

American Horticulturist

A Publication of the American Horticultural Society

April 1990

\$2.50

**A Rhododendron Retreat
Lilacs: Old-Fashioned, Thoroughly Modern
Betty Miller's Fantastic Four Acres**

New AHS Book Catalog Enclosed!



SEATTLE

EXPLORE HORTICULTURE IN THE MAGNIFICENT NORTHWEST!

JUNE 19-22, 1990
45TH ANNUAL MEETING
SEATTLE, WASHINGTON

JOIN fellow gardeners in the "Emerald City"

LEARN about topics from "alpines" to "waste management"

VISIT private gardens featured in Rosemary Verey's "An American Woman's Garden"

ENJOY Bloedel Reserve, Washington Park Arboretum, Freeway Park, and the Rhododendron Species Foundation

HEAR Ann Lovejoy on perennials and Ken Gambrill on rhododendrons

EXPLORE on your own nearby nurseries, the locks and salmon ladders, Mt. St. Helens, Butchart Gardens, the San Juan Islands, and Vancouver

MEET AHS award winners, past and present

For further information, call
1-800-777-7931 or write



American Horticultural Society
7931 East Boulevard Drive
Alexandria, Virginia 22308

American Horticulturist

Volume 69, Number 4

April 1990

ARTICLES

Landscapes à la Melting Pot

by *Jerry Sedenko* 12
Climate isn't the only factor that gives a region a particular garden "look."

Escape to Whidbey Island

by *Ann Nugent* 16
Bill and Mary Stipe were rejuvenated when they bid their office jobs farewell to direct the Meerkerk Rhododendron Gardens.

Betty Miller's Soundside Medley

by *Richard A. Howard* 22
A member of the American Horticultural Society has amassed an astonishing array of plants on a little more than four acres.

The Emerald City and Nearby "Ah"s

by *Ted Marston* 28
Things to see, places to go a hop and a skip from Seattle.

Lilacs: The Essence of Yesterday, The Promise of Tomorrow

by *Terry Schwartz* 34
New propagation techniques are making this beloved, "old-fashioned" shrub more widely available.

DEPARTMENTS

Commentary	4
Book Reviews	7
Classifieds	40
Letters	45
Pronunciations	46



APRIL'S COVER

Photographed by Harold Greer

Seattle, where the American Horticultural Society will hold its Annual Meeting June 19-22, is known for its gorgeous rhododendrons. One of the most stunning purples is 'Colonel Coen', introduced in 1958 by Seattle hybridizer Endre Ostbo, who died that same year. It is only now becoming more widely available.

EDITOR: Kathleen Fisher. ASSISTANT EDITORS: Peggy Lytton, Mary Beth Wiesner. EDITORIAL ASSISTANT: Martha Palermo. DESIGN DIRECTOR: Ellen Cohen. MEMBERSHIP DIRECTOR: Kathleen B. Amberger. ADVERTISING: American Horticultural Society Advertising Department, 80 South Early Street, Alexandria, VA 22304, telephone (703) 823-6966. COLOR SEPARATIONS: Chroma-Graphics, Inc. EDITORIAL ADVISORY BOARD: Dr. Gerald S. Barad, Flemington, NJ; Dr. Harrison Flint, West Lafayette, IN; Peter Loewer, Cochection Center, NY; Dr. Elizabeth McClintock, San Francisco, CA; Frederick McGourty, Norfolk, CT; Janet M. Poor, Winnetka, IL; Maire Simington, Phoenix, AZ; Jane Steffey, Sykesville, MD; Dr. James E. Swasey, Newark, DE; Philip E. Chandler, Santa Monica, CA.

Replacement issues of AMERICAN HORTICULTURIST are available at a cost of \$2.50 per copy. The opinions expressed in the articles that appear in AMERICAN HORTICULTURIST are those of the authors and are not necessarily those of the Society. Botanical nomenclature in AMERICAN HORTICULTURIST is based on HORTUS THIRD. Manuscripts, art work, and photographs sent for possible publication will be returned if they are accompanied by a self-addressed, stamped envelope. We cannot guarantee the safe return of unsolicited material.

