By the time you read this letter, I suspect that concerns about the state’s budget shortfall will have been resolved; at least I hope so. I had always planned to talk about our own financial “background noise,” but doing so within the unexpected backdrop of the state’s breaking budget news makes it even more timely. Within the span of several months, I outlined the JCRA’s budgets, positions, and long-range picture in presentations to our staff, the Department of Horticultural Science, our Board of Advisors, and our Friends group. If you missed it, this presentation can be viewed on our Web site <www.ncsu.edu/jcraulstonarboretum>. A significant message coming from those presentations is that most of our finances are derived from private sources.....mainly YOU, our members. Through your annual dues and donations I’m able to maintain a “soft money” salary budget of about $95,000.00/ year, pretty impressive - I think. When there is talk of state budget retrenchment, many of our staff positions are immune, however, our operations would not necessarily be so. For example, we do share a secretary with other departmental faculty members, a position that is currently held temporarily by Elizabeth Abrams following Sandie Holdan’s departure. We have not been given permission to hire a permanent person, but I’m optimistic we will be. However, should that position be “lost,” our operations would be seriously impaired. In essence, we do have to rely on state budgets, primarily from an operational perspective, and several of us, myself included, are on hard money positions from the state. Bottom line, the JCRA is part of one of the finest state university systems in the country. Supporting the universities means supporting the JCRA, so please remember that as you filter through the rhetoric and the politics!

I am absolutely delighted to report about another greatly successful Gala event! This year’s overall net revenues were, as of this writing, $42,800.00. As planned, we will split that figure to support our development efforts ($20,000.00), provide seed money for next year’s Gala ($2,800.00), immediately support our general operations ($10,000.00), and formally kick-off our new JC Raulston Arboretum Endowment to the tune of $10,000.00. This will be supplemented by several endowment-specific donations that came in just prior to the Gala. Endowments are cool.....they are security blankets for the future, and getting ours going is a major step towards securing our future. Being able to move one or more position salaries off soft money and onto the predictability of endowment income is where we want to be.

We hosted over 100 tours last fiscal year, but few can compare to the recent hosting of the American Hosta Society which took place in mid-June. Over 400 folks converged on the JCRA for an evening supper and self-guided and guided tours. During the day we were pelted
The JC Raulston Arboretum Staff

Bob Lyons, Ph.D.
Director

Todd Lasseigne
Assistant Director

Jason Burris
Student Assistant

Anne Calta
Student Assistant

Nancy Doubtava
Interpretive Specialist

Frankie Fanelli
Intern/ Volunteer Coordinator

Christopher Todd Glenn
Programs and Education Coordinator

Mitzi Hole
Research Technician

Sheila Kellogg
Student Assistant

Valerie Tyson
Plant Recorder

Cindy Lambert
Student Assistant

Sarah Lane
Student Assistant

Donna Walker
Development Associate

The JC Raulston Arboretum Office is staffed by volunteers.

with on and off hurricane-like rains, but it cleared up as if on cue as the nine, yes nine, buses rounded the corner. It was a great opportunity to showcase the JCRA to people from all over the U.S. and gain new members, even if the ground was a bit soggy. Each visitor received a specially designed “hosta map” of our collections, and specific hostas were visibly tagged throughout the JCRA. These tags and the self-guided tour map will remain available for some time.

On the programs front, you have no doubt gotten the word that we’ve assembled one incredible symposium for September 28 & 29, 2001. The speakers are nothing short of cutting edge plant mavens, highly respected, accomplished, and enthusiastic by any standards! You will walk away digesting their comments for weeks afterwards. Whether you’re into woody, herbaceous, hardy plants, or otherwise, this symposium is for you......and it will be a great way to celebrate our 25th year as an arboretum. Coupled with the event will be our “Moonlight” in the Garden, a display of garden lighting that mesmerized our visitors so much last year. “Moonlight” in the Garden will be part of the symposium ticket, but will also be a stand-alone event for those who cannot attend the symposium. As always, keep checking our Web site for unfolding details of any event at the JCRA.

I’d like to formally welcome Frankie Fanelli, who has stepped in to fill our Volunteer Coordinator position while Nancy Margaret Brodd takes some time with her new baby. The spring volunteer trip to Daniel Stowe Botanical Garden <www.dsbg.org> was excellent. Frankie has hit the ground running and fits beautifully into our organization. She most recently created a new project for our volunteers who wish to work in the evening....they are helping out in our Annual Trials Area, keeping it weed-free, deadheaded, and in great shape. Frankie is not the only new person around here. In addition to Anne Calta and Jason Burris, we are also fortunate to have Sarah Lane and Cindy Lambert joining us. The NC Commercial Flower Growers Association has generously helped to support Cindy’s position through a $1,000.00 contribution.

