

American Horticulturist

COMMUNITY GARDENS

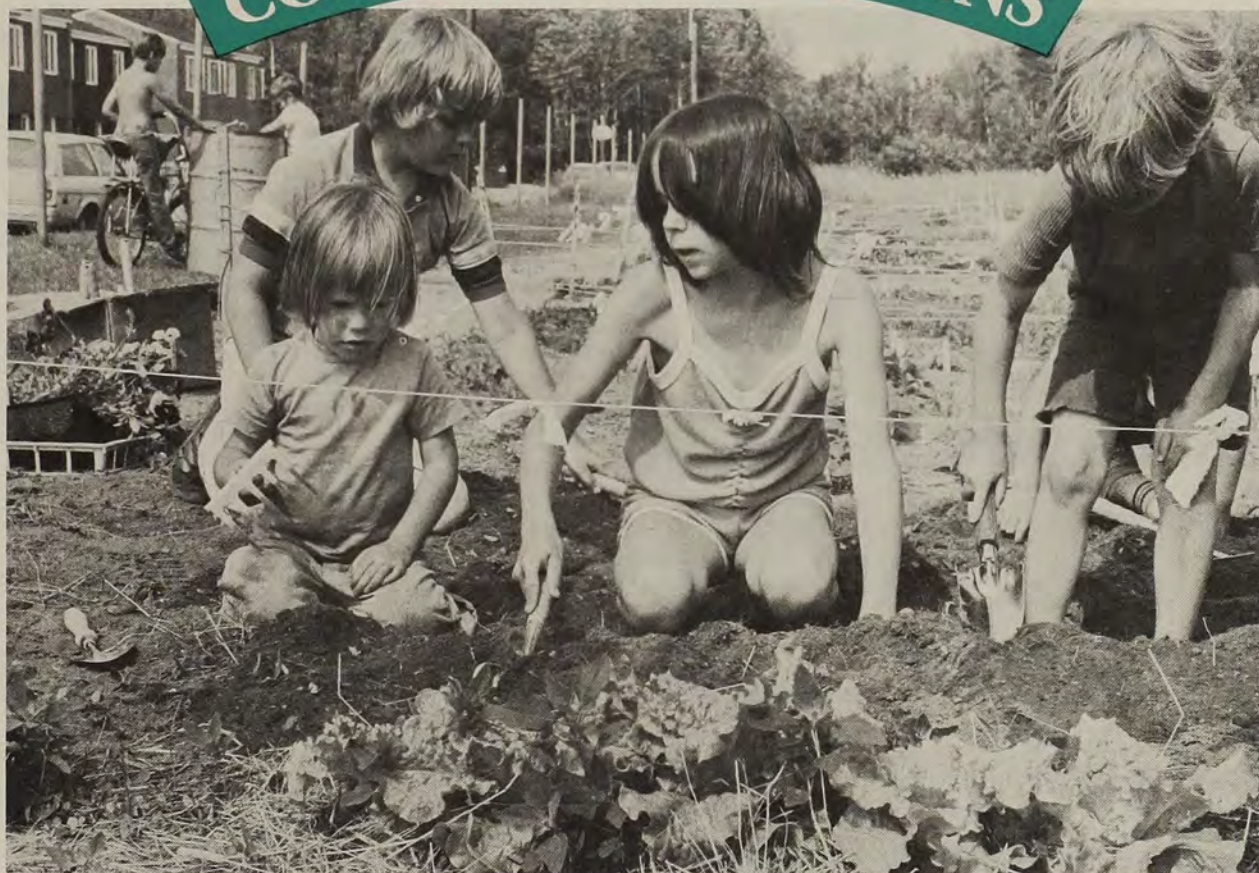


Photo courtesy of NGA

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

Extends growing season 6 weeks. Solid aluminum frame and double-wall polycarbonate glazing.

Shatterproof. Optional automatic openers. 39"x34"
Expands with add-on units.



Electric Steinmax Chipper-Shredder

- Compare the value
- Most powerful motor. 2.3hp on 110v. 1700 watts.
- Chipper does 1 1/4" branches
- Center blade shreds corn stalks, prunings, old plants, newspapers and leaves.
- Bulk leaf shredding accessory.



Imported from England

Watering Cans

Regular &
Long Reach
Models



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.

Sliding-panel

Compost Bins



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

Rose Arbors & Garden Arches

With these classic English arches 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.



Call or write for
FREE INFORMATION PACKAGE

**The
Kinsman
Company**

River Road (Dept. 911) Point Pleasant, PA 18950
(215) 297-5613

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 cohesive, cooperative way.

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 co-sponsoring tours, using booth space at AHS annual meetings or major shows, and using AHS publications for publicizing major activities and special offers (such as discounts to special events).

Programs within the OAGC include schools 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 0105, 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.

American Horticulturist

VOLUME 65 NUMBER 3

EDITOR, PUBLICATIONS DIRECTOR: Barbara W. Ellis.
ART DIRECTOR: Rebecca McClimans. ASSOCIATE
EDITOR: A. Brooke Russell. ASSISTANTS TO THE EDITOR:
Martha Palermo, Cindy Weakland. MEMBERSHIP DIRECTOR:
Sally Hutcheson.

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 © 1986 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.

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.



Lilypons Water Gardens

Begin your water garden today with a Lilypons catalogue featuring page after page of beautiful water lilies, lotus, bog plants, fish, statuary, and the essentials for keeping it all working together.

No pool? Choose a fiberglass or PVC pool from the many sizes shown in the Lilypons catalogue.

☐ Please send the new Lilypons catalogue plus informative newsletters with seasonal sales. Enclosed is \$4.00. Maryland (20¢) and Texas (21¢) residents please add tax.

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

☐ 1500 Amhort Road
P.O. Box 10
Lilypons, MD 21717-0010
(301) 874-5133

☐ 1500 Lilypons Road
P.O. Box 188
Brookshire, TX 77423-0188
(713) 934-8525

Name _____

Address _____

City _____

State _____

Zip _____



VEGETABLE SEEDS FROM AROUND THE WORLD

Radicchio from Italy, Leeks from Holland, Pac Choy from Japan. Over 350 varieties including all the home garden favorites.

HERB SEEDS AND PLANTS

We offer the finest culinary and ornamental varieties. Guaranteed quality on all plants and seeds.

HERBAL CRAFTING SUPPLIES

Essential Oils, Potpourri supplies, wreath forms and everlasting flower seeds.

HERBAL TEAS — Dried Herbs and Spices, and potpourries.

Please write or telephone for a free copy of our 66 page complete gardening catalog for 1986.

NICHOLS GARDEN NURSERY

1190 West Pacific
Albany, OR 97321
(503) 928-9280

Lady Palm Perfection!

LONG LIVED SLOW GROWING
LOW INTERIOR LIGHT TO PARTIAL SHADE
TEMPERATURE - 22° TO 100°
HEIGHTS - 12" TO 48"



Dwarf Rhapis Excelsa
Green & Variegated Varieties

CATALOG \$1



RHAPIS BOOK \$5

Rhapis Gardens

P.O.B. 287-A GREGORY, TEXAS, 78359
(512) 643-2061

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 illus-

trated with numerous pen and ink drawings and beautiful color photographs depicting the species. Richard W. Dyer sums up the importance of works such as this in his foreward:

"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."

The book is available for \$11.00 from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, Stock Number 024-010-00605-6. Price includes shipping within the United States.

• **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 the U.S. Department of Education and sponsored by The National Council for Therapy and Rehabilitation Through Horticulture. For more information and to obtain this free booklet write the HHD National Office, 9220 Wightman Road, Suite 300, Gaithersburg, MD 20879, or call (301) 948-3010.

• **Student Employment and Internships at Botanical Gardens and Arboreta for 1986.** This directory lists 100 summer employment positions and 235 internship positions for 1986 at 78 botanical gardens, arboreta and other horticultural institutions. It includes the institution's address and contact person, deadlines for applications (most are during the spring season so send for the directory and apply early), number of positions available, working hours and compensation plus comments about the positions and the educational benefits offered.

The directory was compiled by Professor Woody Frey of the Ornamental Horticulture Department, California Polytechnic State University, who is also Chairman of the American Association of Botanical Gardens and Arboreta. It may be obtained for \$1.50 from the AABGA, P.O. Box 206, Swarthmore, PA 19081, (215) 328-9145.

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.

SUPERIOR TO ANY PLANT FOOD YOU'VE EVER USED OR YOUR MONEY BACK!!!



The ONLY specialty liquid plant foods in the industry. Made for safety, accuracy and results.

JUNGLE JUICE (2-5-4) for fantastic foliage growth and super green.

GRANNY'S BLOOMERS (0-6-5) ZERO nitrogen and special trace for abundant african violet blooms, you won't believe your eyes.

CACTUS JUICE (1-7-6) For outstanding specimens and helps promote flowering.

FLOWER CRACKER (1-6-5) For Impatiens, Orchids, Bromeliads, Geraniums, all flowering plants.

6 oz. bottle makes 12 gals. capful measure. \$3.85 ppd.

Any 4-6 oz. btls. \$11.85 ppd. Free catalog.

Dept. AH
Deerfield, IL 60015



Clarel
Laboratories Inc.

MINIATURE PLANTS

- for Bonsai, terrariums, dish gardens, mini-landscapes.



Wee shamrocks to bring you good luck, mini-gardenias for Bonsai buffs, dwarf fuchsias to grow on your windowsill. Miniature roses for winter bouquets. Grow fragrant mini lilacs, or little pussy willows. Make a corsage with mini orchids. Enjoy dwarf pomegranates with real fruit! Watch mini Christmas cactus come into bloom. Year 'round shipping to U.S.A. and Canada. Send for mail-order catalog today. It's FREE!

