

American Horticulturist

City Island Gardens

Every city presents opportunities to garden on public or shared land. The land between the sidewalk and the street, for example, is usually lost to the landscape and can turn into little more than a place where litter and rubbish collect. But these areas can become sources of beauty and pride in the community, if they are transformed into city island gardens. Why not consider turning lost or forgotten areas in your city into a garden? These small urban green spaces will discourage littering, improve the appearance of the city, and bring smiles to the faces of pedestrians. Increased attention to street trees will improve their health and their ability to temper the city heat with cooling shade. An added bonus will be a bountiful harvest of flowers, vegetables, and plants for drying.

City island gardens amply repay the time invested in care. Seasonal color, the delightful surprise of green space in the heart of the city, protection for the trunks of trees—these are balanced by the need for watering and preventive care to offset the damaging effects of traffic, salt, and ice. The reward is well worth the investment, which may yield a compound return as neighbors and fellow urban dwellers take up the cause.

Your local township, municipality, or other governing body can give the necessary permission or easement,



Even the tiniest and least promising pockets of the urban landscape can be transformed with a little effort and ingenuity.

which is usually relatively easy to obtain. In fact, "as long as your plan presents no obstruction or hazard, most municipalities encourage such efforts," according to Don Greene of the United States Department of Agriculture Forest Service. You may also want to investigate the possibility of plugging into existing greening programs.

Getting started requires a few preliminary steps. First comes the cleanup, which may include the removal of lower limbs if your found space includes a street tree (again, be sure to get the appropriate permission). If you want to create raised beds for the growing medium, make sure they are at least eight inches above the sidewalk, then install a protective edging of rocks, bricks, or logs to retain the growing medium in the bed. Revive polluted soils with amendments to create a more hospitable environment.

A marvelous growing mix can be concocted out of six inches of compacted soil, three inches of ground

leaves, and one inch of fine litter (ground gravel, wood, or other debris), plus one cup of 10-6-4 lime gypsum per bushel of mix. Mulch beds to conserve moisture and to prevent weeds from developing. Plan to water thoroughly during periods of drought.

Plant Selection

Because light and space in a city island garden are limited, it's wise to concentrate on plants that will grow almost anywhere. A few possibilities:

- **Evergreens:** *Abelia X grandiflora* (glossy abelia), *Juniperus horizontalis* (creeping cedar), and *Juniperus chinensis* (Chinese juniper).
- **Perennials:** *Hemerocallis* (daylily) hybrids, *Yucca* sp. (Yucca).
- **Vines:** *Hedera helix* (English ivy), *Parthenocissus quinquefolia* (woodbine).
- **Bulbs:** *Convallaria majalis* (lily of the valley), *Narcissus* sp. (daffodils).
- **Annuals:** *Begonia semperflorens*

Continued on page 2

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Additional AHS Award Winners

In addition to the award winners cited in our January *News Edition*, we announce with pride the following winners:

Scientific Award

Dr. Richard W. Harris is the 1988 winner of the AHS Scientific Award, presented for outstanding and notable horticultural research. Dr. Harris is Professor Emeritus of Landscape Horticulture of the University of California at Davis; he has published more than 100 scientific and professional papers and is the author of a text and reference book: *Arboriculture: Care of Trees, Shrubs, and Vines in the Landscape*. In addition, Dr. Harris wrote the tree care chapter in Ortho's book *All About Trees*. He has received author's citations and awards of merit from the International Society of Arboriculture, in addition to numerous other awards.

Commercial Award (individual)

The 1988 individual commercial award is presented to Mr. Jim Cross of Cutchogue, New York. Mr. Cross owns and manages Environmentals, a nursery that specializes in difficult-to-obtain plants, and he is an enthusiastic advocate of small nurseries dedicated to qualitative rather than quantitative goals. He has received the Man of the Year Award of the Long Island Association of Nurserymen,



Richard W. Harris



Jim Cross

the Bronze Medal of the New York Chapter of the American Rhododendron Society, and the Award of Merit of the International Plant Propagators' Society, Eastern Region.

City Island Gardens

Continued from page 1
(wax begonia), *Impatiens walleriana* (patient Lucy).

As an alternative to these, try any plants that do well in your community, or try planting out your houseplants. Plunge each container in your raised bed, and twist the container every week to prevent plants from rooting into the bed.

Care

Reduce summer care by following these steps: Mulch by covering the entire bed with several layers of newspaper, adding two inches of ground leaves or other mulching material. Water only when the growing medium becomes dry. When watering always soak the area; be sure to soak the bed to the depth of one inch every 14 days for best growth. Remove all yellow foliage and seed heads to keep plants in a vigorous state of growth. Apply a complete 10-6-4 fertilizer to boost growth every two or three weeks by making a faint ring of fertilizer around each plant, and water it in.

Color-in-the-street, bouquets, thriving trees—these are just a few of the advantages to be derived from city island gardens. Take a look around your community, and start your planning today!