Did you know that the fastest growing segment of the population in the Triangle area is people of Hispanic origin? Well, in addition to providing a Spanish language version of our Welcome Sheet, we’ve invited this group specifically to the JCRA through “El Festival del Jardin.” With great help from the NCSU International Office, our own volunteers, and business leaders in the Hispanic community, July 14, 2001 was a special day, complete with bilingual tour guides. This is a brand new and important direction for our development and interpretive activities.

And finally, I am delighted to mention (but I cannot imagine you haven’t heard by now!) the resumption of our plant collecting and exploration efforts. Our Assistant Director, Todd Lasseigne, traveled to Japan and the Republic of Georgia this past summer. He was in Japan to give a talk to the Japanese Tree Growers Association, and then flew off to Georgia for several weeks of collecting with peers from other gardens in the U.S. You will hear more about Todd’s travels, that’s for sure. Watch our acquisitions change not only in sheer numbers but also in diversity and depth. This is exciting stuff and is right in keeping with our long-range plan. If Todd’s e-mails are any a measure of his success, well, move to the edge of your seat! He not only returned with plants, but with untold goodwill of new found friends and allies in the plant world, which will benefit us for years to come, as we hope we will also be there for them. This trip was made possible through monies from the J.C. Raulston Distinguished Professorship, the North Carolina Association of Nurserymen, Bobby Ward, Chip Calloway, and a matching grant from CP&L.....kudos to you all!

Whew, that’s all for now, and not a word about the McSwain Education Center......so far, so good. Stay tuned!
The genus *Rudbeckia* consists of about 25 species of annual, biennial, or perennial herbaceous plants native to most of North America, except for the extreme northern and southern regions. Most species are concentrated east of the Rocky Mountains (Liberty Hyde Bailey Hortorium, 1976). This genus, a member of the *Helianthus* tribe within the Asteraceae, was named by Linnaeus after father and son Swedish botanists Olaus and Johan Rudbeck (Gledhill, 1989; Kochanov and Chailakhyan, 1986). *Rudbeckias* are pollinated by insects and, in at least three species, the ultraviolet (UV) reflection patterns are different enough to allow for pollinator discrimination (Abrahamson and McCrea, 1977). There are at least two apomictic species, *R. triloba* and *R. laciniata*, while *R. hirta* is an obligate outbreeder (Abrahamson and McCrea, 1977). Little evidence of interspecific hybridization exists even though colonies of two or more species may frequently occur in close proximity to one another (Perdue, 1957).

*Rudbeckia hirta*’s inflorescence has a prominent central cone of disk florets, normally purplish black, with an outer ring of ray florets that are bright yellow or yellow with rust markings, giving rise to the common name “black-eyed Susan” or “coneflower.” The stems and leaves are coarsely hairy. The species has been considered an annual, biennial, or short-lived perennial in the wild or garden, depending on location and genetic background. While native to North America, *R. hirta* is one of the most common species and is frequently observed throughout the world as a naturalized plant. As cultivated plants, *R. hirta* selections have a non-uniform appearance; bloom from July through August; are not consistently available in the trade; and perform well in gardens, prepared wildflower meadow mixes, and as a species component of highway beautification projects. They make excellent cut flowers. For successful cultivation in the home garden, use well drained soils since moisture retentive media is their nemesis. *Rudbeckia hirta* should be on everyone’s drought tolerant gardening list. Full sun is a must for optimal performance. It is likely that powdery mildew will invariably infest your plants by summer’s end, but don’t worry about it. What blemishing appears will be short-lived and will soon succumb to the impending frosts and freezing temperatures.

The many known forms of *R. hirta* have led to an often confusing plethora of varietal names (Gray Herbarium, 1968). Okay, try to follow this trail: Clute (1913) reported one variation in ray floret coloration as a form of *R. speciosa*, then known as *R. bicolor*. The Gray Herbarium lists *R. speciosa* as a variety of *R. fulgida*, and *R. bicolor* as a variety of *R. hirta* (Gray Herbarium, 1968). In his work with color variation in *Rudbeckia*, Clute (1913) divided the three main color forms into *R. hirta* var. *bicolor*, *R. hirta* var. *ruber*, and *R. hirta* var. *annulata*, yet he also concluded that these forms were unstable. Later, Clute (1924) reported that the form of *R. hirta* with a red blotch at the base of each ray floret was *R. hirta* var. *pulcherrima*, the same color form he previously listed as *R. hirta* var. *bicolor*. To further confuse the taxonomic listing of this species, Fernald and Schubert (1948) identified the species *R. hirta* var. *pulcherrima* as a varietal form of *R. serotina*. This conclusion was based on its strong tendency to sport, whereas *R. hirta*, originating from an older ecological region, was reportedly stable. Perdue (1957) reported *R. bicolor* to be synonymous with *R. hirta* var. *pulcherrima* as first listed by Farwell (1904).
The Gray Herbarium later listed R. bicolor as a variety of R. hirta, separate from R. pulcherrima, and reduced R. serotina to a variety of R. hirta. Most recent classification places R. bicolor synonymous with R. hirta var. pulcherrima Farw. (Liberty Hyde Bailey Hortorium, 1976) or just R. hirta L. (Huxley et al., 1992), yet it is likely that all these plants are marketed today for ornamental use simply as R. hirta.

