Following in the Bartrams’ Footsteps

August 30-November 2
Celebrating Trailblazing American Naturalists
John and William Bartram

We are pleased to host our largest and most ambitious exhibition to date, Following in the Bartrams’ Footsteps, a juried exhibition of 44 original contemporary plant illustrations illuminating the historical, artistic, and botanical influence of 18th century father/son naturalists John and William Bartram.

John Bartram (1699-1777) and his son William (1739-1823) were Quaker naturalists and explorers lit with “botanical fire” that led them to traverse the American colonies’ eastern wilderness from the 1730s to the 1790s discovering and documenting for the first time the remarkable flora, fauna, and American Indian culture of the southeastern U.S., including North Carolina. Their findings became the basis for international scholarship, and son William’s travel journal of drawings, notes, and careful observations of nature—Travels, published in 1791—is regarded as an American natural history classic.

The Bartrams’ central role in defining American natural history, botany, literature, and poetry is unparalleled and recognized by scholars around the world. Their studies of the American Indian have been cited

cont’d on page 6 >>

The Soo Foundation provides funds for new Herbarium

We are extremely pleased to announce that The Soo Foundation has made a very generous contribution in honor of Dr. Dixie Soo to help plan and construct a new UNC Herbarium. The gift, directed by Dixie’s husband, Dr. L.Y. Soo, and their adult children, Ken, Cathy, Jeff, and Michael, celebrates Dr. Soo’s scholarship and interest in botany after her retirement from her career as a neurologist. The Soo family’s gift is the largest we have received for the new “Center for the Study of Southeastern Plants.” It will add to previous gifts for the Herbarium and be tremendously helpful in updating the design and making it green and sustainable. The Soo family’s contribution will focus attention on the Herbarium and its impressive work, and, we hope, attract additional gifts to support a much-needed new facility.

Sculpture in the Garden
Sept. 21 - Dec. 7...details page 19

Fall is for Planting!
Plant Sale
September 26 & 27...details page 3
Science and Art in the Garden

Since we moved into the James & Delight Allen Education Center five years ago, there has been a great flowering of educational programs, and this fall you are in for a treat! First, we have a series of programs focused on a pair of Philadelphia Quaker botanists, John Bartram and his son William. Also this fall, our annual Sculpture in the Garden exhibit will feature Artist-in-Residence, acclaimed sculptor Patrick Dougherty.

John and William Bartram explored the goldmine of plant diversity in North America in the 1700s, and they were especially drawn to the Southeast. John was the matter-of-fact observer, making discoveries, writing lists, and sending seeds back to Europe. His son accompanied him on expeditions in the South and then became an explorer in his own right.

John Bartram was plowing in his fields one day when he bent down to pick up an Aster flower. He was overwhelmed with its intricate detail. No matter how closely he looked, there was more to see. If you’ve taken our botanical classes, you know the sunflower is in the Aster family, characterized by many very small flowers aggregated in heads—every seed on a sunflower disk (or head) is from a different flower. There are showy ray flowers, each with a strap-shaped petal along the edge, while in the center of the sunflower, there are dozens of small disk flowers, each with five small triangular petal lobes.

Before the world of digital cameras, naturalists were also trained artists. Think of John Audubon, but think also of William Bartram. Our educational center will feature an exhibit in which contemporary botanical illustrators depict plants associated with Bartrams, and our horticultural staff will highlight the living plants in the Garden as well. But even compared with digital cameras, illustrators can make more detailed and prominent the parts of a plant that are a key to understanding its biology and identification!

And here we must quote John Bartram in one of his letters to an English horticulturist, a quote many botanists know for obvious reasons: “My son William is just turned of sixteen. It is now time to propose some way for him to get his living by...I want to put him to some business by which he may, with care and industry, get a temperate, reasonable living. I am afraid that botany and drawing will not afford him one, and hard labour don’t agree with him.” William did just fine!

Far from matter-of-fact, William was inspired and enthusiastic about the beauty and joys of discovery, and his avid curiosity is infectious. He explored the landscape at a time when European settlers were usually near coastlines and rivers and the interior was the domain of American Indian towns and villages, as well as old growth forests with giant trees. His book *Travels* was to become a classic nature travelogue that was loved by Thoreau and Darwin, in fact, inspiring Darwin’s own *Voyage of the Beagle*. Bartram’s firsthand account of a very different time is full of enthusiasm, and it’s still in print today.

We will hold a book club discussion of this work on September 4. And on October 19, we will host a discussion with the author of *Cold Mountain*, Charles Frazier, whose book’s main figure travels back to North Carolina with a copy of Bartram’s *Travels*. This certainly illustrates the importance of a “sense of place” to southern writers and to all good art!

If William worked from science to art, in Patrick Dougherty’s work we see an artist working in the other direction—from the form and beauty in the natural world to something that approaches organic and ecological. Patrick weaves stems and sticks from nature (and removing these also helps add light for the rare plants in Garden forests that have become crowded and shaded by succession). Nature inspires him in many directions from giant ribbons and vines to habitats and structures. And what he sees in our landscape will result in a unique work of art for us, created as you watch and never to be exactly replicated anywhere.

I’m out of space, as usual! You’ll have to go to our website, and sign up for classes early and often through our online registration!
Fall is for Planting Annual Plant Sale
by Matt Gocke, NCBG Greenhouse and Nursery Manager

It’s been a great year in the North Carolina Botanical Garden nursery despite the “polar vortex” cold of this past winter and our early summer drought. July and August’s rains and cooler temperatures allowed the nursery staff to turn its focus from endless watering to preparing for the Garden’s annual Fall Plant Sale!

This year, we are excited to offer a healthy crop of over 150 species of southeastern native plants. During an evening of music, food, and drink on Friday, September 26, 5 - 7:30 pm, members are invited to enjoy the first opportunity to purchase the Fall Plant Sale’s offerings. Non-members can become members at the entrance to this evening sale. The Fall Plant Sale will be open to everyone Saturday, September 27, 9 am - noon. Members will receive a 10% discount both days.

All proceeds from this sale provide funding for nursery operations and several part time garden staff members. We couldn’t thrive without your sustained support. We hope to see you all at the sale this fall!!

If you can’t wait for the sale, please stop by and check out our selection of native plants offered at our Daily Plant Sale, open seven days a week, just outside the Garden Shop. Thanks!

A Gardener’s Journal

A sampling of this year’s native plant offerings...

**Perennials / Drought tolerant / Sun to part sun**
- Asclepias amplexicaulis (Clasping milkweed)
- Asclepias tuberosa (Butterfly milkweed)
- Asclepias verticillata (Whorled milkweed)
- Baptisia albens (Spiked wild indigo)
- Phlox nivalis (Pineland phlox)
- Pycnanthemum tenuifolium (Narrow-leaf mountain-mint)

**Perennials / Average to moist soil / Sun to part sun**
- Asclepias incarnata (Swamp milkweed)
- Eutrochium fistulosum (Hollow-stem Joe Pye-weed)
- Hibiscus moscheutos (Swamp hibiscus)
- Kosteletzkya virginica (Seashore-mallow)
- Lobelia cardinalis (Cardinal flower)
- Lobelia puberula (Downy lobelia)
- Rhexia virginica (Meadow-beauty)
- Scutellaria incana (Hoary skullcap)

**Perennials / Average to moist soil / Part sun to shade**
- Asarum canadense (Wild ginger)
- Asclepias exaltata (Poke milkweed)
- Chrysogonum virginianum (Green-and-gold)
- Gentiana catesbaei (Elliot’s gentian)
- Phlox divaricata (Cardinal flower)
- Festuca rubra (Downy fescue)
- Sanguinaria canadensis (Bloodroot)

**Shrubs and Trees / Drought tolerant**
- Amorpha herbacea (Dwarf Indigo-bush)
- Ceanothus americanus (New Jersey-tea)
- Pinus palustris (Long-leaf pine)