American Horticulturist

VOLUME 67 NUMBER 3

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AHS Board of Directors Nominees Announced

The following individuals have been nominated to the American Horticultural Society's Board of Directors for a three-year term starting in April, 1988:

Mrs. Ann Lyon Crammond of Atlanta, Georgia, is the executive director of the Atlanta Botanical Gardens; she served as chairman of the National Horticultural Committee of the Garden Clubs of America and is an accredited GCA judge in horticulture. For seven years, Mrs. Crammond directed the nonprofit educational Ballard Greenhouses in Ridgefield, Connecticut; she also initiated an environmental studies curriculum in the local schools.

Mrs. Beverly White Dunn of Birmingham, Alabama, is a member of the Board of Visitors of Darlington Preparatory School and served as Alabama Regent for Gunston Hall, the home of George Mason. She was flower show chairman of Zone 8 of the Garden Clubs of America and currently gives horticultural demonstrations to benefit the Birmingham Botanical Gardens.

Mr. Steven F. Keating of Minneapolis, Minnesota, retired as the president of Honeywell in 1980; he is

president of the Minnesota Landscape Arboretum Foundation and a member of the Board of Trustees of the University of Minnesota Foundation.

Mr. John C. Mitchell, II, of Denver, Colorado, is a director of the United Banks of Colorado; the United Bank of Denver, N.A.; and the Denver Botanic Gardens. He is a trustee of the Boettcher Foundation and a former director of the Denver Orchid Society.

Mr. Andre Viette of Fishersville, Virginia, is a horticulturist, author, and lecturer who owns the Andre Viette Nursery, which grows over 3,000 varieties of perennials and operates a tissue culture laboratory. He serves on the advisory council of the United States National Arboretum in Washington, D.C., and is vice president of the Perennial Plant Association.

In addition, the following incumbent Board members have been nominated for reelection:

Mrs. Benjamin P. Bole, Jr. of Cleveland, Ohio; Mr. J. Judson Brooks of Sewickley, Pennsylvania; Mr. Russell B. Clark of Boston, Massachusetts; Mr. Everitt L. Miller of Kennett Square, Pennsylvania; and Mrs. Philip Temple of Little Compton, Rhode Island.

AHS Board of Directors Proxy

Notice of Election in conjunction with the 43rd Annual Meeting of the American Horticultural Society.

Cut out proxy and return by April 8, 1988, to President, AHS, P.O. Box 0105, Mount Vernon, VA 22121.

I will not be able to attend the Annual Meeting of the American Horticultural Society on April 13, 1988. Please assign my proxy to AHS President, Carolyn Marsh Lindsay, or

to cast my ballot in the annual election of the Society's Board of Directors, and to cast my ballot in other matters that may properly be brought before the Annual Meeting with the same effect as though I were personally present.

Signature

Date

Vote for ten.

- ☐ Mrs. Ann Lyon Crammond
- ☐ Mrs. Beverly White Dunn
- ☐ Mr. Steven F. Keating
- ☐ Mr. John C. Mitchell, II
- ☐ Mr. Andre Viette
- ☐ Mrs. Benjamin P. Bole, Jr.
- ☐ Mr. J. Judson Brooks
- ☐ Mr. Russell B. Clark
- ☐ Mr. Everitt L. Miller
- ☐ Mrs. Philip Temple

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Gardener's Dateline

March 9-13

Nashville Lawn and Garden Show

Tennessee State Fairgrounds, Nashville, Tennessee. Hours: Wednesday through Saturday, 10 a.m. to 5 p.m.; Sunday, 10 a.m. to 6 p.m. Information: Richard C. Page, Gardens Director, Cheekwood, Forest Park Drive, Nashville, TN 37205, (615) 356-3306.

March 18-27

Macon Cherry Blossom Festival

Macon, Georgia. Information: Rick Wemmers, 3490 Piedmont Road, Suite 1200, Atlanta, GA 30305, (404) 237-6177.

March 19-20

Gala Herb Weekend

Bittersweet Hill Nurseries, 1274 Governor's Bridge Road, Davidsonville, Maryland. Hours: 9 a.m. to 5 p.m. Information: Bittersweet Hill Nurseries, 1274 Governor's Bridge Road, Davidsonville, MD 21035-1507, (301) 798-0231.

March 19-27

Builder's Home, Flower, and Furniture Show

Cobo Hall, Detroit, Michigan. Admission: Adults, \$4. Hours: Saturday and Sunday, 10 a.m. to 11 p.m.; Weekdays, 1 p.m. to 11 p.m. Information: 30375 Northwestern Highway, Suite 100, Farmington Hills, MI 48018, (313) 737-4477.

March 24-27

Delaware Valley Home and Garden Show

Philadelphia Park Race Track, Bensalem, Pennsylvania. Information: Tower Conference Management Co., Building E, Suite 408, Glen Ellyn, IL 60137-5835, (312) 469-3373.

March 25-26

Landscape Preservation Seminar

University of Massachusetts, Amherst, Massachusetts. Information: Ann Marston, Department of Landscape Architecture and Regional Planning, 324 Hill North, University of Massachusetts, Amherst, MA 01003, (413) 545-2255.