As cultivated plants, R. hirta selections may be loosely distinguished based on three features: flowering plant height, ray floret color, and single vs. double inflorescences (number of ray florets). ‘Becky’, a true diminutive standout, is one of the shortest cultivars, growing no taller than 8 to 10 inches. Plant stature appears to be the main breeding objective in developing ‘Becky’, because its flower size is variable and inflorescence colors range from pure gold to heavily flushed with brown. ‘Toto’, on the other hand, is equally as short but reliably golden in flower color. Taller cultivars that reliably produce brown or maroon-marked golden flowers include, but are not limited to, ‘Autumn Forest’, ‘Chim Chiminee’, ‘My Joy’, ‘Nutmeg’, ‘Sonora’, ‘Sputnik’, ‘Summer Light’, ‘Rustic Colors’, and ‘Rustic Dwarfs’. Unmarked, yellow-gold flowers are generally produced by ‘Golden Daisy’, ‘Goldilocks’, ‘Marmalade’, and ‘Pinwheel’, all of which exhibit some degree of doubleness. In this group, ‘Goldilocks’ is the shortest and is similar in size to ‘Becky’. ‘Double Gold’ and ‘Double Daisy’ are largely what their names imply – monochromatic inflorescences composed of abundant ray florets, resulting in dramatic double flowers. One of the newer cultivars, ‘Indian Summer’, is a 1995 All-America Selections winner. Each ‘Indian Summer’ inflorescence reaches 6 to 8 inches in diameter and has golden-yellow rays and dark disk florets. The less than distinct difference among some R. hirta cultivars leads to the suspicion that some cultivars may be synonymous, depending on the seed source. ‘Irish Eyes’, however, is a uniquely beautiful cultivar that possesses a greenish, rather than brown, cone of disk florets. This trait has been incorporated into a bedding plant release of Sanvitalia procumbens Lam., also named ‘Irish Eyes’, and a close relative of the genus Rudbeckia. ‘Gloriosa Daisy’ and ‘Double Gloriosa Daisy’ are tetraploid strains tending to be more reliably perennial than other cultivars but still blooming the first year from seed as do their diploid counterparts.

In the 1920s, the pioneering team of Garner and Allard (1925) first described R. hirta as a long-day (LD) plant. Simply put, this means that this plant will form its flowers best when the period of light in a single day photoperiod exceeds some critical number of hours. As reported by Murmek (1940) and Orvos and Lyons (1989), plant height in R. hirta can be controlled by photoperiodic manipulation of its bolting behavior. While in the vegetative stage, the species maintains a flat rosette (cluster) of leaves. The onset of flower initiation, however, is easily detected by a noticeable arching of the foliar canopy upward and away from the soil surface. The central stem elongates shortly thereafter and may eventually attain a length of 3 feet at the time of actual flowering, depending on the cultivar. Sensitivity to photoperiodic induction increases with age, with the peak sensitivity occurring after the plant has produced about 14 expanded leaves (Harkess and Lyons, 1993; Orvos and Lyons, 1989). This stage signifies maturity in R. hirta and at least 14 LDs are required for the plants to flower.

On the more esoteric front, ecotype origin has a profound effect on the flowering response of R. hirta. Plants native to Texas are less dependent upon LD for flowering, while those from more northern latitudes are much more dependent upon LD to flower (Beckwith, 1991). Ecotypes from southern latitudes also flower earlier and have more leaves on shorter stems than ecotypes from northern latitudes.

For several years, I’ve been talking about the great attributes of this plant for garden use. It is now showing up in seed catalogs in great abundance, in a wide variety of cultivars. Rudbeckia hirta is becoming more commonly seen in commercial landscape projects as well as in the inventories of garden centers. Its long lasting flowers will reward your interest!

**Literature Cited**


By Mitzi Hole  
Research Technician

It has been another busy spring and summer so far. I was able to take a 10-day vacation to Puerto Vallarta, Mexico, which just happened to occur the week before and during the Gala. I really appreciate Anne Calta and Jason Burris for taking care of the Arboretum and working during the Gala. They are wonderful helpers and allowed me to leave and not worry about the event.

We have been successful with our transplantings from the construction site. So far only one Cercis (redbud) has died. Of course, we still have to get through the dry parts of the summer, this first year being critical.

We mulched the Arboretum with leaf mulch this winter. We were fortunate to obtain 400 cubic yards from campus. Using leaf mulch in the beds is much better for the soil as it breaks down. I have found it holds the moisture in the soil better and keeps weeds down better than pine straw. We hope to get the City of Raleigh to dump their collected leaves on site this fall so we can compost our own. Bradley Holland and Christian Gibbs were back savers in helping us spread out the mulch. We also used a new piece of equipment that several of the projects at the Horticulture Field Laboratory (HFL) contributed to bring out the mulch.