**Shrubs and Trees / Average to moist soil**
- Asimina triloba (Common pawpaw)
- Callicarpa americana (American beauty-berry)
- Hydrangea arborescens (Smooth hydrangea)
- Itea virginica (Virginia sweetspire)
- Kalmia latifolia (Mountain-laurel)
- Magnolia virginiana (Sweet-bay)
- Rhododendron arborescens (Smooth azalea)
- Rhododendron periclymenoides (Pink-flower)
- Taxodium ascendens (Pond cypress)

**Vines**
- Ampelaster carolinianus (Climbing-aster)
- Aristolochia macrophylla (Pipevine)
- Aristolochia tomentosa (Wooly Dutchman’s-pipe)
- Clematis viorna (Leatherflower; Vasevine)
- Gelsemium sempervirens (Carolina jessamine)
- Wisteria americana (American wisteria)

**Ferns**
- Athyrium asplenioides (Southern lady fern)
- Adiantum pedatum (Northern maidenhair)
- Thelypteris kunthii (Southern shield fern)
- Polystichum acrostichoides (Christmas fern)

**Grasses**
- Muhlenbergia capillaris (Hairgrass)
- Schizachyrium scoparium (Common little-blue stem)
- Panicum virgatum (Switchgrass) cultivars

**Carnivorous plants**
- Saracennia (pitcher plant) species and hybrids
- Drosera tracyi (Tracy’s sundew)
- Dionaea muscipula (Venus flytrap)
It must have been moonglow…

… that made for some powerful magic during the third annual Carolina Moonlight Gala, sponsored by the Botanical Garden Foundation at the North Carolina Botanical Garden. What alchemy, with a waxing gibbous moon in an indigo sky, and Japanese paper moon-lanterns appearing to float across the gardens.

Feedback has been unanimous—this year’s Gala was the best sustainable garden party yet. Close to 280 guests enjoyed delectable food, drink, and live music while making last bids in the online silent auction. Honorary Chair UNC Chancellor Carol L. Folt spoke briefly to Gala guests prior to an exciting live auction conducted by Leland Little of Hillsborough. The moonlit calm blended with the electricity of the auction to create an evening of great success in this latest fund-raising effort by the Garden’s support foundation.

Gala 2014 raised 17 percent more funds than Gala 2013. Many thanks to our generous sponsors, donors, guests and auction bidders for contributing to the success of the Gala!

Grace Camblos again made wonderful photos of our event, and we have posted many of them in an album on the Garden’s Facebook page. (http://tinyurl.com/moonlightgala2014)

Mark your calendars: You are invited to attend Carolina Moonlight Gala 2015, set for Saturday, June 6. Planning is already underway. If you would like to help, either through a sponsorship or by serving with a great group of people on the Gala Committee, we would love to hear from you. Please contact me (sandra.roseum@gmail.com) for more information.

Sandra Brooks-Mathers
Co-Chair, Carolina Moonlight Gala 2014
A few weeks ago, I had the opportunity to hike with a group of volunteers on North Carolina’s Mountains-to-Sea Trail (MST), and this experience reminded me of the importance of one of our Botanical Garden’s greatest assets.

The MST was conceived in 1977, and will eventually zigzag 1,000 miles across this state from the Great Smoky Mountains to Jockey’s Ridge on the Outer Banks. Much like the Appalachian Trail model on which it was based, the MST passes through state, federal, and private lands. Trails are laid out and maintained by an energetic corps of volunteers, both young and old. Their work is not glamorous – cutting away fallen trees, stopping erosion, and removing invasive plants.

During my time on mountain trails, I passed through rich cove forests, over rocky outcrops and high mountain balds. The annual July wildflower show, made even better this year by abundant rain, was at its peak. There were magnificent Turk’s Cap Lilies stretching from five to eight feet into the sky and patches of red Bee Balm buzzed by squadrons of hummingbirds. In several places I could smell the perfume of Common Milkweed long before I saw their pink blooms. Along stretches of trail, dense carpets of fern and running cedar stretched out hundreds of feet. There was one thing, however, I did not see on the trails. There are no plaques celebrating the volunteer heroes, without whom the MST would not exist.

The wildflowers and native plants thrive in many places along the trail as a direct result of the work of volunteers. By maintaining pathways from the mountains to the coast, MST workers are also “gardeners” who support North Carolina’s rich biodiversity.

On my return trip to Raleigh, it dawned on me that many of the things I love most about North Carolina—our state parks, museums, libraries, and the North Carolina Botanical Garden—would not exist without the thousands of hours given by dedicated women and men. Here at the Garden, the people working behind the information desk, helping patrons in the gift shop, crafting publicity materials for the Moonlight Gala, sorting seeds of rare plants, providing tours, and maintaining trails in Battle Park are all volunteers. As with the Mountains-to-Sea Trail, there are no plaques at the Garden celebrating these stewards of the Earth who make all our lives richer. The Garden is fortunate to have the most knowledgeable and hardest working staff in North Carolina, and their work is amplified tenfold by unsung volunteers.

The next time you see something magnificent at the Garden, sit on a newly repaired bench in Battle Park, or ask the Herbarium for help in identifying a rare plant, be sure to thank the staff. Even more important...applaud the nearest volunteer!

The North Carolina Botanical Garden, like the Mountains-to-Sea Trail, is made possible by countless hours of work by dedicated volunteers. The Botanical Garden Foundation, Inc. is the 501(c)3 non-profit organization that raises money for the North Carolina Botanical Garden, a part of the University of North Carolina at Chapel Hill.
by ethnographers and anthropologists as definitive sources for an early, and otherwise unrecorded, period of U.S. cultural history. Their impact on English romantic poets and writers during the early 19th century has been recognized by literary historians and the writers themselves. Arguably the most important of the hundreds of plants they discovered was the Franklin tree, Franklinia alatamaha, now believed to be extinct in the wild, as well as the fascinating Venus flytrap, found only in North and South Carolina.

Following in the Bartrams’ Footsteps brings the fire of the Bartrams’ discoveries to light. This major juried art exhibition, organized by the American Society of Botanical Artists and Bartram’s Garden in Philadelphia, features contemporary botanical illustrations of plants discovered by this remarkable father and son duo. Two featured illustrations are by Bill Alberti and Maryann Roper, graduates of the NCBG Botanical Art and Illustration Certificate Program.

Over 25 educational programs, special events, and workshops with scholars, writers, and artists are planned, illuminating the Bartrams’ enduring influence on generations of artists and explorers throughout the world. Featured literary guests include Andrea Wulf, New York Times bestselling gardening expert and author of Founding Gardeners: The Revolutionary Generation, Nature, and the Shaping of the American Nation on Sunday, September 28, and National Book Award-winner Charles Frazier, author of Cold Mountain, on Sunday, October 19.

The indoor exhibition extends outdoors with opportunities to explore the Garden and nature trails and view plants discovered by the Bartrams, including many depicted in the exhibition. Self-guided and docent-led Garden tours, which include a carry-along compendium of poetic musings by John Bartram of the plants and landscape, are available for the half-mile NCBG Nature Trail loop.

Plan to attend the Sunday, September 7 opening reception with Carol Woodin of the American Society of Botanical Artists as she discusses how the exhibit illuminates the Bartrams’ natural history contributions that transformed our historical understanding of the southeastern U.S.

See a list of events on page 12. Full program details and registration can be found on the web at ncbg.unc.edu/bartram; by phone (919) 962-0522; or email at bartram@unc.edu.

How to make a stock gift to the North Carolina Botanical Garden!
It’s as easy as 1...2...3...

1. Your broker may electronically transfer stock to:
UNC-Chapel Hill’s Wells Fargo Account #: 8999-4225,
Account Name: UNC Chapel Hill: DTC # 0141

2. You or your broker should call UNC development (Tina Zimmerman, 919-962-8189) and leave your name; address and phone number; type of stock; and number of shares; AND you should say that you want your gift to go to the North Carolina Botanical Garden. If the gift is restricted for a particular use, say what the Garden designation is and how much is to go for which purpose.

