incl. weather: Feb 7); 1:30–4:30pm

This course is designed for a broad audience as well as for students who are enrolled in either of the Garden's certificate programs. Field trips and exercises provide experience in the use of identification keys and recognition of plants in their winter condition in natural settings. Enjoy discovering that many trees and shrubs are easily recognized when not covered with leaves! \$135 (\$122 Members) *Fee includes copy of Winter Tree Finder by May and Tom Watts.*

Plant Ecology

Jeffrey Phippen, Ecologist
Jan 9, 16, 23, 30 (incl. weather: Feb 6); 1–4pm

Plant Ecology is designed for those interested in the interactions of plants within their environments. Ecological relationships at the organism, population, community, and ecosystem levels are examined, using examples from the rich and diverse North Carolina flora. Students learn about nutrient and energy cycling within ecosystems, as well as current threats and trends for the conservation of ecosystems. \$130 (\$117 Members)

Botany

Olivia Lenahan, Horticultural Scientist
Saturdays, Feb 6, 13, 20, 27 (incl. weather: Mar 5); 9:15am–2:15pm

Basic principles of botany including taxonomy, anatomy, morphology, and physiology are covered. Class time is divided between lectures and examining/dissecting samples. There are also opportunities for making observations in the gardens. *Bring your lunch.* \$195 (\$175 Members)

CERTIFICATE PROGRAMS

Are you interested in gaining greater knowledge and appreciation of the native plants of the southeastern United States? Would you like to learn how to accurately draw and paint plants or improve your skills? The Garden offers adult learners, from amateurs to professionals, two unique opportunities to learn about plants through in-depth courses taught by dedicated, expert instructors: **Native Plant Studies** and **Botanical Art and Illustration**. Both programs culminate in certification. To learn more and see a full listing of fall semester courses (through Dec 2015): ncbg.unc.edu/certificate-programs



Adult Programs

Hikes & Tours

Display Gardens Tour

Meet: Pegg Exhibit Hall
Every Saturday, Mar-Oct; 10–11am

Participants experience the beauty of plants native to North Carolina as they learn about wildflowers and how to use them in the home landscape, explore a longleaf pine forest in our Sandhills Habitat Garden, a wet savannah in our Coastal Plain Habitat Garden, a mountain bog in our Mountain Habitat Garden, and visit our amazing native carnivorous plants collection. Free.

Early Autumn at Mason Farm

Ed Harrison, Naturalist
Saturday, Oct 10; 1–3:30pm

Enjoy the fall beauty of Mason Farm Biological Reserve during an in-depth tour of the “old farm trail.” Travel through 260 years of cultural and natural history, discover early fall wildflowers, and discuss the effects of the Garden’s intense management for both field and forest on the Reserve. \$16 (\$14 Members) *Pre-registration required.*

Peak of Autumn at Penny’s Bend

Ed Harrison, Naturalist
Saturday, Oct 31; 1–4pm

Take a walk through the colorful fall landscape of this remnant glade and Piedmont prairie managed by NCBG. Surrounded on three sides by the Eno River, Penny’s Bend Nature Preserve encompasses mature forests and remnant prairies with numerous regionally rare plants. *Please Note: This hike is about two miles in length and much of it is on uneven terrain. Wear sturdy hiking footwear and carry a walking stick if you use one, as well as water.* \$20 (\$18 Members)

Holly Walk

Ken Moore, NCBG Assist Director Emeritus
Sunday, Dec 6; 2–4pm

December is a great time to enjoy the trees of the UNC campus. Ken Moore will trace the footsteps of well-known horticulturist William L. Hunt who enjoyed leading an annual UNC winter campus tree walk. Among the impressive mature specimens of broad-leaf evergreens and conifers are an amazing collection of evergreen holly species and cultivars. In addition to relating some of Mr. Hunt’s “tree stories,” Ken will use a selection of vintage photographs to show how the campus landscape has changed during the past 100 years. \$13 (\$12 Members)

Home Gardening

Landscape for Life

JoAnn Overton, Landscape Designer, Trained Landscape for Life Instructor, and Guest Speakers
Saturdays, Sept 26, Oct 3, 10, 17, 24;
9:30am–12pm

Harness nature’s power to create a healthy, beautiful home landscape. *Landscape For Life* shows you how to work with nature in your garden, no matter where you live. Conventional gardens often work against nature. They can damage the environment’s ability to clean air and water, reduce flooding, combat climate change, and provide all the other natural benefits that support life on earth, including us. The good news is that even one home garden can begin to repair the web of life. It’s possible to create a great-looking garden that’s healthier for you, your family, your pets, and the environment—and that saves you time and money. Topics include successful soil, water, plant and materials practices with emphasis on native plants. \$150 (\$140 Members)

Native Plants for the Shade

Olivia Lenahan, Horticultural Scientist
Saturday, Oct 17; 2–4pm

Join us under the canopy as we meet some of our shade-loving native plants. This workshop begins in the classroom as we discuss some of our beautiful natives that enjoy the shade, followed by a walk-about in the Garden. An informational plant list will be provided. \$24 (\$22 Members)

The DO’s and some Don’ts of Pruning

Charles Tomberlin, Landscape Area Manager,
New River Landscaping Inc.
Saturday, Jan 23 (incl. weather: Jan 30); 1–4pm

Participants will be instructed on the different types of pruning equipment and safety, the best pruning techniques, and the proper time to prune. The primary focus will be on, but not limited to, trees and shrubs. Pruning is a beneficial horticultural practice for the overall health of plants, as well as stimulating new growth and flowering. \$36 (\$32 Members)

Get Ready for Spring: A Vegetable Gardening Workshop at the Carolina Campus Community Garden

Greta Lee, Certified Permaculture Instructor;
Claire Lorch, CCGG Manager
Sunday, Feb 21 (incl. weather: Feb 28);
1:30–3pm

Get ready for spring! This workshop covers what vegetables to plant for a spring garden; when to start planting; how to grow your own vegetable seedlings; tips on protecting plants from freezing; and how to get a large harvest from a small space. Following the workshop, plan on staying to volunteer with the Carolina Campus Community Garden volunteer corp! \$18 (\$18 Members; Free to UNC Students)

Weeds 101

Sally Heiney, NCBG Horticulturist
Saturday, Apr 9; 10am–12pm

Every gardener and homeowner can tell you what they consider to be a weed. Too often, one person’s weed is another creature’s critical food source or shelter, while another person’s prized plant might be the next ecological disaster. Discussion will include a brief history of weeds and their impact on ecosystems and our economy, ways to identify your weeds, and strategies for their management, whether they be friend or foe. Management practices include time-tested approaches and some new techniques we employ here at NCBG, with an emphasis on environmentally responsible gardening. *Participants are welcome to bring in specimens for identification.* \$24 (\$22 Members)

LUNCHBOX Talks

Bring your lunch and join us for a free lecture! *Pre-registration required.*

Sculpture in the Garden: A Marble Carver’s Process

Susan Moffatt, Professional Artist
Wednesday, Oct 28; 12–1pm

Artist Susan Moffatt discusses the process of turning a raw block of marble into a sculpture. She takes you through finding an inspiration, modeling the idea, selecting the right stone, roughing out the form and then the final finishing, mounting and siting of the work. Free. Pre-registration required.