The late freeze we had in April damaged and killed a few newly planted shrubs and trees. We really hated to lose the Michelia that had been planted in the newly renovated crapemyrtle bed.

The students and I have been sticking cuttings galore for the FOA Annual Plant Distribution and Connoisseur Plant program. We have been experimenting with softwood cuttings of some deciduous and evergreen trees, and are trying a different hormone formulation that Coor Farm Supply produces, CMone K+. Todd Lasseigne has me keeping better propagation records, knowing how much I like to use the computer, for better documentation of rooting results.

Once again our favorite orange tabby, Milo, has hurt himself. He was limping on his left rear leg. The great folks at the Vet School and Kelly Ferris, DVM found he had destroyed the ligaments in his knee. So he was once again confined to a kennel for 6 weeks to heal. We went through this 3 years ago when he broke his leg. We took his kennel out into the garden during the day so he had some entertainment. He was a very good patient. Thanks to Carolyn Fagan for the use of the kennel.

Keep up your rain dances so the Arboretum has plenty of rain this summer.
Herb Corner – Thyme

By Cynthia Dowdy
Volunteer Gardener

European settlers first brought thyme to the United States to be used for culinary purposes. However, gardeners have been enticed to utilize thyme in landscaping because of its pungent aroma and the variety of textures, colors, and shapes. Thyme originates from the dry Mediterranean regions of Europe and North Africa and is of the mint family (Lamiaceae). There are many different varieties of thyme, all of which are edible. However, each variety has a different fragrance and taste. There are basically two types - upright and creeping. Thymus vulgaris, an upright thyme, having a large leaf size and being easier to harvest, is used more in cooking than the creeping selections which are primarily used for landscaping. Spreading or creeping thymes can be planted in cracks of paving stones, walls, and in pots. Leaves of thyme can be variegated, dark green, golden, and woolly or smooth in texture. Flowers range from white and light pink to rose and purple.

Cultivating Thyme

In the South, thyme is a perennial and grows best in full sun to partial shade in soil that drains well. If the soil becomes too moist, root rot may occur. Thyme also grows best in a slightly alkaline soil. In a well drained clay pot, a mix of thymes adds rustic beauty to the garden and creeping thyme adds a nice undercover to potted tree shaped plants such as Laurus nobilis (bay).

The best way to propagate thyme is by stem cuttings or dividing in fall or early spring. Plants grow 1 to 12 inches high and 4 to 12+ inches wide. To prevent thyme from becoming woody, regular light pruning starting in the spring is recommended. Thyme may be cut back to the ground in late winter if it becomes ragged and unshapely.

Culinary Uses

For cooking purposes, harvest thyme leaves just before the plants bloom when the flavor is most intense. Dry the cuttings on paper towels or hang them in a loose bunch to dry. Strip the dried leaves from the stems and store in glass jars with lids; use the remaining woody stems on coals when grilling to add additional flavor to meats and vegetables. Thyme added to mayonnaise makes a good sandwich spread (2 tablespoons to 1 cup of mayonnaise) and herb butter made with thyme is delicious on vegetables, rice, potatoes, breads, and in sauces. Soups and roasted chicken are enhanced with a light flavoring of thyme. Thyme may be used as a substitute for salt and is great in an egg omelet along with chives and a soft cheese such as cream cheese or brie.

Medicinal and Other Uses

Herbal research has been conducted in Germany for many years, resulting in the discovery of thyme as an expectorant and antispasmodic medicine used to treat bronchitis, coughs, and congestion.

Thyme is also used to aid indigestion and has antiseptic and antioxidant properties. Thyme sprigs placed in closets and drawers will repel insects and moths. If you are an apiarist, you may want to plant thyme nearby, as it is a favorite bee plant. According to some vegetable gardeners you may want to plant thyme near eggplants, tomatoes, and potatoes to aid in their growth. Thyme is also used in living wreaths, which make wonderful gifts, especially when recipes are included.

Further Reading


Plant Collections Update

By Todd Lasseigne
Assistant Director

The past 12 months have seen a great influx of new plants into the Arboretum. Some of these were displayed at our booth at the 2001 Green & Growin’ Trade Show in Winston-Salem in January, with a great deal of interest being expressed. Suffice it to say there are many more coming. From my collecting trip in August 2000 to Oregon and Washington to acquisitions from southeastern U.S. nurseries on short trips to Alabama, Louisiana, South Carolina, and Texas, to exchange with arboreta and botanical gardens, our nursery pad growing areas are full. (See below!) Rest assured there are many more exciting plants to come. Stay tuned!
The Evening Garden is based on Peter Loewer
Room 159, Kilgore Hall, NCSU Campus
Free for members – $5.00 for non-members
7:30 PM
September 20, 2001 (Thursday)
Peter Loewer
"The Evening Garden"
Friends of the Arboretum Lecture
Room 159, Kilgore Hall, NCSU Campus
The Evening Garden is based on Peter Loewer’s book of the same title, soon to be reissued by Timber Press. It's all about plants with flowers that either bloom in late afternoon and into the evening or are fragrant at the same time. Perennials and tropicals are covered, in addition to a number of strange plants that have adopted the night as their own time of day.