AMERICAN HORTICULTURIST, ISSN 0096-4417, is the official publication of the American Horticultural Society, 7931 East Boulevard Drive, Alexandria, Virginia 22308, (703) 768-5700, and is issued six times a year as a magazine and six times a year as a news edition. The American Horticultural Society is a nonprofit organization dedicated to excellence in horticulture. Membership in the Society includes a subscription to AMERICAN HORTICULTURIST. National membership dues are \$35; two years are \$60. Foreign dues are \$45. \$12 of dues are designated for AMERICAN HORTICULTURIST. Copyright © 1990 by the American Horticultural Society. Second-class postage paid at Alexandria, Virginia, and at additional mailing offices.

Postmaster: Please send Form 3579 to AMERICAN HORTICULTURIST, 7931 East Boulevard Drive, Alexandria, VA 22308.

American Horticultural Society

Officers 1989-1990

Mrs. Carolyn Marsh Lindsay
Rochester, New York
President

Mr. John H. Whitworth Jr.
New York, New York
First Vice President

Mrs. John M. Maury
Washington, D.C.
Second Vice President

Mr. Richard C. Angino
Harrisburg, Pennsylvania
Secretary

Mr. Richard J. Hutton
West Grove, Pennsylvania
Treasurer

Mr. Everett L. Miller
Kennett Square, Pennsylvania
Immediate Past President

Board of Directors

Mr. Richard C. Angino
Harrisburg, Pennsylvania

Mr. George Ball Jr.
West Chicago, Illinois

Dr. Sherran Blair
Columbus, Ohio

Mrs. Benjamin P. Bole Jr.
Cleveland, Ohio

Mr. J. Judson Brooks
Sewickley, Pennsylvania

Dr. Henry M. Cathey
Washington, D.C.

Mr. Russell B. Clark
Boston, Massachusetts

Mrs. Erastus Corning II
Albany, New York

Mrs. Ann Lyon Crammond
Atlanta, Georgia

Mr. Edward N. Dane
Boston, Massachusetts

Mrs. Beverley White Dunn
Birmingham, Alabama

Mr. K. Albert Ebinger
Boxford, Massachusetts

Mr. Richard J. Hutton
West Grove, Pennsylvania

Mr. Stephen F. Keating
Wayzata, Minnesota

Mr. David M. Lilly
St. Paul, Minnesota

Mrs. Carolyn Marsh Lindsay
Rochester, New York

Mrs. John M. Maury
Washington, D.C.

Mr. Elvin McDonald
Brooklyn, New York

Mr. Everett L. Miller
Kennett Square, Pennsylvania

Mrs. Jane Scarff
New Carlisle, Ohio

Mrs. Virginia Urschel
Montecito, California

Mr. Andre Viette
Fishersville, Virginia

Mrs. Helen Fulcher Walutes
Mount Vernon, Virginia

Mr. John H. Whitworth Jr.
New York, New York

Mrs. Jean Verity Woodhull
Dayton, Ohio

Executive Director

Mr. Frank L. Robinson

Commentary

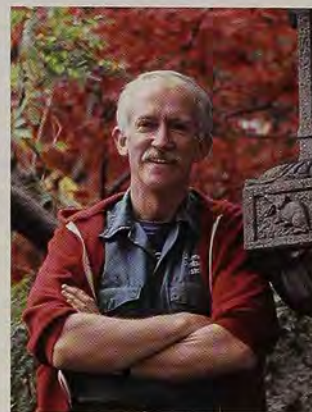
It's a sunny January Sunday morning in Houston. Church bells are ringing and I have completed what is to me an act of worship: upon arriving here yesterday, not even the headwind of jetlag could have stopped me from finding the nearest garden center and picking up pots of seasonal flowering plants for my hosts. A holiday deep freeze has left completely browned palms and cycads and the gardening community has its pruning tools drawn, awaiting the signal from local experts that what is actually dead can be trimmed without danger of spurring new growth too soon or removed without fear of discarding something that might have recovered. I saw the need for a spot of color to affirm that the path to spring has a way of leading first through winter. Three 'Tempo' gerberas in four-inch pots fit perfectly in a twelve-inch clay saucer, for an instant garden that can be watered efficiently. Another saucer garden was made of a half dozen ranunculus and polyanthus primroses in three-inch-square pots.