The Biochemistry of Fall

Stefan Bloodworth, Curator, Blomquist Garden
of Native Plants Sarah P. Duke Gardens
Monday, Nov 2; 12–1pm

Join us for this talk focusing on the end of another growing season, and the quiet, slow-moving cascade of chemical reactions and weather changes which signal to the plants in our forests, fields and gardens that a long winter’s nap is indeed ahead. Free. Pre-registration required.

Darwin Day

Allen Hurlbert, UNC-CH Biology Dept.
Friday, Feb 12; 12–1pm

Join us to explore how the wondrous force of Natural Selection has shaped the patterns of diversity among vertebrates, invertebrates, and plant communities. Mark your calendar for this talk on Darwin Day, the anniversary of the birth of Charles Darwin in 1809. Pre-registration required.

Youth & Family Programs

Little Sprouts (ages 3-5 with accompanying adult)

Share a morning of nature discovery with your little one! Explore the plants, animals, and seasonal changes in the Garden with hands-on activities, crafts, and stories. \$10 (\$8 Members); no fee for accompanying adult

I Spy Fall
Saturday, Oct 24; 10-11:15am

Animal Tails
Saturday, Nov 21; 10-11:15am

When It Gets C-c-cold
Saturday, Dec 12; 10-11:15am

Winter Birds
Saturday, Jan 23; 10-11:15am

Salamander, Wake Up!
Saturday, Feb 27; 10-11:15am

Nature Illustration for Kids: Bees, Blossoms, and Butterflies (ages 8-12) Bob Palmatier, Artist and Naturalist Saturdays, Sept 26, Oct 3, 10, 17 (4 sessions); 1-4pm

Learn to identify and illustrate our local butterflies and bees collecting nectar and pollen from late summer wildflowers. Students will hone skills in watercolor, pen and ink, and colored pencil, using materials and techniques of professional nature illustrators to compose works of art that celebrate our pollinators! Each child will receive an art kit and conclude with two matted illustrations. \$140 (\$125 Members), includes student art kit

Bluets: Preschoolers Exploring Nature (ages 4-5) Wednesdays, Sept 30—Nov 4 (6 sessions); 1:30-3:30pm

Learning comes naturally during this fun-filled series that fosters a sense of wonder for the natural world and a love for science learning. Preschoolers will explore the marvels of changing colors, flying seeds, and migrating animals through hands-on activities, hikes, stories, crafts, and group play. Snack provided. Note: This is a drop-off program. \$105 (\$95 Members)

Monarch Magic! (ages 5-10 with accompanying adult) Saturday, Oct 3; 1:30-3:30 pm

It's that magical time of year! Monarch butterflies are making their incredible journey south to Mexico. Discover the amazing life cycle of this colorful insect with live specimens, learn how to tag butterflies for citizen science project Monarch Watch, and find out how you can help bring back the monarchs! Each child will receive a special plant to take home. Note: Adult chaperone required. \$15 (\$13.50 Members); no fee for accompanying adult

Family Gardening Workshop: Pumpkin Harvest (ages 5-10 with accompanying adult) Saturday, Oct 17; 10-11:15am

Explore what's growing in the fall garden and harvest mini pumpkins! Each child will decorate a pumpkin to take home, hear stories about the pumpkin life cycle, and sample garden treats. Note: Adult chaperone required. \$10 (\$8 Members); no fee for accompanying adult

Family Gardening Workshop: Ready for Winter (ages 5-10 with accompanying adult) Saturday, Nov 14; 10-11:15am

Winter is coming and it's time to put the vegetable garden to bed! Help us harvest and taste the last of the fall vegetables, plant cover crops, and learn how to grow a cold season garden. Note: Adult chaperone required. \$10 (\$8 Members); no fee for accompanying adult

Natural Ornaments (ages 4-12 with accompanying adult) Saturday, Dec 5; 2:30-4pm

Decorate for the holidays naturally with acorns, pinecones, milkweed pods, and more! Use your imagination to craft your own unique ornament with materials that nature supplies. Enjoy a mug of hot chocolate to celebrate your creative work. All materials included. Note: Adult chaperone required. \$10 (\$8 Members); no fee for accompanying adult

Bluets: Preschoolers Exploring Nature (ages 4-5) Wednesdays, Jan 27—Feb 17 (4 sessions); 1:30-3:30pm

Learning comes naturally for 4 and 5 year-olds during this fun-filled series that fosters a sense of wonder for the natural world and love for science learning. Preschoolers will learn about winter weather, how plants and animals survive the cold, and more through hands-on activities, nature walks, puppet shows, stories, crafts, and group play. Snack provided. Note: This is a drop-off program. \$72 (\$64 Members)

Winter Backyard Birds (ages 6-12 with accompanying adult) Saturday, Feb 13; 10-11:30am

It's National Bird Feeding Month! From yellow-bellied sapsuckers to Carolina chickadees, learn to identify common winter birds by sight and sound. We'll visit our bird-feeding station for up-close encounters and make recycled feeders to take home. Find out how you can attract birds to your backyard and participate as a citizen scientist in Project FeederWatch. NOTE: Adult chaperone required. Nuts and seeds present. Dress for the outdoors. \$10 (\$8 Members); no fee for accompanying adult

Family Gardening Series: Tee-PEAS! (ages 5-10 with accompanying adult) Saturday, Feb 20; 10-11:15am

It's time to plant peas 'round the teepee! Even though the air is still chilly, now is the time to get seeds in the ground for a sweet spring time harvest. Discover this delicious climbing vine, help plant peas in the garden and to take home, and learn how to build a teepee for your pea plant to grow on! Note: Adult chaperone required. \$10 (\$8 Members); no fee for accompanying adult

Vernal Pool Wonders (ages 5-12 with accompanying adult) Saturday, Mar 5; 1:30-3:30pm

Chorus frogs, dragonfly larvae, and spotted salamanders ... oh my! Nature is waking up in the garden's vernal pools. These spring nurseries are swimming with life in early spring. Peek into the ponds with dip nets, meet live critters, and learn about the wonders and mysteries of life in a vernal pool. Note: Adult chaperone required. \$10 (\$8 Members); no fee for accompanying adult

Nature Explorers Summer Camp 2016



Registration opens February 1

- Spend a week exploring North Carolina's native gardens, forests, and wetlands!
- Hands-on activities, nature hikes, games, puppet shows, and crafts!
- Week-long day camps for ages 4-12 feature small group sizes and loads of fun!
- All sessions taught by experienced environmental educators

Camp brochure available online mid-January.