March 26-27

Rocky Mountain African Violet Council Spring Show

Denver Botanic Gardens, John C. Mitchell Hall, 1005 York St., Denver, Colorado. Information: Eris Erickson, 1021 Carr St. #10, Lakewood, CO 80215, (303) 234-0378.

March 26-27

Mendocino Coast Orchid Society Show

Masonic Hall, 428 N. Main St., Fort Bragg, California. Hours: Saturday, 10 a.m. to 5 p.m.; Sunday, 10 a.m. to 4 p.m. Information: Mendocino Coast Orchid Society, P.O. Box 2622, Fort Bragg, CA 95437, (707) 964-5295 (evenings).

March 26-April 3

Portland Home and Garden Show

Expo Center, Portland, Oregon. Information: Robert L. King, To-Ro Enterprises, Inc., P.O. Box 25348, Portland, OR 97225, (503) 246-8291.

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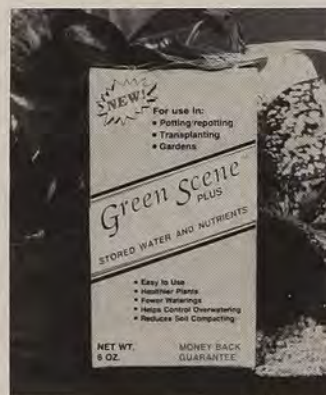
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March 18-27 marks the sixth anniversary of the Macon, Georgia Cherry Blossom Festival, when the blossoms of 85,000 flowering cherry trees will blanket the city.

March 26-April 3 Splendor of Spring at Descanso Gardens

Descanso Gardens, 1418 Descanso Dr., La Canada Flintridge, California. Information: LuAnn Munns, 1418 Descanso Dr., La Canada Flintridge, CA 91011, (818) 446-8251.

April 8-10 Union Memorial Hospital Rites of Spring

4H/FFA Home Arts Building, Maryland State Fair Grounds, Timonium, Maryland. Information: Gil Kleiner, Union Memorial Hospital, 201 E. University Parkway, Baltimore, MD 21218, (301) 554-2266.

April 9-10 Louisiana Cooperative Extension Service Spring Garden Show

Delgado College Cafetorium, Navarre Avenue, New Orleans, Louisiana. Admission: free. Hours: 10 a.m. to 6 p.m. Information: Nannette Simmons, No. 7 Bamboo Rd., New Orleans, LA 70124, (504) 486-4054.

April 10-13 Williamsburg Garden Symposium

Williamsburg, Virginia. Registration fee: \$160. Information: The Forums Registrar, Colonial Williamsburg, P.O. Box C, Williamsburg, VA 23187, (804) 220-7281.

April 13-17 San Francisco Landscape Garden Show

Pier 3, Fort Mason, Marina Blvd. and Buchanan St., San Francisco, California. Admission: Adults, \$7; Seniors, \$6; Advance group tickets, \$5. Hours: Wednesday, Saturday, and Sunday, 10 a.m. to 6 p.m.; Thursday and Friday, 10 a.m. to 9 p.m. Information: McLaren Lodge, Golden Gate Park, San Francisco CA, 94117, (415) 221-1310.

April 21-May 1 Historic Garden Week in Virginia

Information: Historic Garden Week Head-

quarters, 12 East Franklin St., Richmond, VA 23219, (804) 644-7776.

April 22 Wilmington Garden Center Rare Plant Auction

Longwood Gardens, Kennett Square, Pennsylvania. Admission: \$35. Hours: 6 to 10 p.m. Information: The Wilmington Garden Center, 503 Market Street Mall, Wilmington, DE 19801, (302) 658-1913.

April 22-23 American Daffodil Society Convention and Show

Sheraton Premiere Hotel, Tysons Corner, Virginia. Information: Mrs. Joel Crenshaw, 1047 Walker Mill Rd., Great Falls, VA 22066, (703) 759-5450.

April 23-May 8 Maryland House and Garden Pilgrimage

Information: Maryland House and Garden Pilgrimage, 1105-A Providence Rd., Towson, MD 21204, (301) 821-6933.

April 28-May 1 Huntington Symposium on Old Roses

The Huntington Botanical Garden, 1151 Oxford Rd., San Marino, California. Information: Clair G. Martin III, Huntington Botanical Gardens, 1151 Oxford Rd., San Marino, CA 91108, (818) 405-2100.

April 30 American Horticultural Society Wine and Cheese Reception

7931 East Boulevard Drive, Alexandria, Virginia. Hours: 6 p.m. to 7:30 p.m. Admission: \$20 (advance purchase necessary). Information: Margaret Burke, AHS, P.O. Box 0105, Mt. Vernon, VA 22121, (703) 768-5700.

May 6-8 Landon Azalea Garden Festival

6101 Wilson Lane, Bethesda, Maryland. Information: Michele Ratcliffe, 6101 Wilson Lane, Bethesda, MD 20817, (301) 320-3200.



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Q&A

Send your gardening questions to our Gardener's Information Service at P.O. Box 0105, Mount Vernon, Virginia 22121. We'll send you a personal reply, and if the answer to your question contains information of broader interest, we may share it with other readers in this column.