But I have another task this morning: to get you—yes, you!—to join all of us who will be attending this year's Annual Meeting of the American Horticultural Society June 19-22 in Seattle. You have all spring to get ready. Attending an Annual Meeting of AHS in Boston thirty-six years ago when I was a teenager literally set the course of my life as a gardening journalist. Last year's Annual Meeting in Minnesota's Twin Cities reminded me all over again of the sheer pleasure and inspiration of being with others whose lives reveal unconditional love and respect for the natural world. Fellow AHS Board Member Jean Woodhull said it in a few words: "You may not know it, but you live in a garden—the earth."

Attending this year's meeting will give you a fresh perspective. Our hosts, led by Betty Miller and Glen Youell, have lined up a program that never lets up. We tackle the broad issue first—the relevance of gardeners and gardening to that complicated array of interrelationships known as the environment—and then move on to more specialized aspects of landscaping and planting, through lectures by some of the region's finest in those fields, followed by deliciously long afternoons and evenings visiting Seattle's most fabled gardens and dining in the company of friends from near and far.

Those who attend the meeting will come from all over North America and beyond. We will be young and old and in-between, amateur and professional. There is no more diverse get-together scheduled this year in all of horticulture. Come join us. We are a family. If you are young, this is your opportunity to sit with wise and loving elders. If you are old, this is your opportunity to provide guidance to young gardeners. In-betweens, this is your opportunity for intensive exchange.

Here's a plan: 1) Read the feature articles in this magazine about Seattle and gardening in the Northwest. 2) Register for the Annual Meeting; a full program and registration form was in your March News Edition. 3) Arrange for travel and accommodations. 4) Show up in Seattle June 19. Together we will explore this paradise we call the earth.



Elvin McDonald
AHS Board of Directors



Adventure and rugged beauty await those exploring the natural gardens of Alaska this June.

AHS STUDY TOURS

A wonderful way to go!

April 21-May 6, 1990 **Belgium and Holland**

Begin in Brussels by visiting its botanical garden, arboretum, and the University Herb Garden. Other stops in Belgium include the Florales of Ghent, a flower festival that occurs every five years, and the Royal Botanical Garden in Bruges. In Holland, spend seven days cruising its canals with stops at Boskoop, the largest nursery in the Netherlands; the world's largest flower auction at Aalsmeer; and the magnificent Keukenhof Gardens. The tour will be led by Richard Hutton of Conard-Pyle/Star Roses.

Passages Unlimited

June 23-July 3, 1990 **Wilderness Gardens of Alaska**

Join the adventure aboard the 138-passenger *Yorktown Clipper* as she sails between Juneau and Ketchikan in search of natural wonders including wildlife as well as spruce forests, fields of lupines, and

giant ferns. See, up close, Tracy Arm, Glacier Bay, and Le Conte Bay as you cruise along the sheltered inside passage of Alaska. Visit quaint and historic Alaska towns such as Skagway, known as the "Garden City of Alaska." Then enjoy an optional post-cruise stay in Vancouver to enjoy Nitobe Japanese Gardens and VanDusen Botanical Gardens as well as the famed Butchart Gardens on Vancouver Island. Join AHS President Carolyn Lindsay and Bob Lindsay on board this Alaskan adventure scheduled just after the Annual Meeting in Seattle.

Leonard Haerter Travel Company

September 20-October 3, 1990 **Castles and Gardens of Scotland**

In the Western Highlands of Argyll, see Culzen Park Castle and Crarae Woodland Gardens. Spend two days at the Isle of Skye's Clan Donald Center, forty acres of woodland gardens and nature trails on the grounds of Armadale Castle. Visit the highland gardens at Inverewe before traveling on to Inverness

and Edinburgh. You'll be welcomed by the castles' owners and guided by Everitt Miller, former director of Longwood Gardens and past AHS president.

Passages Unlimited

November 10-17, 1990 **Gardens of the Colonial South**

Board the *Nantucket Clipper* in Florida and travel north to old Southern gardens on Sea Island, private gardens in Savannah and Hilton Head, and the significant and historic gardens of Charleston. While cruising the Intracoastal Waterway you'll have opportunities to view splendid marshlands teeming with birds and wildlife. Join Carolyn and Bob Lindsay on board this yacht cruise exploring the Colonial South. Mrs. Lindsay is the current AHS president.

