

American Horticulturist



Chicago Convention and Tourism Bureau

During summer the Dearborn Street Cafe allows visitors to enjoy "The Four Seasons" mosaic by Marc Chagall.

Chicago, dynamic Midwestern city and center of America's heartland, is the setting for the 40th Annual Meeting of the American Horticultural Society. Join fellow plant enthusiasts as we study the expanding horticultural therapy field, the restorative powers of urban gardening, and the challenge to conserve our endangered plant species. For more information, turn to page 13.

Beetle Control Found

A wasp, so small it can stand on the head of a pin, has been pitted against the top destroyer of U.S. potatoes, tomatoes and eggplants in a three-year pilot project. The wasp, a tiny South American immigrant named *Edovum puttleri*, is the most promising natural means yet found to control the Colorado potato beetle, according to Agricultural Research Service entomologist Robert F. W. Schroder.

The pilot project, using an integrated pest management approach, will combine a biological agent—like the wasp—with limited amounts of pesticide applied at crucial points in the beetle's life cycle. If the pilot project is successful, the wasp could be incorporated into pest management programs within five to six years.

Schroder, coordinator of the pilot project, says that the female wasp is very selective when choosing Colorado potato beetle eggs in which to lay her own eggs. She approaches a beetle egg, taps it with her antennae and, if it "turns her on," lays an egg in it. "Fortunately, the wasp liked and parasitized 60 to 80 percent of the beetle eggs in preliminary field trials," said Schroder. "This rate is high enough to give effective control in most cases," he added.

Control of the Colorado potato beetle by conventional chemical means is estimated to cost growers more than \$120 million yearly. Without control measures, crop losses

would approach 100 percent in some areas. According to Schroder, the pest is developing resistance to all commonly used insecticides.

Schroder, along with an entomologist at the University of Maryland, reared the wasps used in earlier tests at his Beltsville, Maryland laboratory.

The wasps, which he says are easy to rear, would cost an estimated \$10 per 1,000. According to Schroder, this cost would probably decrease once the process became more efficient. Mass-rearing techniques will be made available to other public agencies and commercial biocontrol firms.

—Agricultural Research,
January 1985

Seed Program '86

AHS members from across the country are harvesting and packaging their seed donations for the 1986 AHS Seed Program. Donations have already begun to arrive, including *Aquilegia canadensis*, *Lilium leucanthum*, *Gladiolus tristis* and a selection of species and cultivars from Mexico and South America.

The majority of the seed offered in the program is donated by AHS members, so don't miss this opportunity to share a favorite plant with a fellow gardener. Those of you who can only harvest and donate small quantities need not despair; members often donate seed of the same



species. These small donations, added together, will provide us with enough seed to offer in the 1986 program.

For more information on donating seed to the 1986 Seed Program, write to Steve Davis, American Horticultural Society, P.O. Box 0105, Mount Vernon, VA 22121.

Scott Award Presented

Distinguished horticulturist Gertrude Smith Wister has been chosen as the 1985 recipient of the Arthur Hoyt Scott Garden and Horticulture Award from Swarthmore College.

Wister was assistant director of the Scott Horticultural Foundation for 13 years, and held the same position at the John J. Tyler Arboretum in Lima, Pennsylvania. In addition, she edited the *Bulletin* of the National Council of State Garden Clubs and the *Yearbook* of the American Daffodil Society for many years, and was assistant editor of two books on gardening. The author of *Hardy Garden Bulbs* and numerous published articles, she is the wife of the late Dr. John C. Wister, who was the first director of the Scott Foundation and of the Tyler Arboretum.

The Scott Garden and Horticulture Award, established in 1929, consists of a gold medal and \$1,000. It is given to an individual who has made an outstanding contribution to the

science and art of gardening, and who has helped create and develop a wider public interest in the field. It ranks with the American Horticultural Society's Liberty Hyde Bailey Medal as one of the top two horticultural awards in the country.

American Horticulturist

VOLUME 64 NUMBER 7

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Address all editorial correspondence to: **The Editor, American Horticulturist, American Horticultural Society, Box 0105, Mount Vernon, Virginia 22121.** AMERICAN HORTICULTURIST, ISSN 0096-4417, is published monthly by the American Horticultural Society, 7931 East Boulevard Drive, Alexandria, Virginia 22308, 703-768-5700. Dues for membership in the Society start at \$20 per year, \$12 of which is for AMERICAN HORTICULTURIST. Copyright © 1985 by the American Horticultural Society. The American Horticultural Society is a non-profit organization. Contributions are deductible for income tax purposes. Second-class postage paid at Alexandria, Virginia and at additional mailing offices. **Postmaster:** Please send Form 3579 to AMERICAN HORTICULTURIST, Box 0105, Mount Vernon, Virginia 22121.

