The Camp Springs Community Garden Project in Camp Springs, Maryland, has a motto that rings true for all community gardens, and in fact, all gardens in general: "Gardening is down to earth." There is something about kneeling in the rich brown earth, with your friends and neighbors and the sweet smells of the garden surrounding you, that awakens the senses and brings an inner peace to the soul. Community gardeners of all ages reap both intangible and tangible rewards from their gardening projects, including a sense of community, an appreciation for the environment, horticultural therapy, nutritious and less expensive food ... and the list goes on. For more on community gardening, including how to obtain funding and enter contests, turn to page 14.
Greenhouse Quality Cold Frame

Extend growing season & weather. Solid aluminum frame with double-wall polycarbonate glazing. Shatterproof. Optional automatic openers. 39" x 34". Expands with add-on units.

Electric Steinmax Chipper-Shredder
- Compare the value.
- Most powerful motor: 2 hp at 110v, 1700 watts.
- Chipper does 1¼" branches.
- Center blade shreds corn stalks, prunings, old plants, newspapers and leaves.
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This range of 6 cans handles every watering job in the greenhouse, garden or home. Good looking, strong green plastic and built to last. Brass-faced rose attachments provide gentle rain for seed beds and delicate seedlings. All priced under $10.

Compost Bins

Garden and kitchen wastes become rich compost in weeks. Scientifically designed English bins provide warmth and moisture for accelerated decomposition yet ventilate correctly. Add materials anytime. 3 sizes in steel or plastic.

Rose Arbor & Garden Arches

With these classic English arbors you can build a wide variety of garden structures for climbing roses, grapes, wisteria, Clematis, etc. Strong steel tubing sealed in weatherproof green plastic. Easily assembled. 8' tall x 5' wide.

Don't Miss Our Annual Meeting!

Join Society members in San Francisco from August 13 to 17 for our 41st Annual Meeting. The theme for this exciting meeting—Beautiful and Bountiful: Horticulture's Legacy to the Future—certainly reflects the city in which it will be held. San Francisco and its surroundings are filled with lovely and historic gardens and parks, each with its own legacy. Pictured above is the conservatory in Golden Gate Park, whose Victorian architecture was inspired by the royal greenhouses at England's Kew Gardens. For more information on the Society's Annual Meeting, see the ad on page 13.

Club Becomes Sponsoring Member

The Ohio Association of Garden Clubs (OAGC), an organization of over 474 Ohio garden clubs with nearly 10,000 combined members, is the first of its kind to become a Sponsoring Member of the American Horticultural Society. By doing so, the OAGC fulfills one of its stated objectives: to coordinate the actions of its members for the accomplishment of its other objectives. This new alliance will enable both organizations to promote horticulture in a cooperative manner.

Members of the OAGC may now become Associate Members of AHS at a special price of $18 (a 10 percent discount from our regular dues). In addition, the Society will refund to the OAGC's treasury 10 percent of the dues paid by each Associate Member. The OAGC may now take advantage of opportunities for cosponsoring tours, using booth space at AHS annual meetings or major shows, and using AHS publications for publicizing major activities and special events (such as discounts to special events).

Programs within the OAGC include shows for flower show exhibitors and judges, educational clinics; a five-day Nature Study Camp; annual contests and awards for club program books, flower shows and civic beautification; a quarterly publication, The Garden Path magazine; and the publication of various books, handbooks and leaflets pertaining to gardening and horticulture.

The AHS Sponsoring Membership Program is set up as a service to promote horticulture throughout the U.S. by creating a network of horticultural societies, garden clubs, plant societies and related organizations. For more information about the Sponsoring Membership Program, write the Society's Membership Department (AHS, P.O. Box 1015, Mt. Vernon, VA 22121). For membership information from the OAGC, write the OAGC Secretary, Mrs. D. D. Ferguson, 112 Juan Street, Milford, OH 45150, or call (513) 831-0418.
**Tips for Light Gardeners**

Researchers at GTE’s Sylvania Lighting Products Division have been studying agricultural and horticultural applications of artificial lighting. They suggest the following tips for light gardeners:

- Keep in mind that there are three aspects of photosynthesis that are important to successful light gardening—photoperiod, light intensity and light quality.
- Different plants require different photoperiods (the duration of light exposure daily) for maximum performance. Group plants with similar photoperiod requirements together, and schedule the light exposure with an automatic timer.
- For early growth and development, short-day plants generally need 14 to 18 hours of light per day. After the first months of leaf and stem growth, they should be converted to a short-day schedule of 10 to 13 hours. Common short-day plants include poinsettias, chrysanthemums, gardenias and Christmas cactus. Long-day plants such as geraniums, gloxinias and begonias should receive the opposite treatment.
- Plants require different light intensities. For low-energy plants, the growing area should have 15 lamp watts per square foot, with the light source 12 inches to 15 inches above plant tops. High-energy plants should have 20 lamp watts or more per square foot, with the source 12 inches to 15 inches above the plants. For germinating seeds and rooting cuttings, 10 lamp watts per square foot, with lamps six inches to eight inches above soil, should be provided. (Aspidistra, dieffenbachia, dracaena, philodendron, and baby’s-tears are low-energy plants. African violets are intermediates. High-energy plants include herbs, some orchids, vegetables, petunias and marigolds.)
- To increase the radiant energy at the plant surfaces, you can decrease the height of the lamp above the plant, place a good reflecting surface above the lamps, increase the number of lamps or use higher output lamps.
- Light quality refers to the combination of wavelengths emitted by the light source. In the invisible region of the spectrum, the different wavelengths are perceived as different colors. A balance of blue and red light promotes and maintains healthy and attractive plants.
- Fluorescent grow lamps emit light chiefly in the red and blue bands, under which most indoor plants flourish. Incandescent lamps produce red and far-red light energy, but little blue output. Fluorescent lamps tend to be more efficient in the conversion of electrical energy to light.