Leonard Haerter Travel Company, 7922 Bonhomme Ave., St. Louis, MO 63105 (800) 942-6666 (in Missouri, 314-721-6200).

Passages Unlimited, 2 Oliver Street, Eighth Floor, Boston, MA 02109 (800) 232-2939.

SPECIAL DAYLILY OFFER

You may now purchase a random selection from our fields of daylily trials. In this selection, you will receive an enormous variation of colors, shapes, and markings (note illustration). The modern daylily hybrid is one of the easiest perennial plants to grow. Our daylily plants are particularly hardy, having survived winter temperatures of minus 20 degrees in our Indiana winter, but are able to thrive in all climates in the contiguous states. Daylilies require minimal maintenance and many of these plants will bloom the very first year you receive them. Wonderful for landscaping, their fibrous root systems are excellent for holding slopes, and will prevent erosion, once established. Daylilies thrive best in full sun, but will bloom and grow successfully in partial high shade. The more daylilies you order, the more varied in color will be the plants you receive from us. We send strong, sturdy daylily divisions and complete cultural instructions for growing daylilies with each order.

BROOKWOOD GARDENS, INC.

600 East Ninth Street
Michigan City, IN 46360

Please rush my daylily plant order as follows:

- 3DS—Three daylily plants \$13.50
- 6DS—Six daylily plants 24.95
- 15DS—Fifteen daylily plants 49.95
- 30DS—Thirty daylily plants 89.95
- 50DS—Fifty daylily plants 129.95
- 70DS—Seventy daylily plants 159.95
- 90DS—90 or more daylily plants,
each plant 2.00

Send me your color daylily catalog. Cost is \$2.45. A \$5.00 gift certificate will be sent to you FREE to apply to your first order from our color catalog.

Please add \$3.50 for shipping and handling for three plants. Then add 25¢ per plant for each additional plant.

Mr. Ms. _____

Mrs. Miss _____

_____ Apt. # _____

City _____ State _____ Zip _____

Payment enclosed

Bill on my credit card. Please indicate which credit card you wish to be billed on, your card number, and expiration date.

Visa Mastercard Exp. Date _____

Card #

FREE SUGAR COOKIE DAYLILY

(Catalog value \$20) with each order of 15 or more daylily plants from this collection, shipped to a single location.



SUGAR COOKIE (Apps) Beautiful cream hybrid daylily shown above. 21" tall, blooms early midseason. Blossoms present themselves on well-branched scapes. (Catalog value \$20)

BROOKWOOD GARDENS, INC.

DAYLILIES



COLOR DAYLILY CATALOG AVAILABLE AT \$2.45 WITH FREE \$5.00 GIFT CERTIFICATE (See coupon for details) Offer good until 8/31/90, or until our supply of available plants is exhausted.

TO EXPEDITE YOUR ORDER, JUST CALL US ON OUR TOLL-FREE NUMBER BELOW AND CHARGE YOUR DAYLILY ORDER TO VISA OR MASTERCARD!

CALL TOLL-FREE 1-800/628-0110

Book Reviews

The Besler Florilegium

Basilius Besler. Harry N. Abrams, New York. Republished 1989. 542 pages. Color illustrations. Publisher's price, hardcover: \$150. AHS member price: \$129.95.



Majestic and fit for a queen are apt adjectives for this wonderful volume of historic prints. Originally published in 1613, Besler's *Florilegium* was given as a gift to Empress Josephine in 1806, when it was a mere 200 years old. The empress was not disappointed.

Abrams is to be commended for republishing this fantastic volume of prints, which documents the entire botanical collection, in order of bloom, of the garden of the Bishop of Eichstätt. The garden was created and cared for by Besler, a botanist and apothecary. The book contains more than 1,000 drawings representing species from both the New and Old Worlds—an enchanting array of plants that will not only delight you visually but also amaze you with their familiarity almost 400 years later.

Besler's drawings were converted to copper engravings, and this publication is based on hand-colored copies of the original works. They are beautiful and intriguing, both for their precision and for the creative and interpretive ways they are displayed on the page.