New Plant Society Formed

Heliconia enthusiasts will want to join the newly formed *Heliconia* Society International. The purpose of this new organization is to increase—through education, research and communication—the enjoyment and understanding of *Heliconia* spp. (commonly called lobster-claw or false bird-of-paradise) and related plants, including members of the following families: Musaceae, Strelitziaceae, Lowiaceae, Zingiberaceae, Cost-

aceae, Cannaceae and Marantaceae.

The *Heliconia* Society International plans to develop a permanent living collection of *Heliconia* and related plants at a site yet to be chosen. The Society also plans to publish an annual journal as well as a periodic newsletter. The first formal meeting of the new organization is scheduled for Saturday, July 27, from 9:00 a.m. to 5:30 p.m. at Flamingo Gardens, 3750 Flamingo Road, Fort Lauderdale, FL 33330. Plans are also under

way for a program on Friday evening, July 26, from 7:00 to 9:30 p.m., and for all-day field trips on Sunday, July 28.

Annual memberships in the *Heliconia* Society International are available for \$20 for individuals, \$30 for families, and \$50 for companies or institutions. For more information about memberships or the July meeting, write *Heliconia* Society International, 6450 S.W. 81 Street, Miami, FL 33143.

AHS Board of Directors Election

American Horticultural Society members are hereby notified that the Society's Annual Meeting will take place at The Westin Hotel in Chicago, Illinois on Thursday, September 12, 1985 at 9:45 a.m.

At this meeting, six directors will be elected for three-year terms. All members in good standing are eligible to vote. If you cannot be present, please sign and return the attached proxy.

Mr. J. Judson Brooks

Mr. Brooks, a resident of Sewickley, Pennsylvania, is a retired vice president of the Pittsburgh National Bank. He is a life-long gardener and a past director of the American Rhododendron Society. Mr. Brooks served as an AHS board member from 1976 until 1984, and was treasurer of the Society from 1981 to 1983.

Mrs. Benjamin P. Bole, Jr.

Mrs. Bole is a member of the Garden Club of America, and has held various positions in GCA, including that of vice president from 1974 to 1976. A resident of Mentor, Ohio, she has been a member of the Garden Club of Cleveland for over 25 years. Mrs. Bole is a GCA-accredited judge in both horticulture and flower arranging. She served as an AHS board member from 1975 to 1983, and is chairman of the Horticultural Awards Committee.

Mr. Russell Clark (Incumbent)

A partner in a Massachusetts investment firm, Mr. Clark is a former president of the Massachusetts Horticultural Society. He is a graduate of the Harvard Landscape School.

Mr. Everitt L. Miller (Incumbent)

Mr. Miller is the former director of Longwood Gardens, Kennett Square, Pennsylvania. He has served as the Society's First Vice President since 1984.

Mrs. Philip Temple (Incumbent)

Mrs. Temple has served as the official White House florist, and has unofficially served in the same position under the Nixon, Ford and Carter administrations. Now retired from the White House, she is consulting extensively.

Dr. John A. Wott (Incumbent)

Dr. Wott is a former professor of horticulture at Purdue University in West Lafayette, Indiana. Currently, he is a professor of urban horticulture at the University of Washington, Seattle.

PROXY

Notice of Election in conjunction with the 40th Annual Meeting of the American Horticultural Society

(Cut proxy and return to Secretary, AHS, PO Box 0105, Mount Vernon, VA 22121.)

Proxy to Vote at Annual Meeting

I will not be able to attend the Annual Meeting of the American Horticultural Society on Thursday, September 12, 1985. Please sign my proxy to AHS Secretary Mrs. Charles W. Allen, Jr. or

to cast my ballot in the annual election of the Society as follows: (vote for six)

- ☐ Mr. J. Judson Brooks
- ☐ Mrs. Benjamin P. Bole, Jr.
- ☐ Mr. Russell Clark
- ☐ Mr. Everitt L. Miller
- ☐ Mrs. Philip Temple
- ☐ Dr. John A. Wott

Write-In Candidate _____

Write-In Candidate _____

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.

Date _____

Signature _____



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Gardener's Dateline

JULY 13-14

**Natural Organic Farmers' Association
11th Annual Conference**

Green Mountain College, Poultney, Vermont. Information: NOFA Conference, PO Box 335, Antrim, NH 03440, (603) 588-6668.

JULY 13-17

**American Association of Nurserymen
110th Annual Convention and
Growers' Expo**

Orlando, Florida. Information: Lawrence E. Scovotto, Associate Manager, AAN, 1250 I St., N.W., #500, Washington, DC 20005, (202) 789-2900.