Note: Your receipt for tax purposes will reflect the average market value on the date of your donation.

3. Please call and leave a message or email Charlotte Jones-Roe (919-962-9458) or jonesroe@unc.edu, with the same details. That will help us watch for your gift and make sure it goes in the right account. (It also makes us very happy to be the first to know!) 😊

Thank you very much for thinking of the Garden!
Update: Removal of Chameleon Plant
by Margo MacIntyre, Curator, Coker Arboretum

Gardening is a job of nurturing, coaxing, and observing. More often, however, it is a job of eliminating. It is actually a little disturbing how much time we spend getting rid of things. Our weeding tasks, though plentiful, usually involve hand-pulling small and medium-sized annual weeds from numerous beds. Other times, it’s all out battle.

Our task of removing chameleon plant, *Houttuynia cordata*, is well within the category I call battle. Plants and weeds come into the garden on purpose and by accident. The weeds often masquerade as desirable garden perennials only to show their true colors months or years later. This is the case with chameleon plant which was added to the gardens in Coker Arboretum in the past 15 or so years. Usually bought as a multi-colored ground-covering Asian perennial, it often reverts to an all green thug with roots 12 inches deep. In 2011, I addressed the removal of this plant in the Newsletter, and this is an update.

Efforts to eradicate this ever-expanding pest ranged from hand-digging, applying herbicides of varying degrees of toxicity, and smothering. For two months several years ago, one patch of chameleon plant was painstakingly dug from under roots and stepping stones. Now, three years later, little starts are still popping up, but it’s on its way out.

Our other patch is in a more root-filled area and this type of removal would forever damage the trees around it. Earlier this summer, we removed desirable perennials from the area, chopped the chameleon plant to the ground, covered the area with cardboard, and then mulched with four inches of shredded hardwood mulch.

This assault took place in early June. Now, in early August, a fresh garden of chameleon plant is emerging through the cardboard and mulch, and new attempts to kill it are underway. Herbicide is never the first line of defense in the Arboretum, and as mentioned, several control techniques were employed before using herbicide. Since a sizable patch of this plant emerged, it seemed that spraying would knock it back more efficiently and completely than hand-pulling the tops. The hope is that herbicide sprayed on the new leaves will translocate into the foot-deep roots and eventually wear the plant out. In the meantime, the area is barren and we will wait to see how soon we can plant a new garden in the space.

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.
Saprochaete saccharophila – When is an Alga not an Alga?!

by Van T. Cotter, Herbarium Associate, University of North Carolina Herbarium

In 2011, an explosion of filamentous white growth occurred in Ivy Creek, near Seaboard in Northampton County, North Carolina. Ivy Creek received storm water pollution from two wood processing facilities upstream. “For the first time in the history of our biological assessment team, our survey found no benthic macro-invertebrates in the creek,” says Mark Vander Borgh, an algal ecologist with the Division of Water Quality in the NC Department of Environment & Natural Resources. These invertebrates are indicators of water quality at the bottom of a body of water. He identified the white slime as Saprochaete saccharophila, a fungus native to North Carolina. What is the nature of this organism that it could thrive in such polluted waters?

S. saccharophila was discovered in 1937 in a stream polluted with seepage from a burning sawdust pile in northern Chatham County, NC by Dr. William Chambers Coker, Professor of Botany and founder of the Herbarium at UNC-Chapel Hill. S. saccharophila is now recognized to be an indicator of organic pollution in aquatic ecosystems, and it has been found thriving on brewery wastewater discharges in Czechoslovakia and on compost operation discharges in Canada.

Interestingly, scientists argued for over 30 years as to whether Saprochaete was a fungus or an alga. In fact, when Coker and graduate student Leland Shanor described the organism in 1939, they rather successfully straddled the taxonomic fence by titling their paper “A Remarkable Saprophytic Fungoid Alga.”

Coker and Shanor recognized that the organism was unusual for a green alga since it did not have chlorophyll and could not make its own food from sunlight as algae typically do. Instead, Saprochaete lived as a saprophyte, obtaining nutrients from dead/decaying matter. They also recognized the lack of cellulose in the cell walls and lack of plastids, both of which would be expected in a green alga. Nonetheless, based on its algal-like form and their negative results for chitin (the main component of cell walls in fungi), they concluded that it was a bona fide green alga, albeit one that had lost its photosynthetic apparatus. Given the unusual nature of the organism, Coker and Shanor created a new genus and family, Saprochaete and Saprochaetaceae, for it, the names likely derived from ‘saprophytic ‘Chaetophoraceae-like organism as they felt its nearest relatives were in the green algal family the Chaetophoraceae. The specific epithet saccharophila was chosen based on the organism’s growth in waters only containing high levels of reducing sugar.

For decades, scientists argued whether Saprochaete was truly a green alga (without the green) or a fungus. Then in 1969, Clinton Dawes took a close look at the organism and pronounced that it was a fungus based on ultrastructure, food reserves of glycogen and lipid rather than starch, and, using a more precise assay, the presence of chitin in the cell walls. He described the macroscopic growth as having “the appearance of a mold with a lot of slime,” but admitted that the microscopic growth form was algal-like.

Saprochaete saccharophila was formally re-described as a fungus by Wagner and Dawes in 1970 based on the weight of the evidence. It took 30 years for scientists to come to terms with this intriguing chimeric organism with characteristics of both fungi and algae. Recent molecular work has confirmed that Saprochaete saccharophila is indeed a fungus and resulted in 13 additional fungi being assigned to this genus.

Coker and Shanor would be proud that their “remarkable plant” is used by environmental scientists to gauge the health of aquatic systems in North Carolina and around the world.

Dr. Van Cotter retired in 2012 as fungicide nematocide biology group leader at FMC Agricultural Products. He is a consulting plant pathologist & mycologist, and he has been an associate of the University of North Carolina Herbarium since 2013.

Certificate Courses, Fall 2014 Semester

Full descriptions of these Certificate Courses are on our website—ncbg.unc.edu/calendar/

= No prerequisites—open to all!

Native Plant Studies

Bartram’s Travels: A Book Review
Peter S. White, NCBG Director
Thursday, Sept. 4; 7–9pm
$10 ($15 Members)

Native Seed Propagation
Heather Summer, NCBG Seed Technician
Saturday, Sept. 13; 9:30am–12:30pm
$40 ($35 Members)

Native Edible & Medicinal Trees of the NC Piedmont
Kim Calhoun, Herbalist
Tuesdays, Sept. 23, 30, Oct. 7, 14; 1–4pm
$125 ($115 Members)

Pollination
Anne Lindsey, Botanist
Saturdays, Sept. 6, 13, 20, 27; 9:30am–12:30pm
$125 ($115 Members)

Soil Ecology
Nicolette Cagle, Ecologist
Saturdays, Nov. 1, 8, 22, Dec. 6; 9:30am–12:30pm
$125 ($115 Members)

Intermediate Drawing
Kathy Schermer-Gramm, Professional Artist
Tuesdays, Oct. 7, 14, 21, 28; 1–4:30 pm
$125 ($115 Members)

Intermediate Colored Pencil
Linda Koffenberger, Professional Artist
Wednesdays, Oct. 15, 22, 29, Nov. 5; 1–4:30 pm
$125 ($115 Members)

Retro Bartram: Creating a Watercolor “Master from the Past”
Kathy Schermer-Gramm, Professional Artist
Saturday, Oct. 18; 9:30am–4pm
$65 ($55 Members)

Advanced Watercolor for Illustrators
Kathy Schermer-Gramm, Professional Artist
Tuesdays, Nov. 4, 11, 18, 25; 1–4:30 pm
$125 ($115 Members)

