At their spring meeting, the Board of Trustees officially approved a proposal to name the Garden’s LEED Platinum building the James & Delight Allen Education Center in recognition of a very generous commitment by two benevolent Garden members. Dr. and Mrs. Allen have documented their intention to leave the majority of their estate to the Botanical Garden Foundation to establish a permanent endowment that will provide ongoing income for Garden operations.

The 30,000-square-foot James & Delight Allen Education Center is recognized as an environmentally conscious space, having received the highest award from the American Green Building Council. Designed by North Carolina architect Frank Harmon, the building provides spacious, sun-filled, energy efficient offices and classrooms as well as an auditorium, exhibit hall, gallery and gift shop. These buildings incorporate a wide range of green and sustainable technologies, garnering the highest level of LEED certification.

The commitment from the Allens concludes the formal campaign for the building.

Since the opening of the Allen Education Center four and a half years ago, the green building has provided space for staff, volunteers and visitors and initiated tremendous growth in gardens, programs, exhibits and educational offerings. Jim and Delight were honored at a reception on April 11th following the spring board meeting of the Botanical Garden Foundation. That evening the Allens were presented with The Order of the Long Leaf Pine award from the State of North Carolina, signed by Governor Pat McCrory and presented by UNC Executive Vice Chancellor and Provost James Dean, with salutations by Botanical Garden Foundation President Tom Earnhardt and Garden Director Peter White.

James and Delight Allen will establish an endowment that will provide ongoing income for Garden operations.
The James & Delight Allen Education Center

In all the years I have been director…my gosh, 28 years!...I have learned that part of the job is to take risks. Risks based on analysis. Risks with your eyes open. Risks after getting input and advice. Risks with many hours of staff work and support. But risks all the same.

For some of those risks, I knew it was right to try, but honestly, I saw so many obstacles and sometimes felt success was unlikely, or likely to be only a cup “half full.” And when success then occurred, I found myself saying, “My goodness, the camel went through the eye of the needle!” I’ve since learned that the “eye of the needle” in this phrase is the narrow gate to a city, rather than a sewing needle. But to me it has always been the statement about the seemingly impossible that comes true.

With the naming of the Education Center in honor of James and Delight Allen in grateful recognition of their commitment to the Garden and the biggest act of philanthropy in our history, our outstanding loan on the Education Center (due this very year) has been forgiven. Jim and Delight came up with this bold strategy and Charlotte Jones-Roe and I drafted a statement to the Chancellor to present the idea. I was anticipating a hard sell, hemming and hawing, a referral to committees, and ultimately rejection. But we walked into the office of then Chancellor Holden Thorp, and before I even sat down, he had said, “I say let’s declare victory and move on.” The world had changed for us.

When I stood in the Pegg Exhibit Hall at an event to thank Jim and Delight, I was reminded that the Exhibit Hall, too, was the camel going through the eye of the needle. Eleanor Pegg gave her gift to fund the Education Center as a beautiful tract of land along the Haw River that had development value. No sooner was this known, than environmentalists came calling, and I was asked to state our intent at a meeting at the Garden. It was a pleasure to meet with them, for I already knew our pledge: this land would be conserved. I don’t have space to summarize two years of work, involving Charlotte’s persistence, Triangle Land Conservancy, and the North Carolina Clean Water Management Trust Fund. Today, this beautiful tract is part of the Haw River Natural Area, a stretch of conserved land protecting water quality and old forests. The transfer of this property generated the funds to build the Eleanor Smith Pegg Exhibit Hall at the James & Delight Allen Education Center.

Another needle. For two years, Jim Ward and I met with members of the neighborhood association of residents closest to the Garden…and through listening, talking, explaining, and meeting their needs for safer intersections, sidewalks, and a bike path, Laurel Hill Road, a paved public street, was closed and replaced with the gardens that unite the new and old gardens. When we got to the town council meeting to propose the abandonment of a public right of way (a rare move), the neighbors spoke in our favor.

To me, many other big events held similar risks but resulted in great successes: the Garden assuming responsibility for Battle Park, Forest Theatre, and the UNC Herbarium. Even going back to the beginning of the current era for the Garden was the decision to begin a fund raising program with a full time position—truth be known, we did not have the money, we just decided to take a risk that it would pay for itself, and it did so much more quickly than we ever thought.

And going back to the Education Center: I was personally amazed how quickly the building filled with people, life, art, furniture (for which we had no budget) and how the Center and its new grounds immediately proved themselves. It came out well, but I remember using a poker analogy with the Board when we were at 83 percent funding: “It is time, we are moving ‘all in.’” We have a lot left to do, but it came out well!

Risks, camels, needles. Believe me, those don’t happen without amazing and dedicated staff hours and without a community of supporters. I end, not for the first time, by quoting Dr. Ritchie Bell from the dedication of our building, “Thank you, thank you, thank you, thank you.”

Peter White, Stephen Keith, Charlotte Jones-Roe, and Tom Earnhardt congratulate Jim and Delight Allen on their receiving the Order of the Longl Leaf Pine.
Over the years, the Allens have visited often and have become acquainted with many Garden staff. They live near Battle Park and enjoy walking their dogs on the trails and, when they are not working on their own garden, helping Stephen Keith and the Battle Park volunteers pull invasive plants. They became better acquainted with the Garden through the Sculpture in the Garden Exhibits. There will be a special recognition of the Allens at the Carolina Moonlight Gala on June 7th. Meanwhile, the Allens may be glimpsed enjoying the Garden and checking out the latest additions to the Native Plant Sale.

“Jimmy and I are pleased to have our names associated with the Garden, and it is very satisfying to be able to help in this way,” Delight said. “The North Carolina Botanical Garden is a special place and an important part of the University.”

Jim Allen remembers deciding to stay in Chapel Hill and pursue his career here during a contemplative moment in Coker Arboretum 46 years ago. He has been enjoying the gardens and natural areas since 1968, when he joined the faculty of UNC’s Carolina Population Center, a community of scholars and professionals collaborating on interdisciplinary research and methods that advance understanding of population issues. Having grown up in Beaufort, N.C., he spent most of his career at what is now the Gillings School of Global Public Health and the Carolina Population Center. He holds degrees from the University of Arizona-Tucson and Boston University as well as UNC. He has been active in real estate development and is president of LongTermCareEducation.com, which offers online courses in assisted living and nursing home administration.

A native of the lovely college town of Beloit, Wisconsin, Delight Doner Allen (who is named for her grandmother) has been an educator and has had a successful real estate career in California where she lived for 40 years. An accomplished cellist who attended the University of Arizona on a music scholarship, she earned degrees in music education and history in 1956. She has played cello in the Tucson Symphony, the Santa Maria Symphony, and in several string quartets. The Allens support performing arts and several humane societies, and they are members of two different Rotary chapters.

The Allens have adopted the North Carolina Botanical Garden and its staff. “The Botanical Garden staff is very dedicated and provides a great service to our state and community,” they said. “We want to be sure they have the resources they need to continue their good work.”

We are grateful to Jim and Delight for their transformative commitment, and we look forward to seeing them around the Garden often.

Funded entirely by private donations

This $12 million structure was funded entirely by private contributions. An initial bequest by Garden volunteer Katherine Bradley Mouzon launched the project 16 years ago. We are especially appreciative of gifts by Eleanor Smith Pegg, Arthur and Mignon DeBerry, Tim and Janie Burnett, Ritchie Bell and Anne Lindsey, J. and Jerry Colvard, The Reeves Foundation, Sarah Fore Gaines, William Lanier Hunt, Peg Parker, Sandy and Bet McClamroch, Harriet and D.G. Martin, Sally Couch Vilas and Harry Gooder, Florence and Jim Peacock, the Chapel Hill Garden Club and Chapel Hill Spring Garden Tour, Emily and Charles Lambeth, The Brown F. Finch Foundation, Elizabeth Gant Bennett, William and Mary Coker Joslin, Sandy Thompson, Mary Lockwood Curry, Evelyn McNeill Sims, Alan McIntyre, Betty and Bob Rugh, Eleanor George, Blount Williams / Alfred Williams and Company, Dixie and Russ Happgood, Gretchen Cozart, Muriel Easterling, Tom Kenan, Bill and Betty Garwood, Jim and Deborah Hock, Clarence and Jane Whitefield, Claire and Hudnall Christopher, Page Richardson Jonathan and Mary Howes, Ione and John Lee, Laurie and David Coker Joslin, Nancy and Ed Preston, Paul and Mary MacDougal, Nan and Edgar Lawton, Nancy and Ed Preston, Paul and Mary MacDougal, Paula LaPoint, Ellen Johnson, David and Lallie Godschalk, Nancy “Teeny” Stronach, Marcella and Paul Grendler, Ulana and Carson Stuart, Peter and Carolyn White, David and Terri Swanson, Marguerite Hutchins, Jane and John Wait, Sam and Arden McCleskey, The Julian Price Family Foundation, Charles and Lamar Tatt, the New Hope Audubon Society, Doug and Nelda Lay, the Students of the University of North Carolina through their Renewable Energy Sustainable Projects Fund, Garden staff and volunteers, and six hundred other contributors who made the building possible.