A Developing Garden *notes from Charlotte Jones-Roe, Director of Development*

Thanks to you, our contributors, 2014-2015 was an outstanding year in fundraising and membership. Our membership is now more than 3,200 strong! We hope to see all of our members at the many exciting fall events planned here at the Garden. Come out and enjoy the Members' Plant Sale party on October 2nd, attend the Sculpture in the Garden preview on September 19th, the members' holiday party on December 13, and look forward to the exciting changes ahead for the North Carolina Botanical Garden.

One of our newest funds, The Director's Fund, has been growing since it was established by Damon Waitt last spring. Great gardens require planning, patience and resources. The Director's Fund will be helpful in updating the Garden's Master Plan and laying the foundation for the bright future of the North Carolina Botanical Garden. **Jim and Delight Allen** recently made a generous gift to the Director's Fund, along with **Anne Harris, Jonathan and Mary Howes, Tom Kenan, Sally Vilas and Harry Gooder, Lallie and Dave Godschalk, Charlotte Jones-Roe and Chuck Roe, Eunice Brock, Merryle Johnson, Carol and Francis DeYoung, and Mary, Lynda, and Jim Reimann.**

Our members and donors through the years have built the Garden with gifts designated for General Support or "where the need is greatest." Among our supporters who made contributions for general support recently were **Larry and Lu Howard, Claire and Hudnall Christopher, the Chapel Hill Garden Club and Bob and Nancy DeLong. Beverly Murdock, Katharine Reid, Margaret and Bill Walker, Kent Fawcett, Nancy Spencer, Susan and Lowell Strine, Stephen Shafroth, Thomas and Lorraine Masters, Barbara Hiestand, Bill and Christine Piscitello, Native Sun Landscape Design LLC, Susan and Stephan Frye, Mike Turner, Charlie and Nancy Zimmerli, Joe and Dana Woody, Colony Woods Garden Club, John and Priscilla Dodge, Adam and Lysandra Gibbs Weber, the North Carolina Native Plant Society, Dorothy Beall, as well as many others. Ed and Nancy Preston** made a gift for the Garden's General Operating Fund Endowment, a permanent fund that continues to help provide unrestricted income every year.

Sponsorships and gifts for the Carolina Moonlight Gala helped make the annual event a great success. A list of sponsors and contributors is included elsewhere, but I wanted to be sure to mention **Joan Gillings, Becky and Monroe Cobey, Harriet and D.G. Martin, Jan and Jim Dean, Alfonse and Jennifer Runquist and Mercedes Benz of Winston-Salem and Greensboro. Thanks also to Arthur and Mignon DeBerry, Marcella and Paul Grendler, Bob and Molly Broad, Tom Kenan, Barbara and Bob Wendell, Garden Gate Land-**

scapes, John and Ashley Wilson, Sandy Turbeville and Glen Elder, Jr., Fine Feathers, Stephen and Sandra Rich, Sandy and Reaves Thompson, Wyndham Robertson, Betsy and Walter Bennett, Debbie Hill, Performance Subaru, Claude and Sarah Snow, Julie Ellis, Sue Morgan as well as many, many others.

The Carolina Moonlight Gala inspired many gifts for our Horticultural Therapy Program through the Call for the Cause. Among those contributing toward the \$17,400 raised were **Harriet and D.G. Martin, Jayne Gregory, Becky and Monroe Cobey, Matthew and Julie Ellis, Kent and Nancy Ramond, Joyce Pence, Vikram Rao and Susan Henning, Jan and Jim Dean, Carol Tresonini and Tom Fiore, Damon and Sara Waitt, Michael and Sandra Brooks-Mathers, Bill and Anne Davis, Barbara and Bob Wendell, John and Pat Evans, Stephen and Sandra Rich, and Ione and John Lee.** They were joined by gifts for the program by **Kirsten Walter, Tom Daly and Allison Savicz, Jim Ward and Lynne Wentworth, Anne Pusey, David and Terri Swanson, Paula Davis Noell, Dakota Powell and Matt Knight, Ned and Sandy McClurg, Sherry Brennan, Michael and Gretchen Morrissey, Nancy Foster, and Katie Stoudemire.** Many thanks from all of us here for supporting the healing services of this program.

The Coker Arboretum, beloved by UNC alumni and all who enjoy its beautiful flowers, broad lawn, and shaded pathways, has received a long list of gifts, some available for immediate expenditure such as those from **Tom Kenan, Sally Vilas and Harry Gooder, Marcella and Paul Grendler, Alan MacIntyre, Mark and Jane May Ritchie, Pauline Williams and Rob Davis, Jean and James Coker Fort, and Jim and Delight Allen.** As you may recall from our last *Newsletter*, **Dave Robert**, owner of the Dead Mule Bar in Chapel Hill, organized a party to raise money needed for an intern at Coker Arboretum this summer. Thanks to the event and many contributors, the Coker Arboretum had an intern this year plus partial funding for next year's intern. Other gifts came in to build the Coker Arboretum Endowment, which now has a basis of nearly \$700,000 and generates funds each year to help pay staff who care for our beautiful campus garden. Among our recent contributors were **Mark and Jane May Ritchie, Jeannie and Clyde Browning, Susan and Tom Ross, Karen and Gary McDougal, and John and Alice May.** Another gift from **Tom Kenan** will not only help staff maintain the lovely Coker Arboretum water feature but help with other needs in the Arboretum.



cont'd on page 19 >>

Gifts

Thank you to all who support the Garden, especially to the many whose membership dues and gifts were received in the period from April 29 to August 27, 2015.