Edibles on Paper: Squash and Pumpkins in Watercolor
Kathy Schermer-Gramm, Professional Artist
Saturday, Nov. 15; 1–4:30 pm
$40 ($35 Members)

Full descriptions of these Certificate Courses are on our website—ncbg.unc.edu/calendar/

= Bartram program

Botanical Art & Illustration

Plein Air
Brenda Behr, Professional Artist
Mondays, Sept. 8, 15, 22, 29; 9:30am–12:30pm
$125 ($115 Members)

Beginning Watercolor
Kathy Schermer-Gramm, Professional Artist
Tuesdays, Sept. 9, 16, 23, 30; 1–4:30 pm
$125 ($115 Members)

Fall Leaves in Colored Pencil
Linda Koffenberger, Professional Artist
Sunday, Oct. 5; 1:30–4:30pm
$40 ($35 Members)

Field Sketching
Kathy Schermer-Gramm, Professional Artist
Mondays, Oct. 6, 13, 20, 27; 1–4:30pm
$125 ($115 Members)

Intermediate Colored Pencil
Linda Koffenberger, Professional Artist
Wednesday, Oct. 15, 22, 29, Nov. 5; 1–4:30 pm
$125 ($115 Members)

Intermediate Watercolor Techniques: Wet and Wild
Kathy Schermer-Gramm, Professional Artist
Mondays, Nov. 3, 10, 17, 24; 10:30am–1pm
$125 ($115 Members)

Composition
Patricia Savage, Professional Artist
Sundays, Nov. 9, 16, 23; 1:15–4:45 pm
$125 ($115 Members)

Introduction to Mushrooms
Rytas Vilgalys, Dept. of Biology, Duke Univ.
Saturday, Nov. 1; 9:30am–4:30pm
$70 ($65 Members)

Plant Taxonomy
Milo Pyne, Plant Ecologist
Friday, Oct. 24, Nov. 7, 14, 21; 1–4pm
$125 ($115 Members)

Winter Flora
Ken Moore, NCBG Asst. Dir. Emeritus
Sundays, Jan. 18, 25, Feb. 1, 8; 1:45–4:45pm
$130 ($115 Members)

NEW! Family Gardening Series
(ages 4+ with adult)
Educator: Sara Hirsch, Environmental Educator
Fee, per child: $8 ($7 Members)

Diggin’ Fall Vegetables
Saturday, Sept. 20; 10-11:15am
Learn which vegetables to grow in fall and help us get the garden ready for planting! Children will help prepare beds and plant seeds, make their own “seed tape” to take home, and sample a few treats from the fall garden.

Pumpkin Harvest
Saturday, Oct. 18; 10-11:15am
Explore what’s growing in the fall garden and help us harvest mini pumpkins! Each child will decorate their own pumpkin to take home, hear stories about the pumpkin life cycle, and sample a garden treat.

Scarecrows
Saturday, Nov. 15; 10-11:15am
We need a scarecrow to keep pests out of the vegetable garden! Help us build a scarecrow, explore and taste from the growing fall garden, and learn about some of the animals who are just as interested in the plants as we are!

Ready for Winter
Saturday, Dec. 13; 10-11:15am
Winter is coming and we need help putting the vegetable garden to bed! Learn about what happens to a garden in winter, what work needs to be done to be ready for spring, and enjoy planting some cold season veggies. We will also have the opportunity to sample garden treats.

Registration is Online!
http://ncbg.unc.edu/calendar/

To enter our secure registration site.

Youth & Family

Youth & Family programs are listed on page 11.

More Youth & Family programs are listed on page 11.

= Bartram program
Bartram’s Travels: A Book Review
Peter S. White, NCBG Director
Thursday, Sept. 4; 7–9 pm
$15 ($10 Members)

Pollination
Anne Lindsey, Botanist
Saturdays, Sept. 6, 13, 20, 27; 9:30am–12:30pm
No prerequisites. $125 ($115 Members)

Native Seed Propagation
Heather Summer, NCBG Seed Technician
Saturday, Sept. 13; 9:30am–12:30pm
No prerequisites. $40 ($35 Members)

Native Edible & Medicinal Trees of the NC Piedmont
Kim Calhoun, Herbalist
Tuesdays, Sept. 23, 30 & Oct. 7, 14; 1–4pm
No prerequisites. $125 ($115 Members)

Early Autumn at Mason Farm
Saturday, Oct. 4; 1–3:30pm
Ed Harrison, Naturalist
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. Meet at the NCBG visitor parking lot at the Reserve. Wear sturdy hiking footwear and carry a walking stick if you use one, as well as water. $15 ($12 Members)

Peak of Autumn at Penny’s Bend
Saturday, Oct. 25; 1–4:30pm
Ed Harrison, Naturalist
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. Meeting place will be sent to you after registration. 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. $15 ($12 Members)

Winter Bird Walk around and through the Big Oak Woods
Haven Wiley, Professor Emeritus of Biology and Ecology, UNC-Chapel Hill
Saturday, Nov. 8; 8–10am
Join Haven, who specializes in animal behavior and ecology, for a winter bird walk at Mason Farm Biological Reserve. Participants will look for woodpeckers, sparrows, and the newly arrived winter birds. $15 ($10 Members)

= Bartram program

Advance registration is required for all programs unless otherwise indicated! ncbg.unc.edu/calendar/
**Lunch & Learn Series**

Bring your lunch and join us for a free lecture! Advance registration required.

**Sketching Nature:** Biological Illustration in History
Jennifer Dallmeyer, NCSU Professor and Artist
Thursday, Sept. 11; 12–1pm

Landin, a biology professor and nature artist, will discuss how paintings of birds, insects, and botanicals have advanced our scientific understanding, and ponder the function of biological illustration today.

**From Plant to Illustration: Botanical Illustration at the North Carolina Botanical Garden**
Patricia Savage, Professional Artist
Tuesday, Sept. 30; 12–1pm

The NCBG Botanical Art and Illustration Certificate Program teaches students to accurately depict plants in the artistic tradition of botanical illustration. Savage will take us from appreciation and observation through the work an artist does to produce a botanical illustration.

**The “New World” of Plants – The Geography of Plants and Place**
Alan Weakley, Director, UNC Herbarium
Thursday, Oct. 9; 12–1pm

Early exploratory botanists made shrewd guesses about what was novel, often forcing their discoveries into European paradigms. Centuries later, with better information at hand, we can put in perspective the botanical diversity of North America. Join us for a whimsical exploration of plants and place focused on the Bartrams’ plants and the southeastern U.S.

**Franklinia alatamaha**
Matt Gocke, NCBG Nursery/Greenhouse Manager and Brenda Wickman, Ecologist
Thursday, Oct. 16; 12–1pm

The Bartrams are considered the scientific discoverers of several plant species, including the Franklin tree (*Franklinia alatamaha*), a rare plant when Bartram described it that later became extinct in the wild. Learn about this discovery, the plant, and its remarkable story.

**Seeing the Forest with the Trees along the Bartram Trail**
Steph Jeffries and Tom Wentworth, NCSU
Wednesday, Oct. 22; 12–1pm

William Bartram wrote enthusiastically in his *Travels* about a 100+ mile trail that takes hikers through the mountains of Georgia and North Carolina. Steph and Tom will transport you west to explore a section of the “Bartram Trail.” You’ll hear Bartram’s descriptions and learn about the forests found there today. Their book *Exploring Southern Appalachian Forests: An Ecological Guide to 30 Great Hikes in the Carolinas, Georgia, Tennessee, and Virginia* will be available for purchase, and the authors will sign copies after the talk.

**Stalwarts of the Southern Garden:** William Bartram and the Oakleaf Hydrangea
Dorinda G. Dallmeyer, Director, Environmental Ethics Certificate Program, UGA, President, Bartram Trail Conference
Thursday, Oct. 30; 12–1pm

William Bartram became the first person to collect, describe, or illustrate 42 species of plants, among them the oakleaf hydrangea, *Hydrangea quercifolia*. Dallmeyer will trace how Bartram’s path intersected with this beloved native plant known around the world.