UNC Chancellors James Moeser and Holden Thorp provided tremendous support to the project. Former Governor Beverly Eaves Perdue “honored the ground” at the beginning of construction and dedicated the building on October 12, 2009. We are grateful to everyone who helped make the Education Center a reality.

Thank you!
It's heading into summer and we are holding our breath in hope that we do not have the heavy rains that we had last year here in Chapel Hill. We love rain, make no mistake. Each week that we receive an inch or so from above is that much less work we face in dragging hoses and setting up sprinklers. It's also less water pulled from the precious well that sits next to and under Coker Arboretum. We're always grateful for rain! We just like it to be spaced out in more useful packets.

Those of you who frequent the Arboretum will recall that we lost three trees of substance last year: *Magnolia acuminata* (cucumber magnolia), *Tilia americana var. caroliniana* (American Basswood) and *Quercus bicolor* (swamp white oak). The magnolia was located next to our pair of Ginkgo trees and the oak was in the southeast corner of the garden near the arbor. While we were able to remove most of the fallen limbs and the entirety of the magnolia and basswood trunks from the Arboretum, we were left with a long section of the oak. Spanning about 20 feet in length and nearly four feet thick, this piece of trunk was deemed too heavy to move without the help of some very serious machinery and at least one road closure on campus.

We finally made lemonade out of that cumbersome pile of lemons. More accurately, we made a bench. Thanks to long-time volunteer Frank McKeever and a loan of a heavy duty chainsaw from our friends at Bartlett Tree Experts, the task was accomplished one Tuesday morning in late April.

Frank has been volunteering with us at the Arboretum since 2005, bringing a wealth of knowledge and skill with him from a career as an arborist with Bartlett. Frank brought his usual excellent humor and willingness to take on the challenge along with a cartload of tools and safety equipment. He was able to make a series of cuts in the trunk (creating an enormous pile of sawdust), exposing the inner wood and providing a sitting spot for willing visitors. We cannot thank him enough for accomplishing this daunting task.

Please take a moment to check out his handiwork next time you find yourself strolling through Coker Arboretum. 

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**Using lemons to make lemonade**

*by Geoffrey Neal and Margo MacIntyre*

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**Botanical Garden Foundation**

I am increasingly convinced that no organization does more to understand and protect the tapestry of life found in this magnificent state than the North Carolina Botanical Garden. Jim and Delight Allen’s commitment is significant because it will allow the Garden to move forward in so many critical areas of conservation, education, and research. I want to express appreciation to everyone who has supported the Garden over the years and contributed time and treasure to make our green building possible. I congratulate Jim and Delight on receiving The Order of the Long Leaf Pine award in recognition of their foresight and understanding of the importance of science and our environment for the health and well-being of generations to come.

Tom Earnhardt, President

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**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.

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Frank McKeever carves the fallen oak into a bench at Coker Arboretum
Ivy rant
by Johnny Randall, NCBG Director of Conservation Programs

I'm going to rant about only two of many invasive species—English and Irish ivy (Hedera helix and H. hibernica). This ivy duo plagues the urban landscape and has jumped the fence into natural areas.

I personally find ivy downright ugly, which is largely based on my grandmother's maxim that "pretty is as pretty does." But I'll leave this determination up to you after reading this article, unless you are already of similar mind.

Let me say right up front that there are lots of ivy cultivars, many of which are too wimpy to cause much trouble. But note that several states have declared ivy and its cultivars noxious weeds based on their bad behavior.

Although not invasive-enemy-number-one, ivy is particularly insidious in the urban arena because it almost imperceptibly creeps across the landscape, smothering plants in its wake. Moreover, it climbs and flourishes on trees or other vertical objects, where it transmutates from the juvenile creeping phase to the adult flowering and fruiting phase. Birds then gobble up these fleshy morsels and carry the seeds far and wide.

When ivy climbs, it also transforms deciduous trees into evergreens, whose architecture did not evolve to hold leaves during winter along with the occasional loads of ice and snow. Trees draped with ivy are far more likely to lose limbs as happened in this past winter's ice storm.

We are blessed to have several significant biological features, sacred sites if you will, on Botanical Garden lands. Three of these are our Ice-Age relic rhododendron bluffs along Morgan Creek, all of which occur across the creek from vast stands of ivy. If Garden staff did not continuously remove ivy seedlings and vines from our rhododendron sites, these vestiges of times past would be lost.

It's also important to consider our urban landscape legacy and the world of our children's children's children. Urbanization has so fragmented the natural world that we must now work to rehabilitate our home landscapes to help support what biological diversity is left. For example, ivy, like virtually all non-native plants, cannot serve as caterpillar food, which translates to songbird food. Please refer to the book, Bringing Nature Home by Doug Tallamy, who clearly defines the problem and provides real solutions. Wait – This book is a must read for all urbanites.

The first question I get from those who want to remove ivy is: “How DO I remove it?” Well, I say, there are many eradication methods found on the Internet, including our NCBG Controlling Invasive Plants brochure (ncbg.unc.edu/uploads/files/ControllingBooklet.pdf) and the inspiring No Ivy League site in Portland, Oregon.

The second question I get is: “What do I replace it with?” Well, I say, it's important to plant a diversity of things rather than have a monoculture (of even a native plant). And since most folks appreciate ivy's ability to grow in summertime's dry shade, I recommend planting an array of spring wildflowers that evolved to take advantage of available light prior to tree leaf-out. In this way, the homeowner gets the big show of flowers in the spring and then relies on either the vegetative parts of the plant during the summer or enjoys the look of a natural area. (Please visit the Garden in spring to see how we use native plants in the landscape as well as lots of pictures on our Facebook page!)

I'll wrap-up this rant by saying that humans hold the reins of urban landscape composition and can steer toward ecological poverty or toward abundance. Our urban landscape legacy is already tilting toward a tangle of invasive plants that do not support what remains of the natural heritage that has managed to persist. But we can reverse this ecological decline and revive the urban landscape for us, our children, and the children of wild nature.
Jim and Delight Allen’s adoption of the North Carolina Botanical Garden has significance beyond the naming of a building. Their commitment has replaced a cloud of debt and uncertainty with a bright future where important goals can be more than daydreams.

The Allens are well aware that many, many people have contributed to the building that now bears their name. Volunteer Katherine Bradley Mouzon launched the project with a bequest she and her late husband Olin had planned years before. Dozens of individuals, families and groups made gifts of a lifetime to sponsor rooms and facilities. More than six hundred people contributed to build the Education Center. All contributors are important and appreciated, and all will be recognized on the donor wall as well as in the greatly expanded programs and activities the building makes possible.

Our former Chancellor, Holden Thorp, always a supporter of the Botanical Garden and the idea of involving all students in nature, played a huge role in the completion of the project. He strongly encouraged the Allens to name the James & Delight Allen Education Center. While the Allen’s early involvement with the Garden was through pleasant walks with their dogs on forest trails, and the selection of plants and outdoor sculpture to add to the enjoyment of their own garden, they clearly now have a deep understanding of the Garden’s greater mission. To borrow from Dr. Allen’s remarks on April 11th after he referred to Tom Earnhardt’s writings about “the Anthropocene era—this scary time when we humans first became capable of using the earth’s resources at non-renewable rates,” “…Survival rests on whether we can successfully help the plants of our world maintain a sustainable rate of photosynthesis and ecosystem respiration.” He noted that on April 6, 2014, carbon dioxide levels measured at Mauna Loa were at levels not reached since the Pliocene era, when temperatures and sea level were higher. He observed that the North Carolina Botanical Garden follows in a long tradition of university-related botanical gardens and must be part of the solution for our survival.

The Allens have accomplished at least three major things with their transformative commitment: They not only rescued the Garden from a very uncertain future and the burden of debt, but by directing the proceeds of their estate to build the General Endowment for the Garden, they will provide the future Garden with a permanent source of support. Their plans make it possible for the Garden to focus on significant projects that might have been postponed indefinitely. These include—but are not limited to—planning for the much-needed facility to house the priceless collection and research of the UNC Herbarium, improving our landscape and displays of North Carolina’s native plants, and the construction of the Children’s Wonder Garden and other exhibits to educate and inspire visitors of all ages.