Q: I have a planting of upright hollies on one side of my yard. It does not extend the whole length of the yard, and I would like to extend it. Is it possible to plant new three-foot bushes and cut back the old bushes so that in time, both plantings will be the same height?

—I.P., Mechanicsville, VA

A: You can extend your evergreen holly hedge if you plant your new shrubs properly and prune fearlessly. In the spring, plant the young three-foot hollies about three feet apart. At this point your new hollies should be pruned back heavily, by about one-third, on the majority of shoots. This seemingly drastic pruning will lead to a thicker hedge with a more attractive branching habit. In the years to follow, provide a yearly shearing in the late spring. Don't be timid in an attempt to achieve height too quickly, as this regular pruning encourages dense growth and a sturdy structure.

But will they ever catch up? Your suggestion of cutting back the established hedge is a good one, as hollies can be cut back quite close to the ground and still rejuvenate effectively. The decision is largely one of aesthetics. Taking the existing hedge back as far as your newly pruned three-year-olds will probably render it unsightly, more reminiscent of a hat rack than a hedge. It will fill in, but slowly. A less drastic measure would be to take the hollies back gradually by just a foot or so until parity is reached. This method, although slower, would be easier on the eyes.

On a more general note: ever-

green hollies make excellent hedges; however, they must be shaped and pruned correctly to maintain their beauty and effectiveness. The commonly seen rectangular and rounded hedge shapes are not suitable. Shear the hedge in the shape of a trapezoid, narrower at the top than at the bottom. This outline allows light to reach the bottom branches, preventing leaf drop and dead lower branches. Also, in areas that receive snow, a smaller top will prevent the splitting that may occur as a result of heavy snowfall.

Q: I would like to grow Halesia carolina from seed. Can you help me?

—J.F., Roanoke, VA

A: *Halesia* seed exhibits double dormancy and must be stratified at both warm and cold temperatures to achieve germination the following year. Seeds collected in the fall or early winter should be placed in a polyethylene bag along with slightly moistened peat moss, closed tightly, and stored at 56° F - 86° F for two to four months, followed by two to three months at 33° F - 41° F. This can be accomplished without fancy thermometers. Use room temperature for the warm period, and then place seed in the back of the refrigerator for the chill. Plant seeds in the spring, and in one to three months, Carolina silverbell seedlings should appear. Untreated seed planted in the fall may germinate, but it could take two years or more.

Q: What are the best growing conditions for Adenium obesum? I have a plant that won't flower.

—C.K., Howell, NJ

A: *Adenium*, called the desert rose, is a spreading succulent bush from the arid regions of East Africa, Tanzania, Kenya, and Uganda; it should be given the same care that you give cacti and succulents. Repot your plant in a soilless mix amended with an equal volume of coarse grit. Put it outdoors in the summer, moving from a shady spot to a sunny spot over the summer. Water and fertilize over the growth period to promote vegetative shoots. Slow growth and overwinter plants in a cool (55° F - 60° F), dry indoor environment.



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enzymes: a growth miracle?

by **Pat Branin**
(Branin was the organic gardening columnist for the San Diego Union.)

Did you hear what happened on Frank's farm?

Some readers will remember a story published in the *San Diego Union* April 6 reporting a new soil conditioner made from enzymes. The first inkling I had concerning this product for gardening and commercial agriculture came from *Acres, USA*, a farmer's newspaper published monthly in Raytown, MO.

The editor and publisher, Charles Walters, Jr., gave permission to quote the story about Frank Finger, a biodynamic farmer near Larned, Kan., and his experiments with enzymes on his soybean and alfalfa fields.

The difference between an inkling of information and an in-depth probe is about the same as Mark Twain's definition of the difference between a lightning bug and lightning. So when the opportunity offered, I made a trip to Frank Finger's farm.

There I set foot on the first enzyme-treated soil I have ever knowingly trod upon. All of central and eastern Kansas looks like a beautifully planned and meticulously maintained park, and Frank Finger's farm seemed to have an extra glow of well-being.

To understand what agricultural enzymes are and what they do, you must first know what they are not. Enzymes are not a fertilizer nor a plant nutrient.

Used over a period of time, enzymes can relieve problems of shallow soil by penetrating hardpan and even marl. Finger demonstrated this on a field where he had hardpan near the surface. He pushed a 3/8 inch steel rod its full length of 36 inches into the ground without effort. This could be a boon to hundreds of thousands of acres of land in Southern California.

Agricultural enzymes also will detoxify soils that have been chemicalized to death with inorganic fertilizers, herbicides and pesticides. They also will adjust the acid-alkaline balance to a favorable pH 6.5 to 7, which nearly all plants prefer. Even high alkali soils can be restored to production.

They will cause heavy soils to flocculate (to loosen and break down) so the structure is loose and plants can develop a more massive root system and irrigation water or rain can penetrate more quickly, evenly and deeply.