It is difficult to conceive that these prints originated in the seventeenth century when

one notes how many of the flowers that Besler has so beautifully crafted are common to our gardens today: dwarf basil, double hollyhocks, parrot tulips, sunflowers, clematis, and Chinese lanterns. In many ways, gardening has not changed as much as we might think.

Adding to the informational value of the book is commentary on the species in each plate, incorporating Besler's own text as well as current nomenclature and information by the Musée National d'Histoire Naturelle in Paris. The book's reference value regarding these plants should not be minimized.

Folio-sized and weighing in at more than thirteen pounds, this volume is not one you will read casually on the train, but it is a visual joy. Should it not fit in your book collection or on your coffee table, buy a copy for your local library or botanical garden, where it can be kept in the open stacks for people to browse through and marvel at this great heritage of botanical art.

—Frank Robinson

Frank Robinson is executive director of the American Horticultural Society.



The Iris—The Rainbow Flower

Photographs by Josh Westrich. Text by Ben Hager. Thames and Hudson, New York, 1989. 143 pages with 146 illustrations, 73 in color. Publisher's price, hardcover: \$40.00. AHS member price: \$34.00.

The Iris—The Rainbow Flower is sure to become a most treasured possession of irisarians, flower-garden enthusiasts, photographers, and even collectors of "coffee table" books. This book has something for

GARDENING

by Hazel Weihe

Drought Insurance

Droughts...severe winds...not enough rainfall...what's a plant to do?

Our pets found spots in the shade during last summer's heat. Plants can't lie in the shade unless they're planted there and they can't go in for a cool shower unless you give it to them with a hose. But you can help them get through a long hot summer by using an anti-transpirant called Wilt-Pruf.

Think of the plant as inhaling and exhaling. When a plant inhales, it takes water in through its roots. When it exhales, it gives off moisture through its leaves. There are tiny pores in the leaves that give off this moisture. If the supply of water to the roots is too low, leaves become limp because they continue to emit moisture. In the process, leaves curl, become brown and desiccated. This is because they're giving off more moisture than the plant is absorbing.

What an anti-transpirant does is hold a balance between water taken in and moisture given off. Wilt-Pruf can sometimes make the difference between saving a growing tree or shrub and losing it.

An anti-transpirant is especially helpful when transplanting a small tree or shrub. No matter how careful a person is, the plant's root system is disturbed and some roots are lost. Wilt-Pruf has helped my transplants retain additional moisture after transplanting. Transplants need to be watered heavily to get them over the shock of having been dug. My plants have indicated by their behavior (they haven't died!) that Wilt-Pruf has been a definite help to them in surviving their trauma.

Wilt-Pruf is a clear organic liquid that in no way inhibits growth or harms a plant. Available at nurseries, garden centers and hardware stores.

Hazel Weihe of Somers, New York, is an award-winning writer whose garden column is syndicated by The North County News.

WILT-PRUF
ANTI-TRANSPIRANT

P.O. Box 469, Essex, CT 06426-0469
203/767-7033



**EVERYTHING FOR THE
WELL-FURNISHED GARDEN**

*Including Furniture, Statuary,
Fountains and Ornaments*

Delightfully imaginative ornamental sculpture, fountains, birdbaths, furniture and more. Our wide selection of exquisitely crafted accessories complements any interior or exterior garden setting. Write now for catalogue AH4 of our complete line, a must for those seeking charm for indoor and outdoor settings. \$4.00.

Shown:

(On Top) **Star and Dolphin Furniture**

Handwelded, sand cast aluminum.

Table can be made to your requirements.

(Bottom Left) **Dolphin Fountain**

16½" high, 20" long. Base: 6" high, 12" long.

Many other sizes available.

(Bottom Right) **Mushroom Light**

16" high, 12" diameter. Made of lead with

aluminum shade.



46-24 28th Street, Box AH4, Long Island City, NY 11101
(718) 937-7632 • Fax: (718) 937-9858



**Picturesque
6-Foot
Fan Trellis
Only \$12.95**

This beautifully crafted Fan Trellis is made of solid, long-lasting pressure treated lumber and is easy to assemble. Order one today and add a touch of elegance to your garden.

Only \$12.95 plus \$3.00 for shipping and handling each.

Order two or more and we'll pay the shipping and handling.