Seeds of environmental stewardship and love of nature are best sown on the fertile ground of childhood. These memories may lie dormant for decades until the young person reaches a point in life when some internal signal makes them want to nurture plants, marvel at wildlife and care for the Earth and the intricate systems on which we are dependent for our health and survival. Gardening and enjoyment of nature may also be a final pleasure, available to people in their very last days. Long after we are able to hike to a mountaintop in a remote natural area, we can still enjoy the exquisite detail of a fern or wildflower in the valley—or in our own home garden, or in a flower pot.

Now that we are able to dream and plan again, it is fitting that one of the first projects to which the
Garden will turn attention is the Children's Wonder Garden. Proceeds from the Chapel Hill Garden Club’s recent Spring Garden Tour totalled more than $28,000 and will provide funds for planning of this special place to delight and engage young children.

And as more news comes about state budget cuts, it is important to acknowledge the many gifts we have received since our last Newsletter for use “where the need is greatest.” Another distribution from the charitable annuity trust of Julia E. Irwin will go a long way in helping us avoid layoffs. Other recent unrestricted gifts include those from Nell and C.L. Morton, Ona and Peter Pickens, Claire and Hudnall Christopher, Joel Mattox and Karen Perizzolo, Cotton and May Bryan, Peter and Carolyn White, Van Womack Daniel III, Pat and Jack Evans, Louise and Grier Martin, David and Lesley McAdams, Erica Jensen Sanchez, Colony Woods Garden Club, Jayne Gregory, Jim and Arlene Schmidt, Alice and Fred Stanback, and Stick and Teresa Williams. As you will see from the gift list, we have received memberships and gifts too numerous to list here. Every gift is helpful and appreciated.

Experienced gardeners know that sustained care is necessary for gardens and projects of significance. It is a pleasure to mention some outstanding gifts to build permanent endowments that will provide funds from now on. Among those contributing to the Mason Farm Biological Reserve Endowment were Jack and Jennifer Boger, Kay Briggs, Margaret and Stephen Chandler, and Chris Hitt. Charles and Nancy Norwood, Tom and Susan Ross, Randy and Cathy Lambe, Jim and Jean Fort, and Harriet and D.G. Martin were among those who recently added to the Coker Arboretum Endowment, a fund that is already making a difference in our ability to care for our beautiful campus garden. The permanent endowment for Battle Park grew thanks to additions from John and Marguerite Stanback, Alice and John May, Charlotte “Timmy” Battle, Ronald Knight, and many others. Tom Wentworth and Linda Rudd made an addition to the UNC Herbarium General Endowment, and Syngenta Crop Protection made a very significant contribution to the Conservation Fund that will help expand and sustain the Garden’s conservation work for years to come.

As we build permanent support for the future, we also appreciate the many gifts which allow the Garden to care for particular collections and take on exciting projects that might not otherwise be possible. Garden volunteer Paula LaPoint and her friends in the Central North Carolina Mineral Club have sent another generous gift for scholarships to the Nature Explorers Summer Camp, while Duffy and Fred Askin designated their gift in memory of Leon Bryant to make sure children from disadvantaged schools will be able to take a field trip to the Garden. Arthur DeBerry made a gift for improvements to the Garden Entry Landscape, and Marguerite Hutchins has responded to his challenge with a generous gift and pledge. Barbara Roth and Betty King worked together to fund the purchase of native plants along the sound wall and beautify the entry as well. Tom Kenan made a generous contribution so the staff will be able to maintain the Coker Arboretum water feature as a source of delight for people and songbirds alike.

Members of the Botanical Garden Foundation Board honored Anne Lindsey for her service on the board with gifts to Friends of the UNC Herbarium, an expendable fund that helps pay the bills and care for this valuable research collection of plants from North Carolina and beyond. With the premature retirement of members of the North Carolina Natural Heritage program staff, colleagues honored their dedicated service with gifts for a nature trail at the Botanical Garden Foundation’s Penny’s Bend Nature Preserve.

The upcoming Carolina Moonlight Gala has attracted sponsors to underwrite expenses and allow the proceeds to be used for support of the Garden. You will not want to miss this lovely evening in the Garden, or the online auction. The Bartram Exhibit next fall will be possible because of generous sponsorship gifts to fund events as well as the exquisite art and illustrations inspired by our botanical heritage. Sculpture in the Garden next fall will feature an exciting exhibit by nationally recognized artist Patrick Dougherty, thanks to advance contributions from sponsors who want to attract a wider audience to the Garden. Becky and Munroe Cobey and Marcella and Paul Grendler have made gifts and pledges for shade sails and outdoor furniture to make it possible for horticultural therapy clients and other visitors to benefit from the gardens by offering a place to sit with protection from the summer sun. Becky and Munroe have also

Four-year-old Delight offers a flower to her grandfather

cont’d on page 13 >>
Herbarium Report

Make Room for Harvey!

by Carol Ann McCormick, Asst. Curator, UNC Herbarium

There is a new mascot in town, so move over, Ramses, and make room for Harvey!

Meet Chondracanthus harveyanus, a member of the distinguished family Gigartinaceae and citizen of the Kingdom of Plantae. “Harvey” spent his early years in the Pacific Ocean one mile south of Punta Cabras in Baja California, Mexico. He moved permanently to Chapel Hill in November 1969, and resides in Coker Hall on the campus of the University of North Carolina at Chapel Hill.

“I consider myself to be the Tar Heel of Low Intertidal,” says Harvey. “My holdfast which I use to cling to sand and rocks is discoid in shape, so essentially, I’m the round blob on the Tar Heel footprint. I like to point out to Ramses that anatomically, I so much more rock the Tar Heel theme than he does. Ramses is like, ‘Dude, your ligulate blades are red,’ but I shoot back, ‘Hey, wool-brain, the only thing Carolina Blue on you is horns and they are like painted.’ Ramses is so jealous of my holdfast.”

Harvey is the official mascot for the 60,000+ specimens of red marine algae in the UNC Herbarium Collection. Dr. Max Hommersand (“affectionately known as ‘Mad Max’ to us algae,” Harvey confides) has travelled to Namibia, Tasmania, the Aleutian Islands, the Philippines, Sweden, and even coastal North Carolina to collect and document the diversity of macroalgae which are the foundation of many marine, estuarine and freshwater ecosystems. Macroalgae provide food, substrate and protection for many other aquatic organisms and are important indicators of environmental change. Many macroalgae, including kelp and nori, are used for human food, cosmetics and pharmaceuticals.

In 2013, the UNC Herbarium joined 48 other herbaria to form the Macroalgal Herbarium Consortium. The National Science Foundation is funding the Macroalgal Digitization Project to image, database and georeference specimens in herbaria from New England to Florida, from Alaska to Guam.

“One of the most exciting aspects of this project is that it will allow anyone to search on species or collector or location or date, and anyone can search just one collection or all 49 herbaria simultaneously. I’m really looking forward to the year 2016 when the Consortium will have 1,138,500 algae catalogued. I’m looking to be the spokesalga for the whole Consortium. Ruminate on that, Ramses!”

As with all work at the Garden, volunteers and students are paramount in the Macroalgal Digitization Project in the UNC Herbarium. Emma Kunkel, a student at Chapel Hill High School, and volunteers Sarah Farmer and Muriel Easterling affixed accession numbers and barcodes to specimens.

“I love all the Tar Heel undergrads who work in the Herbarium,” says Harvey. “Joseph Jurkiewicz, Luis Reyes, Tra Nguyen, Alexy Hernandez, Billy Marinello and Serene Majid are my homies — they’re databasing, imaging, doing constant updates to macroalgae.org and making the world a better place for algae The Carolina Way.” Herbarium staffer Shanna Oberreiter started posting images of algae specimens in February 2014, and by the end of April several thousand specimens had been imaged, databased and geolocated. The UNC Herbarium is a regional hub in the Consortium, so in addition to our own collection, we will be imaging algae specimens from UNC-Wilmington, Florida Museum of Natural History, University of South Carolina, University of Alabama, Texas A & M University and Louisiana State University.

To learn more about the UNC Herbarium’s algae collection, to volunteer with the Macroalgal Digitization Project, or to arrange a visit with Harvey, contact Carol Ann McCormick, Assistant Curator, at 919-962-6931, or go online to ncbg.unc.edu/unc-herbarium.

When reached for comment about Harvey’s mascot status, Ramses replied “Blaaaaahhhhh,” and resumed grazing. ✂
North Carolina Botanical Garden

EDUCATION PROGRAMS

Fall 2014

Find out more about these classes and see what’s coming up this fall on our website! ncbg.unc.edu/education-and-events

Certificate Courses, Fall 2014 Semester

Full descriptions of these Certificate Courses are on our website—ncbg.unc.edu/calendar/ ɵ=No prerequisites—open to all!

Native Plant Studies

Botany ɵ
Olivia Lenahan, Horticultural Scientist
Saturdays, August 2, 9, 16, 23; 9:15am – 1:15pm
$150 ($135 NCBG members)

Bartram’s Travels: A Book Review ɵ
Peter S. White, NCBG Director
Thursday, September 4; 7–9 pm
$10 ($15 NCBG members)
This is also a “Bartram” program.