Perhaps the most important thing of all that enzymes do is improve the soil's "cation-exchange" capacity. Cation-exchange means the release of the natural minerals and plant nutrients by unlocking them and converting them to a form the plant can use to make its food by photosynthesis.

No matter how bad your soil is, it is almost certain that you have considerable ancient minerals and trace elements which it needs but which are locked in by an imbalance caused by a lack of organic material and enzymes. By adding both to the soil, the enzymes supply the magic key to unlock

these things and thereby adjust the cation-exchange capacity.

Robert Herlocker of Girard, Kan. says: "I applied Nitron to 200 acres of soybean ground at the rate of 1/2 gallon per acre in two applications. They received approximately 1 1/2" of rain before harvest; the normal for this period is 5 inches. Even though these beans were hailed on, there was no lodging (bruising or loss of foliage), and the 200 acres averaged 35 bushels per acre."

Frank Finger's wife, Gay, takes care of the vegetable garden, shrubs and house plants:

"Last spring I sprinkled my row of carrot seeds with 1 1/2 gallons of water with 1/4 cup of Nitron added before covering the carrots. In five days the carrots were up so thick I had to thin them several times. We ate them through the season and mulched them when freezing weather came. We have been digging and eating them all winter."

Also, she has a cucumber story: "I accidentally over-treated one of my cucumber plants with a mixture of half water and half Nitron which I had intended to dilute; however, I watered the area deeply and that cucumber plant took over the whole patch. One day in July I picked 79 from it and picked 50 on each of three other days that week. I pulled up all my other cucumber plants to give this one room to spread."

There are many other stories about enzymes that border on fantasy. Perhaps I can tell about them later.

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yes

Frank and Gay, I want to hear more about enzymes!

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AHS Travel for 1988

The coming travel season promises to be one of the best ever for Society members and friends. Here are some of the highlights:

Spend a springtime week "At Home in Virginia" April 23-30. You'll find history in a garden setting as you explore Ash Lawn, the former home of James Monroe; Thomas Jefferson's Monticello; Montpelier, the stately former home of James Madison; and other outstanding public gardens. Mrs. John Garland, our expert guide for the tour and a long-time member of the Garden Club of Virginia, has also arranged visits to some of Virginia's best private gardens. The week will conclude with a twilight reception on the grounds of River Farm, headquarters of the American Horticultural Society, on April 30.

Next, on May 28-June 12, get ready for a delightful cruise aboard the M. S. *Polaris* accompanied by Carolyn Marsh Lindsay, president of the Society, and Bob Lindsay. The cruise will visit several gardens and castles of Scotland, Wales, and England; an exciting bonus included with the pre-cruise package is a visit to the Chelsea Flower Show. Mr. and Mrs. Lindsay, Dr. Douglas Henderson (former Regius Keeper of the Royal Botanical Garden in Edinburgh), and Dr. Alfred Evans (former Associate Director of the Royal Botanical Garden in Edinburgh) will provide an exceptional horticultural experience for all.

On June 11 pack your bags and join a tour to the gardens of the Riviera and Burgundy, as AHS stages an encore of the most successful trip of our 1987 season. Once again Dick Hutton will play host, as you tour private and public gardens in St.-Jean-Cap-Ferrat, Monaco, Biot, St. Paul de Vence, and Antibes. The trip also features six days on the hotel barge *Janine*, floating up the Saone River, with stops at more fabulous

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gardens en route. This unforgettable trip will end on June 25 with a departure from Lyon.

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October is a very full month, with three tours scheduled. The "New England Autumn Display," held October 2-6, will take you on a five-day tour of great lawns, gardens, and museums of western New England. The group, which is limited to 25, will travel along the breathtaking foliage trail from Stockbridge, Massachusetts, to Shelbourne, Vermont, with stops along the way to visit The Mount, home of Edith Wharton, Naumkeag, which belonged to Stanford White, The Shelbourne, St. Gaudens Museum, the Berkshire Garden Center, and several small private gardens.

On October 15, Bob and Carolyn Lindsay will welcome Society members and friends aboard the M.V. *Nantucket Clipper* for a spectacular fall cruise through the gardens of the Chesapeake. Guests will see the gardens of Colonial Williamsburg, the private estate of Dr. and Mrs. Page Jett at Parkers Creek, Sotterly Plantation, the Paca house and gardens, and many other delightful locales, including Wye Heights Plantation, where we will be the special guests of Thomas G. Wyman. On the last evening, October 21, plan to unwind after an exciting week's adventure at a cocktail reception hosted by Mr. Pieter Oechsle, executive director of AHS.

Our third October trip is to the lovely island nation of New Zealand, with an optional extension to its illustrious neighbor, Australia. This trip, to be hosted by AHS Board member Dick Hutton, will depart October 20 and will conclude November 6 for those who do not pick up the Australia option. Highlights of the trip will be a visit to a specialized miniature rose nursery, a wildflower walk on the slopes of Mt. Cook, a tour of the grand old colonial home-

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stead and gardens at Holmslee, and an afternoon spent in the garden of Ron and Mollie Coker.

Information about these programs can be obtained by writing: AHS Travel Programs, P.O. Box 0105, Mt. Vernon, VA 22121.