JULY 16-20

**Men's Garden Clubs of America
National Convention**

Marriott O'Hare Hotel, Chicago, Illinois. Information: Nancy Gorden, MGCA, 5560 Merle Hay Rd., Johnston, IA 50131, (515) 278-0295.

JULY 21-26

National Council for Therapy and

**Rehabilitation Through Horticulture
13th Annual Conference**

Denver, Colorado. Information: Judy Carrier, HTR, Denver Botanic Gardens, 909 York St., Denver, CO 80206, (303) 575-3751.

JULY 28-AUGUST 1

**Plant Growth Regulator Society of
America Annual Meeting**

University of Colorado, Boulder, Colorado. Information: Robert Giaquinta, DuPont Ag. Chemicals, 402 Experiment Stn., Wilmington, DE 19898, (302) 772-4834.

JULY 28-AUGUST 2

**American Society for Horticultural
Science 82nd Annual Meeting**

Virginia Polytechnic Institute, Blacksburg, Virginia. Information: T. A. Fretz, Horticulture Department, Virginia Tech, Blacksburg, VA 24061, (703) 961-5451.

AUGUST 2-4

Water Lily Symposium

Longwood Gardens, Kennett Square, Pennsylvania. Information: Water Lily

Society, PO Box 104, Buckeystown, MD 21717, (301) 662-2230.

AUGUST 6-8

Perennial Plant Symposium

Columbus, Ohio. Information: Perennial Plant Association, Box 86, Kensington, CT 06037.

AUGUST 12-16

**International Society for
Horticultural Science International
Symposium on the Taxonomy of
Cultivated Plants**

International Agriculture Centre, Wageningen, The Netherlands. Information: Ir. W. A. Brandenburg, Dept. of Taxonomy of Cultivated Plants and Weeds, Agricultural University, Haagsteeg 3, 6708 PM Wageningen, The Netherlands.

AUGUST 15-17

**American Association of Botanical
Gardens and Arboreta Mid-Western
Regional Meeting**

Cincinnati Zoo, Cincinnati, Ohio. Information: David Ehrlinger, Horticulturist/Convener, (513) 281-4701, ext. 46.

France A Vine's Eye View

**September 28-
October 13, 1985**

Join AHS members on a tour of some of the most celebrated vineyards and wine estates in France. Led by one of the world's leading viticulturists, Lucie T. Morton, the focus of this trip will be on the horticultural aspects of wine production. The tour includes a week in two of southern France's loveliest and most historic cities, Aix-en-Provence and Avignon, and a week cruising the canals of Burgundy aboard the luxurious hotel barge 'Janine'.

For more information on this tour, please write to: American Horticultural Society, Box 0105, Mt. Vernon, VA 22121, or telephone (617) 246-3575.



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AUGUST 17-26

Southland Home and Garden Show

Anaheim Convention Center, Anaheim, California. Hours: Monday through Thursday, 2 p.m. to 10 p.m.; Friday, 2 p.m. to 11 p.m.; Saturday, noon to 11 p.m.; Sunday, noon to 9 p.m. Information: George Colours, Producer, 1784 West Lincoln, Suite A, Anaheim, CA 92801, (714) 635-8330.

AUGUST 18-21

International Society of Arboriculture Annual Conference

Milwaukee, Wisconsin. Information: Ervin C. Bundy, Executive Director, ISA, 5 Lincoln Sq., PO Box 71, Urbana, IL 61801, (217) 328-2032.

AUGUST 22-24

American Association of Botanical Gardens and Arboreta Southeastern Regional Meeting

Biltmore Estate, Asheville, North Carolina. Information: AABGA Regional Meeting, Biltmore Estate, One Biltmore Plaza, Asheville, NC 28803.

AUGUST 25-SEPTEMBER 11

International Protea Conference and Symposium

Johannesburg and Cape Town, South Africa. Information: The Conference & Symposium Secretariat, Private Bag X5013, 7600 Stellenbosch, Rep. of South Africa.

AUGUST 27-28

New Mexico Garden Clubs Operation Wildflower Workshop

Ghost Ranch Conference Center, Abiquiu, New Mexico. Information: Flo Gustavson, Registration Chairman, 3525 Parisian Way, NE, Albuquerque, NM 87111, (505) 293-2473.

AUGUST 30-SEPTEMBER 2

American Rose Society Fall National Convention

Chicago, Illinois. Information: American Rose Society, Box 30,000, Shreveport, LA 71130, (318) 938-5402.

SEPTEMBER 8-12

Association of Zoological Horticulture Annual Meeting

Columbus, Ohio. Information: Steven Beard, Columbus Zoological Gardens, 9990 Riverside Dr., Box 400, Powell, OH 43065, (614) 889-9471.