Pollination
Anne Lindsey, Botanist
Saturdays, September 6, 13, 20, 27; 9:30am - 12:30pm
$125 ($115 NCBG members)
This is also an “Ecology + Sustainability” program—see description on page 11.

Native Seed Propagation ɵ
Heather Summer, NCBG Seed Technician
Saturday, September 13; 9:30am-12:30pm
$40 ($35 NCBG members)
This is also a “Bartram” program.

Native Edible & Medicinal Trees of the NC Piedmont ɵ
Kim Calhoun, Herbalist
Tuesdays, Sept. 23, 30, Oct. 7, 14; 1-4pm
$125 ($115 NCBG members)
This is also a “Bartram” program.

Soil Ecology ɵ
Nicolette Cagle, Ecologist
Saturdays, November 1, 8, 22, December 6; 9:30am – 12:30pm
$125 ($115 NCBG members)
This is also a “Bartram” program.

Dendrology ɵ
Steph Jeffries, Forest Ecologist
Wednesday, Oct. 29, Nov. 5, 12, 19 (inclement weather date: Nov. 26); 9:30am – 12:30pm
$125 ($115 NCBG members)

Introduction to Mushrooms ɵ
Rytas Vigalys, Dept. of Biology Duke Univ.
Saturday, November 1; 9:30 am – 4:30 pm
$70 ($65 NCBG members)

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

Botanical Art & Illustration

Drawing for People who Think They Can’t Draw ɵ
Emma Skurnick, Professional Artist
Saturday, August 2; 1 – 4:30pm
$40 ($35 NCBG members)
This is also an “Art + Nature” page 12.

A Beginner’s Guide to Drawing Birds
Patricia Savage, Professional Artist
August 3, 17; 1:15-4:45
$65 ($55 NCBG members)
This is also an “Art + Nature” page 12.

Edibles on Paper:
Heirloom Tomatoes in Watercolor
Kathy Schermer-Gramm
Sunday, August 9; 10:30am – 1pm
$125 ($115 NCBG members)
This is also an “Art + Nature” program—see page 11.

Edibles on Paper:
Intermediate Watercolor Techniques: Wet and Wild
Emma Skurnick, Professional Artist
Sundays, November 2, 9, 16, 23; 1:15 – 4:30 pm
$125 ($115 NCBG members)

Intermediate Drawing
Kathy Schermer-Gramm, Professional Artist
October 7, 14, 21, 28; 1 – 4:30 pm
$125 ($115 NCBG members)

Intermediate Colored Pencil
Linda Koffenberger, Professional Artist
Wednesdays, October 15, 22, 29, November 5; 1 – 4:30 pm
$125 ($115 NCBG members)

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

Composition ɵ
Patricia Savage, Professional Artist
Sundays, November 2, 9, 16, 23; 1:15 – 4:45 pm
$125 ($115 NCBG members)

Intermediate Watercolor Techniques:
Introduction to Botanical Art and Illustration ɵ
Linda Koffenberger, Professional Artist
Saturday, August 23; 1 – 4:30pm
$40 ($35 NCBG members)

Introduction to Botanical Art and Illustration ɵ
Linda Koffenberger, Professional Artist
Saturday, August 23; 1 – 4:30pm
$40 ($35 NCBG members)

Intermediate Colored Pencil
Linda Koffenberger, Professional Artist
Wednesday, August 13, 20, 27, September 3; 10:30am – 1pm
$125 ($115 NCBG members)
This is also an “Art + Nature” program—see page 11.

Intermediate Drawing
Kathy Schermer-Gramm, Professional Artist
Mondays, November 4, 11, 18, 25; 1 – 4:30 pm
$125 ($115 NCBG members)

Intermediate Watercolor
Kathy Schermer-Gramm, Professional Artist
Mondays, November 4, 11, 18, 25; 1 – 4:30 pm
$125 ($115 NCBG members)

Edibles on Paper:
Squash and Edibles on Paper:  Squash and Pumpkins in Watercolor
Kathy Schermer-Gramm
Saturday, November 15; 1:00 – 4:30pm
$40 ($35 NCBG members)

Hikes & Tours

Pollination-Themed Tour of the Garden
Saturday July 26; 10:00 am, rain or shine
NCBG is offering a free pollination-themed tour of the Garden. Come learn about the plight of our native pollinators and the role that native plant gardening plays in pollinator conservation. This 60-minute tour of our Display Gardens will highlight various plants that attract bees, butterflies, hummingbirds, and other native pollinators. Participants will also receive tips and resources to turn their home landscape into a pollinator garden. Free, but registration is required.
Pesky Animals in Our Gardens
Haven Wiley, Professor of Biology and Ecology Emeritus, UNC-CH
Saturday, June 14; 2:00 – 4:00pm
Join Haven, who specializes in animal behavior and ecology, for a discussion on troublesome animals we find in and around our gardens. Bring your problems, solutions, and ideas for dealing with animals such as squirrels, deer, groundhogs, cotton rats, voles, moles, and coyotes. $15 ($10 NCGB members)

Botany of Gardening
Olivia Lenahan, Horticultural Scientist
Saturday, June 14; 9:30 – 11:30am
What makes a seed wake up and germinate? How are flowers pollinated and how are fruits formed? This workshop delves into the science of gardening as we journey through a growing season. Discussion and hands-on activities will cover seeds, flowers, fruits, vegetables, and the science behind gardening practices. This workshop is perfect for gardeners who want to have a better understanding of basic botany and aim to have a more productive gardening experience. $20 ($15 NCGB members)

Organic Gardening for Everyone!
Anna Jensen, Community Organizer Toxic Free NC Lynne Walter, MSW Assoc. Director, Toxic Free NC Wednesday, June 18; 3:00-4:30pm
Carolina Campus Community Garden (CCCG)
Everybody deserves fresh, pesticide-free food. We can help you build a better habitat for good bugs that will keep your garden’s pests in check, and we’ll have fun doing it! You provide the community garden site, and we’ll provide a hands-on workshop that builds on the shared knowledge of everyone in the group and Toxic Free NC’s expertise on organic methods for preventing and controlling NC’s most common garden pests. Free, but pre-registration required. For directions to CCCG, see the website uncgarden.web.unc.edu/contact-us/

Botany
Olivia Lenahan, Horticultural Scientist
Saturday, August 2, 9, 16, 23; 9:15 am–1:15 pm
This introductory course is designed for a broad audience. It is a fundamental core course for students enrolled in either of the NCBG certificate programs. 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. No prerequisites: $150 ($135 NCBG members)

Sweet Peas (ages 3–4 with an adult)
Tuesdays or Saturdays; 10-11 am
Educator: Maria Hitt
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, songs, mini-hikes, crafts, and puppets. No strollers or non-registered siblings please.

Bluets: Preschoolers Exploring Nature (ages 4–5)
Wednesdays (6 sessions); 1:30 - 3:30 pm
Educator: Elisha Taylor
Learning comes naturally for 4 & 5-year-olds 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 NCBG members)

Homeschoolers welcome! $105 ($95 NCBG members)

Sustainable Lawns
Alan Johnson, Professional Landscaper
Saturday, August 16; 2:00 – 4:00 pm
Types of lawns depend on use, design goals and resources you are willing to invest. You can strive for lawns to be a dense grass of one type, mixed stands of many types of plants or alternatives like mosses or low groundcovers. Lawns can be suitable for very active or more passive use. Alan will look at many lawn options while focusing on the sustainable issues that affect each. $20 ($15 NCBG members)

Picnic at the Garden!
Kelly Taylor and Janice Escott, Culinary Educators,
Saturday, June 14; 11:30am – 1:30pm
Join Chef’s Kelly Taylor and Janice Escott for a cooking class filled with tips, tricks and easy make-ahead nutritional dishes, perfect for a picnic. After we prepare our meal, we will enjoy our picnic at the Garden. $37 ($30 NCBG members) Includes picnic lunch.

The Nature Cure: Health Benefits of Urban Green Space
David Schwartz, Environmental Psychology Researcher
Sunday, June 19; 12 – 1pm
This is also a “Lunch + Learn” program – please see description on page 13.