GTE researchers have produced a 15-page booklet, *Guide to Indoor Garden Lighting with Sylvania Gro-Lux® Lamps*. This booklet includes detailed information on plant lighting, with several charts that explain the differences between the various types of Gro-Lux® lights, as well as information on spacing, temperature, ventilation, propagation, watering and fertilizing. To order a copy, send a business-size envelope with 37¢ postage to Public Affairs Department, GTE Lighting Products, Sylvania Lighting Center, Danvers, MA 01923.

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- Please rush my catalogue by first class mail. Enclosed is $5.50.

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<tr>
<td>Lilypons, MD 21717-0010</td>
<td>Brookshire, TX 77423-0188</td>
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<td>(301) 874-5139</td>
<td>(713) 934-8525</td>
</tr>
</tbody>
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Name

Address

City

State

Zip
New Publications

- **Breaking New Ground.** Readers may be interested in this excellent, but not-so-new publication, which has been in circulation since 1979. This quarterly newsletter, designed for agricultural producers with physical handicaps and for rehabilitation professionals, is certainly doing what its name suggests. The newsletter is an offshoot of a national project (which was begun at Purdue University and was initially sponsored by Deere & Company) that assists agricultural producers with various physical handicaps who want to remain active in their farm or ranch operations.

An estimated 560,000 agricultural workers in this country have physical handicaps that hinder them from completing tasks essential to such operations. Countless other individuals with an interest in gardening are unable to pursue their hobby simply because they lack information on the potential benefits of modern rehabilitation technology. *Breaking New Ground* newsletter attempts to fill this gap in information by providing case histories of handicapped farmers who are "making it." The newsletter also provides descriptions of new products and resources, presents information about modifications for farm tools, equipment and facilities, and includes a calendar of upcoming events.

For more information, write to *Breaking New Ground*, Purdue University, Department of Agricultural Engineering, Ag. Engineering Building, West Lafayette, IN 47907.

- **New England's Rare, Threatened and Endangered Plants.** Compiled by Garrett E. Crow of the University of New Hampshire in collaboration with the New England Botanical Club Endangered Species Committee, this hardcover book includes natural history information on 101 rare, threatened and endangered plants of New England. It is illustrated with numerous pen and ink drawings and beautiful color photographs depicting the species. Richard W. Dyer sums up the importance of this publication.

"Endangered and threatened species possess the unique ability to force us to ponder our relationship with the natural world we share and make us cognizant of the intricacy and fragility of that relationship. This quality could be their single, greatest value if we endeavor to cherish, to conserve, to understand."


- **Endangered Plant Species of the World and Their Endangered Habitats: A Compilation of the Literature.** Researchers, writers and others with an interest in endangered species will find this softcover book, published by The Council on Botanical and Horticultural Libraries, Inc., quite useful. The body of literature is divided into three categories: General Works, Geographic Distribution and Conservation and Preservation, and an author index is provided at the end. The listing includes almost 2,000 published papers.

The book is available for $5.00 from The Council on Botanical and Horticultural Libraries, The New York Botanical Garden, Bronx, New York 10458. (Price includes shipping.)

- **Save Money Through Smart Hiring.** This booklet is put out by Horticulture Hiring the Disabled, a national program to assist employers in horticulture to train and hire disabled workers. Chapters describe the benefits employers will gain when they hire these punctual, diligent and enthusiastic employees; tax credit programs, job accommodation assistance, on-the-job-training projects, the Job Training and Partnership Act, minimum wage exemptions and subsidized employee search agencies are all explained in simple terms.

Horticulture Hiring the Disabled is a project with Industry financially supported by Deere & Company.)
Dutch Elm Disease Update

Scientists continue to make progress against Dutch elm disease. The U.S. National Arboretum in Washington, D.C., recently released two new elm cultivars, 'Homestead' and 'Pioneer', both of which are resistant to Dutch elm disease. In another exciting development, Nursery Crops Research in Delaware, Ohio, is studying cuttings from a few surviving wild American elms (Ulmus americana) in one Ohio town that appear to be naturally resistant to the disease. Even after direct inoculation of the fungus, cuttings from these trees are showing promise of survival. These trees may become the genetic foundation for reestablishment of the American elm, which once graced parks and roadways throughout the eastern U.S.
Gardener's Dateline

MARCH 1-2
Texas Gardener 2nd Annual Garden and Home Show
Waco Convention Center Waco Texas. Information: Lisa Renee Barnett, Executive Director, Texas Gardener's Garden and Home Show, PO Box 9005, Waco, TX 76714, (817) 772-1270.

MARCH 1-9
Cincinnati Home and Garden Show
Convention Center. Hours: Saturdays, noon to 10 p.m.; Sundays, noon to 6 p.m.; Weekdays, 5 p.m. to 10 p.m. Information: Hart Productions, Inc., 1172 W. Galbraith Rd., Suite 216, Cincinnati, OH 45231, (513) 522-7330.

MARCH 6-9
Metropolitan Louisville Home, Garden and Flower Show
Kentucky State Fairgrounds, East Wing and East Hall. Hours: Thursday and Friday, 6 to 11 p.m.; Saturday, 11 a.m. to 11 p.m.; Sunday, 1 to 9 p.m. Admission: Adults, $3; Children 6 to 12, $1; Children under 6, free. Information: Home Builders Association of Louisville, Home Building Center, 1800 Arthur Street at Bloom, Louisville, KY 40217, (502) 637-9737.