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Loren Douglas Hintz
Linda Whitney Hobson
Tanner and Mimi Hock
Jean Rice Hodder
Karen N. Hogan
Vivian and Lorette
Hollinshed
Susan and Alan Hollister
Susan Hollobaugh
Haru and Max Hommersand
Jewel Hoogstoel
Lu and Lawrence Howard
Robert Cook Howes
Julia Huff-Jerome
Charlotte and Tommy Hughes
Joyce and Eugene Huguélet
Susan Elizabeth Hunter
Dolly Anne Hunter
Gerda Gertrud Hurow
Mary Kay Icken
Brian G. Ivey
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Genevieve A. Jansen
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Ellen and Charles Johnson
Anne Hilliard Johnson
Richard Kenneth Johnson
Susan Cheng Johnson
Mary Pauline Johnson
Thomas H. Jones
Susan and Adam Jones
Charlotte Jones-Roe and
Chuck Roe
Lauren Dare Kage
Sally and Richard Kahler
Elizabeth Kaluta
Eszter Sarolta Karvazy
Stephen Keith and
Lisa Glover
Marie-Beatrice and
Robert Keller
Ann Kendall and
Caroline Sikorsky
Diane Kent
Charles Kidder
Patricia Kiffney
June and Winston Kirby
William Elliott Kirkland
Paul and Phebe Kirkman

Gifts, continued

Jim and Sharon Kirkman
Lynn Koss Knauff
Mary Koppenheffer
Jennifer Elston Lafata
Leroy and Lynn Lail
Matt Lail
Andrea T. Laine
Dee Anne Lamb
Susan Lamb and Kent Fawcett
Jane E. Lane
Jeffrey and Lynn Lang
Joan Langenderfer
Christina L. Larson
Nancy and Henry Latimer
Martha Stahl Latta
T. Stanley Lawton
John Lawton and
Elizabeth A. Millwood
Brenda B. Lazarus
Julia Gronkiewicz Lebowitz
Benjamin Adam Leder
Elsie L. Lee
Paul Willard Leslie
Francis Lethem
Michael F. Lienesch
Margaret and Robert Liloia
Susan and Mack Little
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Judy and George Lockhart
Anne Nelson Loeb
Sheilah K. Lombardo
Stephanie J. London
Annie and Douglas Long
Joanne and John Lott
Eleanor and David Lowry
Andrew and Jess L'Roe
Veronique MacHeldion
Suzanne Macuk
Judith E. Maloney
Laura Manigrasso
Dorothy W. Manning
Mariechen W. Smith Trust
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Alice Banks Yeaman
Glenn Martin and
Leann Nelson
Grier and Louise Martin
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Marty Martin
Mary M. Martorella
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Melissa McGraw
Brenda and Gene Matthews
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Alice and John May
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Brenda Motsinger and
Michael Ray
Joan Stuart McAllister
Robert and Karen McCall
Bet and Sandy McClamroch
Carol Ann McCormick and
Mark Peifer
John and Lisa McCubbin
Karen and Gary McDougal
Geraldine A. McDowell

Melissa McGaw
Loy Barbre McGill
Margaret Regis McGuinn
David Andrew McKay
Robert and Daphne McLeod
Kim C. McNearby
Julie G. McVay
Rita N. Mercer
Estelle Metzger
Margaret Susan Mielke
Kendrick Miller
Rachel Victoria Mills
Leslie Mindel
Jane and Donald Misch
Jessica Mjelde
Sylvia Ann Moffitt
Karen Mohlke and Robert
E. Wray
Mary B. Monaco
Diana Monroe and
Robert Zandt
William Clark Moore
Elizabeth Lee Moore
Molly and C. G. Moore
Ruth M. Moose
Sherry Morgan
Dexter L. Morris and
Patricia S. Tennis
Patrick Mortell and
Barb Thomas
Brenda M. Motsinger and
Michael Ray
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Kent and Miriam Mullikin
Brian and Ingrid Munley
Beverly and Robert Murdock
Mary Jo Muzzey
Annie Nashold
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Angela P. Greene
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Leslie and Mark Nelson
Jennifer M. Nelson
Nancy Lee Newell
Susan W. Newrock
Biruta Adminis Nielsen
Anne Whitlock Nielsen
Peg Nolan
North Carolina
Native Plant Society
Jamie and Scott Nunnally
Flora O'Brien
Joan O'Brien and
Michael E. Recane
Richard and Mary O'Dor
Carla Elizabeth Oldham
Jim and Carol Oleson
Mary Olney
Elise Olsen
Emily and Richard Olson
Angela and Michael O'Rand
Marcia W. Ostendorff
Robert and Susan Palmatier
Leonard and Esther Pardue
Peg Parker
Virginia Lea Parker
Allan and Carol Parrent
Margaret and Hugh Partridge
Linda Passman

Hilda and John Patterson
Bettina Patterson
Josie Ward Patton
Mary Ellen Grigg Pearce
Barbara and Lee Pedersen
Carol and John Petersen
Kristen Diana Phend
Chris and Bill Piscitello
Patricia Dale Pittard
Janice and Gordon Plumblee
Mary Lou Poe and
Dennis Revicki
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Jackie and Herbert Posner
Virginia Waldrop Powell
Peggy and Ted Pratt
Lacy and Sydnor Presnell
Nancy and Ed Preston
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Martha Ann Propst
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Gordon Worley
Elizabeth Pullman
Jane McLennan Purrington



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Diane Rainey
Karen Sanders Raleigh
Sophia Rauda
Nancy and Kent Raymond
Kerry and Patrick Reed
Katharine Lee Reid
Clifford Brian Reinhardt
Rachel Rempel and
Bruce Sullenger
Laurie Renz
Carol Reuss
Dennis A. Revicki and
Mary L. Poe
Tom and Diana Ricketts
Rif Riddick
Carl and Lisa Rist
Nancy Howes Robinson
Sallie S. Robinson
Brenda Hyde Rogers
Cosby and Robert Rogers
Marilyn Hunt Rollins
Charles and Palymra Romeo
Margaret Anne Rook
Val Rosado
Carol Sue Rosenberg
Susan and Tom Ross
Michael E. Royals
Abbie J. Royster
Mary San Filipo
John and Ann Sanders
Mitzi Moore Savage
Catherine E. Savinelli
Patricia Saylor
Nidia T. Scharlock
J. T. Scheick