Growing and Making Local Teas
Christine Parks, Camellia Forest Nursery
Sunday, July 20; 1:30 – 3:30pm
Learn how all types of tea (white, green, oolong and black) are made from the leaves of Camellia sinensis. The class will include an introduction to tea, hands on demonstrations, and a tea tasting, including tea grown here in Chapel Hill. Fee includes your own tea leaves to take home! $20 ($15 NCBG members)

Applying Garden Metaphors in Health and Wellness: A Participatory Workshop
Jane Saiers, Horticultural Therapist, Organic Farmer
Saturday, September 6; 1:00 – 4:00pm
In this 3-hour workshop, we will explore the use of plant and garden metaphors for enhancing our participants’ well-being. Join us in the Garden! $15 ($10 NCBG members)

Nature Tales: Storytime in the Garden (ages 3-5 with adult)
Thursdays; 10:00 - 10:45 am
Educator: Elisha Taylor
Join us Thursday mornings to listen to nature-themed books and enjoy hands-on explorations in the Garden.

Bluets: Preschoolers Exploring Nature (ages 3–4 with an adult)
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June 5 – Green Thumbs
June 19 – Animal Signs
July 3 – Flower Power
July 17 – Terrific Trees
July 31 – Flutter by Butterfly!
Aug 14 – Fairy Tales
Fee per child: $3.50 ($3 NCBG members)
A Pollination Weekend! Celebrate our Native Plants, Native Pollinators

Introduction to Insects
Steve Hall, Landscape Ecologist
Saturday, July 26; 9:30am – 12:30pm
Topics will include the distinctive features, evolution, diversity, and importance of insects. There will be a 45-minute lecture, followed by 30 minutes of lab work showing the features of common orders (using microscopes), and a 90-minute field trip to Mason Farm to demonstrate collection/observation techniques and to look for examples of local species. $40 ($35 NCBG Members)

Free Pollination-Themed Tour of the Garden
Saturday, July 26; 10:00am, rain or shine
This is also a “Hike + Tour” program – please see description on page 9.

Planting Native Pollination Gardens
Debbie Roos, Agricultural Extension Agent, Chatham County Center, North Carolina Cooperative Extension
Saturday, July 26; 2:00 – 3:30pm
Learn about the plants that provide season-long beauty and habitat for pollinators, and how to design the garden for maximum pollinator benefit. Take a virtual tour of the extension’s popular pollinator demonstration garden in Pittsboro, NC. $15 ($10 NCBG members)

Giant Silk Moths! Family Workshop
Bob Palmatier, Environmental Educator
(ages 6 & up w/ adult)
Saturday, July 26; 1-2:30 pm
This is also a “Family” program – please see description on the right.

Animal Pollinators and their Amazing Adaptations for Floral Feeding
Anne Lindsey, Botanist
Sunday, July 27; 2:00 – 4:00pm
Participants take a look at pollination from the pollinator’s viewpoint — who they are, why they visit flowers, what their adaptations are for floral feeding, what unique behaviors serve the pollinators and the plants, who are the most important pollinators and how do we know, and what does the plight of the pollinator mean for our own human ecology. For those interested, we will take a close look at the insects working flowers in the Garden – can we tell what they are feeding on or if they are efficiently pollinating? $15 ($10 NCBG members)

Pollination
Anne Lindsey, Botanist
Saturday, July 26; 2:00 – 4:00pm
This is also a “Family” program – please see description on page 12.

Where the Land is the Star
Tom Earnhardt, Naturalist and Writer, President, Botanical Garden Foundation
Sunday, August 10; 2:30pm
This is also a “Bartram” program – please see description on page 12.

Well-Traveled: On the Influence of William Bartram and His “Travels”
Jim Costa, Executive Director, Highlands Biological Station
Sunday, August 24; 2:30pm
This is also a “Bartram” program – please see description on page 12.

Bartram’s Travels: A Book Review
Peter S. White, NCBG Director
Thursday, September 4; 7-9 pm
This is also a “Bartram” program.

Native Seed Propagation
Heather Summer, NCBG Seed Technician
Saturday, September 13; 9:30am-1:30pm
Intended for all levels, students will learn seed propagation techniques for native perennials and woody plants. Topics include seed collection methods, post-collection handling, cleaning equipment and techniques, seed storage, seed sowing techniques, sowing media, cultural requirements of seedlings, and dormancy requirements. **No prerequisite. $40 ($35 NCBG members)**

Giant Silk Moths! – Family Workshop
Bob Palmatier, Environmental Educator
(ages 6 & up w/ adult)
Saturday, July 26; 1-2:30 pm
We know that honeybees are important pollinators, but what about the rest of the insects? In celebration of our native pollinators and National Moth Week, join local naturalist Bob Palmatier to explore the secret lives of Giant Silk Moths and their enormous, colorful caterpillars, along with other amazing creepy crawlies found buzzing around on warm summer nights. Fee, per child: $10 ($9 NCBG members)

Registration is Online!
http://ncbg.unc.edu/calendar/
Click on Calendar & Registration to enter our secure registration site.
Advance registration is required for all programs unless otherwise indicated.

Backyard Streams and Runoff – Management, Enhancement and Restoration
Steve Bevington, Environmental Scientist
Saturday, June 28; 2:00 – 4:00pm
The workshop introduces participants to concepts of stream and riparian area management on the scale of creeks, drainage ditches and storm-water channels. The challenges and rewards of working with pediment streams as natural landscape features will be explored with examples drawn from local case studies. Hands-on work with topographic maps and a quick walking tour of Morgan Creek here at the Garden will assist with understanding of practical concepts. Participants will gain information useful in understanding the form and condition of neighborhood streams. Participants will also learn how they might enhance their gardens with natural water features. $15 ($10 NCBG Member)

Pollination
Anne Lindsey, Botanist
Saturday, September 6, 13, 20, 27; 9:30am – 12:30pm
This course is intended for a broad audience and explores the dynamic relationship between flowering plants and their pollinators. It includes floral reproductive biology, including flowering plant life cycle, breeding system biology, and pollinator attraction mechanisms. Students learn to recognize important insect pollinators and apply this knowledge from both lecture and field exercises to an individual project. The course includes pollination ecology, conservation, and the importance of pollination to our ecosystems and agriculture/food supply. The class format includes lecture, laboratory exercises, and field studies. **Prerequisites: Botany, Local Flora. $125 ($115 NCBG Members)**

Ecology & Sustainability
## Art and Nature

**Doing it at the Dixie Dew**  
**Ruth Moose, Author**  
*Sunday, June 15, 2:30pm*

**Author Event and Book Signing** Join us for a delightful presentation by author Ruth Moose, the 2013 winner of the Malice Domestic Competition for first traditional mystery novel. Her book, *Doing it at the Dixie Dew*, is a murder/mystery story with a botanical twist of the goings-on in an old Southern mansion turned into a bed-and-breakfast called *The Dixie Dew.* She was on the Creative Writing faculty at UNC Chapel Hill for fifteen years and lives in Pittsboro, North Carolina. **Books will be for sale.** “I loved it! So much fun to read—Ruth Moose has fashioned a fast-paced romp through small town society...mayhem and maybe even murder lurk behind those frilly lace curtains at the Dixie Dew B&B. This entertaining novel is just as rich and delicious as innkeeper Beth McKenzie’s lemon crème cake.” —Lee Smith, The New York Times bestselling author of *The Last Girls.* Following the event, Wendy Wenck, NCBG Herb Garden Curator, will lead a tour of the Mercer Reeves Hubbard Herb Garden and Poison Plant collection. **Free, but pre-registration required.**

**Butoh, Dance Life of Plants**  
**Jennifer Hicks, Professional Dancer**  
*Saturday, June 21, 9:30am – 12:30pm*

**Celebrate the Summer Solstice!** In this workshop students connect with the secret life of plants through improvisational movement, deep listening and mediation. Using the Japanese dance form of poetic imagery called Butoh, students create dance that is an expression of nature. This is a fun outdoor workshop, designed for a broad audience - non-dancers, poets, scientists, actors and dancers alike. **No previous experience required. $40 ($35 NCBG members/student/senior)**

**The Village Band**  
**Outdoor Summer Concert**  
*Sunday, June 22, 4:00pm*

**Celebrate the Summer Solstice!** Our 2014 Summer Solstice concert will include classic American marches such as “March Grandioso,” “The Klaxon,” and “On the Mall” as well as symphonic band pieces such as “Hootenanny,” “October,” “Chorale and Shaker Dance,” “Man of La Mancha,” and “Just a Closer Walk With Thee.” The Village Band of Chapel Hill/Carrboro was organized in 1974 as a non-profit community concert band for the purpose of promoting classic town band music in Carrboro, Chapel Hill, and surrounding communities. It currently is comprised of about 60 members from their teens to their 90s, including high school and university students, professionals, and retirees. **Free.**