Satisfaction Guaranteed!

Bolton Wood Craft • P.O. Box 294 • Bolton, MA 01740

Yes! Send me _____ Fan Trellis(es) at \$12.95 plus \$3.00 shipping and handling each (Massachusetts Residents add 5% Sales Tax). Please allow two weeks for delivery.

Enclosed is my check or money order for: \$ _____

Name _____

Street Address _____ City _____ State _____ Zip _____

Visa Mastercard Signature _____

Card Number _____ Exp. date _____

For quick-ship orders by credit card call 508-779-6122

**Plant the Very Best . . .
Plant Andre Viette
Quality Perennials!**

The Famous Andre Viette Farm and Nursery has one of the largest collections in the East. We ship nationally.

**Rare and Unusual
Perennials**

Specializing in
Flowering
Perennials
Rock Garden
Perennials
Woodland
Plants
Daylilies

*Come visit our
gardens!
Andre*

**Andre Viette
FARM & NURSERY**

**Quality Perennials
Accept No Substitute**

703-943-2315

Dept. AH, Rt. 1, Box 16
Fishersville, VA 22939

Write for our catalog - \$2.00

each of them.

In all probability, the book was written with irisarians in mind, as the author begins with a brief history of the flower, the first record of which was made nearly 3,500 years ago as a hieroglyph carved in stone during the reign of Egyptian Thotmes III. This enjoyable book clearly explains the development processes of the diploid and tetraploid irises. It describes four centuries of breeding progress as well as the pioneer hybridizers who played such important roles in the development of today's modern tall-bearded irises. In addition, Hager traces the tetraploid, pink, and bi-color revolutions.

According to Hager, "No other flowering plant can present us with such magnificence of display as the iris yet exhibit such unqualified appeal in the individual flower. The architecture of the iris flower in all its forms is unique; every part is beautifully structured, but is there for a purpose." The parts are described in detail as to their functions. Though the book dwells on the bearded irises, brief descriptions are given of the beardless irises as well.

The outstanding feature of this book is found in the middle section: the seventy-three spectacularly colored photographs of the single iris bloom, capturing every view possible. The lifelike works of art, most measuring nine and half inches by eleven and a half inches and printed on glossy stock, cover half of the pages in this book. Photographer Josh Westrich's work is breathtakingly beautiful and photographers will find many creative suggestions for flower photography; even the undersides are beautiful. "Sometimes it is rewarding to peek into places not intended for general viewing," says Hager. The series of stunning photographs begins with a bud of the iris flower ready to open, "a beautiful but provocative mystery." The last photograph of the series portrays this same bud having "flaunted its beauty for three days and disappeared." Everyone knows there is little, if any, beauty in a spent bloom, yet the viewer will find beauty even here.

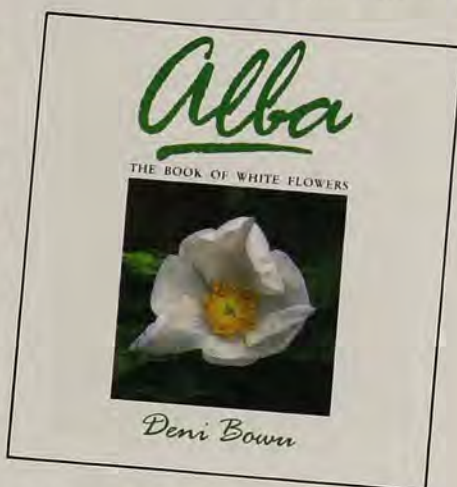
In the third section, "Notes on Iris," are the author's comments beneath black and white duplicates of each photograph. Included in the brief descriptions are bits of information for the flower gardener. For example, Hager suggests that darker-toned irises are valuable to the arrangement of any garden. He warns that the reddish maroon coloring will not blend well with pinks or blues. Dark violets are better with the latter group; dark browns give an extra

glow to pinks and yellows.

Many of the irises photographed were introduced in the 1970s, which makes them "old" by the standards of the modern irisarian. But after reading the captions that explain why each particular photograph was chosen and what the photographer was searching for, even this small fault can be overlooked. The expertise with which these two gentlemen handle their respective subjects is proven on the pages of this exceptional book.