MARCH 6-9
Chicago Home and Garden Show
O'Hare Expo Center, Rosemont, IL. Hours: Thursday, 2 to 10 p.m.; Friday and Saturday, 11 a.m. to 10 p.m.; Sunday, 11 a.m. to 6 p.m. Admission: Adults, $5; Children 6 to 12, $1 (under 6, free). Information: Karen Fishman, 405 N. Wabash, Plaza Level 3, Chicago, IL 60611.

MARCH 8-16
New England Spring Flower Show
Bayside Exposition Center, Boston. Hours: 10 a.m. to 10 p.m.; Sundays, 10 a.m. to 8 p.m. Admission: Adults, $5; Seniors, $4; Children, $3.

MARCH 14-23
Pittsburg Home and Garden Show
Pittsburgh Convention Center, Pittsburgh, PA 15222.

THE NEW YORK FLOWER SHOW

Preview: Friday, March 14
Show: Saturday, March 15 through Sunday, March 23
Prem: 9:00
10 A.M.-9 P.M.: Friday, Saturdays & Sundays
10 A.M.-6 P.M.: Monday through Thursday
General Admission: $6.00 Adults
$3.00 Children
$5.00 Advance Sales, 10 or more
Preview Tickets: Call 212-765-5676
Getting There: Pedestrian crossings @ 49th & 51st Streets
Car & Taxi ramp entrance @ 55th Street; proceed to berths 3 & 4 and rooftop parking

*For information, please call:
The Horticultural Society of New York
128 West 58th Street
New York, N.Y. 10019
212-765-5676.
Pennsylvania. Information: John De Santis, Executive Director, 1000 Greentree Rd., Pittsburgh, PA 15220, (412) 921-1343.

MARCH 15-16
Native Plants Preferred. A Symposium on the Use of Native Plants in American Gardens.
Lecture program co-sponsored by the American Horticultural Society and the US National Arboretum. Registrations required. Information: Education Department, Attn: Native Plant Symposium, American Horticultural Society, Box 1015, Mount Vernon, VA 22121, (703) 768-5700.

MARCH 15-23
The New York Flower Show: Garden Fantasies
The New York Passenger Ship Terminal, Pier 90, 55th Street and the West Side Highway, New York, New York. Hours: Opening Saturday and Sunday, 10 a.m. to 9 p.m.; Monday through Thursday, 10 a.m. to 6 p.m.; Friday through Sunday, 10 a.m. to 9 p.m. Admission: Adults, $6; Advance sale groups (10 or more), $5; Children under 12, $3. Information: Meryl Suhb, Horticultural Society of New York, 128 W. 58th St., New York, NY 10019, (212) 477-3738.

MARCH 15-23
Indiana Flower and Patio Show
Indiana State Fairgrounds, West Pavilion Bldg., 1302 E. 38th St. Hours: Saturdays and Friday, 11 a.m. to 10 p.m.; Sundays, 10 a.m. to 6 p.m.; Monday through Thursday, 11 a.m. to 9 p.m. Admission: Adults, $4; Children 6 to 12, $1; Under 6, free. Information: Thelma and Ed Schoenberger, Co-producers, (317) 255-4151.

MARCH 15-23
Builders Home, Flower and Furniture Show
Cobo Hall, Detroit, Michigan. Information: Builders Association of Southeastern Michigan, 20755 Greenfield, #804, Southfield, MI 48075, (313) 569-0644.

MARCH 15-23
Buffalo Home & Garden Show

MARCH 20
National Agriculture Day
Officially recognized by Congress, the President, and most governors. Information: The American Association of Nurserymen, 1250 1 St., NW, Suite 500, Washington, DC 20005, (202) 789-2500.

MARCH 20-23
The 9th Annual Ethnobiology Conference
University of New Mexico, Albuquerque, New Mexico. Information: Caseter Laboratory for Ethnobotanical Studies, Department of Biology, University of New Mexico, Albuquerque, NM 87106, (505) 277-3548.

MARCH 20-23
Central Missouri Home, Lawn, Garden & Recreational Show
Heurns Multi-purpose Building, Columbia, Missouri. Information: Mr. Charles G. Page, Rt. 3, Box 12, Gravois Mills, MO 65037, (314) 372-2277.

MARCH 22-30
Portland Home & Garden Show
To-Ro Enterprises, Inc., Portland, Oregon. Information: Bob King, PO Box 25348, Portland, OR 97225, (503) 246-8291.

MARCH 22-30
International Atlantic City Flower Show
Atlantic City Convention Center Boardwalk, Atlantic City, New Jersey. Hours: Noon to 8 p.m. (Noon to 10 p.m. on March 22, 28 & 29). Admission: Adults,

If you want to answer the ad above, maybe you should read the one below first.

Intensive class work, regular hands-on field and laboratory experience, plus an extended internship assignment at an area retail operation. That's the kind of training you receive when you enroll in DuPage Horticultural School's new Retail Nursery & Garden Center Management and Operations program.

You also study everything from business management to merchandising, small fruit trees to landscape design. With that type of experience, getting a job like the one above becomes a whole lot easier.

☐ Please send more information on the new Retail Nursery & Garden Center Management and Operations program.

☐ I'm interested in greenhouse growing and production. Please send information on your other program, Greenhouse Management and Operations.