Peter Loewer is a botanical artist and a writer of books dealing with natural history and gardening. He has written over 30 titles. His book “The Wild Gardener” has won four awards and was chosen as one of the best 75 books of the last century by the American Horticultural Society, while “The Annual Garden” was picked as one of the best 50 books by the USDA Horticultural Library. He has a degree in the graphic arts with a minor in art history. To bring a bit of humor to his horticultural existence, he reviews movies in Asheville and is an expert in horror films. He also has a weekly radio spot on WCQS, Public Radio in Asheville, called “The Wild Gardener.”

Plantsmen’s Tour
“Broadleaf Evergreens”
September 26, 2001 (Wednesday)
1:00 PM to 2:30 PM
Free
As icon plants of the south, broadleaf evergreen trees and shrubs are essential parts of any southern landscape or garden. Come join Todd Lasseigne and expand your palette of this wonderfully diverse group of plants. Please meet at the brick building at the Arboretum. The tour departs at 1:00 PM and is free and open to the public.

"Moonlight” in the Garden
September 28 & 29, 2001 (Friday & Saturday)
7:30 PM to 9:00 PM
$10.00 – NCSU students
$15.00 – J CRA members
$20.00 – Non-members
A once a year opportunity to see the fall beauties of the JC Raulston Arboretum complemented by the garden lighting talents of John Gamer of Southern Lights.

Annual Plant Distribution
October 6, 2001 (Saturday)
Free – Members only (memberships will be sold and renewed the morning of the giveaway)
Registration – 7:30 AM to 8:45 AM
The giveaway beings at 9:00 AM and lasts for only a few minutes. Those who arrive late will be disappointed!
Free plants! Bring containers or carts to carry all your new plants. Please bring your membership card. One admission per membership card. A children’s tour will depart at 8:45 AM.

Friends of the Arboretum Lecture
“Spring Flowering Bulbs: To Perennialize or Not!”
Frankie Fanelli
October 18, 2001 (Thursday)
7:30 PM
Free for members – $5.00 for non-members
Room 159, Kilgore Hall, NCSU Campus
Spring flowering bulbs should be growing in every North Carolina piedmont garden! Frankie Fanelli will discuss the best bulbs that have proven to perennialize in this area. She will make the case for those spring bulbs that do not return with vigor but are worth the annual show! The science of bulbs that every gardener should know will also be included. Both gardeners and travelers alike will enjoy the background photographs taken during an educational tour of the Holland bulb industry.

Frankie Fanelli is the curator of the Paradise Garden at the J CRA and a Master’s student in the Department of Horticultural Science at NCSU. Her affinity for flowering bulbs began as a student and assistant to Gus DeHertogh, Ph.D., a leading flowering bulb physiologist. Frankie participated in an educational tour that focused on all aspects of the Holland bulb industry. She has conducted research on Lilium longiflorum ‘Nellie White’ that is currently being published. Her work experience has included many geophytes including Allium, Tulipa, Hippeastrum, Hyacinthus, Lilium, Narcissus, and Ornithogalum.

Plantsmen’s Tour
“Autumn Blazes”
October 24, 2001 (Wednesday)
1:00 PM to 2:30 PM
Free
With the fall season underway, join Todd Lasseigne to observe and study the amazing range of deciduous trees and shrubs, as well as some evergreens, that peak during the waning months of the year. Please meet at the brick building at the Arboretum. The tour departs at 1:00 PM and is free and open to the public.

Friends of the Arboretum Lecture
“Hold Onto Your Seats! A ‘Round-the-world Tour of Fabulous Plants”
Todd Lasseigne
November 15, 2001 (Thursday)
7:30 PM
Free for members – $5.00 for non-members
Room 159, Kilgore Hall, NCSU Campus
From the Far East of Asia to the Far East of Europe, join Todd Lasseigne in a round-the-world tour featuring people, places, and plants seen or collected on his recent trip to Japan and expedition to the Republic of Georgia. This one will be a whirlwind tour, so be prepared to hold on for those spring bulbs that do not return with vigor but are worth the annual show! The science of bulbs that every gardener should know will also be included. Both gardeners and travelers alike will enjoy the background photographs taken during an educational tour of the Holland bulb industry.