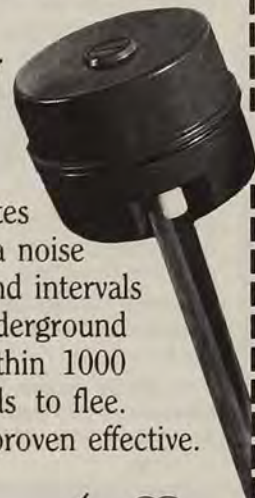
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RARE, UNUSUAL PLANTS—otherwise commercially unavailable—botanic collections, landscaping, home, office—140 Bamboo, 200 Palms, 100 Cycads, Horticultural Rarities, 1000 Books. Three dangerously crammed seasonal catalogs \$5. ENDANGERED SPECIES, Box 1830-A, Tustin, California 92680.

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WATER LILIES. Send \$2.00 for a complete WATER GARDEN CATALOG from the oldest water garden specialist in America, WILLIAM TRICKER, INC., Dept. AH, 7125 Tanglewood Drive, Independence, OH 44131. (216) 524-3491.

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UNCONVENTIONAL, RARE AND FAMILIAR NATIVE WILDFLOWERS AND CULTIVATED PERENNIALS for formal or naturalistic areas. Top quality nursery propagated plants. Free list of mail-order plants or descriptive catalog \$3.00. NICHE GARDENS, Rte. 1, Box 290, Dept. A, Chapel Hill, NC 27516.

HIGHEST QUALITY, NURSERY-GROWN WILDFLOWERS AND FERNS for northern/southern gardens, sun/shade, wet/dry, or problem areas. Information packed booklet (send \$1.00) gives growing instructions, plant descriptions, ideas for landscape uses, plant combinations. SUNLIGHT GARDENS, Rt. 3, Box 286-AH5, Loudon, TN 37774.

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State _____ Zip _____

AHS 43rd ANNUAL MEETING PROGRAM

Wednesday, April 13

4:00-6:00 p.m.

Registration

AHS Meeting Headquarters, Waverly Hotel,
2450 Galleria Parkway

7:00-9:00 p.m.

Board Meeting and Working Supper

Thursday, April 14

7:00-9:00 a.m.

Registration

AHS Meeting Headquarters, Waverly Hotel,
2450 Galleria Parkway

7:45-8:45 a.m.

Press Breakfast

8:45-9:30 a.m.

Opening Session of the Meeting

Education Session

9:30-10:00 a.m.

"Changes in Weather Patterns"

Dr. Kenneth Bergman, climatologist, National
Academy of Sciences, Washington, D.C.

10:00-10:30 a.m.

"Progress Toward a More Flourishing
Landscape: An Update on the USDA
Plant Performance Guide"

Dr. Henry (Marc) Cathey, director, U.S.
National Arboretum, Washington, D.C.

10:30-10:45 a.m.

Refreshment Break

10:45-11:15 a.m.

"The Arizona Biosphere Experiment
and What It Can Mean for
Horticultural Research"

Ghilleen T. Prance, director, Institute of
Economic Botany, New York Botanical Garden,
Bronx, New York

11:15-11:45 a.m.

"Southern Plants for American
Gardens"

Dr. John Alex Floyd, Jr., editorial director,
Southern Living, Birmingham, Alabama.

11:45-12:15 p.m.

"Selecting Versatile Perennials for
Variable Climates"

John Elsley, vice president, Plant Products
Development, Wayside Gardens, Hodges, South
Carolina

12:15-12:45 p.m.

"Southern Progress—The Georgia
Garden Club's Two-Year
Beautification Plan"

Mrs. Deen Day Smith, president, Georgia
Garden Club, Inc., Atlanta, Georgia

12:45-5:15 p.m.

Lunch and Private Garden Tour

6:00-7:30 p.m.

Welcome Reception at the home of
Mr. and Mrs. William Epstein

7:30 p.m.

Bus departs for the Waverly Hotel

8:00 p.m.

Dinner on your own

9:00 p.m.-10:30 p.m.

Member's Showcase

9:00-9:45 p.m.

Dr. Gerald Barad

"Starfish Flowers: A Little Known Horticultural
Delight"

9:45-10:30 p.m.

Everitt L. Miller

"Great Gardens of America"

Friday, April 15

8:15 a.m.

Buses depart for the Atlanta Botanical
Garden for tour and educational
sessions.

8:45-9:00 a.m.

Welcome by Ann Lyon Crammond

Mrs. Crammond is executive director of the
Atlanta Botanical Garden.

9:00-10:30 a.m.

Guided small group tours of Atlanta
Botanical Garden

See five acres of formal gardens and the
Dorothy C. Fuqua Conservatory, scheduled for
completion in late 1988.

10:30-11:00 a.m.

Refreshments

Two-Track Education Session

Choose one of the following:

To be held in the meeting facilities at the
Atlanta Botanical Garden.

●TRACK 1

11:00-11:30 a.m.