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Year Interested in Attending DHS: 86/87 87/88 88/89 89/90

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Atlantic City Flower Show, 132
Avon Place, Amityville, NY 11701, (516)
598-3555.

APRIL 2-6
Edmonton Home & Garden Show
Agri-Com/Exhibition Grounds, Edmonton,
Alberta, Canada. Information: Nelson B.
Gorve, Western Manager, Suite 202-2695
Granville St., Vancouver, BC V6H 1H4,
Canada, (604) 736-3231.

APRIL 2-30
Primary Blooming Season Walks
Rhododendron Species Foundation, Federa-
11 way, Washington. Hours: Sundays, 1
p.m. to 5 p.m.; Wednesdays, 10 a.m. to 3
p.m. Admission: Adults, $2; Children un-
der 12, free; RSF members, free. Information:
Rhododendron Species Foundation, PO Box 3798, Federal Way, WA 98085,
(206) 838-4646 (Seattle) or (206) 927-
6950 (Tacoma).

Upcoming
AHS Events

The following Society-sponsored events have
been scheduled. Unless otherwise noted, all
events will take place at the Society’s head-
quartres, River Farm, which is located at 7931
East Boulevard Drive in Alexandria, Virginia.
For more information on any of these events,
please write or call the Society.

March 15-16, 1986
Wildflower Symposium
For more information, call or write the
Society
May 9, 1986
Spring Open House
Hours: 11 a.m. to 4 p.m. Admission: AHS mem-
ers $2, non-members $5.
June 21, 1986
Daylily/Lily Day
Admission: AHS members $1, non-members
$2.
August 13-18, 1986
AHS Annual Meeting
San Francisco, California
September 6, 1986
Dahila Day
AHS members $1, non-members $2.
October 5, 1986
Autumn Festival
Hours: 11 a.m. to 4 p.m. Admission: AHS mem-
ers $2, non-members $5.
December 13, 1986
Christmas Open House
Hours: 10 a.m. to 4 p.m.
May 13-17, 1987
AHS Annual Meeting
New York, New York

APRIL 2-6
EXPO ’86: ARK-LA-MISS Home &
Recreational Show
Monroe Civic Center, Gravois Mills, Mis-
souri. Information: Page Enterprises, Inc.,
Rte. 3, Box 12, Gravois Mills, MO 65057,
(314) 370-2277.

APRIL 4-5
Georgetown Annual Plantation &
House Tour
Information: Wicklow Hall, Rt. 2, Box 190,
Georgetown, SC 29440.

APRIL 4-6
Hoya Society Annual Meeting
The Hotel Tower Place, Atlanta, Georgia.
Registration: $75. After March 1 add
10%. Information: (800) 408-7022; in
Florida, (800) 282-0244.

APRIL 4-6
10th Annual ALCA Student Field
Days
Associated Landscape Contractors of
America and Oklahoma State University,
Stillwater, Oklahoma. Information: Kelly
Keith, Oklahoma State University, Depart-
ment of Horticulture and Landscape Ar-
tecture, 360 Ag Hall, Stillwater, OH
74078.

APRIL 4, 11
Charleston House & Garden Tours
Garden Club of Charleston, Charleston,
South Carolina. Information: PO Box
2771, Charleston, SC 29401, (803)
577-5113.

APRIL 5
Landscaping With Wildflowers
Symposium
New England Wild Flower Society and
Bentley College, Waltham, Massachusetts.
Hours: 9 a.m. to 4 p.m. Pre-registration:
Members, $45; Non-members, $50. Infor-
mation: Frances Clark, Education Direc-
tor, New England Wild Flower Society,
Garden in the Woods, Hemenway Rd.,
Framingham, MA 01701, (617) 877-7630
or 237-4924.

APRIL 5
Candlelight House & Garden Tour
Women of St. Michael’s Episcopal
Church, Charleston, South Carolina. In-
formation: 14 St. Michael’s Alley, Charle-
ston, SC 29401.

APRIL 5-6
1986 Spring Garden Show
Louisiana Cooperative Extension Service and
The Metro Area Horticultural Com-
mitee, Delgado College Cafeteria, Na-
varre Ave., New Orleans, Louisiana.
Hours: 10 a.m. to 6 p.m. Admission: free.
Information: Louisiana Cooperative Ex-
tension Service, Louisiana State Univer-
sity Agricultural Center, No. 7, Bamboo
Rd., New Orleans, LA 70124, (504)
486-4054.

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Native Plants Preferred

A SYMPOSIUM ON THE USE OF NATIVE AMERICAN PLANTS IN AMERICAN GARDENS

MARCH 15 & 16, 1986
9:30 a.m.-4:00 p.m.
National Wildlife Federation
8925 Leesburg Pike, Vienna, VA

Sponsored by
The American Horticultural Society
The U.S. National Arboretum
The National Wildlife Federation
In Cooperation with
Friends of the National Arboretum
National Capital Area Federation of Garden Clubs
Virginia Wildflower Preservation Society

Practical approaches to working with native plants will be offered by experts in the native plant field. Learn how to:
- design with native plants, flowers, trees, and shrubs
- blend wildflowers and grasses
- establish a successful meadow garden
- buy, conserve, and propagate native plants

REGISTRATION

Name(s) ____________________________
Affiliation ____________________________
Address ____________________________
Street or Box Number ____________________________
City State Zip ____________________________
Tel.: Home ( ) ____________________________
Business ( ) ____________________________

ONE-DAY: □ Saturday, March 15
OR: □ Sunday, March 16
□ $55 Non-Member
□ $45 Member (cooperating organizations)
□ $30 Student with proof of full-time status □ $8 Box lunch

TWO DAYS: □ $90 Non-Member
□ $80 Member □ $50 Student
□ $12 Box lunches both days

Member of: □ AHS □ FONA
□ NWF □ VWPS □ N.C.A.F.G.C.
Please make check payable to: American Horticultural Society and return with your registration form to: Native Plants Preferred, AHS, P.O. Box 0105, Mount Vernon, VA 22121

APRIL 6-9
1986 Williamsburg Garden Symposium

APRIL 6-10
Savannah Tour of Homes & Gardens
Historic Savannah Foundation and Christ Church, Savannah, Georgia. Information: PO Box 1733, Savannah, GA 31402, (912) 253-7787.