Linda Michaels Schmalbeck
Jim and Arlene Schmidt
Robert and Carolyn Schrock
Betty Schumacher
Martin Schweitzer
Catherine Ethel Schwoerer
Richard and Alyson Scoltock
Margaret and Tom Scott
Brenda Scott
Sara and Thomas Sears
Brent and Dana Senior
Stephen Shafroth
Michael Frederick Sharp
Ann Sherman
Frances L. Shetley
Andrew B. Short and
Andrea D. Vizoso
James Shortridge
Headley Shouse
Dick and Linda Shrader
Jade Shutes
Tsai-en W. Sieren
Sisters IHM
Mitchell Skelton
Jennette C. Skinner
Michael and Anne Smethurst
Lawrence Smiley
Peter Barlow Smith
Mariechen W. Smith
Cathy Sohler
Nancy and Sebastian Sommer
Jeffrey and Mary Sonis
Nancy S. Spencer
Kirby Spicer
Timothy Spira and
Lisa K. Wagner
Kimberly Sprague
Margaret and Richard Sprott
Fred and Alice Stanback
Deborah Staves
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Linda Stender
Alan and Maxine Stern
Ruth Carole Stevens
Don and Patricia Stewart
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Kathleen Sullivan
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The Betty Dunn Clark Trust
Charlotte and Wayne
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Kenneth Tindal and
Susan Turbak

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Jessica and Charlie Tomberlin
Allen G. Tomlinson
Kate and Allen Torrey
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George A. Truskey and
Anna Wu
John Michael Turner
Lydia T. Upchurch
Margaret and Dean Urban
Mauro George Valentine
Jeanne Van Gemert
Betsey Van Horn
Gils Van Staveren
Thomas and Laura
Vanderbeck
Gates and Nancy Vrooman
Bobby and Marcella Wagoner
Stephen and Charlotte
Wainwright
Mary L. Waitt
Larry Wakeford
George and Lynda Waldrep
William and Margaret Walker
Daryl Farrington Walker
Kirsten Elsa Walter
Nick Ward
Steven Alan Warner
Rebecca Drane Warren
Julie D. Warshaw
David and Marion Waters
John and Celeste Watts
Jean Weakley
Alan Stuart Weakley
Sara and John Weaver
Paulette Webb
Adam and Lysandra Weber
Cynthia Weeks
Anna Ballenger Weil
Doris Wells
Debbie and Holland West
Brooke Ellen Wheeler
Tera Melissa White
Diane Elizabeth Wickland
Bobby G. Wilder
Holly and John Williams
Ann and Frank Wilson
Janet H. Wilson
Rosemary J. Wilson
Harry and Hallie Wilson
Mary Lindeman Wilson
Stephen D. Wilson
Alice Wittenbach
Susan Rose Wolf and
Douglas E. Maclean
Susan and Robert Wolff
Emily Walker Wood
Jane Woodard
Dana and Joe Woody
John and Joan Wrede
Dorothy L. Wright
Ruthie and Bob Wright
Pamela Wyatt
JoAnn Yates
Heather and David Yeowell
Charles and Nancy Zimmerli

Gifts, continued

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Allen Education Center

Elizabeth Locke and
John R. Staelin

Art and Educational Exhibits

Jeffery S. Beam and
Stanley G. Finch

Battle Park Endowment

Charlotte Timberlake Battle
Lisa Brachman and
Robert A. Roubey
Eleanor H. Broadus
Sue Catherine Campbell
Jinny Clancy
Marta and James Evans
Finnabar Farm
Allen F. Glazner and
Mary Olney
Danny Glover
Joan and David Guilkey
Jacquelyn H. Hall and
Bob Korstad
Ann Lou Jamerson
Patricia Kiffney
Freddie Kiger
Susan and Mack Little
Alice and John May
Bet and Sandy McClamroch
Steven Richard Moore
Elizabeth Lee Moore
Louise and Harold Pollard
Ed and Nancy Preston
James Ronald Schreiber
Laura and Paul Shadburn
Nancy Loyd Vernon

Battle Park and Interns

Stephen Keith and
Lisa Glover
Thomas W. Hardy
LaDonna and David Rader

Carolina Campus Community Garden

Anonymous
Newman Catholic Student
Center Parish
Holland and Deborah West

Carolina Moonlight Gala

(see also Horticultural
Therapy/Gala
"Call for the Cause")

Kaye Davis Aikins
Gordon M. Allen and
Maryann Feldman
Tami and Timothy Atkins
Betsy and Walter Bennett
Bob and Molly Broad
Sandra F. Brooks-Mathers and
Mike Mathers
Cotton and May Bryan
Melissa M. Cain and
Michael P. Wilder
Kevin Burns Clark
Becky and Munroe Cobey

Linda Carol Davis
Ann and Bill Davis
Shelley and John Day
Janet and Jim Dean
Arthur and Mignon DeBerry
Barbara and Thomas Driscoll
Tom Earnhardt and
Dana Jennings
Nancy Easterling and
Chuck Anderson
Glen H. Elder Jr. and
Sandy A. Tuberville
Matthew and Julie Ellis
Allison L. Essen
Fine Feathers
Dianne and James Frazier
Garden Gate Landscapes
Martha L. Gentry
Joan Heckler Gillings
Jayne Lane Gregory
Marcella and Paul Grendler
Susan Henning and
Vikram Rao
Debbie L. Hill
Merle S. Hofmann
Edward Shelton Holmes
Jonathan and Mary Howes
Betty Bellman Jean
Charlotte A. Jones-Roe and
Chuck Roe
Tom Kenan
Katherine and Vincent Kopp
Thomas Krakauer
Tina Labunski
Eleanor Lamb
Jeffrey and Sally Leinicke
Anne H. Lindsey
Harriet and D.G. Martin
Sandy and Ned McClurg
Anne and Bill McLendon
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Melissa Meager
Mercedes Benz of Winston-
Salem and Greensboro
Tom and Sandra Meyer
Kathryn and John Miller
Susan Morgan
Gretchen and Michael
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Performance Subaru
Brian and Mary Beth Phillips
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Missy and Sam Rankin
Kent and Nancy Raymond
Kenneth and Mary Redfoot
Stephen and Sandra Rich
Linda and Alan Rimer
Deborah and Ed Roach
Dave Robert
Wyndham Gay Robertson
Alfonse and Jennifer Runquist
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Tom Daly
Evelyn R. Savitzky
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David and Terri Swanson
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Sandy and Reaves Thompson
Don and Sue Tiedeman
Tony Hall & Associates
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Damon and Sara Waitt
Kirsten Elsa Walter
Jim Ward and
Lynne Wentworth
Barbara and Bob Wendell
Frances and Gary Whaley
Peter and Carolyn White
John and Ashley Wilson
Valerie B. Zamora

Children's Wonder Garden

Antonio and Mary Braithwaite
Molly Corbett Broad and
Bob Broad
Brenda B. Lazarus
Marty Martin
William Clark Moore