— Clip & Mail —

MINIATURE PLANT WORLD — 45638
Elder Ave., Box 7A, Sardis, B.C. V2R 1A5

☐ YES, I'd like to hear more about your MINI PLANTS. Please rush my FREE Catalog.

My name is _____

I live at _____

In _____

State _____ Zip _____

Do It Our Way

Just pot or repot our way. Strong, healthy growth and beautiful blooms will come your way! ... Year after year after year.

IT'S BACTI-VATED! Baccto Potting Soil is teeming with the live, beneficial bacteria plants need to utilize fertilizer and water efficiently. Plants benefit immediately, and remain healthier longer.

Everything grows better with Baccto Potting Soil. Try it. You'll see.



BACCTO® SOIL BUILDING
PRODUCTS FROM
MICHIGAN PEAT CO.
P.O. Box 66388, Houston, TX 77266

Gardener's Dateline

MARCH 1-2

Texas Gardener 2nd Annual Garden and Home Show

Waco Convention Center Waco Texas. Information: Lisa Renée 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, 1 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 Cen-



ter, 1800 Arthur Street at Bloom, Louisville, KY 40217, (502) 637-9737.

MARCH 6-9

Chicagoland Home and Flower 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, \$6; Sen-

ior citizens, \$5; Children 6 to 12, \$1; Advance tickets, \$5. Information: Bonni Hamilton, (617) 262-8780.

MARCH 9-16

Philadelphia Flower Show

Philadelphia Civic Center, 34th and Civic Center Blvd. Hours: Sundays, 10 a.m. to 6 p.m.; Monday through Saturday, 10 a.m. to 9:30 p.m. Admission: Advance tickets, \$6.25; Adults, \$7; Children under 12, \$3.50. Information: The Pennsylvania Horticultural Society, 325 Walnut St., Philadelphia, PA 19106, (215) 625-8250.

MARCH 12-16

Washington Flower and Garden Show

Washington Convention Center, 900 Ninth Street, NW, Washington, DC. Hours: Wednesday through Saturday, 10 a.m. to 10 p.m.; Sunday, 10 a.m. to 7 p.m. Information: TJS Productions, 7668-B Fullerton Rd., Springfield, VA 22153, (703) 569-7141.

MARCH 14-23

Pittsburg Home and Garden Show

Pittsburgh Convention Center, Pittsburgh,



THE NEW YORK FLOWER SHOW

Preview:	Friday, March 14
Show:	Saturday, March 15 through Sunday, March 23
Pier 90:	Berths 3 & 4 55th Street @ The Hudson River
10 AM-9 PM:	Friday, Saturdays & Sundays
10 AM-6 PM:	Monday through Thursday
General Admission:	\$6.00 Adults \$3.00 Children \$5.00 Advance Sale, 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. Reservations required. Information: Education Department, Attn.: Native Plant Symposium, American Horticultural Society, Box 0105, 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 Suben, Horticultural Society of New York, 128 W. 58th St., New York, NY 10019, (212) 477-7383.

MARCH 15-23

Indiana Flower and Patio Show

Indiana State Fairgrounds, West Pavilion Bldg., 1202 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; Children under 6, free; Adult advance tickets, \$3. 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

Buffalo Convention Center, Buffalo, New York. Information: Paul E. Schweitzer, 527 Statler Bldg., 107 Delaware Ave., Buffalo, NY 14202, (716) 852-2006.

MARCH 20

National Agriculture Day

Officially recognized by Congress, the President, and most governors. Information: The American Association of Nurserymen, 1250 I St., NW, Suite 500, Washington, DC 20005, (202) 789-2900.

MARCH 20-23

The 9th Annual Ethnobiology Conference

University of New Mexico, Albuquerque,

New Mexico. Information: Casetter Laboratory for Ethnobotanical Studies, Department of Biology, University of New Mexico, Albuquerque, NM 87131, (505) 277-3348.

MARCH 20-23

Central Missouri Home, Lawn, Garden & Recreational Show.

Hearns 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.

Name _____
 Address _____
 City _____ State _____ Zip _____
 Phone (_____) _____
 High School _____ Graduation Date _____
 Year Interested in Attending DHS: 86/87 87/88 88/89 89/90

Mail to: DuPage Horticultural School
 1017 West Roosevelt Road
 West Chicago, Illinois 60185

AH3/86



DUPAGE
 HORTICULTURAL
 SCHOOL
 Where practice
 makes professionals.

NATTS
 Accredited School
 National Association of
 Trade and Technical Schools

**NOW... BY MAIL!
UNUSUAL, HARD-
TO-FIND FLOWER
ARRANGING SUPPLIES:**

**Tools, Techniques, Tricks
of the Trade!**

Introducing...

**The ORIGINAL
FLOWER GATHERER**

The patented feature of this precision tool is that a bloom can now be picked, cut from the stem, and held in a single operation! Use for cutting vines as well as flowers. Made in Switzerland by the makers of the original Swiss Army Officers' Knives.

12.95

Postage & handling included;
Calif. res add sales tax.

The Keth Company

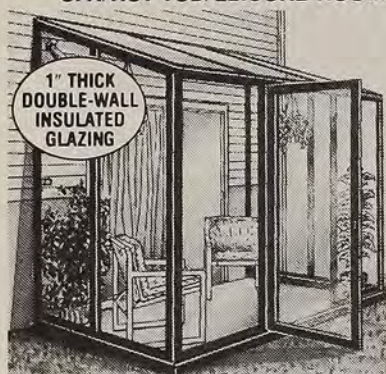
P.O. Box 645

Corona del Mar, CA 92625

THE CATALOG — 1.00



**NEW!
ENERGY-SAVING
SUN-PORCH™**
ENTRY WAY ☐ FOYER
GREENHOUSE ☐ WINDBREAK
SPA/HOT TUB/LEISURE ROOM



**NEW! MULTI-PURPOSE ROOM
ADDS LIGHT, HEAT & SPACE.**

☐ Bronze aluminum frame ☐ Shatter-resistant Plexi-DR® ☐ No foundations required ☐ Easy 4-5 hour assembly ☐ Optional screen package converts your Sun-Porch™ to a Florida Room.

**Introductory Sale Includes
ROOF VENT & DOOR SCREEN**
Keeps Your Sun-Porch™ Cool In Summer

**Send \$2 for Color Catalogues, Prices,
SENT FIRST CLASS MAIL.**

Dealer Inquiries Welcome



VEGETABLE FACTORY, INC.
P.O. Box 2235, Dept. AH-86
New York, NY 10163

\$6; Children, \$3. Information: International Atlantic City Flower Show, 132 Avon Place, Amityville, NY 11701, (516) 598-3355.

APRIL 2-6

Edmonton Home & Garden Show

Agri-Com/Exhibition Grounds, Edmonton, Alberta, Canada. Information: Nelson B. Groves, Western Manager, Suite 202-2695 Granville St., Vancouver, BC V6H 3H4, Canada, (604) 736-3331.

APRIL 2-30

Primary Blooming Season Walks

Rhododendron Species Foundation, Federal Way, Washington. Hours: Sundays, 1 p.m. to 5 p.m.; Wednesdays, 10 a.m. to 3 p.m. Admission: Adults, \$2; Children under 12, free; RSF members, free. Information: Rhododendron Species Foundation, PO Box 3798, Federal Way, WA 98063, (206) 838-4646 (Seattle) or (206) 927-6960 (Tacoma).

**Upcoming
AHS Events**

The following Society-sponsored events have been scheduled. Unless otherwise noted, all events will take place at the Society's headquarters, 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 members \$2, non-members \$3.

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

Dahlia Day

AHS members \$1, non-members \$2.

October 5, 1986

Autumn Festival

Hours: 11 a.m. to 4 p.m. Admission: AHS members \$2, non-members \$3.

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 3-6

EXPO '86: ARK-LA-MISS Home & Recreational Show

Monroe Civic Center, Gravois Mills, Missouri. Information: Page Enterprises, Inc., Rte. 3, Box 12, Gravois Mills, MO 65037, (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) 468-7022; 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, Department of Horticulture and Landscape Architecture, 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) 577-3113.

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. Information: Frances Clark, Education Director, 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. Information: 14 St. Michael's Alley, Charleston, SC 29401.

APRIL 5-6

1986 Spring Garden Show

Louisiana Cooperative Extension Service and The Metro Area Horticultural Committee, Delgado College Cafetorium, Navarre Ave., New Orleans, Louisiana. Hours: 10 a.m. to 6 p.m. Admission: free. Information: Louisiana Cooperative Extension Service, Louisiana State University Agricultural Center, No. 7, Bamboo Rd., New Orleans, LA 70124, (504) 486-4054.



*Chippendale II Suite with 6' Bench,
also available 4' Loveseat, 5' Bench*

Country Casual

Designer and Direct Importer
of Authentic Classic English
Solid Teakwood Garden Seats
and Site Furnishings

A Country Casual Original...

Chippendale II is specifically designed to withstand the rigors of everyday use in public, commercial or residential settings.

Crafted with elegance and durability, the 18th century lattice back is constructed from solid lengths of mortise and tenoned teak.

SOLID TEAKWOOD

BENCHES • CHAIRS • TABLES

SWINGS • PLANTERS

- for park, church, school, office or private garden
- timber weathers to a silver gray patina
- virtually maintenance free

MADE IN ENGLAND.