"Meadow Gardening"

Laura Martin, author of *The Wildflower Meadow
Book*, Atlanta Botanical Garden, Atlanta,
Georgia

11:30-12:00 noon

"Designing Water into the Garden"

Anita Nelson, garden designer, Brookshire, Texas

12:00-12:30 p.m.

"Spring Flowering Bulbs: Daffodils"

Brent Heath, owner, Daffodil Farm Mart,
Gloucester, Virginia

12:30-1:00 p.m.

"Creating a Landscape That Features
Woody Plants"

Dr. Michael Dirr, University of Georgia,
Athens, Georgia

●TRACK 2

11:00-11:30 a.m.

"Herbs: Growing and Using"

Mrs. David Laufer and the Chattahoochee Unit
of the Herb Society of America, Atlanta,
Georgia

11:30-12:00 noon

"Landscaping at Its Best"

Fred Hooks, president, Post Properties
Landscape, Atlanta, Georgia

12:00-12:30 p.m.

"Native Plants of the Southeast"

Don Shadow, owner, Shadow Nurseries,
Winchester, Tennessee

12:30-1:00 p.m.

"Oasis in the City: Fighting for Trees
Downtown"

Marcia Bansley, executive director, Trees
Atlanta, Atlanta, Georgia

1:00-2:00 p.m.

Lunch

Box lunches will be served in the Atlanta
Botanical Garden.

2:00 p.m.

Bus departs for Public Garden Tour,
Atlanta Historical Society

2:30-5:00 p.m.

Welcome and Orientation

Small groups will tour the 22 acres of gardens,
woodlands, and winding footpaths, Swan House,
and the nineteenth-century Tullie Smith House/
farm restoration.

3:45-4:15 p.m.

Refreshments at the Tullie Smith
House

5:00 p.m.

Bus departs for Waverly Hotel.

6:30-8:00 p.m.

Members' Forum

Chaired by Dr. Julia Rappaport. Members are
invited to submit items for the agenda.

8:00-10:30 p.m.

"Gone with the Wind" Theme Party
and Dinner

Southern fare and a Dixieland band.

7:30 p.m.

President's Council Dinner

Bus departs for the Atlanta Botanical Garden.
Dinner is open to members of the Society's
"President's Council."

Saturday, April 16

Education Session

Arranged in cooperation with Callaway Gardens.

9:00-9:30 a.m.

"Callaway Gardens: The Work of a Lifetime"

Dr. Bill Barrick, executive director, Callaway Gardens, Pine Mountain, Georgia.

9:30-10:15 a.m.

"Southern Country Gardening"

Tom Woodham, garden writer and co-owner of The Potted Plant, Atlanta, Georgia.

10:15-11:00 a.m.

"Topiary"

Mary Crane Penniman, horticultural instructor at Callaway Gardens, Pine Mountain, Georgia.

11:00-11:15 a.m.

Refreshments

11:15-12:00 noon

"Bonsai for Beginners"

David Cook, owner, The Garden Source Limited, Atlanta, Georgia.

12:00-5:00 p.m.

Tour Programs

Choose one of the following:

●TOUR 1

Tour to Goodness Grows Nursery and other horticultural centers en route. Shopping time available. Box lunch will be served on bus.

●TOUR 2

Tour to Fernbank Science Center. Wander

through the 65-acre Fernbank Forest, tour the greenhouse and botanical garden, and enjoy a picnic lunch on the grounds.

7:00-8:00 p.m.

President's Reception

8:00-10:30 p.m.

Annual AHS Awards Banquet

Sunday, April 17

Optional All Day Tour

8:30 a.m.-5:00 p.m.

Callaway Gardens

Members \$60.00

Non-Members \$65.00

Enjoy a special guided tour of these magnificent gardens. A buffet brunch is included.

REGISTRATION FORM

AHS 43rd Annual Meeting—April 14-16, 1988—Atlanta, Georgia

NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

TELEPHONE: Area Code _____ Number _____

SPOUSE/GUEST NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

REGISTRATION FEE covers all events (*unless marked optional*), registration materials, ground transportation, entrance fees, welcome reception, 3 luncheons, 1 dinner, and the AHS Awards Banquet.

Registrations must be received by March 23, 1988.

CANCELLATION: A full refund, less \$30 for booking expenses, will be made if written cancellation is received by March 23, 1988. No refunds will be made after March 23, 1988.

HOTEL INFORMATION: Our headquarters hotel is the Stouffer Waverly at 2450 Galleria Parkway, Atlanta, Georgia 30339. Rates are \$90 s/d/t. Alternate accommodations will be available at the Compri Hotel, 3000 Hargrove Road, Atlanta, Georgia 30339 (1½ blocks from the Waverly). Rates are \$70 s; \$80 d. As a special service, AHS will help those who would like to share a room at the headquarters hotel. Please check the appropriate box on the form. Upon receipt

of your registration at AHS, a hotel reservation card for the Waverly Hotel will be sent to you. You must make your room reservation directly with the hotel. Call or write the hotel of your choice: Waverly (404) 953-4500; Compri (404) 952-2555. Hotel reservations must be made by March 23, 1988 to guarantee the convention rate.