Coker Arboretum Endowment

Alicia Louise Berry
Joseph Malcolm Browne III
Lois and Clyde Browning
W. Woodrow Burns Jr.
Betty J. Coker
Jan and Larry Goldrich
Joy Ann Greenberg
Ann Lou Jamerson
Alice and John May
Karen and Gary McDougal
Josephine Ward Patton
Daniel Belk Plyler
Nancy and Ed Preston
Jane and Mark Ritchie
Susan and Tom Ross
James Ronald Schreiber
George and Zsuzsi Schroeder
Paul and Susan Szaniszlo
B. Peyton Watson

Coker Arboretum Expendable

Rosemary Murie Byrnes and
Daniel B. Stern
Rob Davis and Pauline H.
Williams
Judy Drost
Sally A. Heiney and Kirk Ross
James Hunter Leshner and
Eleanor S. Rutledge
Marcia E. Mahoney and
John Martin
Harriet and D.G. Martin
Pat and Charles Thompson
Sally Couch Vilas and
Harry Gooder
Jim Ward and
Lynne Wentworth
Julie and Steve Williams

Coker Arboretum Water Feature

Thomas S. Kenan III

Conservation Fund

Catherine Bollinger and
Thomas Scheitlin
Laurinda Q. Burselson
Leonard and Esther Pardue
Alice Banks Yeaman

Development Capacity Fund

Charlotte A. Jones-Roe and
Chuck Roe

Educational Outreach

Michael and June Clendenin
Joanne and John Lott

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Susan and Allan Eure
Margaret and Robert Liloia

Forest Theatre Restoration Fund

Tanner and Mimi Hock

Friends of UNC Herbarium

Elizabeth and John Bozeman
Nancy and Burton Fink
Anne Whitlock Nielsen
Jean Weakley
Alan Stuart Weakley

General Operating Fund Endowment

Christine Gibson
Nancy and Ed Preston

Herb Garden Endowment

Laurinda Q. Burselson
Barbara B. Hiestand

Horticulture Fund & Interns

Jim and Delight Allen
Angelia G. Beasley
Catherine Bollinger and
Thomas Scheitlin
Jeffrey S. Clark and
Marion E. Jackson
Linda and Lawrence Curcio
Milton and Nina Forsyth
Robert B. Fudge
Karen Harrison
Charlotte A. Jones-Roe and
Chuck Roe
Mary Beth Fudge Keiter and
Robert Keiter
Kris and Loyd Little
Beverly Anne Newton
Peg Parker
Jim and Arlene Schmidt
Jessica and Charles Tomberlin
JoAnn Yates

Horticulture Therapy/Gala "Call for the Cause"

Sherry Brennan
Sandra Brooks-Mathers and
Mike Mathers
Becky and Munroe Cobey

Bill and Elizabeth Davis
Janet and Jim Dean
Matthew Ellis
Pat and John Evans
Nancy Battle Foster
Jayne Lane Gregory
Susan Henning
Ione and John Lee
Harriet and D.G. Martin
Sandy and Ned McClurg
Gretchen and Michael
Morrissey
Paula Davis Noell
Joyce Pence
Dakota Powell and Matt
Knight
Anne Pusey
Vikram Rao and
Susan Henning
Kent and Nancy Raymond
Sandra and Stephen Rich
Allison E. Savicz and
Tom Daly
Katie and William Stoudemire
David and Terrie Swanson
Carol Tresolini and Tom Fiore
Damon and Sara Waitt
Kirsten Elsa Walter
Jim Ward and
Lynne Wentworth
Bob and Barbara Wendell

Living Plant Fund

Jeffrey S. Clark and
Marion Jackson

Mason Farm Biological Reserve Endowment

Martha Steele Arnold
Jennifer and Jack Boger
John Bryson and
Patricia Clark
William V. Burlingame
Marge and Ed Campion
Stephen and Margaret
Chandler
W. Hugh Craft Jr.
Lisa Day
Beverly and Samuel Dyer
Elizabeth Pullman
Rachel Rempel and
Bruce Sullenger
Therese and Alan Schultz
Mary P. Stephenson

Sculpture in the Garden

Linda Anne McCullough

Seed Collecting Fund

Jimmy and Liz Dodson
Patricia Ann French

UNC Herbarium Building

Sharyn R. Caudell
Gardener to Go
Thomas H. Jones
Anne Whitlock Nielsen
Elizabeth Pullman
The Burch-Safford
Foundation

Gifts, continued

UNC Herbarium General Endowment

Richard and Charlotte Kennedy

Wildflower Program

Brunswick County Master Gardeners Association
Garden Club of North Carolina Inc
John and Marcia Thomas
Barry Richard Zeeberg

Wonder Connection (formerly Healing and Hope Through Science)

Anonymous
Abbey View Farm LLC
Laura Chomiuk and Jay Strader
Elizabeth Dutton
Rodger Flotta
Sarah and Jordan Gatenby
Jill Montaquila
Optimist Foundation of Chapel Hill
Missy and Sam Rankin
Rob and Melissa Tolbert
Richard and Mary Trout
Jean Stewart Wilburn

GARDEN CLUBS

Brunswick County Master Gardeners Association
Chapel Hill Garden Club
Colony Woods Garden Club
Garden Club of North Carolina
Green Thumb Garden Club
Lake Forest Garden Club of Chapel Hill
Raleigh Garden Club

GIFT MEMBERSHIPS

Greg Fitch and John Sweet—for Charlie and Grace Gaenzle, Patrick and Kerry Reed
Lynn Knauff—for Katie Cretin and Sophia Rauda
Charlotte Jones-Roe and Chuck Roe—Benjamin Edward Roe, Mary Hinton, Jess and Andrew L'Roe
Roberta and Douglas Tilden—for Joanne Abel
Susan Turbak—for Arc of the Triangle

IN HONOR OF Madalena Adelino

On the occasion of her birth
Jim and Mary Jo Fickle

W. Woodrow Burns, Jr. and Catharine Gilliam

On the occasion of their marriage
Jonathan and Mary Howes

Joe and Flo Chaffin

Rodger Flotta

Harry Gooder

On the occasion of his 87th birthday
Sally Vilas, *for the Director's Fund*

Evelyn Hines

On the occasion of her 100th birthday
Mary Dexter

Debbie Johnson

On her selection as Outstanding New Member

Raleigh Garden Club

Charlotte Jones-Roe

John and Ione Coker Lee

Mary Coker Joslin

John and Ione Coker Lee

Fred and Mary Kiger

Freddie Kiger, *for Battle Park Fund*

Harriet Wall Martin

Grier and Louise Martin

Jim Massey

Alan S. Weakley
Emily W. Wood

Margo MacIntyre

Jane and Mark Ritchie, *for Coker Arboretum Endowment*

Ken Moore

Green Thumb Garden Club
Holly and John Williams
North Carolina Botanical Garden Staff
Jessica and Charles Tomberlin, *for the Horticulture Fund and General Support*