*Mendip Suite: 6' Bench, Mendip Master Chair,
5' Bench, Chinese Wheel Pattern Table*



*4' Windermere
19" Sq. Grantham Timber Tub*



ENSURE
AUTHENTICITY
SPECIFY
MADE IN
ENGLAND



6'6" Lutyens

Immediate shipment from our own large Maryland inventory
Call or write for more information
16 - page catalogue \$1.00

Country Casual - CAH

17317 Germantown Road, Germantown, Md. 20874-2999
(301) 540-0040 / Metro D.C. #428-3434

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 ☐ \$6 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

The Colonial Williamsburg Foundation,
Williamsburg, Virginia. Registration: \$130.
Information: Mrs. Trudy Moyles, Forums
Registrar, Colonial Williamsburg Founda-
tion, PO Box C, Williamsburg, VA 23187.

APRIL 6-10

Savannah Tour of Homes & Gardens

Historic Savannah Foundation and Christ
Church, Savannah, Georgia. Information:
PO Box 1733, Savannah, GA 31402, (912)
233-7787.

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. Ad-
mission: Adults, \$5; Children under 13,
free; Group rate (prior arrangement,
weekdays), \$3.50. Information: Liz Mur-
ray, (415) 221-1310.

APRIL 18-21

Suburban, New York Home & Garden Show

Buffalo Convention Center, Suffern, New
York. Information: Paul E. Schweitzer,
527 Statler Bldg., 107 Delaware Ave., Buf-
falo, NY 14202, (716) 852-2006.

APRIL 19-20

Wildflower Conference

California Garden Clubs, Inc., Sonora,
California. Reservations: \$50 (daily fees
proportionately lower). Information: Mrs.
Roland Easton, 289 Southgate Drive, Son-
ora, CA 95370.

APRIL 19-27

Historic Garden Week in Virginia

The Garden Club of Virginia. Informa-
tion: 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:
Cindee J. Howard, Administrator of Adult
Programs, The New York Botanical Gar-
den, Bronx, NY 10458, (212) 220-8743.

APRIL 26-MAY 4

Maryland House & Garden Pilgrimage

Admission: \$10 per tour; single house,
\$3; Group rates (40 or more), 20% dis-
count. 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, 7931 E. Boulevard Drive, Al-
exandria, Virginia. Hours: 11 a.m. to 4
p.m. Admission: Members, \$2; Non-mem-
bers, \$3; Children under 12, free. Informa-
tion: American Horticultural Society,
Education Dept., PO Box 0105, Mt. Ver-
non, VA 22121, (703) 768-5700.

MAY 16-18

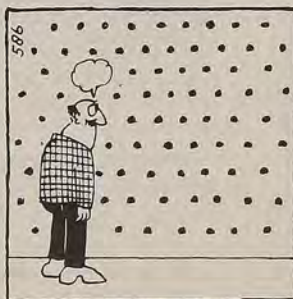
Conference—Plant Conservation Strategies: Options for the Future

The Holden Arboretum and Lakeland
Community College, Mentor, Ohio.
(Sponsored by The Center for Plant Con-
servation, Boston, Massachusetts.) Informa-
tion: Education Department, The Hol-
den 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.





The American Horticultural Society



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

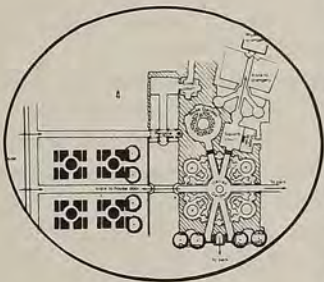
This year's trip is a variation on last year's highly acclaimed tour following paths to the country's thriving horticultural centers. We spend the first week in Amsterdam visiting the gardens of Mien Ruys, the Palais Het Loo, Haarlem and more. The second week we cruise Holland's canals aboard the luxurious 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

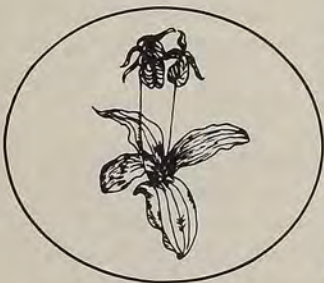
Scotland is unquestionably romantic in legend and history and the landscape beautiful and unspoiled. We will visit private homes and gardens in the Western Highlands of Argyll, renowned for its rhododendrons and flowering shrubs. Traveling through remote and breathtaking scenery, we will tour the Isle of Gigha, Crarae 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:

PASSAGES UNLIMITED

10 Lakeside Office Park, Wakefield, Massachusetts 01880

617-246-3575

PASSAGES



UNLIMITED, INC.



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 _____
City _____ State _____
Zip _____

*Colonial
Williamsburg*
Where 18th Century America lives

AHM

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 spirits have 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 "Plants Wanted" in care of the Society. Please type or print neatly. We will publish them on a space-available basis after checking for sources in the Society's catalogue file.

● ***Crinodendron patagua*** (also listed as *C. dependens* and *Tricuspidaria dependens*), a flowering shrub or small tree that is a native of Chile. Grows to 45 feet or more and bears white, waxy flowers. Would like the yellow-flowered, more tender form, if possible. Leaves are two inches long by one inch wide, generally obtuse, and shallowly and closely toothed. Mr. R. A. Mackay-James, P.O. Box 1028, 900 Glencruitten Ave., Lake Alfred, FL 33850.

● **Native South African trees and shrubs**—both useful and unusual—from the drier parts of the region that are grown in the U. S. Gordon D. Gibson, 2640 Loma Vista Drive, Escondido, CA 92025.

● ***Salix 'Prairie Cascade'***, a cultivar of willow developed in Manitoba. William Randall, Box 104, Dickey, ND 58431.

BEAUTIFUL & BOUNTIFUL

Horticulture's Legacy to the Future

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.



San Francisco Convention & Visitors Bureau

**41st Annual Meeting of the
American Horticultural Society
August 13-16, 1986
San Francisco, California**

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.

NAME _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

MAIL TO: Annual Meeting,
American Horticultural Society,
P.O. Box 0105, Mount Vernon, VA
22121.

Community Gardens: Helping People Help Themselves



This "special population" of senior citizens tends a garden on a New Hampshire site that once supported a World War II Victory Garden.

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 Greenville, Kentucky was established to "create an efficient and enjoyable community garden, to provide a ther-

apeutic 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 fund-raising 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 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



These New York City gardeners have created an oasis of greenery within the city.



Horticultural therapy is one benefit these Kentucky gardeners reap every time they pick up a rake or plant a seed.



Established community gardens such as this San Francisco project can support large numbers of people; 180 individuals tend this 67,000-square-foot site.

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 (ie., 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



Monies from the Camp Springs endowment fund and donations from generous members of the church community (some of whom are pictured here) provide land and the equipment to work it.



Senior citizens share their gardening experience with youths in this Washington, D.C., garden, co-sponsored by the Camp Springs Community Gardening Fund and the Mandala United Ministries.

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 inner-city, 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

organizations.

The endowment fund also receives money from individual gifts. Most gifts range from \$10 to \$50, although substantial contributions of up to \$2,000 have been made. Approximately \$1,000 in operating funds is available for direct use at this time.

Spinoffs of the Camp Springs project already are evident. Using Camp Springs as a model, the National Capitol Presbytery in Washington, D.C., has started an endowment fund for the creation of a 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

—AHS Binders—



How does your garden grow? *American Horticulturist* is not only filled with beautiful pictures, but also with helpful gardening information.

Now you can keep your issues of *American Horticulturist* all in one place for quick, handy reference.

These attractive binders will hold 18 issues. That's three years' worth of gardening know-how.

Our magazine title is attractively embossed in gold on a rich, leatherlike green spine. Easily applied gold numbers are included to help you add dates and volume numbers.

Three or more binders for \$6.50 each or \$7.50 for one binder postpaid. Send your check to Binders, The American Horticultural Society, Mount Vernon, Virginia 22121 and we will fill your order promptly.

GARDEN SCOOT . . . You'll Wonder What You Ever Did Without It!

Garden Scoot is a mobile worktool that saves your back and knees. Its features include:

- Comfortable seat that swivels 360°.
- Wide tires that roll easily through any soil.
- Available in two and three wheel models.

Garden Scoot is designed for gardening, hedge trimming, painting and cleaning cars. It's also useful for many indoor tasks.

\$60 ea. plus \$11.00 p/h



Distributed by: J.L. Future Products Corp. To order call 1-800-255-8989, ext. 3101. In Idaho call 1-800-554-3246, ext. 3101. All major credit cards accepted. N.J. residents add 6% sales tax.

Never again will you
have to waste time
being a "Sprinkler-Watcher"

RainMatic: thousands
in use from coast to coast



RainMatic™ Waters Lawns & Gardens Automatically!

RainMatic's automatic control of sprinklers switches them on and off up to 8 times a day, and from 1 to 14 days. Each watering can be timed to last from one minute to more than 12 hours, or any time in between.

Water at night or when you're away... skip watering on selected days... switch RainMatic to "Manual" when you want to do other gardening chores.

Set it for a day, a week, or for an entire season if you want!

New Freedom from Watering Chores with RainMatic

- Attaches to your outside faucet in seconds: locks to prevent theft
- Uses your existing hose and sprinklers—can control two or more sprinklers to cover large areas
- Automates drip and trickle systems
- Easy to set—as simple as pressing buttons on a pocket calculator
- Weather-protected electronic circuit
- No wiring—uses four long-life "C" alkaline batteries (not included)
- Shipped with "Instruction/Watering Guide" booklet, and one-year warranty

Only \$54.⁹⁹

To Order Call Toll Free

1-800-255-8989-EXT 3101

In Idaho Call

1-800-554-3246-EXT 3101

OR SEND CHECK OR
MONEY ORDER TO

J.L. Future Products Corp.