**Birds and Squirrels at Your Feeder**
Haven Wiley, Professor Emeritus, UNC-Chapel Hill
Thursday, Dec. 4; 12–1pm

Join Haven, who specializes in animal behavior and ecology, for a discussion of the challenges and solutions to feeding (or not feeding) these regular visitors to our feeders.

**Sweet Peas**
Maria Hitt, Environmental Educator

Thursday, Oct. 16; 12–1pm

Share a morning of discovery with your growing “sweet pea” and nurture their natural curiosity for the world around them. Each class will focus on a different nature theme, and may include stories, plant and animal encounters, mini-hikes, crafts, and puppets. $10 ($8 Members) per child/adult pair

**Bluets: Preschoolers Exploring Nature**
Elisha Taylor, NCBG Youth & Family Programs Manager

Wednesday, Sept. 24–Oct. 29; 1:30–3:30 pm

Learning comes naturally for preschoolers during this popular, fun-filled series that fosters a sense of wonder for the natural world through hands-on activities, nature hikes, puppet shows, stories, crafts, and group play. Snack provided. Homeschoolers welcome! $105 ($95 Members)

**Family Workshop — Monarch and the Milkweed**
Elisha Taylor, NCBG Youth & Family Programs Manager

Saturday, Sept. 27; 1–3 pm

It’s that magical time of year! Monarch butterflies are in the midst of their incredible journey south to wintering grounds in Mexico. Discover the amazing life 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 participant will receive a special plant to take home. Fee, per child: $12 ($10 Members)

**Family Workshop — Green Monsters: Meet the Carnivorous Plants**
Elisha Taylor, NCBG Youth & Family Programs Manager

Saturday, Oct. 25; 1–3 pm

Venus flytraps, pitcher plants, sundews… oh my! Learn about the secret lives of native carnivorous plants. Meet live specimens, dissect pitcher plants, and find out how you can keep some green monsters in your own backyard. We’ll even give you a special plant to take home to get you started. Fee, per child: $15 (Member $13.50)

**Family Workshop — Natural Ornaments**
Elisha Taylor, NCBG Youth & Family Programs Manager

Saturday, December 6; 2:30–4pm

See description online at ncbg.unc.edu/calendar. Fee, per child: $8 ($7 Member)
Following in the Bartrams’ Footsteps' Events

Bartram's Travels: A Book Review
Sept. 4, 7-9 pm | See desc. on page 10.

Exhibit and Symposium Opening Remarks and Reception: Contemporary Botanical Artists Explore the Bartrams’ Legacy
Sept. 7, 2:30-4:30 pm | John and William Bartram modeled a way of living centered on exploration and curiosity. Carol Woodin, exhibition director of the American Society of Botanical Artists, explains how the exhibit illuminates their natural history contributions. Free; advance registration required.

Sketching Nature: Biological Illustration in History
Sept. 11, 12-1 pm | See desc. on page 11.

Native Seed Propagation Workshop
Sept. 13, 9:30am-12:30pm | See desc. on page 10.

PAINT OUT!
Sept. 13, 10 am-3 pm | Enjoy the outdoors as artists from the NC Guild of Natural Science Illustrators and the NCBG Certificate in Botanical Art and Illustration Program paint landscapes and plants in the spirit of the Bartrams. Completed paintings will be available in the Garden Shop. Free.

Bartram as a Quaker Botanist
Sept. 18, 7-8 pm | While in graduate school, NCBG director Peter White came upon a pamphlet entitled “The Quaker Botanists,” and learned that from the early 1600s, Quakers, including William Penn, were proponents of natural science, wildflower gardens, and conservation. White will describe John and William Bartram’s significance while introducing other Quaker botanists and further speculating on why the early Quakers made good scientists. $15 ($10 Members)

Bartram’s Plants Walk
Sept. 20, 10-11 pm | Join us for a free Garden walk (there is another on Saturday, Oct. 18) to encounter some of the same plants naturalist and artist William Bartram encountered during his travels across the Southeast in the 1770s. Free; advance registration required.

Native Edible & Medicinal Trees of the NC Piedmont
Sept. 23, 1 pm | See desc. on page 10.

Monarch and the Milkweed – Family Workshop
Sept. 27, 1-3 pm | See desc. on page 11.

The World Famous Venus Flytrap
Sept. 27, 2-3 pm | The world famous Venus flytrap is found only in North and South Carolina. John and William Bartram saw Venus flytraps in the wild, and William published what is thought to be the first drawing in 1767. Dr. Mellichamp of UNC Charlotte will share his knowledge about the flytrap’s unique bog habitat and cultivation, adding details about other bog plants along the way. Dr. Mellichamp’s recent books are Bizarre Botanicals and Native Plants of the Southeast. Book signing follows the presentation. $15 ($10 Members)

Annual Jenny Elder Fitch Lecture: The Brother Gardeners: Botany, Empire and the Birth of an Obsession
Andrea Wulf, New York Times Bestselling Author
Sept. 28, 2:30-4:30 pm | See desc. on back cover.

From Plant to Illustration: Botanical Illustration at the North Carolina Botanical Garden
Sept. 30, 12-1 pm | See desc. on page 11.

Meet William Bartram!
Oct. 6, 7 pm | This one-man performance by J. D. Sutton, actor/playwright, offers an unforgettable encounter with William Bartram, tracing his travels, adventures, and experiences across the Southeast. $15 ($10 Members)

The “New World” of Plants – The Geography of Plants and Place
Oct. 9, 12-1 pm | See desc. on page 11.

“To See the Moving Pensil; display a Sort of Paper Creation, which May Endure for Ages” — William Bartram as a Natural History Artist
Oct. 11, 1:30-3 pm | Joel Fry, curator of Bartram’s Garden, will survey William Bartram’s illustrations and examine his scope and influences. Bartram’s religious upbringing as a Quaker was opposed to the very idea of graphical art, but Bartram endured these prohibitions by producing useful, scientific illustrations, and he mentored a new generation of young American natural history artists. $15 ($10 Members)

“The useful, the beautiful, the singular or the fragrant, are to us the most material” — John and William Bartram and Southern Plants in the Garden
Oct. 12, 2:30-4 pm | The Bartram family business was based on hardy, woody plants, but in their Philadelphia garden they collected and propagated rarer things, and more likely new herbaceous plants. Visitors to Bartram’s Garden commented on the southern plants and trees, probably then the largest collection in one place anywhere on the continent. Joel Fry, curator of Bartram’s Garden, will reconstruct the contents of the Bartram Garden from a variety of sources and use this to explore some of the plants from the South found in Bartram’s Garden. $15 ($10 Members)

Franklinia alatamaha
Oct. 16, 12-1 pm | See desc. on page 11.

Retro Bartram: Creating a Watercolor “Master from the Past” Workshop
Oct. 18, 9:30 am-4 pm | Learn to create plant portraits similar to the antiquated watercolors and hand-colored engravings of Bartram’s time period. Kathy Schetner-Grann, professional artist, will show us how to use watercolors to prematurely age the paper and incorporate 18th century script and type to create a plant portrait and to introduce students to the illustrations of William Bartram and his contemporaries. Requires experience in beginning watercolor. $65 ($55 Members)

Bartram’s Plants Walk
Oct. 18, 10-11 am | See desc. for Sept. 20.