Addie Schoenberg

Umission, *for School Programs*

Tom and Margaret Scott

Abbie J. Royster

Dot Wilbur-Brooks

Ellen and Charles Johnson

IN MEMORY OF

Ritchie Bell

William Elliott Kirkland

Kate Coble

Rebecca S. Coble

Mary Ann Dinger

David Chaika and Betty Lou Chaika-Hawkins

Sally Dutton Anderson and Anne Dutton Wharton

Elizabeth Dutton, *for Wonder Connection*

Marion Farrar Fleishel

Anne Fleishel Harris

Elizabeth Fudge

Susan and Dwight Bellinger

Jeffrey Clark and Marion Jackson

Robert Fudge

Bill Fudge

Mary Beth Keiter

Kris and Loyd Little

Beverly Anne Newton

Terry Laverne Hawkins

Linda Young Hawkins

Leila Naylor Hensley

Jean Weakley

Jonathan Broome Howes

Michael D. Aitken and Betsy B. Rudolph
Frances Meadows Allen
Delight and Jim Allen, *for the Director's Fund*

Christine and Robert Berndt

Lynn W. Blanchard

Marjorie Broun

Audrey Joyce Booth

Eunice M. Brock and Sam Magill

Margaret and Edmund Campion, *for Mason Farm Endowment*

Jaroslav and Linda Folda
Mia and Keith Gardiner

Dave and Lallie Godschalk, *for the Director's Fund*

Betsy and Joseph Hackney
Judith Huntress Hallman



Charlotte A. Jones-Roe and Chuck Roe, *for the Director's Fund*

Thomas S. Kenan III

Jennifer Elston Lafata

Paul and Caroline Lindsay

Mary Lou Liverance

Jessie E. McIntyre

Pauline Moreau

Judy Murray

Sherri Rho Ontjes

Lisa and David Price

Lynda and James Robinson

Nancy Howes Robinson

Don and Karen Reinfurt

Margaret Anne Rook

James Ronald Schreiber

Tom and Margaret Scott

David and Terri Swanson

Banks Cooper Talley Jr.

Jane and Jack Underhill

Nina Gray Wallace

Peter and Carolyn White

Anna A. Wu

Nancy Loyd Vernon, *for Battle Park Fund*

Charles and Nancy Zimmerli

Robert M. Howes

Sallie S. Robinson

Hazel Estes Hunt

Michael and Marcia Thomas, *for the Wildflower Program*

Sylvia Pence Gatzky

Chapel Hill Garden Club

Cathy Smith Cole

Harriet C. Laskey

Joel I. Laskey

Sam McGee

Sandy Thompson

Judy Reimann Ransbury

Carol and Francis DeYoung, *for the Director's Fund*

Jim and Lynda Reimann, *for the Director's Fund*

Mary Reimann, *for the Director's Fund*

Karla Reed

Brenda B. Lazarus, *for the Children's Wonder Garden and General Support*

David Robert

Julie and Steve Williams

Lisa Soong

Martha Ann Propst

Dorothy Sorrill Roe

Judy and Sandy Steckler, *for the Conservation Fund*

Myra L. Stang

Triangle Community Foundation

Nancy "Teeny" Stronach

Frances Meadows Allen

Gray Proctor Clark

Janet and James Corcoran

Phyllis Slick Cowell

Gretchen Cozart

Sallie Neal Cozart

Frances Harrison

Cronenberg

Jean and Hayward

Edmundson IV

Jean Cameron Grainger

Thomas W. Graves Jr.

Josephine V. Harrison

Charlotte A. Jones-Roe and Chuck Roe

Louise Jenkins Maybank

Lossie T. Noell

Elizabeth Kirkland Peters

Lacy and Sydnor Cozart

Presnell

Benjamin Thorp Smith III

and Edward A. Preston

Louise Clark Strauss

Caroline Trask

Mary C. Woodard

David N. Thompson

Charles and Patricia

Thompson

Michael Alexander Weiner

Rachel Victoria Mills

Margaret Westmoreland

Joseph Westmoreland, *for the Children's Wonder Garden*

Alice Zawadzki

Frances Meadows Allen

Charlotte Jones-Roe and

Chuck Roe

MATCHING GIFTS

Abbott Fund—matching the gift of Larry Howard

GlaxoSmithKline—matching the gifts of Linda J.

Dawson, Andrew T.

Maynard and Antonia M.

Valakas

IBM Corporation—matching the gifts of Anthony A.

Amitrano, Edward G.

Britton, William O. Camp,

Ralph H. Earle, Mary E.

Sturgeon, Susan Strine and

Grant B. Varner

McKesson Foundation—

matching the gift of Cheryl

and Chris Klein

Merck & Company—

matching the gifts of

Sylvianne Roberge for

General Support and of

Joseph R. Westmoreland

for the Children's Wonder

Garden

Sherwin-Williams

Company—matching the

gift and volunteer hours

of Jim Schmidt for the

Horticultural Fund

IN-KIND GIFTS

Marlene Kinney—botanical

and horticultural books

Thomas Krakauer—

botanical prints

Howard Stang and family—

Lowe's gift cards for

for Carolina Campus

Community Garden

RECURRING GIFTS

Saianand Balu, *for the Forest*

Theatre Fund

Emma Morris Beckham

Jo Ellen Brandmeyer

Linda Convissor and

Bruce Guild

Greg Fitch and John Sweet

Diane Frazier

Libby Grey, *for Coker*

Arboretum and General

Support

Harold Keith Hill

Linda and Paul Naylor

Bruce and Cynthia Runberg

Monica Riley Samsky

Cynthia Keck Scott, *for the Tom*

and Margaret Scott Fund

Richard and Anita Wolfenden,

for Mason Farm Biological

Reserve

Alice Zawadzki

Staff Notes

Welcome, Patti! Patti Smith, the Garden's new membership assistant, was born in Brooksville, Florida, but grew up in Durham where she moved with her family at the age of eight. Patti attended UNC-Chapel Hill, and received a bachelor's degree in art history last year. In her spare time, Patti enjoys working in photography and writing, as well as studying history and historic preservation. Prior to taking her position here in June, Patti worked for 14 years at Preservation North Carolina. Patti says that the staff here at the Garden is wonderful, and she is excited to be a part of all that the Garden accomplishes.