SEPTEMBER 11-14

American Horticultural Society Annual Meeting: "Plants and People: The Renewal of Life"

Chicago, Illinois. Information: Connie Clark, American Horticultural Society, PO Box 0105, Mt. Vernon, VA 22121, (703) 768-5700.

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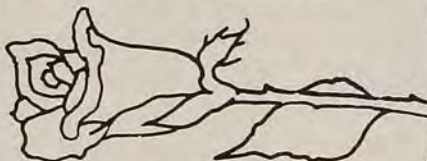
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Two Directories Available

Gardeners interested in native plants should not be without the *Directory to Resources on Wildflower Propagation*, published in 1981 by the National Council of State Garden Clubs.

The 331-page *Directory* divides the United States into six regions, and includes an extensive list of species found in each region. The plants are divided into families and listed in alphabetical order by common name. (Botanical names are included in parentheses.) Following each species' name is a chart that lists life cycle,

propagule, seed treatment, soil moisture regime, flowering time and height. Also listed (by number) are the researchers, that is, the individuals who are doing research on that particular species in that region. This useful guide also includes a complete index, as well as extensive lists of references and native plant sources.

The *Directory to Resources on Wildflower Propagation* is available for \$3.00, which covers postage and handling costs. To order a copy,

write the National Council of State Garden Clubs, 4401 Magnolia Ave., St. Louis, MO 63110.

The Professional Practice Institute of the American Society of Landscape Architects has published a directory of graduate and undergraduate educational programs in landscape architecture offered in the United States and Canada. An invaluable tool for prospective students at both levels, *A Guide to Educational Programs in Landscape Architecture* includes brief descriptions of 43 undergraduate and 32 graduate landscape architecture programs. The directory also provides information on application requirements, deadlines, tuition and faculty.

The 100-page softcover book is available for \$6.00 per copy, including postage and handling. To order, write American Society of Landscape Architects, 1733 Connecticut Avenue, N.W., Washington, DC 20009.

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Plenty of time to explore the historic city of York before visiting typical English country gardens and dining with their owners. Besides the Royal Botanic Gardens in Edinburgh, you will visit the National Trust Garden of Branklyn and more private gardens. You will also enjoy a wonderful two night stay in the Scottish Highlands before flying back to the States.

For your free brochure on this Horticultural Exploration led by a horticulturist, or for the Fall Orient brochure (November 1-25), please write to Education Department, American Horticultural Society, Box 0105, Mt. Vernon, VA 22121.

Or call collect: (513) 281-7000.



Society Renamed

Indoor gardeners will want to join the Indoor Gardening Society of America, which was formerly called the Indoor Light Gardening Society of America. The new name heralds the expansion of the Society's programs, which now cover all aspects of indoor gardening, from growing plants under artificial light to windowsill and greenhouse gardening.

Members receive the bimonthly publication *The Indoor Garden*, as well as a variety of other benefits. Membership costs \$8.00 per year. To join, write Mr. Robert Morrison, 5305 S.W. Hamilton, Portland, OR 97221.

Erratum

The June issue of *American Horticulturist* should have included the following information on three fern societies in the "Sources" section on page 38:

American Fern Society, Inc., Department of Botany, University of Tennessee, Knoxville, TN 37996.

International Tropical Fern Society, 8720 S.W. 34th Street, Miami, FL 33165.

Los Angeles International Fern Society, P.O. Box 90943, Pasadena, CA 91109.

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The club reserves the right of membership approval.
Readers' Garden, Inc.

AH04

Record-Breaking Trees Listed

Readers interested in the country's largest trees will want to write for the American Forestry Association's list of new champion and co-champion trees. The AFA's National Register of Big Trees has officially recognized and published a list of 149 new record-breaking trees. This updates the last full list, published in April 1982.

The Register was started almost 50 years ago by the AFA to protect the giants of the plant world, and to promote an appreciation for the role that trees play in improving our quality of life. The Register recognizes national champion trees for many native and naturalized species in the United States. Champions are judged on the basis of circumference, height and crown spread. (There are still approximately 200 species of trees with no recognized champion.) Several states also have Big Tree programs that coordinate with the national program.

Unfortunately, much of the publicity the big trees receive is due to the loss of a champion to disease, storm damage, old age or, worst of all, vandalism. Vandals were responsible for the 1983 deaths of two champions in California—the Santa Cruz cypress and a 250-year-old California torrey (nutmeg).

Fortunately, many citizens have shown concern for the trees' well-being. For example, dedicated individuals threw a party in honor of the champion yellowwood tree in Belmont, Massachusetts. Also, several of Oregon's big-tree hunters have posted a \$300 reward for anyone locating a champion Douglas fir in Oregon to replace the current champ, located in Washington.