—Audrey Machulak

Audrey Machulak is a hybridizer of standard dwarf irises and twenty-two-year member of the American Iris Society who lives in Muskego, Wisconsin.



Alba: The Book of White Flowers

Deni Bown. Timber Press, Portland, Oregon, 1989. 160 pages. Color photographs. Publisher's price, \$32.95. AHS member price: \$28.00

Deni Bown, author of this white delight, is an Englishwoman unknown to most American readers, who should rectify their ignorance as soon as possible. In 1988, she produced two other books: *Aroids: Plants of the Arum Family*, already an important standard; and *Fine Herbs*, a plantsman's herbal. Besides finishing books at an astonishing rate, she is a gardener, botanist, and horticulturist, has grown orchids and herbs for nurseries, won prizes for her photographs, and bless us, she can write.

Throughout the first 100 pages in which she discusses "botanic," "historic," and "mystic" alba, Bown tells of artists from different countries and times who have used the universal love or terror of things white to symbolize their deepest feelings: Dante, Wordsworth, Ruskin, Melville; the white shark in "Jaws," the heron, the rat, the rose. White is psychologically more, not less, than a color, Bown says, and in most cultures has particular significance: in-



Buy where the professionals buy!

This year, use the Van Engelen Wholesale Catalog of Bulbs to add the highest quality of flowers to next spring's garden.

Now you, too, can buy where professional gardeners shop. Send for our free catalog featuring Tulips, Daffodils, Narcissi, Crocus, Hyacinths, Iris, Muscari and many other bulbs. You'll also find Indoor Paperwhites and Amaryllis.

SPECIAL OFFER: Mammoth Darwin Hybrid Tulips—as large as 6" across! Top size, multi-colored and 100% guaranteed to flower. 100 Bulbs delivered anywhere in the continental U.S.

... Only \$19.95

- Please send me a Free Catalog.
- Please send me Mammoth Darwin Hybrids/100.

Payment enclosed \$ _____

Charge to:

Master Card Visa

Exp. Date _____

Act. No. _____

Name _____

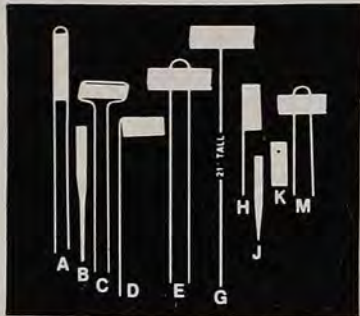
Address _____

City _____

State _____ Zip _____

Van Engelen Inc.

Stillbrook Farm
Maple Street, 307-X, Litchfield, CT 06759



THE PERMANENT METAL GARDEN LABEL

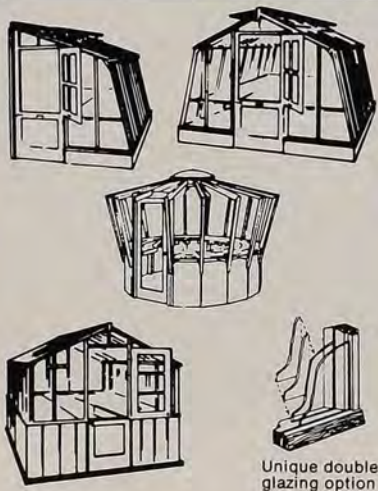
A—Hairpin Style Markers	30 for \$ 9.30
B—Plant or Shrub Labels	100 for \$ 6.75
C—Cap Style Markers	30 for \$ 9.70
D—Swinging Style Markers	30 for \$ 7.95
E—Rose Markers	30 for \$ 8.85
F—Tall Display Markers	30 for \$12.15
G—Tall Single Staff Markers	30 for \$ 9.30
H—Flag Style Markers	30 for \$ 7.20
J—Small Plant Labels	100 for \$ 6.55
K—Tie-on Labels	100 for \$ 9.65
M—Miniature Markers	30 for \$ 7.45

**Special Quantity Prices Available
Prices Include Prepaid Postage**

INTRODUCTORY OFFER
1 Each: A, B, C, D, E, H, J, K
With Waterproof Crayon, Only \$3.25

PAW PAW EVERLAST LABEL COMPANY

P.O. Box 93-AH
Paw Paw, Michigan 49079-0093



Unique double glazing option

Quality Redwood Greenhouses

- Wide variety of designs and sizes plus custom sizes to fit special needs.
- Garden-Sun Room design in many sizes, too.
- Unique prefabrication, easy to erect.
- Greenhouse accessories and equipment.
- Factory-direct prices, freight prepaid.
- 35 years experience.