APRIL 11-13
Spring Garden & Landscape Show
To-Ro Enterprises, Inc., Portland, Oregon. Information: Gene O’Loughlin, PO Box 25348, Portland, OR 97225, (503) 246-8291 or 292-5540.

APRIL 16-20
San Francisco Landscape Garden Show
Friends of Recreation and Parks, McLaren Lodge, Golden Gate Park, San Francisco, California. Hours: 10 a.m. to 7 p.m. Admission: Adults: $5; Children under 13, free; Group rate (prior arrangement, weekdays), $3.50. Information: Liz Murray, (415) 221-1310.

APRIL 18-21
Suburban, New York Home & Garden Show

APRIL 19-20
Wildflower Conference

APRIL 19-27
Historic Garden Week in Virginia
The Garden Club of Virginia. Information: Kent-Valentine House, 12 East Franklin St., Richmond, VA 23219, (804) 644-7776.

APRIL 21
Horticultural Therapy: New Opportunities Through Volunteerism
The Garden Center of Greater Cleveland, Cleveland, Ohio. (Sponsored by The New York Botanical Garden.) Hours: 9 a.m. to 5 p.m. Registration: Non-member (NYBG), $50; Member, $45. Information: Gindee J. Howard, Administrator of Adult Programs, The New York Botanical Garden, Bronx, NY 10458, (212) 220-8743.

APRIL 26-28
Maryland House & Garden Pilgrimage
Admission: $10 per tour; single house, $5; Group rates (40 or more), 20% discount. Information: Maryland House & Garden Pilgrimage, 1105 A Providence Rd., Towson, MD 21204, (301) 821-6933.

MAY 7-28
Late Blooming Season Walks
Rhododendron Species Foundation. See April 2-30.

MAY 11
American Horticultural Society Spring Open House.
River Farm, 7921 E. Boulevard Drive, Alexandria, Virginia. Hours: 11 a.m. to 4 p.m. Admission: Members, $2; Non-member, $5; Children under 12, free. Information: American Horticultural Society, Education Dept., PO Box 0105, Mt. Vernon, VA 22121, (703) 769-5700.

MAY 16-18
Conference—Plant Conservation Strategies: Options for the Future
The Holden Arboretum and Lakeland Community College, Mentor, Ohio. (Sponsored by The Center for Plant Conservation, Boston, Massachusetts.) Information: Education Department, The Holden Arboretum, 9500 Sperry Rd., Mentor, OH 44060 (216) 946-4400.

MAY 16-18
Second Symposium on Old Roses
University of California Botanical Garden, Berkeley, California. Information: Old Rose Symposium, UC Botanical Garden, Centennial Dr., Berkeley, CA 94720.
China, Horticulture and History  
April 9-29, 1986

Share with us an unforgettable three weeks studying the flora, art and history of China. Under the tutelage of Andrew Lauener, an authority on Chinese plants and recently retired from the Royal Botanic Garden of Edinburgh, and of Dr. William Wu, a Chinese scholar of art history and archaeology, born in Shanghai and now living in San Francisco, we will travel from Hong Kong to Kunming, Xian, Shanghai and Beijing. Richard Hutton, president of Conard-Pyle/Star Roses and current board member of the AHS will also accompany our group.

Dutch Treat, Holland at Tulip Time  
April 27-May 11, 1986

This year’s trip is a variation on last year’s highly acclaimed tour following paths to the country’s thriving horticultural centers. We spend the first week in Amsterdam visiting the gardens of Mien Ruys, the Palais Het Loo, Haarlem and more. The second week we cruise Holland’s canals aboard the luxurious hotel barge Juliana. Our tour leader will be Mary Mattison van Schaik. Mrs. van Schaik, now a Vermonter, lived in Holland for 18 years and has owned a bulb importing business for 30 years. A member of the AHS, she is a popular lecturer and has been a Regional Director of the American Daffodil Society.

Scotland, Unspoiled and Unknown  
May 25-June 8, 1986

Scotland is unquestionably romantic in legend and history and the landscape beautiful and unspoiled. We will visit private homes and gardens in the Western Highlands of Argyll, renowned for its rhododendrons and flowering shrubs. Traveling through remote and breathtaking scenery, we will tour the Isle of Gigha, Crae Woodland Gardens, Inverewe and Inverness. We will be entertained in private homes and castle gardens. In Edinburgh we have the opportunity to explore the city at our own pace and to be entertained by some of Scotland’s most enthusiastic and privileged horticulturalists. We are again fortunate to have Everitt Miller, former director of Longwood Gardens, as our leader.

In Search of Gertrude Jekyll  
July 24-August 7, 1986

Our search for the gardens of Gertrude Jekyll will take us to the English countryside to visit the many homes and gardens that speak to the genius of this outstanding gardener and her remarkable partnership with Sir Edwin Lutyens. Throughout our tour we will meet with English authors, landscape architects and horticulturalists who will share with us their knowledge and affection for the work of Gertrude Jekyll. Our tour leader, Mac Griswold, is a garden writer and historian presently working on a book for New York’s Metropolitan Museum of Art about the garden images in their own collection.