Big-tree hunters themselves often receive much deserved publicity for their dedication and service. Richard Salzer of Annandale, Virginia, has searched for champions for 12 years. He has nominated more than a dozen current national champs, including the largest known fringe tree, which grows on George Washington's Mount Vernon estate, as well as almost half of the 200 trees on the Virginia Big Tree Register.

The *National Register of Big Trees*, published in 1982, is the master list of all champion and co-champion



The Wye Oak, the champion white oak (*Quercus alba*), is located in Wye Mills, Maryland.

trees. It includes information on how to measure a tree and is available for \$2.50, including postage and handling. The updated list, which includes the list of 149 species with new champion and co-champion

trees, costs \$1.25, including postage and handling. To order both lists, send \$3.75 to National Register of Big Trees, American Forestry Association, 1319 18th Street, N.W., Washington, D.C. 20036.

Plants Wanted

Members who are growing or who have access to any of the plants in this month's column are invited to help their fellow members locate seed, plants or cuttings of their "Plants Wanted" by writing directly to the addresses listed below.

Please send your "Plants Wanted" lists, including genus, species, common name and a brief description, to Ray Rogers in care of the Society. Please type or print neatly. We will publish "Plants Wanted" requests on a space-available basis after checking for sources in the Society's mail-order catalogue file.

● *Calamus* spp., rattan palm, wait-awhile vine, a genus of climbing or caespitose and shrub-like palms. The long, flexible stems of some species are the source of rattan. A few species are grown in tropical economic gardens. Requests seed of five species: *Calamus rotang*, *C. caesius*, *C. trachycokns*, *C. scipionium* and *C. manon*. Ing. Fernando E. Baez, P.O.

Box 20653, Santo Domingo, Republica Dominicana.

● *Myosotis sylvatica* 'Rosea', pink-flowered forget-me-not, a pink cultivar of the well-known garden forget-me-not. Marie Maisuk, 1404 106th Avenue W., Duluth, MN 55808.

● *Phyllostachys bambusoides* 'Castillon' (also listed as *P. bambusoides* var. *castillonii*), castillon bamboo, a 30-foot cultivar with yellow stem sheaths that have a green, vertical groove. Leaves sometimes have two narrow golden stripes. 'Castillon' bamboo flowered in the mid-1970's, and since then, no living specimens have been found in the United States. Richard Waters, 1462 Darby Road, Sebastopol, CA 95472.

● *Potentilla thurberi*, a one- to 2½-foot perennial with rich crimson or red-purple flowers that are one-half to three-quarters of an inch in diameter. Native to Arizona, New Mexico and Mexico. P. Rutten, Avenue du 8 Mai 1945, 83600 Frejus, France.

Classifieds



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THE THOMPSON GREENHOUSE "A Living Museum of Begonias" owned and operated by Edward and Mildred Thompson. Over 1,800 begonia species and cultivars displayed. HOURS: 9-12 noon Monday, Wednesday, Thursday, Saturday; 2-5 p.m. Friday. LOCATION: Southampton College campus, Southampton, New York.

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Plants & People: The Renewal of Life

AHS 40th Annual Meeting • September 11-15, 1985 • Chicago, Illinois

Although plants have served as a source of inspiration for creative artists for millennia, recent evidence indicates that a close association between plants and people brings many more beneficial effects to a society than we may have realized. When wildflowers are planted along roadways, people seem more reluctant to litter. Vandalism tends to decrease in ghetto neighborhoods when community gardens are begun. Plants have proven immensely beneficial to the disabled, the elderly and the mentally ill, and have helped relieve the everyday pressures of the work place and home for all of us. Plants provide comfort, promote relaxation and build self-esteem.

At the American Horticultural Society's 40th Annual Meeting in Chicago, horticulturists with expertise in horticultural therapy, urban gardening and plant conservation will help us explore the many-faceted relationship between plants and people. These informative, educational sessions will provide a comprehensive view of people interacting with plants.

The Expanding Field of Horticultural Therapy

Horticultural therapy has become widely recognized as an important tool for improving the quality of people's lives. The National Council for Therapy and Rehabilitation Through Horticulture (NCTRH) is collaborating with the American Horticultural Society at its Annual Meeting to provide insight into the ways this field is developing.

The Restorative Powers of Urban Gardening

In urban areas, field and forest have often been replaced by asphalt and concrete. The effects of urbanization on plant life have been a subject of considerable study, and restoring plant life to urban areas is now a matter of deep concern for organizations and individuals alike. The many benefits of urban gardening—for example, the revitalization of vacant lots and the rekindling of pride in urban neighborhoods—will be studied at the Annual Meeting.

Conserving Our Endangered Plant Species

Hundreds of plant species worldwide have already been lost due to habitat destruction and other pressures, alerting us to the critical need to conserve our native plant heritage. The delicate balance between development and conservation will be explored in Meeting sessions.