P.O. Box 107

Fords, N.J. 08863

ALL MAJOR CREDIT CARDS
ACCEPTED

N.J. Residents
Add 6% Sales Tax



Classifieds

AFRICAN VIOLETS

VIOLET LOVERS here's your ticket to blooming success! Informative catalog. Exciting varieties from top hybridizers. Supplies. Custom made solid wood Plant Cases. 50¢. SUN'S VIOLETS, PO Box 329, South Kent, CT 06785.

ALPINE AND ROCK GARDEN PLANTS

A MOST INTERESTING HORTICULTURAL CATALOG for beginner or expert. Over 1,000 plants described with cultural information, many items rarely available in the U.S. Strong healthy plants guaranteed to arrive in ready-to-grow condition. Catalog and Supplement, \$1.50. U.S. shipping only. SISKIYOU RARE PLANT NURSERY, Dept. 64, 2825 Cummings Rd., Medford, OR 97501.

Over 300 Varieties for Sun & Shade. Hardy in Southern Ohio. 24 Page Catalog. Please send 44¢ in stamps. ROCKNOLL NURSERY, 9210 U.S. 50, Dept. 33, Hillsboro, OH 45133.

THE AVANT GARDENER

DIFFERENT, EXCITING, GREAT FUN TO READ—for the gardener who wants to get more out of gardening! Subscribe to THE AVANT GARDENER, the most useful, most quoted of all gardening publications. Every month this unique news service brings you the newest and most practical ongoing information—new plants, products, techniques, with sources, plus feature articles, special issues. 18th year. Awarded Garden Club of America and Massachusetts Horticultural Society Medals for outstanding contributions to horticulture. Curious? Sample copy \$1. Serious? \$10 full year (reg. \$15). THE AVANT GARDENER, Box 489M, New York, NY 10028.

AZALEAS & RHODODENDRONS

AZALEA PETITES—choice and hard-to-find dwarf and ground cover azaleas—hardy and large enough to be transplanted directly "From Our Gardens To Yours!" Two Year Catalog Subscription: \$2.00 (deductible). CARLSON'S GARDENS, Box 305-AHA386, South Salem, NY 10590. (914) 763-5958.

BACK ISSUE WANTED

American Horticulturist. Volume 57, No. 6 (winter 1978). In good condition for binding. R.A. Criley, 3190 Maile Way, No. 102, Honolulu, HI 96822.

BANANA PLANTS

Over 40 varieties from around the world including the cold-tolerant Orinoco Victoria. Indoor and outdoor delicious fruiting varieties. Catalog \$1. GARDEN WORLD, Dept. 32, 2503 Garfield, Laredo, TX 78043.

BONSAI

Looking for Something Different for Bonsai? Extensive selection of affordable containerized starter-plants. Informative catalog—\$2.00. FOR-ESTFARM, 990 Tetherbah, Williams, OR 97544.

Bonsai trees. FREE 1986 catalogs of Bonsai Books, Tools, Pots, Trays, and Supplies. Visit our display when in our area (by appointment). Call or write for catalog or more information. We ship anywhere. Wholesale inquiries invited. BONSAI CREATIONS, Dept. 102AH, 2700 N. 29th Ave. #204, Hollywood, FL 33020 (305) 962-6960.



Classified Ad Rates:

75¢ per word; \$15.00 minimum per insertion. 10% discount for three consecutive insertions using same copy. Copy must be received two months prior to publication date. Send orders to the attention of Cindy Weakland, American Horticultural Society, Box 0105, Mount Vernon, Virginia 22121. Or call (703) 768-5700.

BOOKS

DRIED BOUQUETS SO REAL THEY LOOK

FRESH!!! Two show-and-tell books give Professional secrets for **PRESERVING FLOWERS Step-by-Step** \$2.95 (includes Microwave) and companion book **Step-by-Step BOOK OF DRIED BOUQUETS** \$8.95—over 285 photographs for making Williamsburg, Victorian, Modern, Gifts. Both Books \$12.90 ppd. FREE NEWSLETTER, send stamp. ROBERTA MOFFITT, Box 3597, Wilmington, DE 19807.

REFERENCE GUIDE TO ORNAMENTAL PLANT CULTIVARS. 200+ page supplement to outdated reference works. Thousands of new cultivar descriptions, plant sources, and references. \$25.00. TAXONOMIC COMPUTER RESEARCH, Box 5747, Raleigh, NC 27650-5747.

Books about Plants, Horticulture, Botany, Landscaping, Pomology, Herbolody any age. 1000 Title Catalogue \$1.00. POMONA BOOKS, Rockton, Ontario, Canada, LOR 1X0.

RARE GARDEN & LANDSCAPE BOOKS. \$2 for Attractive Catalog of old & new books. Includes Jekyll, Triggs, Wm Robinson, Millais Rhodos, Grey Bulbs. News of New Books, Hobhouse, GS Thomas, etc. Hyamns Botanical Gardens only \$20. **GLADSTONE & CAMPBELL**, No. 11 (A), 36 Buckingham Gate, London SW1E 6PB. England.

1985 Edition EXOTICA 4, with 16,300 photos, 405 in color, 2,600 pages in 2 volumes, with Addenda of 1,000 Updates, by Dr. A. B. Graf, \$187. TROPICA 3, revised 1986, 7,000 color photos, now 1,156 pages, \$125. Exotic Plant Manual, 5th Ed., 4,200 photos, \$37.50. Exotic House Plants, 1,200 photos, \$8.95. Circulars gladly sent. ROEHRS, Box 125, E. Rutherford, NJ 07073.

Out of Print and scarce gardening and botanical books. Catalogs issued regularly. Please write to WHEELBARROW BOOKS, 22, Brangwyn Ave., Brighton, Sussex, BN1 8XG, England.

BROMELIAD CULTURAL INFORMATION

LEARN ABOUT BROMELIADS. Colorful, fascinat-

ing, easily grown, send stamp for cultural information. BROMELIAD SOCIETY, INC., 2355B Rusk, Beaumont, TX 77702.

BROOKLYN BOTANIC GARDEN INTERNSHIPS

Spring and summer internships in practical horticulture and teaching are available at the Brooklyn Botanic Garden. For information on different internships offered, please write to: Internships, BROOKLYN BOTANIC GARDEN, 1000 Washington Ave., Brooklyn, NY 11225.

BULBS

HYMENOCALLIS, CRINUM, SPREKELIA, Rain Lilies, including rare species. Price list free, descriptive brochure \$1.50. SHIELDS HORTICULTURAL GARDENS, POB 92-A, Westfield, IN 46074. Unusual Daffodil varieties—specializing in hybridizing development of new pinks and species hybrids. Bulbs grown and personally cared for on our Oregon farm. Color catalog—send \$3.00 (deductible on order) to: GRANT MITSCH NOVELTY DAFFODILS, PO Box 218D, Hubbard, OR 97032.

BUSINESS OPPORTUNITIES

WHOLESALE NURSERY—35 yr. old business, located in Louisiana. Beautifully maintained, well-drained profitable plant and shrub nursery with over 2mm plants in pots. Greenhouses, warehouse, office mechanized and computerized with all infrastructure in place ready for interested party looking towards the future. Over 2mm in revenues. #5865. Contact S. Taylor. INTERNATIONAL BUSINESS EXCHANGE, PO Box 15046, Austin, TX 78761. (504) 394-3145 or (512) 454-2733.

CACTI & SUCCULENTS

Over 1,700 Species of Cacti and Succulents. All color Catalog \$2.00 (Deductible). ABBEY GARDEN, Box 1205A, Carpinteria, CA 93013.

"CATALOG OF UNUSUAL SUCCULENTS" Discover the largest selection of weird and unusual succulents—picture book catalog of succulent crests, variegates, living stones, and oddballs. Send \$1.00 today. "CATALOG OF UNUSUAL SUCCULENTS" Dept. A3, 553 Buena Creek Road, San Marcos, CA 92069.

EXOTIC CACTI AND SUCCULENT PLANTS... Unique Mail-Order Catalog... \$2.00 (Refundable first order). K & L CACTUS AND SUCCULENT NURSERY, 12712 Stockton Blvd., Galt, CA 95632.

Unusual and unique cactus plants from the great Southwest... all fully guaranteed up to one year! FREE Catalog; call toll free 1-800-325-2453 or write: ARID LANDS PLANTS, 6538C East Tanque Verde AH, Tucson, AZ 85715.

CATALOGS

96-page color catalog has many sensational values on more than 1,300 varieties of Peonies, Daylilies and Iris, plus timely tips. \$2.00 (deductible on first catalog order). GILBERT WILD & SON, INC., AH-386, Joplin Street, Sarcoxie, MO 64862.

CARNIVOROUS PLANTS

Carnivorous, woodland terrarium plants and supplies. Book, *The World of Carnivorous Plants*, \$8.95 postpaid. Catalog FREE. PETER PAULS NURSERIES, Canandaigua, NY 14424.

COMPUTER SOFTWARE

LANDSCAPE PLANT SELECTION PACKAGES for IBM PC and compatibles. Library of over 2,500 plants. Long SASE for literature. PLANT DATABASES, PO Box 142, Syracuse, NY 13208-0142.

DAYLILIES

Daylilies "The Ultimate Perennial" we grow hundreds of the finest cultivars available. Color catalogue \$1.00. GREENWOOD NURSERY, 2 El Camino Ratel, Goleta, CA 93117.