**Watercolor – The Tools We Use**

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**Author Event and Book Signing** Join us for a delightful presentation by author Ruth Moose, the 2013 winner of the Malice Domestic Competition for first traditional mystery novel. Her book, *Doing it at the Dixie Dew*, is a murder/mystery story with a botanical twist of the goings-on in an old Southern mansion turned into a bed-and-breakfast called *The Dixie Dew.* She was on the Creative Writing faculty at UNC Chapel Hill for fifteen years and lives in Pittsboro, North Carolina. **Books will be for sale.** “I loved it! So much fun to read—Ruth Moose has fashioned a fast-paced romp through small town society...mayhem and maybe even murder lurk behind those frilly lace curtains at the Dixie Dew B&B. This entertaining novel is just as rich and delicious as innkeeper Beth McKenzie’s lemon crème cake.” —Lee Smith, The New York Times bestselling author of *The Last Girls.* Following the event, Wendy Wenck, NCBG Herb Garden Curator, will lead a tour of the Mercer Reeves Hubbard Herb Garden and Poison Plant collection. **Free, but pre-registration required.**

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**Watercolor – The Tools We Use**

### Following in the Bartrams’ Footsteps: Program + Event Schedule

**Celebrating the artistic, botanical and literary legacy of American naturalists John and William Bartram**

**Special Exhibition August 30 – November 2, 2014 -- Find out more on pg. 19!**

<table>
<thead>
<tr>
<th><strong>Where the Land is the Star</strong></th>
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<td>One of the hot spots of the natural world was, and still is, North Carolina. Botanists, naturalists, and explorers gravitated here in the 18th and 19th centuries. Although the most celebrated plantsmen of their generations could be found exploring North Carolina, the real star was the land. Join Tom Earnhardt as he celebrates the Tar Heel landscape and the people drawn to it. <strong>$15 ($10 NCBG Members)</strong></td>
<td>In 1773, celebrated naturalist William Bartram embarked on a four-year exploration throughout the Southeast. His observations of native people, flora and fauna, geology, and other natural phenomena opened a window on a landscape and people then still remote and exotic, and electrified a broad range of Enlightenment and Romantic thinkers. This talk explores Bartram’s influence, from poets such as Wordsworth and Coleridge, to naturalists like Darwin and Asa Gray. <strong>Free, but advanced registration required.</strong></td>
</tr>
</tbody>
</table>

Advance registration is required for all programs unless otherwise indicated!  
ncbg.unc.edu/calendar/
made a gift sponsoring a promotional video for the Garden’s Horticultural Therapy Program.

As we go to press for the first time since the retirement of Laura Cotterman, I want to thank Jennifer Peterson for agreeing to edit and produce this landmark issue of the Newsletter. For more about Laura’s contributions and plans, please see a special article on page 17.

With thanks for the many ways in which your gifts and encouragement make possible the work of the Garden,

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

Lunch & Learn Series

Bring your lunch and join us for a free lecture! ...advance registration required
(ncbg.unc.edu/calendar/)

The Nature Cure:
Health Benefits of Urban Green Space
Thursday, June 19, 12 – 1pm
David Schwartz, Environmental Psychology Researcher

Urban green space is often viewed as simply an aesthetic or recreational amenity. In recent years, however, researchers working in a variety of fields have argued that urban green space should be recognized and valued as an effective remedy for various ills of modern civilization, such as obesity and attention-deficit disorder. In this talk, Schwartz reviews some research bearing on these questions, considers some obstacles that hinder city-dwellers from reaping the benefits of the green space available to them, and mentions some interesting new ways that different communities are weaving green space into their urban fabric. Free, but advanced registration required.

Sketching Nature:
Biological Illustration in History
Thursday, September 11, 12–1pm
Jennifer Landin, NCSU Professor and Artist

Biology professor and nature artist Landin discusses how paintings of birds, insects, and botanicals have advanced our scientific understanding, demonstrates the wide-ranging and influential effects of nature representation, and ponders the function of biological illustration today. Free, but advanced registration required.
Thank you to all who support the Garden, especially to the many whose membership dues and gifts were received in the period from January 28, 2014 to May 4, 2014.

**GENERAL SUPPORT**

Susan Abernethy
David and Judith Adamson
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Nora Murdock
Victor Nadler
Punita Nagpal
Linda A. Nangle
Geoffrey A. Neal
John Neal
Alan and Eloise Neebe
Henry W. Needham
Monica Nee
Craig and Karen Nelson
Robert C. Nichols
Anne Whitlock Nielsen
Sandy and Stanley Nolinder
Elaine and Joseph Norwood
Kathryn A. Odom
Charlotte Offerdahl
Bonnie and Dale Olbrich
Oliver Hamilton Orr Jr.
Bobbi Owen
Ariel M. Pani
Byron and Dolores Parry
Bill Pate
Cary and David Paynter
Jennifer Peifer
Carol and John Randolph
Perry
Dick and Jean Phillips
Ona and Peter Pickens
Amy and Paul Piersma
Deborah Pilling
Marylin and Robert Pinnschmidt
Barbara and Mike Pipkin
Nicholas Plummer
Sarah M. Pollard
Marty and Meg Pomerantz
Darlene and James Pomeroy
Herbert and Jackie Posner
Joe Poston
Cheryl and Jeff Prather
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Shannon Ravenel-Purves
Michael Ray
Jason Reed
Karla Reed
Nancy E. Reed
Andrea Reusing
Catherine D. Riggs
David and Margaret Ringenburg
Betty and John Rintoul
Lisa M. Ripperston
Margo and Richard Robbins
Elizabeth M. Robinson
Nancy Howes Robinson
Cosby and Robert Rogers
Helen J. Rogers
Debbie Roos
Donald and Donya Rose
Alton G. and Fran Ross
Andrew Ross
Tom and Susan Ross
Elizabeth D. Rovins
Michael E. Royals
Rachel Royce
Bruce Lee Runberg
Donald B. Russ
Eleanor S. Rutledge
Bruce Sampsel
Monica Riley Ramesky
Eric Jensen Sanchez
Jo Anne Sanford
Bradley Saul
Evelyn Savitzky
George Perry Sawyer Jr.
Elizabeth Scherrer
Gert and Ruta Schuller
David and Margaret Schultz
William K. Schwab Jr.
Brenda Scott
Christine Searl-Bouton
M. Susan Sewell
Laura and Paul Shedburn
Saran J. Shapard
Patricia J. Shaw
Rebecca Shaw
Mary K. Sheldon
Barry and Toni Shelton
Andrew B. Short
Mary and Darle Shouse
Elizabeth O. Schuster
Wesley Shuttleworth
David and Jacqueline Sices
Donald and Lee Ann Simon
Paula J. Sims
John L. Skau
Mickey Jo Sorrell
Jane Arnold Spanel
Jane H. Sral
Neil and Vonda Staahl
Fred and Alice Stahnle
Jeanette and Roy M. Stein
Linda Stender
Barbara Stenross
Alan and Maxine Stern
Daniel B. Stern and
Rosemary Bynes
Amy Stidham
Horst and Judy Stierand
Barbara L. Siles
Alan E. Stiven
Arthur N. Sturdivant
William R. Swindaman
Cass Swing
Zandra Talbert
Samuel M. Taylor
Sudie L. Taylor
Barbara Tepperman
Ann H. Terhune
Don and Sue Tiedeman
Douglas and Roberta Tilden
Thomas J. Tkacik
Mark P. Toles
Charlie and Jessica Tomberlin
Ginger and Jason Tomberlin
Jane B. Tomberlin
Mike Tomberlin
Carole and George Troxler
Jane and Bill Tucker
Caroline and George Unick
Maria Gargareta
Van De Veld
Roel C. van der Veen
David B. Vandermark
Mary Viguers
Andrea D. Vizoso
Mary Votta
Anahid and Kim Vrana
Bernice S. Wade
Bobby D. Wagner
Margaret and William Walker
Nancy D. Walker
Battles Park Endowment
Charlotte Timbergake
“Timmy” Battle
Rosemary M. Byrnes
Stephen Keith and Lisa Glover
Ron Knight
Alice and John May
John and Marguerite Stanback
Daniel B. Stern and
Rosemary Byrnes

Coker Arboretum
Gifts cont’d.