ANNUAL MEETING SCHEDULE

Wednesday, September 11, 1985

10:00 a.m. - 5:00 p.m.—Registration at The Westin Hotel.

1:00 - 4:00 p.m.—Optional Tour: The Work of Frederick Law Olmsted and Frank Lloyd Wright (\$18 members, \$20 non-members). Visit the unique planned community of Riverside and public parks commissioned for the Chicago World's Fair of 1893, all designed by the famous landscape architect Frederick Law Olmsted. Stop by the Frank Lloyd Wright home in Oak Park, one of the best examples of Wright's famous "prairie school" design.

4:30 - 5:30 p.m.—Lecture: "Exciting Plants for Heartland America—New Introductions from the Nursery Industry," Richard Hutton, President of Conard-Pyle Co., AHS Board Member, and the person who introduced the 'Rosalyn Carter' rose to the retail market.

5:30 - 7:00 p.m.—Welcoming Reception for Meeting Participants at The Westin Hotel (cash bar). Join fellow horticulturists as we honor our local hosts.

8:30 p.m.—Member's Showcase: "How to Create a Miniature Longwood in the Late Twentieth Century for a Lot Less Money But a Lot More Work," Richard Angino, trial lawyer, avid gardener and member of the AHS Board of Directors.

Thursday, September 12

8:00 - 10:30 a.m.—Registration at The Westin Hotel.
Education and Plenary Session

8:45 - 10:00 a.m.—"People-Plant Interaction: Blessings and Curses," Charles A. Lewis, Horticulturist and Administrator, Collections Program, The Morton Arboretum. Mr. Lewis has written and lectured extensively on the benefits of gardening. A charter member and former board member of the National Council for Therapy and Rehabilitation Through Horticulture, Mr. Lewis has also been a consultant to urban beautification projects and to horticultural organizations.

10:00 - 10:15 a.m.—Coffee Break

10:15 - 10:45 a.m.—"Roots of Life." An informative

slide presentation, prepared by the World Wildlife Fund and the Garden Club of America, explores why plants are as important as animals and why one group must be conserved to save the other.

10:45 a.m. - 11:45 a.m.—“Endangered Native Plants: Volunteers Must Save Them.” Thomas S. Patrick, President of the Tennessee Native Plant Society. Mr. Patrick is a doctoral candidate at the University of Tennessee with a special interest in the taxonomy of trilliums.

12:00 Noon—Lunch. A box lunch will be served on the bus en route to the beautiful suburb of Winnetka.

1:15 p.m.—Tour of Private Gardens in Winnetka. Visit four magnificent private gardens, opened by their owners exclusively for AHS Annual Meeting Participants, in this beautiful residential area north of Chicago.

5:30 p.m.—Return to hotel.

Evening—On your own to explore Chicago.

7:00 p.m.—President’s Council Dinner. Open only to members of the Society’s President’s Council. (For information about membership in this special group, please write to President Edward N. Dane, AHS, PO Box 0105, Mount Vernon, VA 22121.)

Friday, September 13

All-Day Tour to Ball Seed Company, The Morton Arboretum and Cantigny. Meeting registrants will divide into two groups to enjoy more fully the wonderful facilities we have arranged to visit. We will meet for lunch at the beautiful Cantigny estate.

8:15 a.m.—Buses leave for tours. Group A—Ball Seed Company; Group B—The Morton Arboretum.

Tour of Ball Seed Company—Travel to Ball Seed Company, founded in 1905 by George J. Ball. Located in West Chicago, this major seed company has nearly 6,000 types of annual flowers and vegetables growing in its 5-acre display. Visit the All-America Selections Test Garden, one of several across the country where new annuals are evaluated before a select few are chosen to be All-America Selections winners.

Tour of The Morton Arboretum—The Arboretum was established in 1922 by Joy Morton on his Thornhill Estate (1500 acres) in Lisle, Illinois, as a “living museum of woody plants.” Tour the property, the Research Center and the Sterling Morton Library, a leading botanical library. We will also enjoy a special tour of the Arboretum’s exhibit of “plants that merit attention.”

12:00 Noon—Lunch at Cantigny. This 500-acre estate of the late Col. Robert R. McCormick is comprised of the R. R. McCormick Museum, the 1st Division Museum and the Gardens. Among the newest of the great American gardens, Cantigny was designed by landscape architect Franz Lipp to be full of color and drama throughout the year.

2:30 p.m.—Buses leave for tours. Group A—The Morton Arboretum; Group B—Ball Seed Company.

6:00 p.m.—Return to hotel.

7:00 p.m.—Optional Greek Dinner at Dianna’s in Chicago’s famous Greek Town (\$35 members, \$39 non-members).

Saturday, September 14

7:00 - 8:00 a.m.—Education Breakfast (\$13 members, \$15 non-members).