A Conversation with National Book Award-winning author Charles Frazier, Bartram’s Travels on Cold Mountain
Oct. 19, 2:30-4 pm Panel: Margaret D. Bauer, ECU Rives Chair of Southern Literature/Editor, North Carolina Literary Review; Peter S. White, NCBG Director; Alan Weakley, UNC Herbarium Director | Join us for a conversation with author Charles Frazier to learn why the main character in Cold Mountain carries a copy of Bartram’s Travels on his journey. In a lively exchange with our panelists, Frazier will reveal particular passages in his novel that reference nature and share the role nature plays in his narratives and his own life as a writer. Followed by a reception and book signing. $25 ($20 Members)

Seeing the Forest with the Trees along the Bartram Trail
Oct. 22, 12-1 pm | See desc. on page 11.

Nature Notes Workshop
Oct. 23, 7-9 pm and Oct. 24-26, 9 am-4:30 pm | This intensive four-day workshop with distinguished North Carolina artist and teacher Robert Johnson, professional artist, will provide simple methods for making visual notes while exploring nature. Students will take field excursions to sketch and make notes, then return to the Garden’s studio to enhance their “nature notes,” with watercolors. All levels welcome; fee includes watercolors, color chart, brushes, sketch pad, pencil, and high quality watercolor paper. Assistant instructor Ken Moore, NCBG assoc. director emeritus, will provide fresh plant specimens for detail studies and assistance in plant identification. $400 ($375 Members). Bring your lunch! Counts as one elective credit toward NCBG Botanical Art & Illustration certificate.

Green Monsters: Meet the Carnivorous Plants – Family Workshop
Oct. 25, 1-3 pm | See desc. on page 11.

The Literary Bartram
Oct. 26, 2:30-4 pm | William Bartram’s Travels, published in 1791, has served as a fount of inspiration for many drawn to his lush descriptions of the American South and pioneering observations of its native people. Two noted southern poets will discuss how Bartram’s ideas about the natural world influenced poets and writers. Georgia poet Philip Lee Williams will read from his book The Flower Seeker: An Epic Poem of William Bartram. Jeffery Bean, poetry editor for the journal Oyster Boy Review will read poems inspired by Bartram’s work, including those from Romantic writers including Cooper, Thoreau, Moore, Carlos Williams, and Taggart. $15 ($10 Members)

Stalwarts of the Southern Garden: William Bartram and the Oakleaf Hydrangea
Oct. 30, 12-1 pm | See desc. on page 11.
Putting seeds in the bank
by Johnny Randall, NCBG Director of Conservation Programs

Many of you have likely stored seeds of vegetables or other plants in a pantry or refrigerator for a future use. This practice is not new, as seed collection and storage dates back thousands of years and was essential to the birth of agriculture. The deliberate practice of seed collection and storage for future use is generally called seedbanking and is one element of *ex situ* (off-site) plant conservation.

Seedbanking safeguards rare plants from extinction in the wild, preserves food crops, and stockpiles common plants for ecological restoration. Stored seeds are used for research, legitimate reintroduction, ecological restoration, cultivar development, crop improvement, and other needs.

Seed collection and storage is a standard conservation practice for many organizations, including the UN Food and Agricultural Organization, USDA ARS National Plant Germplasm System, Center for Plant Conservation, Millennium Seed Bank (Kew, England), Australian Plant Bank, Svalbard Global Seed Vault (Norway), and the subject of this article, the Seeds of Success program.

Seeds of Success (SOS) is the national native seed collection program, led by the Bureau of Land Management (BLM) in partnership with numerous federal agencies and non-federal organizations. The mission of SOS is to collect wildland native seed for long-term germplasm conservation and for use in seed research, development of native plant materials, and ecosystem restoration. SOS collections are divided into a long-term conservation storage collection, which is stored at multiple USDA Agricultural Research Service seed storage facilities, and a working collection, which is stored at partner institutions and made available for research. In addition to collecting and banking native species for future uses, SOS provides seed that can be increased to create genetically appropriate plant materials for ecological restoration of disturbed lands. Partners located throughout the United States are critical to this program, leveraging the effort through their contributions to the collection, managing, distributing, and curating the SOS National Collection.

North Carolina Botanical Garden joined SOS in 2001 as part of the Millennium Seed Bank (MSB) project, which succeeded in collecting and storing seeds from 10 percent of the Earth's flora. We have continued our SOS relationship and are partnering with the Mid-Atlantic Regional Seed Bank or “MARS-B” (City of New York), New England Wild Flower Society, Chicago Botanic Garden, USDA NRCS Cape May Plant Material Center, and Bureau of Land Management to expand SOS collections in the eastern U.S. This group of partners will benefit from a $3.5 million award to BLM from the Department of Interior to support native plant seed collections along the coastal plain from Virginia to Maine for restoration projects funded by the Sandy Supplemental Mitigation Fund (SSMF). (See the associated map for the project area.)

Over the course of two years, we will follow the guidelines of the SOS Technical Protocol to collect, bank, and provide native locally adapted seed. Collections will target species found in the habitats most impacted by Hurricane Sandy, including sub-tidal habitats, beaches and dunes, wetlands and marshes, near-coastal freshwater habitats, coastal forests, and inland rivers and streams. These seed collections will be used to establish germination protocols for common restoration species and will be made available to coastal restoration projects funded through the SSMF.

Our project will target species in plant communities that are both vulnerable and adaptable in the face of climate-related events. We will make multiple collections of dominant and keystone species across their range to capture the genetic diversity that can help to ensure successful restoration. The goal is to re-establish the plant community matrix, and to in turn facilitate the restoration of the typical plant and community affiliates.

So keep collecting those seeds for future use and know that you are part of a larger effort. We're certainly excited about bringing SOS to the east and helping to ensure that seeds are available for restoring the ecological services that only native plants can provide.
Thank you to all who support the Garden, especially to the many whose membership dues and gifts were received in the period from May 5, 2014 to July 24, 2014.
Michael and Angela O’Rand
Esther and Len Pardue
Susan E. Parkins
Hugh and Margaret Partridge
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Rus and Dixie Hapgood

Battle Park Endowment
Elizabeth Ann Behar
Arthur and Mignon DeBerry
James and Marta Evans
Danny Glover
Joan and David Guilkey
Ann Lou Jamerson
Freddie Kiger
Lynn Knauff
Harold and Louise Pollard
Phyllis Scholl Thomas

Battle Park Expendable
Randy and Cathy Lambe
Gifford Scott
Nancy Vernon

Botanical Garden Library
Leilie and Philip Gura
Glenda Parker Jones-- for
computer and cataloging
assistance

Carolina Campus
Community Garden
Anonymous
Chapel Hill Spring Garden
Tour

Carolina Moonlight Gala
Keith Baldwin and Barbara
Rowland
The FA Bartlett Tree
Expert Co.
Robert Bashford
John Anderson Bell
Sandra Brooks-Mathers and
Mike Mathe.
Blackman & Sloop CPAs PA
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Jane Coker Dunlap
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Sandra Henson
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Randy and Cathy Lambe
Karen and Gary McDougal
J. Thomas and Shirley Mullins
Hank J. Rodenburg
Judith Thorn and
Kevin Satisky
George and Zsuzsi Schroeder
Brent Allen Sowul
Paul and Susan Sansizlo
Norbert E. Turek
Betsey Van Horn

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Expendable
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Libby Grey

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Fall 2014 NCBG Newsletter 15
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Ann Marie Kephart
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Forest Theatre
Saianand Balu

Forest Theatre
Restoration Fund
Glenda Parker Jones, for equipment

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Horticulture Department
Glenda Parker Jones, for hand tools

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Marcella and Paul Grendler

Horticultural Therapy Program
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Garden Club of North Carolina, Inc.