DRIP IRRIGATION

Free Information. Ideal for Flowers, vegetables. Save water, reduce disease, increase yields, simple operation, durable. MISER IRRIGATION, Box 94616 AH, Lincoln, NE 68509-4616.

DWARF CONIFERS

Over 180 types of dwarf conifers, small leaf rhododendrons, and hollies. Many suitable for bonsai. Described by size, shape, color and texture. 50-page catalog \$2.00 (refundable). WASHINGTON EVERGREEN NURSERY, Box 388AH, Leicester, NC 28748.

EDUCATION

The New York Botanical Garden School of Horticulture. A twenty-one-month program designed to train professional horticulturists through a combination of academic work and practical field experience. Curriculum includes botany, horticulture and landscape design. Work experience is offered at the 250-acre Botanical Garden and at other sites. Licensed by the New York State Education Department. For catalogue write: School of Horticulture, Education Building, THE NEW YORK BOTANICAL GARDEN, Bronx, New York 10458-5126 or call: (212) 220-8739.

EPIPHYLLUM HYBRIDS

EPIPHYLLUMS (ORCHID CACTUS), RHIPHALIS, HOYAS. Quality cuttings at reasonable prices. Family run business since 1924. Catalog 50¢. BEAHM EPIPHYLLUM GARDENS, Dept. AH86, 2686 Paloma, Pasadena, CA 91107.

EXOTIC PLANTS

"STALLINGS NURSERY DELIVERS!" Over 700 of the world's most beautiful plants! 250 genera listed, including many rare varieties of Hibiscus, Jasmines, Abutilons, subtropicals, Vines, Perennials, and more! Send \$2.00 (refundable with first order) for our all-new mail-order Catalog and Supplement. STALLINGS NURSERY (Since 1945) 910-AH, Encinitas Blvd., Encinitas, CA 92024.

100% ORGANIC FERTILIZER

Peruvian Seabird Guano. 100% organic "Gourmet" fertilizer. Increase the yield of rose, vegetable gardens and indoor plants. Dealer Inquiries Invited. FREE information. Call or write: LAWRENCE A. POZARELLI, 3562 E. 80th St., Cleveland, OH 44105, (216) 641-1200.

FRAGRANCE

GROW SOMETHING OLD, new, fragrant, blue. Many obtainable only from seed. THE FRAGRANT PATH, PO Box 328, Fort Calhoun, NE 68023. Catalogue \$1.

FROM THE VALLEY OF FLOWERS

Sweet Pea Collection, Old Spice, Bijou Mixed, Knee hi Mixed, Multiflora Mixed and Floribunda Mixed. SPECIALTY SEEDS, PO Box 842, Lompoc, CA 93436, \$5.00 prepaid, check or money order.

FUCHSIAS

Over 50 heat-resistant varieties. 10 rooted cuttings for \$10.45. 10 starter plants for \$19.95. Catalog 40¢. FUCHSIAS, Rte. 14, Cookeville, TN 38501.

Its *Nor'East* for the Very Finest in Miniature Roses

Nor'East Miniature Roses, Inc.



We carry the best selection, featuring the very best of the older and the very newest varieties.

☐ Send My Free Color Catalog Today!

Name _____

Address _____

City _____

State _____

Zip _____

Nor'East Miniature Roses, Inc.
58 Hammond Street, Dept. AH
Rowley, Massachusetts 01969

PLANTS NEED MINERALS NOT MIRACLES...

Order Toll Free:
800-841-1105

In NY & Alaska: 516-922-9176



That's why we formulated Multi-mineral **GREEN CROSS** Wintercare (2-20-10), an exclusive granular nutritional formula specifically designed to harden stems, strengthen roots, reduce winter, wind, dieback, acid rain and drought injury. Loaded with **CALCIUM, MAGNESIUM, IRON...ALL MINERALS—NO FILLERS. GREEN CROSS** Wintercare fortifies and protects roses, camellias, rhododendron, azaleas, trees, shrubs, perennials...all plants. Results are cumulative with continued use. Patent Pending.

1.5 lbs.—\$7.95 (Treats 6 Plants)

5.0 lbs.—\$14.95 (Treats 20 Plants)

25 lbs.—\$32.99 (Treats 100 Plants)

★ **SPECIAL 10% OFF ORDERS OF 100 LBS. OR MORE**

Prices Postpaid in USA. Canada, AK, HI, PR

add 25%. Orders shipped UPS.

Send check to: Green Cross Wintercare Inc., P.O. Box

195 Dept. H, Oyster Bay, NY 11771 • 516-922-9176.

Name: _____

Address: _____

City: _____

State: _____

Zip: _____

Phone: _____

Please **RUSH** a **FREE** Brochure.

Also available through: Smith & Hawken, Van Bourgondien, Brookstone (Plantfreeze), Gardener's Eden, McFayden Seed (Canada) catalogs and the finest horticultural nurseries.

DEALER INQUIRIES INVITED
YOU CAN TRUST THE GREEN CROSS!

GALA HERB WEEKEND

BITTERSWEET HILL NURSERIES, Rt. 424 and Governor's Bridge Road, Davidsonville, MD, is presenting Gala Herb Weekend, March 15-16. FREE Herb Garden Designs. Exhibits, demonstrations, door prizes, Display Herb Garden Tours. Special sale on favorite herb plants. Public Invited! (301) 798-0231.

GARDEN ORNAMENTS

ERKINS—Since 1910 importer of finest lead, iron, terra cotta and teak garden ornaments. Send \$4.00 for catalogue. ERKINS STUDIOS, 604 Thames Street, Newport, RI 02840. Dealer inquiries welcome.

GARDENING

Grow beautiful plants, vegetables. Easy no soil Hydroponics. Indoor/outdoor. High yields. Free details: BONNIE, Box 2412, Columbia, SC 29202.

GRAPE VINES

FREE GRAPE CATALOG. Over 34 varieties—Seedless, Dessert & Wine. SQUARE ROOT NURSERY, "The Grape People," 4764 Deuel Rd., Dept. X, Canandaigua, NY 14424. Phone: (716) 394-3140.

GREENHOUSE ACCESSORIES

COMPLETE MIST PROPAGATION SYSTEMS. Get phenomenal propagation results—Greater financial yield! Unequalled—inexpensive—FREE brochure. AQUAMONITOR, Box 327, Dept. B, Huntington, NY 11743.

GREENHOUSE BOOKS

GREENHOUSE MANAGEMENT—SECOND EDITION by Robert W. Langhans, Cornell University professor. Information on heating, cooling, watering, lighting and pest control. 270 pages, 209 illustrations. Send \$21.00 postpaid to HALCYON PRESS OF ITHACA, 111 Halcyon Hill Road, Ithaca, NY 14850.

GREENHOUSE EQUIPMENT

FREE CATALOG—Save on equipment, pots, flats, baskets, soils, fertilizers. Send 22¢ stamp for postage. GROW-N-ENERGY, PO Box 508A, Baldwin Place, NY 10505.

GREENHOUSES

Redwood/fiberglass, solar-efficient kits, functional, economical. Write for FREE brochure. GOTHIC ARCH GREENHOUSES, PO Box 1564-AH, Mobile, AL 36633-1564.

GROUND COVERS

PACHYSANDRA—Sturdy, heavily rooted plants for shaded areas. Postpaid: 50¢-\$13.95; 100¢-\$24.95; 500¢-\$99.95; 1,000¢-\$175.00. First-class stock. Folder on request. PEEKSKILL NURSERIES, Shrub Oak, NY 10588.

GUARANTEED TO WORK BETTER!!!

University approved finest liquid concentrated house plant foods available. JUNGLE JUICE FOR FOLIAGE, GRANNY'S BLOOMERS CACTUS JUICE for bromeliads and cacti FLOWER CRACKER FOR IMPATIENS, ALL FLOWERING PLANTS. Any one for \$3.85; Any of all four ppd. only \$11.00. CLAREL LABORATORIES, INC., Dept. AHA, Deerfield, IL 60015.

HEATHS & HEATHERS

Enjoy a colorful all-year HEATHER GARDEN! Send SASE for descriptive 100-cultivar list. HEATHER GROWERS, Box 850, Elma, WA 98541.

HELP WANTED

CURATOR-ROCK GARDEN, NEW YORK BOTANICAL GARDEN. Immediate opening for experienced Horticulturist to assume supervision of

Rock Garden. Responsibilities: Care, cultivation, display, propagation, inventory, mapping and labeling of collection, and acquisition of new plants. Requirements: B.S. in Horticulture, Landscape Architecture or Botany. (Masters preferred). Minimum of 5 years experience. Demonstrated high level of expertise may substitute in part, for educational requirement. Excellent salary and benefits package. Send resume and letters of recommendations to: Director of Personnel Services, NEW YORK BOTANICAL GARDEN, Bronx, NY 10458. Equal Opportunity Employer M/F.

Grounds foreman needed for 1,200 acre garden in Pawling, NY. Good salary, full benefits, housing. Duties include maintenance of plantings, organization and direction of large grounds and construction crew. Starting date: May 1, 1986. Please reply to DAVID RATHBUN, PO BOX AA, Pawling, NY 12564. (914) 855-1531.

GARDENER FOR PALM BEACH PROPERTY. Must have experience in all aspects of Tropical Landscape Maintenance. Emphasis on Roses, Orchids and Hybrid Hibiscus, Flower Propagation. Salary open for full-time position. Serious inquiries only to: HORTICULTURAL ADVISORY SERVICE, PO Box 953, Palm Beach, FL 33480.