Nantucket and Martha’s Vineyard  
September 14-21, 1986

This fall the island gardens of Nantucket and Martha’s Vineyard will be the focus of a special trip co-sponsored by the New England Wild Flower Society and the AHS. Our visit will concentrate on the natural flora of the islands and the unique qualities resulting from their isolation and unusual climatic conditions. We will be guided by well-known New England botanists, and our tour leader will be Polly Pierce, President of the New England Wild Flower Society.

These trips are sponsored by the American Horticultural Society.
For further information please contact:
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10 Lakeside Office Park, Wakefield, Massachusetts 01880
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40th Annual Williamsburg Garden Symposium

April 6-9, 1986

Some of the world's great gardens, as well as Colonial Williamsburg's smaller, more personal gardens, will be featured at this year's symposium. Noted experts will talk on design, perennials, garden amenities, flower arranging, and the role of the garden center and nursery.

John B.E. Simmons, curator of England's Royal Botanic Gardens at Kew, will be joined by other speakers including Ernesta D. Ballard, Frederick McCourty, Pamela Harper, and Susan Frey.

Tours, behind-the-scenes trips, clinics, films, and other activities make a rich and varied program for the 40th annual Garden Symposium at Colonial Williamsburg.

For information, mail this coupon to:
Garden Symposium Registrar
The Colonial Williamsburg Foundation
Box C, Williamsburg, VA 23187
Or call 1 804 229-1000

Name
Address
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A Graduate Intern's Reflections

Gloomy and somewhat melancholic, my last day as the American Horticultural Society's graduate intern started off matching my emotions perfectly. Every inch of River Farm conjured up memories of the past four months: the beauty of the grounds in autumn and winter, the challenges presented by new lessons to be learned and, most of all, the supportive and friendly staff I had the good fortune to work with. The staff allowed me to take on many responsibilities (something unusual for a recent college graduate), and I learned a good deal about several aspects of the Society. It was a very educational and enjoyable experience; the thought of it being over saddened me.

Although I was born and raised in Berkeley, California, I decided to go to college in the East. I graduated from Cornell University in June 1985, with a Bachelor of Science degree in Floriculture and Ornamental Horticulture. There are a number of things one can do with such a degree, including research, retail sales, propagation and public horticulture. Prior to my internship, I was quite lost in this myriad of options. I knew I was people-oriented, so public horticulture sounded quite appealing. A professor suggested I try an internship with an organization like AHS, to see if public horticulture was "right" for me.

The experience I gleaned from my four-month internship, sponsored by the Heinz Foundation, was invaluable. It enabled me to set more definite career goals and provided me with many of the skills I will need to reach these goals. I was an active participant in the workings of the American Horticultural Society from late summer through early winter. I wrote many of the Gardener's Information Service letters, handled many of the Plants Wanted requests, helped coordinate many of the local events, was very involved in the 1986 Seed Program and worked on the grounds. I matured quite a bit as well. I now know what adults really mean when they talk about budgeting and commuting. Having been exposed to so much, I am now better able to find a direction for my life.

To those coming out of school who lack practical experience in their field of interest, as I did, I would strongly recommend that they use such an internship to fill that void. (They should hope to be as lucky as I have been!)

Now the gloom has vanished from the sky, and my spirit has brightened as well. I am still sad to leave, and AHS will stay in my mind as a fond memory, but now it is time to make good use of my experience. I must forge onward, hoping the Society gained as much from my stay as I did.

—Marjorie Riemer
Heinz Graduate Intern

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...
San Francisco, “The Golden Gate City,” provides a perfect setting for the 41st Annual Meeting of the American Horticultural Society as we focus on the influence of oriental gardens, plant conservation, and edible landscaping.

Often referred to as “the gateway to the Orient,” San Francisco is the “most Asian of occidental cities.” You will delight in the beauty of its oriental gardens as we study the nature and significance of oriental gardening and its influence on American horticulture. A visit to the Japanese Tea Garden in the Golden Gate Park, a botanical treasure, will offer one of the most authentic examples of Japanese landscape artistry outside of Japan.

Explore with us the joys and practical aspects of edible landscaping, which allows one to enjoy both the beauty and the bounty of horticulture.

Tour the Demonstration Gardens of Sunset magazine, magnificent private gardens open only to Meeting participants, and the 70-acre Strybing Arboretum.

Learn “What’s New in Western Plants for American Gardens” as well as what plant conservation efforts are being made from both a world perspective and a national perspective.

Take a trip to Filoli, the beautiful, old Roth Estate with its lovely formal English gardens in Woodside. Visit several gardens by Tommy Church, one of the greatest garden-makers of the century. Observe how the originator of the California living garden incorporated both beauty and a place for everyday activities into one garden area.

Come to San Francisco! Join Society members and other meeting participants as we explore the “Beautiful and Bountiful: Horticulture’s Legacy to the Future.”

Please send me special advance registration information for the Society’s 1986 Annual Meeting in San Francisco, California.

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MAIL TO: Annual Meeting, American Horticultural Society, P.O. Box 0105, Mount Vernon, VA 22121.
Community Gardens: Helping People Help Themselves

Community gardens are growing—not just tomatoes, beans, peppers, squash and corn—they are sprouting more of their own kind. Perpetuated by enthusiasm, dedication and hard work, such gardens can now be found from sea to shining sea in this country.