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The song says “Butterflies are free,” but at the 2001 Gala in the Garden they went for the low, low price of $5.00 – still a bargain. Gala chairperson Judi Grainger and her crackerjack crew of volunteers created a wonderful experience for the nearly 400 guests on Sunday afternoon, May 6, 2001. After registration and greetings by Director Bob Lyons, Judi and her husband Frank Grainger, and Ruby McSwain, the Gala guests stepped into the Klein-Pringle White Garden. There, members of the Raleigh Garden Club distributed the evening’s programs.

From there on, the pace of the evening really kicked up a notch. Delicious hors d’oeuvres were passed, the bartenders got to work in earnest, and the silent auction began. Bids were written and challenges made. Who’ll get that 5-foot, 250-pound wooden penguin? What’s that collection of hostas going for? Who’s got the top bid on that B&B gift certificate? Whew! The bidding closed. Calculations were made. Those planning to stay only for the cocktail party lined up to pay while the dinner crowd strolled over to the dining tent.

The decorations committee, under the leadership of Jane Hamlin and Ivey Robinson, created a wonderland of ferns, flowers, and butterflies. The colors were dazzling and the mood festive. Bob Lyons welcomed the dinner guests and introduced the auctioneer for the evening, Rufus Edmisten. The “creme de la creme” of the auction items had been saved for the live auction held during dinner. Items went quickly and everyone settled down for a wonderful dinner chosen by food committee chairman George York and created by the staff at Catering Works. After dessert and coffee, Rufus went back to work, auctioning off the final items. A well-fed and happy crowd strolled back through the garden, now shadowed by nightfall and lit by tiki torches.

Another magical evening in the JC Raulston Arboretum. Won’t you join us next year?

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Special thanks to:
Eyebeam
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Raleigh Garden Club
Revels Tractor
Lucy Ringland

Above: Patsy Hopfenberg (left) eagerly waits to place a bid on a plant at the Gala auction.
Photograph by Christopher Todd Glenn

The Gala in the Garden 2001 invitation won first place in the National Agricultural Alumni and Development Association’s (NAADA) annual convention competition. The convention is held around the country on an annual basis - this year it was hosted by our very own NCSU College of Agricultural and Life Sciences Development Office. Congratulations to designer Patrice Cherry and Miles Wright.
By Donna Walker
Development Associate

As everyone should know, the McSwain Education Center is underway and the contractor is giving us the very optimistic completion date of March 2002. Time is getting short for making a donation toward the building and its contents. Over the last few years we’ve had many fund-raising events and opportunities, but there are still various opportunities for those interested in supporting the construction and furnishing of this long awaited home for the staff, volunteers, and visitors to the JCRA.

Many of you may not be in a position to accept one of the naming opportunities and we’d like to point out two ways you might like to consider. One of our most popular fund-raising endeavors has been the engraved bricks. For a donation of $100.00, you may have a brick paver engraved with the message of your choice and placed in the pedestrian walkway at the entrance of the Education Center.

Another way to show your support to the Education Center is the contribution of $250.00 for the naming of a folding chair which will be used in the classrooms and auditorium.

Imagine bringing your friends or family for a stroll through the JCRA and casually pointing out your brick, or taking a seat at one of our fantastic lectures and saying to your neighbor, “Oh, I see you’re sitting in my chair. No, no, don’t get up!”

Becoming a part of the JCRA with an engraved brick or a named chair is an excellent way to commemorate a wedding, graduation, birthday, or to give a gift to yourself! Call Donna Walker at (919) 513-3826 for more information or to have a brick or chair order form sent to you. It’s easy, it’s quick, and it helps the Arboretum. What’s stopping you? Call us!

Listed below are the naming opportunities still available for your consideration:

- **Perennial Border** – $500,000.00
  The 300-foot ramp leading to the Roof Terrace Garden will be flanked by a glorious border created by the designers of the Arboretum’s existing perennial border.

- **Entrance Pavilion & Gift Shop** – $350,000.00
  This facility will be the entrance to the gardens, as well as a display area for plants important to our neighbors in the warmer coastal Carolina climate.

- **Horticultural Field Laboratory (HFL) Shop & Offices** – $300,000.00
  The Arboretum is supported by HFL staff and services. Tucked away in a non-public area, this facility is essential.

- **Parking Area Garden** – $100,000.00
  All driving visitors will first see this lovely landscape feature of the Education Center.

- **Roof Terrace** – $100,000.00
  The entire Roof Terrace exhibits shallow bed gardening techniques important for urban gardens.

- **Catering Kitchen** – $50,000.00
  The center of activity for all events hosted at the Education Center, the Catering Kitchen is a crucial facility.

- **Volunteer Room** – $50,000.00
  Volunteers are at the heart of all Arboretum activities, so this will be the hub of every facet of the Arboretum’s outreach.

- **Quilted Wood Reception Desk** – $25,000.00
  A quiltwork of wood veneers from trees around the world will create a very special feature.

- **Oak Grove** – $10,000.00
- **Magnolia Grove** – $5,000.00

Donors of $5,000.00 and more will be recognized on a plaque on permanent display in the Education Center.