HERBS

Large selection of perennial and annual herbs. Catalog \$1.50 (refundable with order). WRENWOOD, Rte. 4, PO Box 361, Berkeley Springs, WV 25411.

Herbs, Potpourri, oils, plants, sea shells, books, accessories. Catalog \$1.00. MIX NICHE, Dept. A, 7012 Alder, Houston, TX 77081.

Specializing in Herbs, Scented Geraniums, Ivies, Fuchsias. One Thousand cultivars listed. 40th anniversary catalog \$2.00. MERRY GARDENS, PO Box 595, Camden, ME 04843.

HERB-GROUND COVER-ROCKERY

HERBS, SUPER-HARDY GROUND COVER, ROCKERY. Large selection uncommonly healthy plants, reasonable. Catalog very informative on creating ground cover gardens, culinary, medicinal herb uses, \$1.00. LOST PRAIRIE HERB FARM, 805 Kienas Rd., Kalispell, MT 59901.

HERB & PERENNIAL WEEKEND AT WRENWOOD

Mother's Day Weekend, May 10th & 11th. Workshops, Ice Cream Social, and plant and hanging basket sale. WRENWOOD, Berkeley Springs, WV 25411 (304) 258-3071.

HERB PLANTS

400 Varieties of herb plants, seeds. Common, exotic. Catalogue-\$1.50, deductible. COMPANION PLANTS, Rte. 6, PO Box 88AH, Athens, OH 45701.

HORTICULTURE THERAPY

50¢ doesn't buy much anymore. But 50¢ will pay all the costs of one square foot of garden space for an entire year in our horticulture therapy and rehabilitation program. For more information, contact Joe Krake, THE FLOWER POT GREENHOUSE, N.W. 18th Street, Richmond, IN 47374.

HOSTAS

Wide selection. Descriptive catalog \$1.00. SAVORY'S GREENHOUSES AND GARDENS, Hybridizers and Growers, (612) 941-8755, 5300 Whiting Ave., Edina, MN 55435.

HOUSE PLANTS

ORCHIDS, GESNERIADS, BEGONIAS, CACTI & SUCCULENTS. Visitors welcome. 1986-87 catalog \$1.75. LAURAY OF SALISBURY, Rt. 41 (Undermountain Rd.), Salisbury, CT 06068 (203) 435-2263.

March 1-2. Display and sale of flowering and exotic plants—Orchids, Begonias, Ferns, Gesneriads, Insectivorous, Anthuriums, etc. Topiary Demonstration each day. Round Table Discussions 1:30-3:30 each day. Advance Registration Required—NO CHARGE. GREAT FALLS GREENHOUSES, 10106 Georgetown Pike, Great Falls, VA 22066. (703) 759-3493. Exit 13W off Interstate 495.

INDOOR-OUTDOOR GARDENING SUPPLIES

"FREE CATALOGUE" ... "LOWEST PRICES—TOP QUALITY SUPPLIES" ... Plastic pots, hanging baskets, peat pots, etc. ... 2 Stamps ... Postage ... PLANT COLLECTIBLES, 103E Kenview Ave., Buffalo, NY 14217.

FREE GROWING SUPPLIES CATALOG. Wholesale Prices! Fast Service! Pots, flats, labels, fertilizer, tools, plant stands. FPI-H, 2242 Palmer, Schaumburg, IL 60195.

IRRIGATION

DRIP IRRIGATION at discount prices. Send for FREE literature. Catalog and Design Manual available for \$3.95 each. TRICKLE SOAK SYSTEMS, PO Box 58-AH, Santee, CA 92071. (619) 449-6408.

JAPANESE AND AMERICAN WILDFLOWERS

Japanese and American Wildflowers, also Cyclamen, Epimediums, Alliums, Species Iris, Rock Garden Plants, Rare and Unusual Perennials, Catalogue \$5.00. WE-DU NURSERIES, Rte. 5, Box 724, Marion, NC 28752.

JASMINES

Jasmines. Poet's. Grand Duke or Jas. polyanthem. 4 for \$7.50. List 25¢. EDNA WELSH, Rte 3, Box 1700, Madison, FL 32340.

KOI

Finest Quality Japanese Koi, 3" to 28", \$15.00 to \$1,000.00 each. Philadelphia area. Call: Weekdays: (215) 563-3336; Evenings/weekends: (215) 667-7340.

MAPLES

MATSU-MOMIJI NURSERY—Attention Discriminating Gardeners and Bonsai Growers—we are offering the finest Japanese Maples and Black Pines. Also we have selections of Spruce and Tropicals for Indoor Growers. Catalog \$1.25, PO Box 11414, Philadelphia, PA 19111. (215) 722-6286.

NATURAL DECORATIONS

Unusual All-Season Wreaths! Enchanting Victorian, Adorable Country, Sophisticated Casual, more! Catalogue \$1.00 (refundable). MERRY MEADOW FARM, Box 8061E, Cranston, RI 02920.

NURSERY STOCK

MILLIONS OF SEEDLINGS: High Quality, Reasonable Prices. Over 100 Selections for Christmas Trees, Ornamentals, Windbreaks, Timber, Soil Conservation, Wildlife Cover. FREE CATALOG. CARINO NURSERIES, Box 538, Dept. J, Indiana, PA 15701.

BABY EVERGREENS, seeds, seedlings, rhododendrons, azaleas, flowering shrubs, shade trees, large assortment of rare and standard plants. Catalog free. GIRARD NURSERIES, Box 428, Geneva, OH 44041.

ORCHIDS

ORCHIDS! ORCHIDS! ORCHIDS! Bromeliads, Staghorn Ferns, Books, Peters Fertilizer, Potting Mixes, Supplies for indoor and greenhouse culture. REQUEST CATALOG. FOX ORCHIDS, INC., 6615 West Markham, Little Rock, AR 72205.

ORCHIDS, PHALAENOPSIS

Blooming Size, \$9.50 each. Three plants minimum, or Ten 3" pot seedlings \$39.95. Postpaid U.S.A., instructions. List \$1.00, deductible. GREEN VALLEY ORCHIDS, Rte. 1, Box 233S, Folsom, LA 70437.

PALMS

MINIATURE "LADY PALMS" have been popular indoor plants in the Orient for over 300 years. Elegant, long-lived, easy-care. Choose from many different green and variegated varieties. Rhaps Palm book 52 pages \$5.00. Catalog of palms and pottery \$1.00. RHAPIS GARDENS, PO Box 287-A, Gregory, TX 78359.

Interested in Palms? Join members throughout the world and receive the quarterly journal PRINCIPES. Rare seed bank and extensive bookstore. Membership is \$15 per year. THE INTERNATIONAL PALM SOCIETY, PO Box 368, Lawrence, KS 66044.

PERENNIALS

We offer a good selection of sturdy plants. Send \$1.00 for Plant List (refundable). CAMELOT NORTH, R2, Pequot Lakes, MN 56472.

Over 800 varieties of perennials. Send \$2.00 (refundable) for catalog. CROWNSVILLE NURSERY, 1241 Generals Highway, Crownsville, MD 21032.

Hostas, Perennials, Ground Covers. Send stamped self-addressed envelope for our price list. PICCADILLY FARM, 1971 Whippoorwill Rd., Bishop, CA 90621.

March 15-16. Perennial and Herb Display. Plants for Sale, Round Table Discussions for tips on planting, planning and plotting the perennial border. Sat. Mar. 15: 10 a.m.-12 noon, 1:30-3:30 p.m.; Sun. Mar. 16: 1:30-3:30 p.m. Advance Registration Required. Also Demonstration on Making Moss Baskets and Hanging Gardens. GREAT FALLS GREENHOUSES, 10106 Georgetown Pike, Great Falls, VA 22066. (703) 759-3493. Exit 13W off Interstate 495.

Unusual ROCK & SHADE Plants, Hosta, Hemerocallis, Semperivium, Shrubs, Iris & Native Americans. Perennial Seed. 24 Page Catalog. Send 44¢ in stamps. ROCKNOLL NURSERY 9210 U S 50, Dept. 33, Hillsboro, OH 45133.

Broad collection of perennials, including rock garden plants, hardy fuchsias, Helianthemums. Catalog \$1.50 (refundable with order). WRENWOOD, Rte. 4, PO Box 361, Berkeley Springs, WV 25411.

PEONIES, JAPANESE IRIS, DAYLILIES and HOSTA. Catalog—\$1.00 (refundable with first order.) CAPRICE FARM NURSERY, 15425 SW Pleasant Hill, Sherwood, OR 97140.

PLANTS—RARE BUT AFFORDABLE

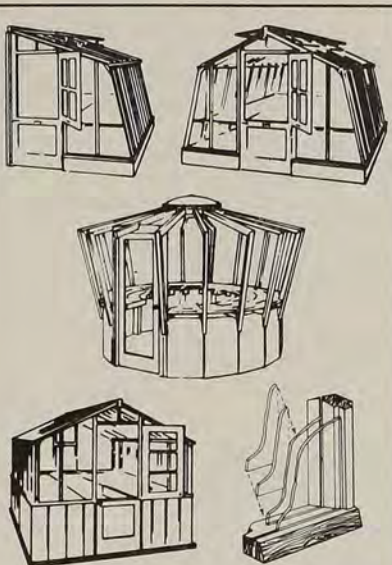
Extensive selection: * American Natives * Outstanding Ornamentals * Uncommon Conifers * Perennials * Hardest Eucalyptus * Wildlife Plants. * Affordable containerized starter-plants. Informative catalog—\$2.00. FORESTFARM, 990 Tetherah, Williams, OR 97544.