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Colony Woods Garden Club
Garden Club of North Carolina, Inc.
Lake Trace Garden Club
Raleigh Garden Club
William C. Coker Garden Club

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“The Sisters”—Bernice S. Wade and Barbara L. Stiles
The Association of Carol Woods Residents

Dixie Lee Boney Soo for the UNC Herbarium Building
The Soo Foundation
L.Y. Soo
Kenneth A. Soo
Jeffrey D. Soo
Michael L. Soo
Catherine E. Nerantzis

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Coca-Cola Foundation—matching the gift of Stephen Rich, for Battle Park Endowment, Coker Arboretum Endowment, and Children’s Wonder Garden
Duke Energy Foundation—matching the gift of Richard T. Williams
GlaxoSmithKline Matching Gifts—matching the gifts of Cindy Cook, for General Support and for Children’s Wonder Garden
IBM Matching Corporation—matching the gifts of Anthony A. Amirante, Jr (multiple), Pam and William Camp, Susan Srine, Mary E. Sturgeon, Vivian H. and Grant B. Varner
Sherwin Williams Company—matching the gift of James Schmidt for the propagation nursery
Verizon—matching the gift of Michael Clendenin, for Educational Outreach
Wells Fargo Foundation—matching the gift of Sandy Thompson, for Battle Park Fund

IN-KIND GIFTS
Pam and William Camp—botanical books
Lyn Mattos and the Camelot Academy’s National Honor Society—children’s books
Ken Moore and Kathy Buck—rubber stamps for NCBG library
Laura Smoot—photographs, both print and electronic, of the North Carolina Botanical Garden
Barbara and Bob Wendell—cypress tree, Taxodium distichum ‘Pere Minaret’
Many contributions for the Carolina Moonlight Gala auction

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Barbara and Bob Wendell—cypress tree, Taxodium distichum ‘Pere Minaret’
Many contributions for the Carolina Moonlight Gala auction

Emma Morris Beckham
Jo Ellen Brandmeyer
Linda Convisor and Bruce Guild
Diane Frazier
Libby Grey
Harold Hill
James and Sharon Kirkman
Paul and Linda Naylor
Karla Reed
Bruce and Cynthia Runberg
Monica Samsky
Alice Zawadzki

MATCHING GIFTS
Coca-Cola Foundation—matching the gift of Stephen Rich, for Battle Park Endowment, Coker Arboretum Endowment, and Children’s Wonder Garden
Duke Energy Foundation—matching the gift of Richard T. Williams
GlaxoSmithKline Matching Gifts—matching the gifts of Cindy Cook, for General Support and for Children’s Wonder Garden
IBM Matching Corporation—matching the gifts of Anthony A. Amirante, Jr (multiple), Pam and William Camp, Susan Srine, Mary E. Sturgeon, Vivian H. and Grant B. Varner
Sherwin Williams Company—matching the gift of James Schmidt for the propagation nursery
Verizon—matching the gift of Michael Clendenin, for Educational Outreach
Wells Fargo Foundation—matching the gift of Sandy Thompson, for Battle Park Fund

IN-KIND GIFTS
Pam and William Camp—botanical books
Lyn Mattos and the Camelot Academy’s National Honor Society—children’s books
Ken Moore and Kathy Buck—rubber stamps for NCBG library
Laura Smoot—photographs, both print and electronic, of the North Carolina Botanical Garden
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Thank you, summer interns!

This summer, we had a phenomenal group of interns helping out in a variety of ways. Thanks so much to each and every one of them! Left to right: Cassy Karlsson (Horticulture), Jocelyn Pianowski (Education), Walter “Coker” Holmes (Coker Arboretum - Horticulture), Emily Watson-Cook (Conservation), Katie Russell (Conservation), Charis Wiegand (Education/Horticultural Therapy), Lauren Fulcher (Horticulture & APPLES Service Learning). Not pictured: Sara Hirsch (Education) and Aaron Pittman (Horticulture)

Welcome, Jennifer Peterson! The Garden’s new publications and communications coordinator brings a wealth of experience in digital publication, website management, and social media coordination. Jennifer has worked at several non-profit organizations, including Silos and Smokestacks National Heritage Area in northeast Iowa, and closer to the Garden, Triangle Land Conservancy. She has already proven she can do the job by producing the summer Newsletter and trouble-shooting the Garden’s online publicity during several major events this spring. Jennifer’s husband, Marc, is a spatial analyst at the Carolina Population Center, and their two delightful daughters are already exploring nature around the Garden. While she’s not caring for the Garden and her family, Jennifer enjoys knitting and other crafts, and we have learned that she can be tempted by ice cream! We are so pleased to have Jennifer as part of the Garden staff, and we look forward to the many ways in which she will advance our conservation garden.

Welcome, Ainsley Briggs! The Garden’s newest horticultural technician has been a valuable addition to the staff. Prior to joining the Garden, Ainsley was a residential gardener for several years, worked for Plant Works Nursery, and ran her own massage therapy business. Born in Erie, PA, she grew up in Salisbury, NC. Ainsley has two children, and they enjoy playing sports, swimming, and playing checkers together. They have also been known to build new inventions using pulleys and baskets. Ainsley also pursues spiritual healing and uses native plants to create herbal medicine. In her free time, she likes to read and weave. In fact, she creates weavings from goat to garment -- raising the goats, shearing and cleaning the wool, and eventually finishing with a beautiful scarf or other treasure! We are excited to have Ainsley as a part of our staff!

Garden Birthday Parties!
Make your child’s next birthday extra happy with a hands-on, nature-themed celebration at the Garden! Parties run for two hours and include an educator-led program, take-home project, and room rental. Ages 4-10. For more information, please contact Elisha Taylor, Youth & Family Programs Manager, at taylores@email.unc.edu or 919-537-3770.
The family of Dr. Dixie Soo has made a generous gift in her honor for the new UNC Herbarium building. Their contribution will initiate planning for a world-class facility for the largest scientific collection documenting the flora of the Southeastern U.S. See cover for more about this exciting gift.

Contributors who help “where the need is greatest” are our lifesavers. Among recent contributors who made notable contributions for general support were Mrs. Thomas Royster, Lawrence and Lu Howard, Claire and Hudnall Christopher, Scott Cramer, Tom Kenan, Kathleen and Todd Shapley-Quinn, Ruth Stevens, Charles Abbey, Tom Earnhardt and Dana Jennings, Scott Cramer, Jane Gregory, Christopher and Robin Howarth, George and Judy Lockhart, Beverly and Robert Murdock, Virginia Clancy, Thomas Mullins, and Crandall and Erskine Bowles. Dr. J. Thomas Mullins made a generous contribution to the Garden’s General Operating Endowment that will build permanent support for all Garden operations.

Garden members find many ways to help us accomplish our mission. Glenda Parker Jones made a difference as she allocated proceeds from ABP, Inc. Charitable Remainder Unitrust. Leaving most of the distribution unrestricted to support general operations, Glenda allocated a portion to complete the funding for the Bartram exhibit. She designated gifts to help with items on the Wish List, with scholarships for young nature explorers and funds for 1,000 school children to come on class visits to the Garden. Glenda’s distribution will purchase computer equipment to help our library volunteers make our vintage card catalog digital. The Horticulture staff received funds to help purchase hand tools, and the Herbarium staff can now buy bar code scanners to check specimens in and out. And, thanks to Glenda, Forest Theatre is much closer to purchasing a sump-pump and public address system.

Marcella Grendler’s recent gifts add to her past contributions and will build shade sails to protect clients as they use our horticultural therapy garden. Marcella and Paul Grendler have made many gifts over the years to help staff do our jobs. An additional gift from the Grendlers will help fund a certified horticultural therapist to teach in the new area.

Garden members also contributed to areas in which they have special interest. June Foushee made a generous gift to build the endowment for the Mason Farm Biological Reserve. Catherine Bollinger and Thomas Scheitlin made a contribution for the Garden’s Conservation Fund. Healing and Hope Through Science received a large contribution from the UNC Hospitals Volunteer Association. The Carolina Campus Community Garden received support from Strowd Roses Foundation, Chapel Hill Garden Club, and the UNC Nutrition Coalition. Mary Todd made a contribution to the Jim Todd Living Plant endowment which helps purchase and install needed plant specimens. We are grateful to Vann Bennett and Bernadette Pelissier for their recent contribution to the Fred & Virginia Houk Sustainability Internship Endowment, which supports students in the study of sustainable practices. Paul Gabrielson and Mary Love May made another gift to support Molecular Systematics in the UNC Herbarium.