8:15 a.m.—Buses leave for Chicago Botanic Garden.

9:30 - 9:45 a.m.—Introduction to Chicago Botanic Garden, Kris S. Jarantoski, Assistant Director, Chicago Botanic Garden.

9:45 - 10:30 a.m.—Lecture: “Horticultural Therapy: New Beginning with Plants,” Judy Carrier, Horticultural Therapist at the Denver Botanic Gardens and President-Elect of the National Council for Therapy and Rehabilitation Through Horticulture.

10:30 a.m. - 12:00 Noon—Walking Tour/Tram Ride of the Chicago Botanic Garden. The special gardens include the Illinois Prairie Garden, Japanese Gardens, Heritage Garden, Rose Gardens, Regenstein Fruit and Vegetable Garden and Landscape Demonstration Garden, as well as the Sensory Garden for the Visually Handicapped and Turnbull Woods. One-half hour of the tour will be spent at the Learning Garden for the Disabled.

12:00 Noon — Lunch in one of the courtyards of the Chicago Botanic Garden.

1:00 - 3:00 p.m. — Walking Tour/Tram Ride continues.

3:00 - 4:15 p.m.—Special Interest Groups. (We are indebted to the Illinois Horticultural Therapy Network for its assistance in this program.) You will have the opportunity to choose one of the following:

- “Adaptive Gardening—Eliminating the Obstacles”—Robert Hursthouse, H.T.R.
- “How to Make One-Session Horticultural Activities Therapeutic”—Joan Shoemaker, H.T.M.
- “Nature Crafts for Seasonal Use”—Chicago Botanic Garden Intern
- “How to Become Involved in Horticultural Therapy in Your Local Community”—Judy Carrier, H.T.R., Board Member of NCTRH
- “Understanding Disability”—Cathy Rothert, R.P.T.
- “Propagation Techniques for Horticultural Therapy Programs”—Rena Huber, R.N., H.T.R.
- “Gardening with Special Children”—Steven Davis, Director of Grounds, American Horticultural Society

4:30 p.m.—Leave for hotel.

6:15 - 7:30 p.m.—President’s Reception (cash bar) featuring an auction of rare and new hybrid plants from the Chicago Botanic Garden and The Morton Arboretum.

7:30 p.m.—The American Horticultural Society Annual Awards Banquet. Janet Meakin Poor will speak on “Plants That Merit Attention.” Mrs. Poor is Editor of the Garden Club of America’s new book, *Plants That Merit Attention*. She serves on the boards of the American Horticultural Society and the Chicago Botanic Garden, and is a practicing landscape architect. The following awards will be presented:

Liberty Hyde Bailey Medal—Ernesta D. Ballard

G. B. Gunlogson Medal—Charles A. Lewis

CITATIONS:

Commercial (Firm)—Roger's Gardens
Commercial (Individual)—Claude Hope
Horticultural Therapy—The National Council for Therapy and Rehabilitation Through Horticulture
Horticultural Writing—Allen Lacy
Landscape Architecture—Roy G. Thomas
Local Horticulture—Ralph A. Bard, Jr.
Meritorious Service—Catherine H. Sweeney
Professional—Myron Kinnach
Scientific—David G. Leach

Teaching—Judith Garden

Urban Beautification—Jean V. Woodhull and F. Raymond Brush

Sunday, September 15

Optional Day—Exclusive Tour of Private Gardens of Lake Forest. Go behind the garden walls of splendid Tudor mansions and gorgeous estates to view meticulously maintained gardens open only to tour registrants. Lunch is included.

AHS's 40th Annual Meeting Registration Form

Important: Registrations must be postmarked by August 26, 1985. Please register earlier if possible. The full registration fee covers all events and transportation listed on the Annual Meeting Program, including box lunches on Thursday, Friday and Saturday; receptions on Wednesday and Saturday evenings; and the Banquet on Saturday evening. Lodging is not included, nor are the optional activities on Wednesday afternoon, Friday evening or Sunday.

Hotel Information: Accommodations for out-of-town Meeting participants will be available at The Westin Hotel, 909 North Michigan Avenue, Chicago, IL 60611, (312) 943-7200. When we receive your registration form and check, we will send you a hotel reservation card. Please return the card to The Westin Hotel; hotel staff will confirm your reservation.

Room rates for AHS Annual Meeting participants are \$78 (single) and \$88 (double). The hotel will not hold extra rooms for registrations after August 15.

Handicapped Facilities: Rooms for the handicapped are available at The Westin Hotel. Please check the appropriate box on the registration form below if handicapped facilities are required.

Cancellations: A full refund, less \$40 per person for booking expenses, will be made if written cancellation is postmarked by August 26. We cannot honor refund requests postmarked after August 26.