PLANTS—SCARCE AND UNUSUAL

Distinctive plants for your garden and landscape. Scarce, unusual and many old favorites. Well established in pots ready for you to grow on. FREE catalogue. APPLACHIAN GARDENS, Box 82, Waynesboro, PA 17268.

PLUMERIAS AND EXCITING TROPICALS

Rainbows of color, enchanting fragrances, over 50 Named Plumerias (Frangipani) cuttings and plants. Also rare bulbs, gingers, books and more! Catalog \$1.00. THE PLUMERIA PEOPLE, PO Box 820014, Houston, TX 77272-0014.



Quality Redwood Greenhouses

The finest you can buy

- Wide variety of designs & sizes, plus custom sizes to suit special needs.
- Sun room design in many sizes, too.
- Unique prefabrication - easy to erect.
- Low factory prices, freight prepaid.
- Options and many accessories.
- 30 years experience.

Send for free color catalog
Sturdi-built
Manufacturing Company

Dept. AH, 11304 SW Boones Ferry Rd., Portland, OR 97219

Unique double glazed
changeable thermal option

Bigger, healthier plants, fruits and vegetables with high nutrient, 100% organic Tropical Bat Guano

Fast release, 100% natural **Tropical Bat Guano** is the miracle plant food from the Caribbean. It is *the* most effective 100% organic plant food and soil conditioner in the world. **Tropical Bat Guano** provides: richer soil with high humus content (up to approx. 49%); more colorful flowers and plants; guaranteed rapid growth; more disease resistance; better flavor, appearance and nutritional content of vegetables, fruits and herbs; stronger roots, stems and flowers; larger yields; and, most importantly, longer plant life. You owe it to your plants, fruits and vegetables to enjoy the unique advantages of **Tropical Bat Guano**. Based on the excellent results secured by others, we are confident you will never be satisfied with anything else. At your favorite store or order by mail direct from us. We pay shipping. 8 oz. box, \$3⁵⁰; 5 lb. bag, \$11⁹⁹. Larger sizes available.

Organic Products, Inc.
3200 W. Belmont Avenue
Chicago, IL 60618 • 1/312/539-5000

ADVANCED PROPAGATION MIST SYSTEMS (Free brochure)

AQUAMONITOR

Dept. 10 — Box 327 — Huntington, N.Y. 11743
516-427-5664

HORTICULTURAL EXPLORATION OF

Europe



SWITZERLAND AND NORTHERN ITALY

(July 11-25)

Alpine gardens are the highlight of this exciting exploration. Visit Champex and Rochers de Naye near Montreux, both lovely private villas in the Italian lake region. Also scheduled are visits to botanic gardens and tours of the beautiful cities of Geneva, Interlaken and Zurich.

In addition, we are offering two other European Horticultural Explorations:

Spring England and Chelsea (May 8-23) and Fall England (September 10-25).

Enjoy three different European itineraries escorted by horticulturists. All include visits to private homes and gardens in addition to interesting cultural and historical sights. Since these trips usually are fully subscribed, we suggest early enrollment, particularly for those who wish single hotel rooms.

For your free brochures on these Horticultural Explorations led by horticulturists, please write to **Education Department, American Horticultural Society, Box 0105, Mt. Vernon, VA 22121. Or call collect: (513) 281-7000.**

AHS Travel Program

The American Horticultural Society is sponsoring an exciting program of horticultural explorations for the 1986 season. Plan to join fellow AHS members on one or more of these exciting garden-related tours.

Scotland, Unspoiled and Unknown: (May 25-June 8) Visit Scotland's finest gardens, including Crathes Castle Gardens in Edinburgh and breathtaking Inverewe, now owned by the National Trust of Scotland. Enjoy lovely scenery in Inverness and the historic sites and gardens of Aberdeenshire. A visit to the Royal Botanical Gardens in Edinburgh tops off this unique tour. Tour leader: Everitt Miller, former director of Longwood Gardens.

Island World of Britain and Ireland (June 5-20) Discover horticultural treasures at gardens, manor houses and castles in England, Wales, Ireland, Scotland and the Isles of Scilly and the Hebrides. Stops in Dublin, Inveraray, the Isle of Skye, Aberdeen, Edinburgh, Yorkshire and Dover are scheduled. Tour leader: Pamela Harper, horticultural photographer, writer and lecturer.

Gardens of Southeast Asia: (June 9-27) Tour the exotic gardens of Singapore, Kuala Lumpur, Malaysia, Indonesia and Bali. The Singapore Botanic Garden, Kuala Lumpur's Lake Gardens and the Eka Karya Flora Garden on Bali are just three of the beautiful gardens we will tour. Tour leader: Ernie Chew, former director of plantings for the San Diego Zoo.

YES! Please send me more information on the tours I have checked below:

- ☐ Scotland
☐ Island World of Britain and Ireland
☐ Gardens of Southeast Asia

Name _____

Address _____

City _____ State _____ Zip _____

MAIL TO: Harriet Sweeney, American Horticultural Society, PO Box 0105, Mount Vernon, VA 22121.

POSITION WANTED

Professional Property Maintenance, Special Talents include woody plant training, Bonsai, Landscape Renovation. B.S. in Horticulture/Landscape Design. Eight years horticultural experience. (516) 283-2774.

EXPERT PROPERTY CARE. Land, Flora, Structures, Administration capably handled. Permanent position sought with responsibilities. Will live on site. L.S., P.O. Box 761, Ojai, CA 93023.

PRESSED FLOWERS

NEW—BOOKLET on how to press flowers. 16 pages. Color. Lots of ideas. \$5.25 ppd. BJG ASSOCIATES, Dept. AH, Box 463, Edgmont, PA 19028.

RARE & UNUSUAL BULBS

Gladiolus, Dahlias, Cannas and Hard to find plants and bulbs. 300 Items. List \$1.00, refundable. GLADSIDE, 61 Main St., Northfield, MA 01360.

RHODODENDRONS

RHODODENDRONS for the woodland, landscape, and rock garden. Select from over 400 varieties. Free Listing. CARDINAL NURSERY, Rte. 1, Box 316M, State Road, NC 28676. (919) 874-2027.

RHODODENDRONS & AZALEAS

SPECIALIZING IN THE UNUSUAL. Dwarf Rhododendrons, Evergreen & Deciduous Azaleas, Dwarf Conifers, Companion Plants. Catalog \$1.00, refundable. THE CUMMINS GARDEN, 22 Roberts-ville Rd., Marlboro, NJ 07746. (201) 536-2591.

Largest selection of Rhododendrons and Azaleas on the East Coast with many new varieties. Mail order catalog \$2.00. ROSLYN NURSERY, Dept. AH, Box 69, Roslyn, NY 11576.

CHOICE AND HARD-TO-FIND Azaleas and Rhododendrons—hardy and large enough to be transplanted directly "From Our Gardens To Yours!"—Two Year Catalog Subscription: \$2.00 (deductible). CARLSON'S GARDENS, Box 305-AHR386, South Salem, NY 10590. (914) 763-5958.

ROCK GARDEN PLANTS

Rare Alpines, Wildflowers, Dwarf Conifers, Groundcovers, Colorful Rock Plants, Hardy Rhododendrons, Books. Catalog \$1. RICE CREEK GARDENS, 1315 66th Ave. NE, Minneapolis, MN 55432. (612) 574-1197.

SEDUM & SEMPERVIVUM

Cold and drought hardy, colorful, easy care. Sampler 12/\$10.45. Catalog 50¢, FREE with order. ALPINE GARDENS, 15920A S.W. Oberst, Sherwood, OR 97140.

SEDUMS

Tall, medium, carpeting sedums. Many unusual. Catalog \$1.50 (refundable with order). WRENWOOD, Rte. 4, PO Box 361, Berkeley Springs, WV 25411.

TREE PEONIES OF THE WORLD

Tips for the home gardeners. Many color photographs of the peonies we sell—both tree & herbaceous with our new introductions.

SMIRNOW'S SON

Oakwood Drive West, Rt. #1, Huntington, N.Y. 11743
(516) 421-0836
Please send \$2.00 for Catalog

Gardening Machete Knife

\$11. ea.
2 for \$20

The Mt. Rushmore Machete Knife is one of the most versatile tools you can own. Chop brush, transplant, split, cut kindling, even dig. Made in Brazil by the famous Tramontina Co. Very Sharp. TOUGH Hardwood handle for firm grip. With a heavy canvas belt sheath. Great for camping. INDISPENSABLE! A lifelong companion. 12" blade is the perfect size for home and farm. Satisfaction Guaranteed.

Mt. Rushmore Supply Co Box 233 Brooklyn NY 11222 Dept E

SEEDS

75th ANNIVERSARY EDITION of J.L. HUDSON'S famous catalog. WORLD'S LARGEST SELECTION of quality rare seeds from every continent. Thousands of hard-to-find exotics, flowers, bulbs, houseplants, hardy perennials, trees, ferns, alpines. Rare herbs, medicinal, edible plants. European and Oriental vegetables. Hundreds of exclusives. Reasonable prices. World's most informative catalog, packed with illustrations, cultural and historical information, \$1.00. WORLD SEED SERVICE, J.L. Hudson, Seedsman, Box 1058-AT, Redwood City, CA 94064.