Rus and Dixie Hapgood helped sponsor the Bartram exhibit that began in August and features programs and illustrations related to early southeastern botanical explorations. This fall’s Sculpture in the Garden will feature an exhibit by Patrick Dougherty. Recent contributors to sponsor his large sculpture woven from saplings are Tom Kenan, Jane Brown, Alys Protzman, Betsy and Walter Bennett, Dorrie Casey and Archie Purcell, Ann and Lex Alexander, and Frank Harmon Architect.

Coker Arboretum is a special place for UNC alumni and others. Among those who recently sent in gifts to build the permanent endowment for our campus garden were Sandra Henson, Thomas Mullins, Clyde and Lois Browning, Bill Burk, and Karen and Gary McDougall. Battle Park contributors included Sandy Thompson, Joan and David Guikley, Arthur and Mignon DeBerry, Lynn Knauff, Phyllis Thomas, James and Marta Evans, and Harold and Louise Pollard. Eunice Brock made another gift for the Melinda Kellner Brock Terrace in Battle Park that will soon host outdoor classes and informal gatherings.
Penny’s Bend Nature Preserve received gifts from Tom Earnhardt and Dana Jennings, Bill Ross and Susan Gravely, Cecelia Holden, and many others listed previously to honor members of the N.C. Natural Heritage Program staff who were recently retired. A trail at Penny’s Bend honors their dedicated service in identifying and protecting North Carolina’s heritage of rare species and natural diversity.

This spring’s 2014 Carolina Moonlight Gala brought in sponsorships and gifts to help the Garden. In addition to those featured in our summer Newsletter, the Garden has received contributions from Joan Gillings, East 54 Associates LLC, Florence and Jim Peacock, Stephen and Sandra Rich, Jan and Jim Dean, Tom Earnhardt and Dana Jennings, D.G. and Harriet Martin, Ed and Nancy Preston, The F.A. Bartlett Tree Company, Sandy Thompson and Wells Fargo Bank, Unique Places LLC, Vikram Rao and Susan Henning, Blackman & Sloop CPAs PA, Anne Lindsey, Mt. Olive Pickle Company, Missy and Sam Rankin, Linda and Alan Rimer, David and Terri Swanson, Tony Hall & Associates, Peter and Carolyn White, Joan Huntley, Owen and Roxane Gwyn, and many others.

The Children’s Wonder Garden received a huge boost from the 2014 Chapel Hill Spring Garden Tour, which dedicated proceeds from the tour of home gardens to the planning for an area that will delight young children and plant seeds of affection for nature and gardening. The Carolina Moonlight Gala Auction’s “Call for the Cause” raised $28,000 for the Children’s Wonder Garden! Leading the long list of gifts were those from Harriet and D.G. Martin, Cindy and Tom Cook, Paula Noell, Vikram Rao and Susan Henning, Frances Rollins, Gordon Allen, Jim and Delight Allen, Cotton and May Bryan, Jan and Jim Dean, Maryann Feldman, our new Chancellor Carol Folt, Kathie and Tom Heffner, Karen and Kenneth Korach, Alan MacIntyre, Kendal Parker, Kent and Nancy Raymond, Stephen and Sandra Rich, Sandra Brooks-Mathers and Michael Mathers, Bernice Bergup, Joseph and Ramona Westmoreland, Robert and Gretchen Bruce, Carol Tresolini and Thomas Fiore, Alan Grier and Vicky Brawley, Michael Mezzatesta, Brian and Ingrid Munley, Missy and Sam Rankin, Steve Raymond, Betty Schmoyer, and Ann and Del Williams among the “bidders” who contributed enthusiastically to the Children’s Wonder Garden.

We are grateful for every gift to help the Garden continue to grow and pursue its mission. Many thanks to all of our Garden members, volunteers, supporters, and friends.

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

26th Annual Sculpture in the Garden
September 21-December 7

Sculpture in the Garden offers visitors an ever-changing outdoor experience—the beauty of the Garden’s fall foliage interlaced with original sculptures from North Carolina artists. This natural connection between art and the Garden’s changing fall landscape offers a magnificent canvas you can literally walk through!

Thanks to the inspiration of Carrboro artist Kathleen Buck more than 25 years ago, Sculpture in the Garden is now an anticipated event, one that brings visitors back time and again to enjoy the heightened experience of art in the Garden.

Up to 35 large-scale works in an assortment of materials including steel, concrete, wood, ceramic, and marble will be on display throughout five acres of the Garden’s outdoor environment September 21-December 7.

Plan to attend the Preview Party and opening reception Saturday, September 20, 4:30-7 pm where you can meet participating sculptors and Carolyn Putney, chief curator at the Toledo Museum of Art. Putney will serve as jurist and announce her selections for Best in Show and two Merit Awards. Preview Party guests will have the opportunity to cast their votes for the People’s Choice Award and have the first chance to purchase sculptures.

Sculpture in the Garden is a not-to-be-missed event showcasing the splendor and beauty of art in the Garden. To fully enjoy the dramatic effects created by seasonal changes surrounding each piece, plan to visit Sculpture in the Garden many times this fall. Sculpture in the Garden is free and open to the public.

For more information: www.sculptureinthegarden.com

Meet Patrick Dougherty!
Friday, October 17, 5:30 – 6:30 pm
Come meet the 2014 Sculpture in the Garden Artist-in-Residence, world-renowned, Chapel Hill-based outdoor sculptor Patrick Dougherty who will be creating a one-of-a-kind installation made from his signature tree saplings from October 6-24. With over 300 of his works gracing venues around the world, this is a rare chance to experience the incredible scale of his work and the methods and creative energy he employs to create these towering natural forms.

2014 Artist-in-Residence
Patrick Dougherty
October 6-24

We are also proud to introduce the Garden’s 2014 Artist-in-Residence, world-renowned, Chapel Hill-based outdoor sculptor Patrick Dougherty who will be creating a one-of-a-kind installation made from his signature tree saplings from October 6-24. With over 300 of his works gracing venues around the world, this is a rare chance to experience the incredible scale of his work and the methods and creative energy he employs to create these towering natural forms.

2014 Artist-in-Residence
Patrick Dougherty
October 6-24

Meet Patrick Dougherty!
Friday, October 17, 5:30 – 6:30 pm
Come meet the 2014 Sculpture in the Garden Artist-in-Residence and learn about his sculptural stick-work installation happening in the Garden! His talk will be followed by a Q&A and light refreshments. Free. Register early at ncbg.unc.edu/calendar.
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!

Annual Jenny Elder Fitch Lecture

The Brother Gardeners: Botany, Empire and the Birth of an Obsession

Andrea Wulf, New York Times Bestselling Author

September 28, 2:30-4:30 pm

Wulf will tell the tale of a group of 18th century naturalists who made England into a nation of gardeners initiated by Pennsylvania farmer John Bartram’s introduction of American trees and shrubs to the English landscape. Wulf explores the botanical passions, obsessions, friendships, and squabbles that knitted the lives of six men set against the backdrop of the emerging British Empire and America’s magnificent forests. Wulf is author of The Brother Gardeners: Botany, Empire and the Birth of an Obsession (2010 American Horticultural Society Book Award-winner) and Founding Gardeners: The Revolutionary Generation, Nature, and the Shaping of the American Nation, a New York Times bestseller. Free; advance registration required

showing in the DeBerry Gallery . . .

November 5—January 4

Stillness

handmade felt pieces by Sharron Parker

Garden Hours

Weekdays Year-round: 8 am – 5 pm

Weekends Sept–May

Saturdays 9 am – 5 pm

Sundays 1 pm – 5 pm

Consult our website for holiday closings