Notice: Member's rates are extended to members of the National Council for Therapy and Rehabilitation Through Horticulture. Please check the proper category on the form below.

Please send payment in full to: Mrs. Robin Williams, American Horticultural Society, P.O. Box 0105, Mount Vernon, VA 22121.

Please list your name(s) as you wish it/them to appear on your badge(s).

Name _____

Spouse's/Guest's Name _____

Address _____

Telephone: Area Code _____ Number _____

☐ Please check here if handicapped facilities are required.

Please enter the number of people registering and the total fee for each item in the spaces below.

	*Member's Fee	How Many Registering	Total Fee	Non-Member's Fee	How Many Registering	Total Fee
Full Registration:						
September 11-14.....	\$185	_____	\$_____	\$215	_____	\$_____
Partial Registration:						
Thursday, September 12.....	60	_____	_____	70	_____	_____
Friday, September 13.....	65	_____	_____	75	_____	_____
Saturday, September 14.....	80	_____	_____	90	_____	_____
Optional Activities:						
<i>Wednesday, September 11</i>						
Olmsted and Wright Tour.....	18	_____	_____	20	_____	_____
<i>Friday, September 13</i>						
Greek Dinner.....	35	_____	_____	39	_____	_____
<i>Saturday, September 14</i>						
Education Breakfast.....	13	_____	_____	15	_____	_____
<i>Sunday, September 15</i>						
Tour of Lake Forest Gardens.....	55	_____	_____	65	_____	_____
TOTAL ENCLOSED			\$_____			\$_____

*Member's rates are also extended to members of the National Council for Therapy and Rehabilitation Through Horticulture.

U.S.D.A. Research Report

The U.S. Department of Agriculture's Agricultural Research Service conducts research in a variety of areas that will one day affect gardening in America. The following are brief summaries of some of the work ARS researchers have undertaken this year that will be of interest to gardeners.

- ARS scientists in Oregon have solved the mystery of stunted seedlings and uneven stands in tree nurseries. Research indicates that inoculation with certain fungi enhances growth of at least four species of conifers—Western red cedar, incense cedar, coast redwood and giant sequoia. Conifer seedlings were treated with three species of vesicular-arbuscular mycorrhizal (VAM) fungi, which had inadvertently been killed during routine soil fumigation in the greenhouse. Treatment not only increased biomass, but it also enhanced seedling uniformity and size in all four species. Fumigants are now recommended that will not harm the VAM fungi that occur naturally in the soil.
- Shade and flowering trees with tougher wood can be bred now that scientists have found ways to select, within one year, young trees that resist decay caused by injury. Research confirms that trees inherit the ability to manufacture chemicals that “box in” wounded wood, thus preventing further decay. Decay seldom kills

trees, but decayed trees occasionally fall on people, and they cause much property damage each year.

- A chemical scent may soon attract armies of “friendly” spined soldier bugs to a single field, where they can feed on a wide variety of crop-destroying insects. Since the soldier bugs feed on insect larvae, pests can be killed at the stage when they inflict the most damage to crops. After the pests are destroyed, the scent could be used to lure the soldier bugs to another field to feed on more insects, while any pests remaining in the first field are mopped up with pesticides.

- Natural allelochemicals are an exciting new way to control weeds. Some plants manufacture and exude

chemicals through their roots and stems that injure other species growing nearby. One such plant, spike-rush, has been found to exude several chemicals harmful to aquatic weeds. Scientists have identified these allelopathic chemicals, and have begun to synthesize them.

- The Medfly threat to orchards in the United States may be lessened once scientists find a way to synthesize a natural plant chemical. Researchers are about a year away from reproducing an ingredient in the oil of angelica plants, a powerful attractant to Mediterranean fruit flies. The lure lasted four times longer in field tests than the attractant currently used in traps to detect new invasions of the dangerous pest.

Wildflower Society Founded

Wildflower enthusiasts in both Canada and the northern United States will no doubt find the new Canadian Wildflower Society of interest. The Society publishes a quarterly magazine, *Wildflower*, which will include a variety of articles on such topics as developing a wildflower garden, the preferred use of binomials, and outstanding wildflower gardens in Canada. Each issue will include a “Conservation Commentary” devoted to environmental problems, and the Society intends to prepare a code of

ethics to be published in an upcoming issue.

The Canadian Wildflower Society also plans to form provincial chapters, and to carry on a number of other projects aimed at educating the public and promoting the use of Canada's wild plants.

Membership in the new Society costs \$15.00 per year and includes a subscription to *Wildflower*. For more information, write Wildflower, 35 Bauer Crescent, Unionville, ON L3R 4H3, Canada.

American Horticulturist

P.O. Box 0105, Mount Vernon, VA 22121

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