THE WORLD'S LARGEST and most famous seed catalog. Over 200 pages, 4,000 varieties, 1,000 color pictures. A major book of reference. The Encyclopedia of how and what to grow from seed. The Bible of seed catalogs to gardeners in over 100 countries. Vegetables, pot plants, exotics, perennials, alpines, rockery, latest and best annuals, trees, shrubs, bulbs from seed with rare items unobtainable elsewhere. Write for FREE copy, allowing three weeks or enclose \$2.00 for First Class mail: THOMPSON & MORGAN, INC., Dept. AHC, PO Box 1308, Jackson, NJ 08527.

SEEDS, SUN and SHADE PLANTS

Hostas, other shade plants, sun-loving perennials, and seeds. Descriptive brochure, \$1.00. HOLIDAY SEEDS, 4276 Durham Circle, Stone Mountain, GA 30083.

SPRING IS COMING!

Agapanthus, Amaryllis, Tuberous Begonia, Callas, Galtonia, Hosta, Lupine. Request Brochure. HANCOCK'S, Rte. 4, Box 4788, Manchester, TN 37355.

TOPIARY

Planted topiary and frames. Discount to clubs. Write for brochure. TOPIARY, INC., 41 Bering, Tampa, FL 33606.

TREE PROBLEMS

For FREE DIRECTORY of American Society of Consulting Arborists, experts on care, appraisals, casualty losses and legal problems, write: ASCA, 700 Canterbury Road, Clearwater, FL 33546.

WILDFLOWERS

WILDFLOWERS! Naturalize areas around your home. Easy-to-grow SEEDS/PLANTS. COLOR CATALOG—\$1.00. PASSIFLORA, Box 393-AH, Germantown, NC 27019.

EASY TO GROW, PERENNIAL WILDFLOWERS for sun or shade and wet or dry conditions. Quality guaranteed. Surround your home with natural beauty from spring to frost. Descriptive catalog 50¢. NATURAL GARDENS, 113-AH Jasper Lane, Oak Ridge, TN 37830.

PAINTED MEADOWS WILDFLOWER MIXTURE for eastern United States, now available to private homeowners. One pound will color 2,500 sq. ft. at one penny/sq. ft. Send for FREE brochure. PAINTED MEADOWS SEED CO., Dept. AH, P.O. Box 1865, Kingston, PA 18704.

Beautiful Gardens are easy with wildflowers, hardy perennials. Husky Stock. Send two 22¢ stamps for catalog with cultural information. BOEHLKE'S WOODLAND GARDENS, W140 N10829 Country Aire, Dept. A, Germantown, WI 53022.

Select hardy wildflower seed from high altitude grown plants (8,800 feet and above) and hardy perennial seed. NEELS LUNCEFORD, Box 102, Dillon, CO 80435.

Vigorous, nursery-grown, perennial wildflower plants. Showy, year-round color possibilities for shade or sun. For 30-page descriptive catalogue, send 50¢ to: SUNLIGHT GARDENS, INC., Rte. 3, Box 286-AH, Loudon, TN 37774. (615) 986-6071.

AHS Best-Selling Books!

The American Horticultural Society is pleased to offer members its best-selling titles. Choose a new book for your own library, or select an old favorite to give a friend.

The Ortho Problem Solver. 2nd Ed. Michael D. Smith, Editor. 1,040 pages. Immensely valuable reference book on problems encountered by the home gardener. Hundreds of color photographs. Original edition sold out. Hardcover, \$179.95. AHS member price, \$160.15.

Perennials: How to Select, Grow & Enjoy. Pamela Harper and Frederick McGourty. 160 pages. Essential reference work packed with photographs of and information on 250 perennials in 135 different genera. Excellent, complete cultural information on plants pictured; plant lists and useful chapters on the basic principles of gardening with perennials. A must for any gardener. Softcover, \$9.95. AHS member price, \$7.95.

Encyclopaedia of Australian Plants Suitable for Cultivation. Volumes 1-3. W. Rodger Elliot and David L. Jones. First three volumes of a valuable reference work, particularly of use to gardeners in Southern and Western US. Volume 1 (336 pages) includes introduction, history of plants in cultivation and cultural information. Volume 2 (517 pages) and Volume 3 (516 pages) are the first two volumes of an encyclopedia of Australian plants (Volume 2, A-Ca; Volume 3, Ce-Er). Hardcover, \$159.90 for the set. AHS member price, \$135.90. Prices for individual volumes available on request.

Plants That Merit Attention—Volume 1: Trees. Janet Meakin Poor, Editor. 375 pages. Descriptions and illustrations of 150 species and cultivars of trees that are not common on a national basis, but which deserve to be grown more frequently. Hardcover, \$44.95. AHS member price, \$38.20.

Ball Red Book: Greenhouse Growing. 14th Ed. Vic Ball, Editor. 720 pages. Essential reference on all aspects of commercial production of horticultural crops. Over 425 pages devoted to the cultural requirements of specific crops. Hardcover, \$26.95. AHS member price, \$22.65.

Hortus Third: A Concise Dictionary of Plants Cultivated in the United States and Canada. The Liberty Hyde Bailey Hortorium. 1290 pages. Published in 1976, this remains the classic reference guide to cultivated plants

in this country and Canada. Includes botanical descriptions of hundreds of genera and thousands of species in cultivation. Some cultural notes, a common name index and information on botanical nomenclature also included. Hardcover, \$125.00. AHS member price, \$117.00.

Oaks of North America. Howard A. Miller & Samuel H. Lamb. 327 pages. Field guide to 75 species and varieties of oaks. Includes descriptions and illustrations, as well as range maps and winter twig and acorn characteristics for most species. Also includes a key to 112 Mexican species. Hardcover, \$15.95; softcover, \$9.95. AHS member price, \$14.35 (hardcover); \$8.95 (softcover).

Peppers: The Domesticated Capsicums. Jean Andrews. 186 pages. Fascinating book containing all you ever wanted to know about peppers. Beautiful color plates depict 32 cultivars, and the text includes complete historical, botanical and cultural information. Hardcover, \$35.00. AHS member price, \$28.00.

Exotica IV. Alfred Byrd Graf. 2,580 pages, 2-volume set. Revised edition of the comprehensive guide to plants from tropical and near-tropical areas. Includes 15,800 black-and-white and 405 color photographs. Concise descriptions of each plant. Hardcover, \$187.00. AHS member price, \$175.90.

Manual of Woody Landscape Plants. Michael A. Dirr. 826 pages. New edition of very useful book on trees, shrubs and woody vines for gardens. Includes many new species and cultivars not found in earlier editions. Hardcover, \$31.80; softcover, \$24.80. AHS member price, \$27.85 (hardcover); \$21.70 (softcover).

The American Woman's Garden. Rosemary Verey & Ellen Samuels, Editors. 191 pages. Collected essays by 30 American women about their gardens. Each essay includes the history of the individual's garden, in addition to thoughts about the garden and gardening in general. Gardens from all over the country are represented. Hardcover, \$34.00. AHS member price, \$30.60.

Growing and Propagating Wild Flowers. Harry R. Phillips. 331 pages. Useful, informative book covering the essentials of growing and propagating wildflowers. Covers the basics of wildflower cultivation, and contains detailed information on individual species of flowering plants and ferns. Hardcover, \$24.95; softcover, \$14.95. AHS member price \$21.20 (hardcover); \$12.70 (softcover).

Garden Design: History, Principles, Elements, Practice. William Lake Douglas. 224

pages. Beautifully illustrated overview of garden design, including a brief history, as well as an examination of specific elements of the landscape (landings, entries, vertical changes) and of design elements such as paving, water and light. An excellent planning tool. Hardcover, \$35.00. AHS member price, \$28.00.

Order Form

Prices reflect AHS member discount

- ☐ **The Ortho Problem Solver** \$160.15
CHEVR-03150
- ☐ **Perennials** \$7.95
HPBOO-00450
- ☐ **Encyclopaedia of Australian Plants**.... \$135.90
ISBS
- ☐ **Plants That Merit Attention—**
Volume 1 \$ 38.20
ISBS-00020
- ☐ **Ball Red Book** \$ 22.65
PRENT-02970
- ☐ **Hortus Third** \$117.00
MACMI-03560
- Oaks of North America**
- ☐ **Hardcover** \$ 14.35
NATUR-02650
- ☐ **Softcover** \$ 8.95
NATUR-02660
- ☐ **Peppers** \$ 28.00
UTEXA-04130
- ☐ **Exotica IV** \$175.90
ROEHR-03570
- Manual of Woody Landscape Plants**
- ☐ **Hardcover** \$ 27.85
STIPE-00130
- ☐ **Softcover** \$21.70
STIPE-00140
- ☐ **The American Women's Garden**..... \$ 30.60
LITTL-02180
- Growing and Propagating Wild Flowers**
- ☐ **Hardcover** \$ 21.20
UNORT-04100
- ☐ **Softcover** \$ 12.70
UNORT-04110
- ☐ **Garden Design** \$ 28.00
SIMON-01930

I would like to order _____ books.
Please add \$1.75 per book to cover postage and handling.

Enclosed is my check for \$_____.
Please make checks payable to the American Horticultural Society. Allow six weeks for delivery. Virginia residents, please add 4% sales tax.
Mail to: Jeanne Eggeman, American Horticultural Society, P.O. Box 0105-M10, Mount Vernon, VA 22121.

Ship to _____
Street _____
City _____
State _____ Zip _____

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.



**Spider plants,
Chlorophytum sp.
are highly efficient
in absorbing toxic
substances.**

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 heat-

ers; 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 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 sulphur 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.

American Horticulturist

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

2ND CLASS
POSTAGE
PAID AT
ALEXANDRIA, VA
AND AT ADDITIONAL
MAILING OFFICES