OFFICIAL AIRLINE CARRIER: Delta Airlines has been designated the official carrier for the meeting and is offering 40% off published regular economy round trip fares and 5% off any specially discounted fares being marketed over the meeting dates. Coupons with detailed information will be provided upon receipt of registration.

SPECIAL SERVICES: Please check if: ☐ Handicapped facilities are required.
☐ Vegetarian meals are required. ☐ Roommate match-up is required.

CONTRIBUTIONS:

☐ Members who wish to be recognized as a sponsor are asked to check this box and send a contribution of \$250 or more to the address below.

CONCURRENT SESSIONS

Friday, April 15. Please choose ONE Track and indicate # of registrants.

☐ Track 1 _____ ☐ Track 2 _____

Saturday, April 16. Please choose ONE Tour and indicate # of registrants.

☐ Tour 1 (Nursery tour) _____ ☐ Tour 2 (Fernbank Science Center) _____

Please send payment in full for Annual Meeting registration to:
Meeting Registrar, American Horticultural Society, P.O. Box 0105, Mount Vernon, VA 22121.

	Member's Fee	# of registrants	Total	Non-member's Fee	# of registrants	Total
Full Registration						
April 14-16, 1988	\$275	_____	_____	\$300	_____	_____
Partial Registration						
Thursday, April 14	\$ 85	_____	_____	\$ 95	_____	_____
Friday, April 15	\$ 85	_____	_____	\$ 95	_____	_____
Saturday, April 16	\$130	_____	_____	\$140	_____	_____
Optional Activity						
Sunday, April 17						
Trip to Callaway Gardens	\$ 60	_____	_____	\$ 65	_____	_____
TOTAL ENCLOSED			\$ _____			\$ _____

Gardener's Check List

In many areas, March signals the arrival of a very busy gardening season. To help you get organized, we've contacted experts across the country; here are their check lists of gardening tasks for your region.

Northeast

- ☐ Search out gypsy moth and tent caterpillar egg clusters; cut and destroy.
- ☐ If you haven't already, prune or cut back hedges, yews, or late summer-flowering shrubs that are overgrown.
- ☐ There's still time to prune trees, though you may want to prune "bleeders" such as maple, beech, and sycamore later, when they are in full leaf.
- ☐ Inspect your perennial flower and ground cover plants; reset any that have been frost-heaved due to alternate freezing and thawing. This will prevent root desiccation.

—Charles Williams,
Ornamental Specialist,
University of New Hampshire,
Durham, New Hampshire

Southeast

- ☐ Lime soil according to soil test recommendations.
- ☐ Plant onion sets, green peas, broccoli, cauliflower, beets.
- ☐ Protect your tender vegetables against cold April weather by covering with a plastic jug or other covering.

- ☐ In April, use inorganic (plastic) mulches to warm the soil.

—Larry Bass,
Extension Horticulturist,
North Carolina State University,
Raleigh, North Carolina

Southwest

- ☐ Plant early vegetables such as peas and radishes.
- ☐ Thatch your lawn in March or April; apply light applications of ammonium sulfate for greening.
- ☐ If you've wrapped your arborvitae for the winter, unwrap them.
- ☐ Deep water shrubs, especially broad-leaved evergreens.
- ☐ March is the last month to prune trees.
- ☐ Prune roses.

—Wayne Johnson,
Extension Horticulture Specialist,
University of Nevada, Reno, Nevada

Northwest

- ☐ Fertilize evergreen shrubs and trees.
- ☐ Prune spring-flowering shrubs after blossoms fade.
- ☐ Fertilize rhododendrons, camellias, and azaleas with acid-type fertilizer.
- ☐ Treat lawns for cinch bug if needed.
- ☐ Spread compost over garden and landscape areas.
- ☐ Drench crowns of raspberry plants with diazinon to control raspberry cane borer.

- ☐ Dig and divide dahlias.
- ☐ Prune blueberries and gooseberries and fertilize with nitrogen.

—Ray McNeilan,
Extension Agent,
Oregon State University,
Portland, Oregon

West

- ☐ Start cool-season crops such as cabbage, cauliflower, and broccoli indoors.
- ☐ If the soil is dry enough, improve it by incorporating organic material.
- ☐ Finish pruning shade or fruit trees.
- ☐ As spring-flowering bulbs bloom, remember *not* to remove foliage until it dies down.
- ☐ In April, plant cool-tolerant crops of radishes, peas, spinach, onions, potatoes, Swiss chard.

—Duane Hatch,
Extension Horticulturist,
University of Utah, Provo, Utah

Mid-Central

- ☐ Plant early crops such as onions, lettuce, and cole crops (cabbage, cauliflower, broccoli).
- ☐ Perform supplemental spring pruning and shaping of winter-damaged trees and shrubs.
- ☐ Clean out perennial beds.
- ☐ Feed your lawn sometime during the last half of March; reseed worn or bare spots.

—Marvin C. Carbonneau,
Extension Horticulturist,
University of Illinois, Urbana, Illinois

American Horticulturist

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