According to the National Gardening Association's Special Report on Community Gardening, gardening maintained its rank as the most popular outdoor leisure activity in 1984, surpassing jogging, swimming, tennis, golf and fishing. Forty percent (an estimated 34 million) of all U.S. households had vegetable gardens in 1984, and an estimated one million households participated in community gardening projects. Participants listed better tasting and more nutritious food, as well as therapy, social interaction and family activity as reasons for getting involved in community gardens. Such gardens also generate pride and a sense of accomplishment for participants. Community gardeners bridge the generation gap, break down social, economic and racial barriers, beautify neighborhoods and help individuals overcome handicaps.

Funding—Contests and Grants

Surprisingly, community gardening contests and grants, sponsored or supported by gardening associations and corporations, have provided substantial sums of money, equipment and supplies to exceptional community gardening projects.

In 1985, over 620 community garden groups from 45 states competed for a total of $25,000 in cash prizes in the National Community Gardening Contest, co-sponsored (for the last three years) by the American Community Gardening Association (ACGA) and GLAD Wrap and Bags. As Steve Brachman, president of ACGA commented, "Cash prizes go a very long way toward helping community groups attain their goals, buy necessities and continue their operations."

Top prize money of $1,000 was awarded in 1985 to winners in four categories: "new," "large," "small" and "special populations."

New site category winner Gardening Opportunities, Inc., from Green ville, Kentucky was established to "create an efficient and enjoyable community garden, to provide a therapeutic environment for over 50 handicapped adults and youths and to create a research and demonstration site for community residents to visit." Twenty-three different vegetables are grown within the garden's 30,000 square feet.

Fort Mason Community Garden, winner of the ACGA/GLAD large sites category, has been in operation in San Francisco for the past six years, and is cared for by 180 individuals. The 67,000-square-foot garden is found on land owned by the National Park Service, and produces a variety of vegetables including indigenous California plants. These gardeners meet four times a year to hold harvest festivals and conduct some fundraising activities.

Pleasant Village Community Garden in New York, New York was the 1985 national winner for the small sites category. In starting this garden, neighbors in East Harlem gathered together to transform a 9,800 square-foot lot covered with garbage and debris into what they call an "oasis" that generates pride and hope throughout their neighborhood. The garden is located on a vacant lot owned by the city of New York.
The national winner in the special populations category is the 35,200-square-foot Hampton Victory Garden in Hampton, New Hampshire. Located on a field that was once the site of a World War II victory garden, this garden provides a workplace and recreation site for over 45 senior citizens who grow food for themselves and others in need.

According to statistics from the 1984 contest, 66 percent of 420 community gardens entering the contest were located in urban areas. Over half of the garden groups shared some of their produce with others, and produce grown on 94 percent of the 420 sites was used to feed families.

Interest in entering community gardening contests appears to be increasing along with the number of gardens. George Vestal, vice president and general manager of GLAD Wrap and Bags noted: "There's no doubt we had a bumper crop of entrants this year (1985)—27 percent more...than last year." And according to Danielle Freda, Public Relations person for the contest, the number of entrants for the 1986 contest will jump to 1,000, if inquiries thus far are any indication.

Another supporter of community gardening, the National Gardening Association will award grants this February to assist in program development for new and already established gardens. For the fifth consecutive year, seventy-five youth and school groups and seventy-five senior citizens' groups and organizations serving the disabled will be selected to receive awards. Grants packages valued at over $500 each contain seeds, tools, gardening supplies, programming information and gardening literature, as well as memberships in the National Gardening Association. According to Larry Sommers, the NGA's National Director of Community Gardening Programs, packages are geared toward their recipients; for example, seeds of easy-to-grow plants and short-handled tools are provided for younger gardeners (ages six to 12) and indoor, container-grown plants are given to the elderly or disabled.

New to the program this year will be a "networking newsletter" that will provide information on winning gardens of past years. Gardeners will...
be encouraged to swap helpful hints regarding the health and maintenance of their community gardens. A color slide show, featuring winning gardens from the past four years, is also available this year.

Applications for the Garden Grants Program have been received from all across the country in the past, with 48 states represented. Evaluation of the applications is based on four criteria: need and appropriateness, community support, leadership and programming (i.e., what kind of "extra-curricular" activities do the gardeners sponsor or support). After grants are made, the NGA checks on the garden later in the season. Some equipment in the package is held back and distributed at the point in the growing season when it is needed, and evaluations are made at the end of each year to insure the garden is an ongoing venture that will not die out.

As of this writing, the NGA had received over 1,500 inquiries and 500 completed applications for this year’s grants. Information on next year’s program will be available late this spring. Only groups of 15 gardeners or more that have not received a National Gardening Association Grant in the past may compete for this award.

“Before the Fact” Funding

Support for community gardens also can come "before the fact," as evidenced by the Camp Springs Community Gardening Project in Camp Springs, Maryland. The Camp Springs Presbyterian Church has recently set up an endowment fund to help less fortunate people raise gardens for their own table and canning use. The project’s leaders also are soliciting requests from colleges interested in establishing programs for students to raise their own garden produce to defray college expenses, from churches that would like to produce garden kits for elderly or disabled people who are unable to care for an outside garden plot, and from churches, colleges or other organizations who need “seed” money to start their own endowed garden fund. In addition, the project aids individuals and families by providing hand tools, fertilizer, seeds, gas, oil, insecticides and canning supplies. When possible, the project helps to locate garden plots, acquire or borrow tillers and obtain success-oriented gardening and canning advice from experts.