- **Spruce Grove** – $1,000.00
- **Dogwood Grove** – $500.00

Names of all contributors of $500.00 or more will be placed in a ledger of donors in the Education Center.

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**Part-Time Gardening/ Landscaping Instructors Wanted**
Wake Technical Community College is hiring part-time instructors to teach gardening/ landscaping in their evening continuing education program. For more information, contact Bill Terrill at (919) 662-3445 or e-mail <wilterril@ gwmail. wake.tec.nc.us>.

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**Pi Alpha Xi’s Annual Plant Sale**
September 22 & 23 (Saturday & Sunday)
8:00 AM to 4:00 PM & 10:00 AM to 3:00 PM, respectively
The horticultural extravaganza returns: the semiannual Pi Alpha Xi Plant Sale. For more information, please call (919) 515-3178 or (919) 515-1220 and ask for a PAX member or visit their Web site at <www2.ncsu.edu/ unity/ lockers/ project/ pialphaxi/ sale.html>.
Happy summer! The garden is buzzing with bees and busy volunteers participating in all sorts of activities that make the Arboretum even better. Nancy Margaret Brodd wishes you to know that she misses seeing you all. She and her husband, Bob are now the happy and proud parents of a beautiful baby girl, Bailey Anne, born June 26, 2001. Nancy Margaret, you certainly are missed, especially since this is the high season for garden activities!

Did you receive your Volunteer Newsflash? The next six months are packed full of JCRA activities that include many volunteer opportunities. My solution to getting the word out is via a monthly Newsflash! My intention is that each active volunteer gets the word and can choose volunteer activities! Please take the time to contact us. This saves valuable volunteer time spent contacting you!

Volunteer Luncheon

If you missed the annual volunteer luncheon held April 24, 2001, then you missed good food, outstanding companionship, and probably a new plant for your collection. Sixty-six volunteers attended the lunch along with the JCRA staff. Nancy Margaret opened the gathering with warm words of thanks and sad words of farewell. The top volunteers for 2000 were then recognized (see listing) for sharing so much of their personal time and talents. Mitzi Hole and her crew did an outstanding job of providing a healthy supply of plants for door prizes. And, I do mean prizes as most of the volunteers in attendance received a plant. Bob Lyons provided some most unusual tender perennials. Bob and Todd Lasseigne expounded the virtues of each plant prior to each drawing. Their commentary not only provided entertainment but also imparted knowledge about some unusual plants. A number of volunteers were observed penciling in plants on their plant “wish” list!

Stowe Field Trip

Our spring fun continued with a field trip on May 8, 2001 to Daniel Stowe Botanical Garden <www.dsbg.org>. Forty-seven volunteers and staff boarded a luxury coach (coordinated by Beth Jimenez) and headed for Belmont, NC. Dan Rhoades, Director of Education and Research, graciously coordinated our visit while our own Doug Ruhren was our tour guide extraordinaire! We will always claim Doug as our own, since he was formerly the Perennial Borders Co-curator. He is currently Head Gardener for DSBG and, I might add, is definitely in his element! Doug generously spent the entire afternoon with us...thank you, Doug!

Volunteers Open Their Garden

One of the special benefits of volunteering at the Arboretum is getting to know others who share your interest in plants as well as in the JCRA. So much is learned from one another. The best example of volunteer sharing was the second annual volunteer-to-volunteer garden visit initiated and coordinated by Amelia Lane, Mixed Border Curator. In May, 26 of our volunteers invited fellow volunteers to visit their gardens. Thanks to all who participated and special thanks to Amelia for putting in the extra effort to make it happen!

Volunteer Opportunities - Spread the Word

JCRA Ambassador Program
As the JCRA continues to grow so does its popularity. The increased visibility brings in more and more requests for our presence plus there are more happenings at the Arboretum that need volunteers to interact with the public. The primary task at hand is talking with folks about the Arboretum. Volunteer Ambassadors will represent the JCRA at events such as trade shows, JCRA programs, and other community events. At most events, we will be promoting membership and may have apparel available for sale. Orientation will be scheduled so please do not think that you do not know enough or have not been around for long enough. This volunteer opportunity is for those that are excited about the Arboretum and want to help secure its future! Contact Frankie Fanelli at (919) 515-3132 or <frankie_fanelli@ncsu.edu> for more information.