Randy and Cathy Lambe
Alice and John May
Gifford Scott

Botanical Garden
Library

Dianne Ford and O’Neal
Jones

Carolina Campus
Community Garden

Philip and Linda Carl
Erica Lorch
Margaret D. Cullough
Katie Stoudemire

Coker Arboretum
Endowment

Hannah M. Burris
Jim and Jean Fort
Frazier and Travis Hinman
Randy and Cathy Lambe
Bertha and Daniel Livingstone
Thomas C. Lutken
Harriet and D.G. Martin
Anya S. McDermott
Dane Meredith
Charles and Nancy Norwood
Judith and Warren Wegner
Anna B. Weil
Judith West
Janie D. Whaley
Leona and Bill Whichard
Dennis and Janice Whigham
Peter and Carolyn White
Mary C. Whitten
Hope Wilder
Ann and Del Williams
Pauline H. Williams
Stick and Teresa Williams
Beth E. Winter
Charley E. Winterbauer
Alice Wittenbach
Susan R. Wolf
Elizabeth H. Wood
Jane Woodward
Dana and Joe Woody
Gordon Worley
Donald and Elizabeth Wright
Yue Wu
Kathleen B. Wyche
Alice Zawadzki
Susan C. Zelt

Carolinas Moonlight Gala
Betsy and Walter Bennett
Sandra Brooks-Mathers and
Michael Mathers
Munroec and Becky Cobey
Betty Kenan
Josie Patton
John and Ashley Wilson

Children’s Wonder Garden
Jeanne and Monte Brown
Charlotte and Tommy Hughes
Cassie and Matthew Nielsen
Carol and John Randolph
Perry
Nancy M. Valencia
Patrick L. Vernon

Coker Arboretum
Expendable
Elizabeth Bragg Grey

Coker Arboretum
Water Feature
Thomas S. Kenan III

Conservation Fund
Jean K. Braxton
Laurinda Q. Burleson
Lauren Froimson
Maurice and Bobbi Wilkinson
Charles and Suzanne Plambeck
Syngenta Crop Protection Inc.

Education Center
Frederick L. Eldridge
Cynthia D. Kiely
Patricia Seiler
John Staclin and Elizabeth Loke

Educational Outreach
Fred and Duffy Askin
June and Mike Clendenin
Lauren Froimson

Forest Theatre
Saiandu Balu

Forest Theatre Restoration Fund
Stephen Keith and Lisa Glover

General Operating
Fund Endowment
Rita N. Mercer
Rosemary J. Wilson

Healing and Hope
Through Science
Tina Adams

Herb Garden Endowment
Nancy B. Foster
Christine Kessner

Horticultural Therapy
Garden
Munroec and Becky Cobey
Marcella and Paul Greender

Horticultural Therapy
Program
Barbara Carman and Larry Hodges

Fred & Virginia Houk
Sustainability Internship
Kiri W. Gagley

Garden Entry Landscape
Arthur and Mignon DeBerry
Marguerite Hutchins

Summer 2014 NCBG Newsletter 15
Gifts cont’d.

Betty J. King
Barbara Roth

Living Plant Fund
L.L. Dey
Monica Nees
Alan and Maxine Stern

Mason Farm Biological Reserve Endowment
Jack and Jennifer Boger
Mary Blair Bowers
C. Kay Briggs and Chris Hitt
Margaret and Stephen Chandler
Lisa Dailey
William Kaiser
Christopher J. Moses
Helmut and Nancy Mueller
Monica Nees
Kyle A. Roeder

Mason Farm Biological Reserve
New Hope Audubon Society
Richard Vance Wolfenden

Natural Areas Endowment
Jorge Asceio
Brian Barsanti
Jennifer J. Borri
Mary Ann Lawler
Daniel Lucas

Nature Explorers
Summer Scholarships
Central NC Mineral Club

Rosemary Collection
Herb Society of America – North Carolina Unit

Seed Collecting Fund
Anne Albright
W. Woodrow Burns, Jr.

Sculpture in the Garden
Kate Bottomley and
Jefferson Holt
Jane Coker Dunlap
Highland Vineyard Foundation

Tom and Margaret Scott Fund
Cynthia Keck Scott

Friends of UNC Herbarium
Mark Abec
Sharyn Caudell
Heather and John Dell’Omo
Gardener To Go
Joy and Paul Mermin
Sally Couch Vilas and Harry Goonder

UNC Herbarium General Endowment
Tom Wentworth and Linda Rued

Wildflower Program
J. and Laura Smith

GARDEN CLUBS
Colony Woods Garden Club
Chapel Hill Garden Club
Durham Council of Garden Clubs
Garden Club of North Carolina Inc.
Hillsborough Garden Club
Red Springs Garden Club

GIFT MEMBERSHIPS
Amanda Mixon—for Craig and Cassie Nielsen
Raggy Goel—for Raven and Deepak Voora
Charlotte Jones-Roe—for Andrew and Jess L’Roe, Benjamin E. Roe, and Mary McCluskey Hinton
Jim McQuaid—for Bev Koester
Stanley and Sandy Nolind—for Rebecca Shaw

IN HONOR OF
Cathy Bollinger
Jerec Scheitlin, for Conservation Fund

Pam Kahler
W. Hugh Craft, Jr., for Mason Farm Biological Reserve Endowment

Wayne E. Cash
Linda G. Cash

Delight and Jim Allen
Peter S. White

Sally Heiney,”Garden Ambassador X’ordinaire”
Cathy S. Cole

Jonathan and Mary Howes
Nancy H. Robinson

Karen & Michael Lazarus
Brenda B. Lazarus

Anne Lindsey
for her service on the Botanical Garden Foundation Board
Sandrea Brooks-Mathers and Michael Mathers
Jan and Jim Dean
Bob Eaves and Beverly Eaves Perdue
Marcella and Paul Grendler
Debbie Hill
Jonathan and Mary Howes
Mary Coker Joslin
Nell Joslin
Harriet and D.G. Martin
Scottie and David Nell
Nancy and Ed Preston
Missy and Sam Rankin
Stephen and Sandra Rich

North Carolina Natural Heritage Program Staff
For Penny’s Bend Trail Project
Anonymous
Roberta J Blue
Misty Buchanan
Charles E. Clement
Tom Earnhardt
Marie E. English
Bob Gordon
Cecilia Holden
Charlotte Jones-Roe and Chuck Roe
R. Michael Leonard
David W. Knight
Linda Pearsall
Bill Ross
Mickey Jo Sorrell
Bryn and Heather Tracy
Alan S. Weakley

Linda Pearsall
Charles E. Clement
Tom Earnhardt
Bob Gordon

Alexander Randolph Perry
Carol Perry

Bruce A. Sorrie
Allison Schwarz Weakley
Bernice Wade and Barbara Stiles
Phyllis S. Thomas, for Battle Park

Linda and Alan Rimer
Tom and Margaret Scott
Carol Tresolini
Sally Couch Vilas and Harry Goonder
Barbara and Bob Wendell

Steve Luck
Rebecca S. Coble

Carol Ann McCormick
Heather A Dell’Omo, for Friends of UNC Herbarium

Harriet Martin
Grier and Louise Martin

Jim Massey
Paul Nathaniel Mermín and E. J. Mermín

Nell Hatley Morton
Center for Creative Balance, Jim and Libba Wells
NCBG Staff
Sally Couch Vilas and Harry Goonder, for General Support and Friends of UNC Herbarium

Tom Wills
D. Peak, for Horticultural Therapy

Hanna Yin and Russell Coletti, on the occasion of their marriage
Kiri Wiggins Bagley, for the Fred and Virginia Houk Sustainability Internship Fund

IN MEMORY OF
Granny Abner
Ruth Amick

C. Ritchie Bell
Nell Hatley Morton and C.L. Morton

Janie Bryan
Nell Hatley Morton and C.L. Morton

Leon O. Bryant
Duffy and Fred Askin, for Education Outreach Scholarships

Isobel Bryant
Jessie E. McIntyre

Rob Gardner
Eleanor Spangler Rutledge and James H. Lesher

Charles “Chuck” James
Nell Hatley Morton
Margaret “Meg” Graham Kemper
William B. Gunn.

Ralph and Carolyn Karpinos
Susan and Allan Eure

JoAnn Levo
Roberta and Doug Tilden

Frances Riggsbee
John Gorman

Evelyn McNeill Sims
John and Jane Monroe

Stephen Steinmetz
Merle H. Mishel

Jane Nesbitt Wait
Chapel Hill Garden Club

MATCHING GIFTS
Bank of America Charitable Foundation—matching the gift of Dale Koch

ExxonMobil Foundation Matching Gifts—matching the gift of Jesse V. Noland, for Coker Arboretum Endowment

GlaxoSmithKline Matching Gifts—matching the gift of Linda Dawson

IBM Matching Grants Program—matching the gift of Susan Strine

Intel Foundation Matching Grants—matching the gift of Erica J. Sanchez

Merek & Company, Inc.
Matching Gifts—matching the gift of Joseph R. Westmoreland, for the Children’s Wonder Garden

Sherwin-Williams Company
Matching Gifts—matching the gift of James Schmidt

Winston-Salem Foundation
Matching Gifts—matching the gift of Claire and Hudnall Christopher

IN-KIND GIFTS
Margie Baldwin—books
Lauren Davis Deal—towels and kitchenware
Sarah Dendy—book
Patricia Gensel—books
Charlotte Jones-Roe—cleaning supplies and towels
Sunny Marlow—garden prints
Thomas O. Masters—Mantis tiller
Ken Moore and Kathy Buck—library supplies and equipment
Phil Rury—Dr. MacDonald’s Farmers Almanacs, in memory of C. Ritchie Bell
Louise Sahilstrom—books
Smith Turf and Irrigation—irrigation equipment for Carolina Campus Community Garden
Victoria Park Florist—cut flowers for horticultural therapy
Alan S. Weakley—Flora of Virginia
Dot Wilbur-Brooks—books
Claire Williams—book

Wish List
Consider donating items to the Garden! A full list of needs is listed at ncbg. unc.edu/giving-and-donations

A few items include...