The Camp Springs Community Gardening Fund supports two family gardens in the Camp Springs area. It also co-sponsored an inter-generational community garden project in Washington, D.C., at which senior citizens taught young people how to clear vacant lots and produce fruits and vegetables for their own use. This latter project, sponsored by the Mandala United Ministries under the leadership of the Reverend Mildred Drinkard, expanded into fourteen additional self-help gardens, which were maintained by individual families.

The Camp Springs Community Garden Project grew, like most mighty oaks, from a little acorn. The project began as a small, local effort, with church members collecting garden produce for sale and distribution to local families and organizations whose needs were identified and verified by local ministers, rabbis, priests and chaplains. Cash proceeds eventually were split, with 25 percent going to the endowment fund, and the remaining 75 percent divided between three charitable community
Springs as a model, the National Capitol Community Garden, Calvin Dietrick, coordinator of the Camp Springs program, says the church has hopes of initiating similar programs overseas.

Leaders of the Camp Springs effort also have taken steps to spread the word on community gardens to high places. Their overall goal is to provide a model community gardening program. In the true spirit of the torchbearer (the title of the Camp Springs United Presbyterian Church newsletter), Dietrick sent letters to President Reagan, Alabama governor George C. Wallace, and Maryland governor Harry Hughes, requesting that they consider creating an endowment fund similar to that of Camp Springs, or that they consider establishing community gardens on government property as an example to others. As of the summer of 1985, only Governor Hughes had taken concrete steps toward answering the Camp Springs challenge. Hughes asked Wayne Cawley, Secretary of Maryland's Department of Agriculture, to review the feasibility of such a project at the state level.

The National Community Gardening Association's Special Report on Community Gardening indicates that about one out of four non-gardening households (an estimated 12 million) would be interested in becoming involved in a community gardening effort if one existed nearby. About three out of four of these households are in urban areas. The benefits of community gardens to such households are well known and numerous: more nutritious and better tasting food at lower prices, neighborhood beautification, environmental awareness, social interaction and therapy for the handicapped, to name a few.

Why not start a community garden in your neighborhood, and begin reaping these rewards for yourself? For more information on (and inspiration for) starting a garden endowment fund—or merely a garden—in your community, contact Charles Nelson, coordinator, or the Rev. John McFayden, Camp Springs Presbyterian Church, 4401 Brinkley Road, Camp Springs, MD 20748, (301) 449-7686.

And if your new community garden project gets off the ground, be sure to apply for a garden grant from the National Gardening Association. For more information, contact the National Gardening Association, Garden Grants Program, 87, 180 Flynn Avenue, Burlington, VT 05401. To enter the ACGA/GLAD National Community Gardening Contest this year, write to the American Community Gardening Association, ACGA/GLAD Contest, P.O. Box 93147, Milwaukee, WI 53202, or call (414) 224-4869. (Deadline is June 1; May 1 for the southern region.)

—A. Brooke Russell

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Plants on Pollution Patrol

Researchers in Israel have found that plants are an inexpensive and effective way to monitor pollution. At least 20 different species of plants are being used in a project designed to measure air pollution levels at high pollution areas surrounding oil refineries in Haifa, Israel. The project was initiated by Dutch-born Professor Zev Naveh of the Department of Agricultural Engineering at Technion, Israel's Institute of Science, in response to complaints about pollution from the refineries. "We wanted to discover which pollutants existed, in what concentrations, and most important of all, if they were at dangerous levels," said Naveh. Instead of purchasing expensive monitoring equipment, plant species found to respond to specific pollutants were planted and studied.

Through these studies it was found that alfalfa is sensitive to sulfur dioxide; pinto beans, eggplant and tobacco can detect ozone and nitrates; aleppo pine trees can be used to monitor ozone; tomatoes, lettuce, cucumber and pineapple are sensitive to nitrates; and melons are good monitors of high ethylene levels.

According to Naveh, even persons with minimal training can analyze their plants for damage due to pollution. He believes farmers should use these methods to check their crops for damage, because crop yields can be reduced as much as 20 percent by pollution.

Plants are not only good monitors of pollution, they also can function as biological air-purification systems, according to studies conducted by NASA to identify such systems for use in space stations. Surprisingly, spider plants (Chlorophytum sp.) are highly efficient in absorbing toxic substances. These plants absorbed three toxins that are known to be present in homes and offices to below-detectable levels within 24 hours of exposure. These indoor air pollutants included formaldehyde, a suspected carcinogen released by many building products and home furnishings; carbon monoxide from tobacco smoke and unvented kerosene heaters; and nitrogen dioxide, which escapes from gas appliances and woodstoves. Eight to 15 spider plants would be required to purify the air in an average-sized, well-insulated home.

Chinese evergreen (Aglaonema), golden pothos (Epipremnum aureum), peace lily (Spathiphyllum) and peperomia also lowered pollution levels during testing, but they did not perform as well as spider plants.

On the other side of the coin, scientists at the plant stress laboratory in Beltsville, Maryland, are experimenting with paclobutrazol, a synthesized chemical that regulates plant growth and also has been found to protect crops against injury due to air pollution and other forms of stress. In laboratory tests, tolerance to sulfur dioxide, freezing and high temperatures was increased in soybeans, snap beans and apple seedlings whose leaves or soil had been exposed to the chemical. According to Edward H. Lee, a scientist involved in the testing, the mechanism by which the chemical functions to decrease stress is unknown. It apparently works in some plants but not in others, so it is not yet known if it may one day be widely employed. If it is proven to be consistently effective in protecting the plants listed above, this growth regulator may one day be made into a spray or incorporated into the soil to protect these environmentally sensitive plants.