Other volunteer opportunities:
Evening Gardening
Garden/Plant Mapping
Volunteer Office Staffing
Children’s Tour Guide
Contact Frankie Fanelli at (919) 515-3132 or <frankie_fanelli@ncsu.edu> for details.
Welcome to the New JCRA Volunteers

Irene Campbell

Stephanie Distefano

Julie Lovett

Emily Phillips

Nancy Zartarian

Photographs by Frankie Fanelli

Not pictured: Patrice Cook, Lynn Scott, and Marvin Thompson

2000 Top Volunteers

300+ Hours
Carolyn Fagan, Vivian Finkelstein, and Karen Suberman

200+ Hours
Mary Edith Alexander, Tom Bumgarner, and Susan Cheatham

100+ Hours
Edith Eddleman, Frankie Fanelli, Marty Hayes, Doris Huneycutt, Fran Johnson, Margaret Jordan, Amelia Lane, Doug Ruhren, Bill Satterwhite, John Schott, Kathleen and Walt Thompson, and Dora Zia

50+ Hours
Rosanna Adams, Chris Allen, Alicia Berry, Virg Birkin, Kate Boykin, Harvey Bumgardner, Mary Button, Claude and Mary Caldwell, Anne Clapp, Laurie Cochran, Colin Daniels, CJ Dykes, Judy Elson, Wayne Friedrich, Gail Harris, Patsy Hopfenberg, Shelia Kellogg, Elaine Pace, Guy Meilleur, Jean Mitchell, Harley Mudge, Laddie Munger, Charlotte Presley, Judy Ryan, Dee Welker, and Jan Wilson

Above: Doug Ruhren, Head Gardener at Daniel Stowe Botanical Garden, talks to volunteers enjoying the spring field trip.
Photograph by Christopher Todd Glenn

Above: Susan Cheatham (left), White Garden Curator, and Gail Harris (right), Gardener, showing off **Cynara cardunculus** (cardoon).
Photograph by Frankie Fanelli

JC Raulston Arboretum Volunteer Coordinators & Curators

Anna Absher
Tour Guide Coordinator

Chris Allen
Butterfly Garden Curator

Susan Andrews
Winter Garden Co-curator

Pam Baggett
Entry Garden Curator

Alicia Berry
Water Garden Curator

Harvey Bumgardner
Finley Rose Garden Curator

Tom Bumgarner
Labeling Curator

Mary and Claude Caldwell
JC Raulston Archives Co-curators

Anne Calta
Aquatic Gardens Curator

Susan Cheatham
Klein-Pringle White Garden Curator

Anne Clapp
Finley Rose Garden Curator

CJ Dykes
Wisteria Garden and Vines Curator

Edith Eddleman
Perennial Borders Curator

Frankie Fanelli
Parndue Garden Curator

Doris Huneycutt
Winter Garden Co-curator

Amelia Lane
Mixed Border Curator

Pat McCracken
Magnolia Collection Curator

Patrick Pitzer
Aquatic Gardens Co-curator

Bob Roth
Lath House Curator

Bill Satterwhite
Bluebird Houses Curator

Dick and Judith Tyler
Winter Garden Co-curators

Curator Needed
Japanese Garden Curator

View of the Reading Garden
Plantsmen’s Tour
“Splendors of Late Autumn”
November 28, 2001 (Wednesday)
1:00 PM to 2:30 PM
Free
Join Todd Lasseigne for a tour focusing on those asynchronous plants that do not know that fall occurs in October in the South. These leftover plants, with late fall color or flowers, beckon for better garden recognition, only so they can extend garden interest later into the year. Please meet at the brick building at the Arboretum. The tour departs at 1:00 PM and is free and open to the public.

Plantsmen’s Tour
“Hollies”
December 20, 2001 (Thursday)
1:00 PM to 2:30 PM
Free
In true Christmas fashion, we have a tour that focuses on the hollies (Ilex sp.), of which the JCRA holds a large collection. Come study with Todd Lasseigne the amazing range of hollies suitable for growing in NC. Please meet at the brick building at the Arboretum. The tour departs at 1:00 PM and is free and open to the public.

Other Horticultural Programs

Piedmont Chapter of the North American Rock Garden Society

October 20, 2001 (Saturday)
Edith Eddleman, Durham, NC
“The Vertically Challenged Garden – Short Perennials for the Border”

November 10, 2001 (Saturday)
David Rankin, NARGS Speaker’s Tour
“Following Forrest and Farrer – Flowers of Limestone Mountains”

All Piedmont Chapter NARGS programs are held at 10:00 AM in the Totten Center, NC Botanical Garden, Chapel Hill, NC.

Make checks payable to:
The NC Agricultural Foundation
with Friends of The JC Raulston Arboretum on the memo line.

Mail to:
The JC Raulston Arboretum at NC State University
Department of Horticultural Science, Box 7609, Raleigh, NC 27695-7609

The JC Raulston Arboretum is a 501(C)3 organization. All membership contributions over $30.00 are tax deductible.

Membership Application

- Student/Senior: $10.00
- Individual: $30.00
- Family/Dual: $50.00
- Sponsor: $250.00-$499.00
- Patron: $500.00-$2,499.00
- Benefactor: $2,500.00-$4,999.00
- Philanthropist: $5,000.00 and up
- My company matches gifts.

I have enclosed a matching gift form.

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address
__________________________________________________________
city/ state/ zip
__________________________________________________________
telephone/ fax/ e-mail

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