Welcome, Aislinn! Aislinn Spain, our new events manager, grew up in High Point, North Carolina. She earned her undergraduate degree from the University of North Carolina at Chapel Hill, then returned to the Triad to manage events for Grassroots Productions in Greensboro. She now lives in Durham with her husband and cat. In her spare time, Aislinn enjoys reading books, attending concerts, and traveling. She says she feels welcome at the Garden because the staff has gone out of the way to help and answer questions.



Welcome, Julia! Julia Wall, a native of Wilmington, North Carolina, is our new horticultural assistant. She began working here in 2009 as a work study student while she attended the University of North Carolina at Chapel Hill. She left in 2013 after graduating from UNC, but returned to the Garden in May after working in video editing over the last two years. Some of Julia's hobbies include photography, bike riding, and playing in the dirt, which is one of the things she enjoys most about taking her horticultural position at the NCBG. Julia says that the Garden is beautiful, and she loves being able to spend time outside and work with the wonderful staff here. Welcome, Julia!



The **Chapel of the Cross** made an in-kind donation of office space and infrastructure support to the North Carolina Botanical Garden and Coker Arboretum staff. For the first time in decades, the Arboretum staff has a space in which to keep books, maps and plans. The space allows us to work at our desks in a climate-controlled environment rather than the basement of Davie Hall with the tools and lawn equipment. The room is large enough to spread maps out and do larger projects indoors, just steps away from the Arboretum. We are grateful for this generous donation!



Former Botanical Garden Foundation secretary and UNC Herbarium curator and director Jim Massey was featured in the August 16th Raleigh *News and Observer* for his gift of his extensive folk art collection to the Small Museum of Folk Art in Pittsboro. Dr. Massey continues to provide wisdom and encouragement to the Garden staff and to cultivate plants and creativity in Haywood Gardens near Moncure, North Carolina.



A special shout out to our summer interns. We couldn't have done all we did this summer without you or the donors who made these internships possible!

What's New in the Garden Shop?

Children's T-shirts! ...and cutting boards, tea towels, jewelry, handmade buttons, and so much more! We are frequently adding new items in preparation for the holiday season. Stop by to see for yourself!



The Carolina Campus Community Garden, which teaches students gardening skills and provides fresh produce to UNC's lowest paid employees, received very significant contributions from an anonymous donor and from the **Newman Catholic Center** to help with its efforts. The project has also received a gift with which to construct a greenhouse to extend the growing season.

Botanists **Robert Wyatt** and **Ann Stoneburner** have decided to honor Robert's professors, UNC botanists C. Ritchie Bell and Albert E. Radford, by establishing a named endowment to support NCBG travel and graduate students' native plant research. **The Burch – Safford Foundation** made a \$5,000 gift to help move the new UNC Herbarium toward construction. **The Garden Club of North Carolina** made a gift in support of the Wildflower Program. **John Robert Staelin** made another gift for the Education Center, for which we are grateful.

Garden members find many ways to help us accomplish our mission. The Battle Park Endowment, now with a basis of more than \$227,000, received many gifts including contributions by **Bet and Sandy McClamroch, David and Joan Guilkey, Eleanor Broadus, Kathryn Clancy, and John and Alice May.**

This summer's *Saving Our Pollinators* exhibit was possible thanks to major sponsorship from **Burt's Bees' The Greater Good Foundation.** In addition, **Cindy and Tom Cook, Barbara Driscoll, Anne Harris, Glenda Parker Jones, Charlotte**

Jones-Roe, The Krakauer Family Fund, Missy and Sam Rankin, and the Whaley Family Foundation made gifts to support the project. This important exhibit and accompanying programs brought together many partners and continues to fascinate visitors and educate program participants about the importance of native plants and pollinators.

The Garden has lost several good friends since our last *Newsletter*. Our interim director Jonathan Howes died a short time after the summer *Newsletter* went to press. We are grateful for Jonathan's guidance through the transition of leadership at the Garden and his many years of service on the Botanical Garden Foundation Board. We were fortunate to have the benefit of his administrative experience, and we miss his warmth, wit, and wisdom. Alice Zawadzki, a member of the Garden and fervent supporter of native wildflowers and many cultural and environmental causes, will be remembered for her love of nature, her colorful hats and costumes, her irrepressible spirit and her ability to make everyone feel loved and included. We also lost a Garden friend of five decades, Nancy "Teeny" Stronach. Teeny was one of the members of the North Carolina Wild Flower Preservation Society (now the North Carolina Native Plant Society) who took hikes with Dr. Roland Totten and provided generous financial support and steadfast encouragement to the Garden staff over the years. Teeny served as a member of the Botanical Garden Foundation board and as a lifetime honorary board member. The Garden is better and our lives are richer for having had friends like these.

With thanks for the many ways you support the Garden,



Charlotte Jones-Roe
Director of Development
919-962-9458
jonesroe@unc.edu



Leave a Legacy...

If you would like to speak with someone about making a special gift to the Garden, call Charlotte Jones-Roe at 919-962-9458 or UNC's gift planning experts at 800-994-8803. unclegacy.org

In the DeBerry Gallery

through November 1

Native Flowers - Gifts of Pollinators

Photographs by John Pringle

November 3 - January 3

Bonsai. Organic Shapes, Natural Forms

Pen and Ink on Paper by Kent H. Raymond, MD



Address Service Requested

 **How to know if your Dues are Due?**

Check your membership renewal month & year, posted above your name and address.

Use enclosed envelope to renew! THANKS!

Volunteer Appreciation Lecture

Thursday, November 19, 12-1 pm
Reeves Auditorium

Join us for our annual
**Volunteer Appreciation
Lecture from Director
Damon Waitt. Bring your
lunch, and we will provide
dessert & coffee.**

**RSVP by November 17 to
bwendell@email.unc.edu**

Coming to the Pegg Exhibit Hall in November...

Winter Spectacle
an exhibit about
Native Plant Studies and Botanical Art & Illustration

35th Annual Holiday Party

Sunday, December 13, 3-5 pm

*Eleanor Smith Pegg Exhibit Hall of the
James & Delight Allen Education Center*

Join us for a festive winter holiday celebration at the Garden. Our holiday tree will be decorated with original handmade ornaments. Bring a plate of your favorite seasonal treats to share. We will provide mulled cider and punch as well as music and a special raffle for this special member event.

Also, please bring a nonperishable food item to contribute to a collection for a local food pantry.

P.S. The Judy and Burke Davis Gift Shop will be open for holiday purchases: books, note cards, table linens, garden gloves, t-shirts, and more.