Tractor & bush hog for Mason Farm Biological Reserve (new or used)

Garden tools & carts

Materials & labor to complete Children’s Wonder Garden
Laura Cotterman Retires

When Laura Mansberg Cotterman arrived in 2003 to edit the North Carolina Botanical Garden Newsletter and expand the Garden’s communications program, we were reassured by her background in botany, conservation, and editing as well as her ease with people. Laura soon brought our communications into the twenty-first century by adding Garden Notes and email updates, and even making forays into social media. One of her finest accomplishments is the Garden’s website, ncbg.unc.edu. The online presence Laura launched in 2005 is an attractive, informative resource we can hardly imagine not having today.

Laura took over as editor of the Newsletter upon the retirement of Sandra Brooks-Mathers, who had followed Dot Wilbur-Brooks as designer and editor. Under Laura’s leadership and with changes in technology, the Newsletter expanded in color and scope to communicate about every aspect of the Garden to members and beyond. Laura developed a Garden visual “brand” for publications and created colorful, compelling fundraising appeals to recruit members and financial support for ongoing operations as well as major projects like our LEED-Platinum Education Center. Her designs for informative brochures and interpretive displays will continue to help visitors find their way and understand the mission of the Garden.

With the availability of sophisticated publication software and digital media, and the needs of the rapidly expanding Garden, the Publications and Communications Coordinator position grew in scope and responsibility, with little accompanying increase in staff or budget. Weekends, evenings, events, and deadlines, Laura’s dedication and resourcefulness helped her meet every challenge set before her. She worked with everyone on the staff and represented the Garden well to UNC and the greater community.

Laura’s retirement plans include travel and more time to enjoy family and gardening – as well as writing and freelance editing. We hope that, after Laura returns from her travels and catches up with her weeding, she will bring her skill and creativity back to the Garden and take on a number of special projects. We miss Laura very much but wish her and her family well.

Please join us in welcoming Irina Olenicheva, a part-time temp in the business office. Originally from the former USSR, Irina came to the United States thirteen years ago when her husband began his PhD studies at UCLA in Slavic Languages and Literatures and Translation Studies. He taught at Princeton before joining the UNC faculty as an Assistant Professor of Russian. During a family outing in search of a respite from the August heat, Irina and her family discovered the North Carolina Botanical Garden and immediately fell in love with the beauty and charm of the Garden. Irina and her husband Stanislav have a daughter at Carrboro High. Irina enjoys reading, silk painting, and great conversations. Please stop by and welcome Irina to North Carolina Botanical Garden!

The Development Department is very pleased to welcome Victoria Smith back to the Garden as the Development Assistant. She is a recent graduate of UNC Chapel Hill with a degree in mathematics and a double minor in statistics and geography. You may remember her from the semester she worked with Sally Heiney and Chris Liloia. Victoria brings a quick mind, attention to detail and a great sense of humor. Originally from Saxapahaw, she is an accomplished horsewoman and owner of an Irish bred Connemara pony named Kieran. Victoria received a Frances Phillips Travel Scholarship and recently returned from 19 weeks of travel in Western Europe, exploring sites important to the history and development of classical mathematics. She is happy to be working at the North Carolina Botanical Garden and fondly remembers as a child visiting The Sisters’ Garden on Ghimghoul Road, where her father was the neighborhood postman.
Director **Peter White** spoke to the Chapel Hill Garden Club on April 29 on “Imagining the Future” for the Garden. He spoke to the Bartram Exhibit guides and committee on “The Quaker Botanists” on May 1. Peter taught 65 undergraduates in Conservation Biology at UNC, including 15 students in the first-ever Honors Section of this class. Peter won the 2014 Center for Plant Conservation (CPC) Star Award, which **Johnny Randall** accepted for him at the annual meeting in Minneapolis. Peter has served on the CPC board of directors for over 20 years, and this honor means that the North Carolina Botanical Garden has been recognized two years in a row with the Star Award!

The North Carolina Botanical Garden Award was presented to Renee Fortner at the 2014 Annual Meeting of the Association of Southeastern Biologists. This award is presented to for the best paper on the ecology, systematics, and conservation of southeastern plants. Renee’s paper was titled “Limited seed set and germination cues of the federally endangered perennial, *Thalictrum cooleyi*.”

The Garden bid a sad farewell to Rebecca Dotterer who served for the past year and a half as our first ever Garden Shop Manager. Rebecca brought the shop up to a high standard, developing many new policies and procedures, implementing new software and financial reports, improving the visual display of merchandise, and working with our dedicated staff of volunteers and work study students. The Shop is a treasured place at the Garden thanks to her hard work—and all of her work also resulted in increased income, a vital source of support in these times of state budget cuts. The whole staff sends a heartfelt thank you and best wishes to Rebecca, whose legacy means that the next Manager’s work will be so much easier.

Thanks, Botanical Garden Foundation (BGF) Board member **Debbie Hill**, for purchasing a “Dingo” for the Horticulture Department. This compact utility loader is useful on the narrowest paths. Pictured with the Dingo are horticulturists Christine Liloia, Sally Heiney, and Amanda Mixon. Thanks, Debbie!

**FALL IS FOR PLANTING!**
It’s time to mark your calendars for our Annual Fall Plant Sale

**Friday, Sept 26:** members’ night, 5–7:30 pm
(first pick of the plants, live music, & light refreshments)

**Saturday, Sept 27:** everyone, 9 am–12 pm

Members receive a discount—tell all your friends!

featuring a wide array of native wildflowers, ferns, shrubs, trees, grasses, and vines!
Join us this fall for two not-to-be-missed experiences: Following in the Bartrams’ Footsteps, an event-filled exhibition celebrating early American naturalists John and William Bartram, and the return of Sculpture in the Garden, the Garden’s spectacular signature juried art-in-the-garden event, now in its 26th year.

**Following in the Bartrams’ Footsteps**
August 30-November 2, 2014

**MEET THE TRAILBLAZERS**

Early American explorers John Bartram and his son William traversed the American colonies’ eastern wilderness from the 1730s to the 1790s, discovering and documenting for the first time the remarkable flora, fauna and Native American culture.

This exhibit of 44 contemporary botanical Illustrations of their plant discoveries will be further enriched with over 25 literary, artistic and hands-on events. Take a walk in our Garden and view native plants discovered by the Bartrams. Enjoy a self-guided tour to study the Southeast’s botanical wonders. Browse daily sales of Bartram-discovered plants and related items in the Garden Shop. Attend docent tours, talks, workshops, family events, poetry, and come meet award-winning authors Andrea Wulf and Charles Frazier.

**Sculpture in the Garden**
September 21-December 7, 2014

**DISCOVER ART IN NATURE**

One of the Triangle’s most anticipated art events, Sculpture in the Garden showcases original works of North Carolina sculptors in the Garden and the exquisite relationship between art and nature. Over 25 stunning pieces composed of concrete, wood, marble, ceramic, and more will be judged for Best in Show and People’s Choice Awards.

Relax and experience nature, art and the great outdoors at Sculpture in the Garden on view September 21 - December 7, 2014.

Preview Party, September 20, 4:30pm-7:00pm

Our 1st Artist in Residence: Patrick Dougherty
October 6 - 24
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!

Art at the Garden
showing in the DeBerry Gallery . . .
May 1—June 30, 2014
Overlapping Images of Nature
paintings by Trena McNabb

“We are responsible for our earth and should look beyond the obvious beauty and see how our lives are interwoven and overlapping with nature.”
—Trena McNabb

“Her paintings are a journey into ourselves. Flawless compositions and thoughtful renderings thoroughly engage the viewer. Joyful and intellectual. The inspired work of an artist with much to say about the richness of our lives.”
—Maggie Wilson, Morning Star Gallery; Blowing Rock, NC

July 2 – August 21, 2014
Botanical Art and Illustration 2014 Graduate Exhibit

Works by the five 2014 Graduates of the Garden’s Certificate in Botanical Art and Illustration program. Classmates Connie Cohn, Katharine Reid, Patricia Selzer, Camilla Tulloch, and Roberta Vandalen exhibit examples of their work in assorted media. Please join us for an Opening Reception, Sunday, July 20th at 3:30pm in the DeBerry Gallery.

Garden Hours
Weekdays Year-round: 8 am – 5 pm
Weekends June–Aug 2014
Saturdays 9 am – 6 pm
Sundays 1 pm – 6 pm
Consult our website for holiday closings