Send for free color catalog.

Sturdi-built
Greenhouse Manufacturing Co.
Dept. AH, 11304 SW Boones Ferry Rd., Portland, OR 97219
(503) 244-4100



From America's
Foremost
Peony
Grower...
Our 1990
Full Color
84 Page
Catalog

Daylily
'CHICAGO
ARNIE'S
CHOICE'



Estate Peonies 'VIVID ROSE'

**Fancy Hosta • Tree Peonies
Estate Peonies • Siberian Iris
Daylilies • Achillea • Asters
Ornamental Grasses • Ferns
...Plus Many More Exclusives**

Hosta
ventricosa
'AUREO
MARGINATA'



Send \$4.00 for your 1990 Full Color Catalog
(fully refundable with first order)



Route 5, Box 197 AH Penny Road
South Barrington, Illinois 60010-9555
Call Toll Free 1-800-553-3715

nocence, chastity, purity, but also death and ghostly encounters. Many occasions commemorated with white flowers are among our most moving and emotional because of their relation to our higher values, or they are our most unpopular because they stir painful recollections.

This book was written for "those perceptive souls . . . who find [white flowers] irresistible," do not find them wanting or anemic, and who enjoy the shades and textures of flowers and foliage. I expect that all of the flowers you know and care to grow are to be had in white: bulbs, ground covers, vines, trees, shrubs, annuals, perennials, and low borders. Check them out in Bown's fifty-page plant list. Do you know the white-flowered common sage? *Hosta* 'Royal Standard' and *Bergenia* 'Bresingham White'? Night-scented nicotiana, stock, sweet rocket, and Bown's favorite Easter lily, *Lilium longiflorum*? It is enough for me that I can have plump mounds of candytuft, that clematis with saucerlike blooms will climb my walls, that the annual white cosmos will dance through the summer on their slender stems, and that the pure white cleome is bound to forget it is an annual and reward us by returning for several seasons—if we don't care where! Roses, phlox, irises, impatiens, gardenias, zinnias, orchids, snake root—all names that send you to the seed catalogs and garden centers, your imagination ignited by a pure *alba* flame.

In chapters on white flowers in the garden and for the conservatory are helpful basics for choosing your garden framework, key plants that you can fill into your existing site over several seasons.

In the appendix you will find: twenty-nine words for "white" and "whitish"; twenty white gardens to visit in England and Wales; and more than 150 white flowers and their meaning in Victorian florigraphy, a secret language beloved of those sentimental folk, unbeatable for charm and comedic possibilities.

The photos and drawings are quite fine.

Spare a moment for the graceful acknowledgment on page 160. "... the love of plants and gardening began in early childhood . . . especially with my grandfather who showed me tigridias and zinnias, lilies and parrot tulips, and left me wide-eyed at their beauty." How fortunate we are for that warm and magical relationship that enriched Bown's future studies and the writings of her books.

—Faith Jackson

Faith Jackson, former book editor of the Miami Herald, is a Master Gardener who writes frequently about garden matters.

Special Offer for Members

THE AUTHORITATIVE GUIDE TO SELECTING AND GROWING THE MOST BEAUTIFUL, DURABLE, AND CARE-FREE GARDEN PLANTS IN NORTH AMERICA

THE NATIONAL ARBORETUM BOOK OF OUTSTANDING GARDEN PLANTS



Featuring a unique directory of more than 1700 proven performers, with instant access to the best plants for every region and landscaping need.

JACQUELINE HERITEAU with DR. H. MARC CATHEY AND THE STAFF AND CONSULTANTS OF THE U.S. NATIONAL ARBORETUM

Through a special arrangement with the publisher, Simon and Schuster, AHS will be able to offer its members *The National Arboretum Book of Outstanding Garden Plants* at the special price of \$23.95, forty percent off the retail price.

The book, written by Jacqueline Heriteau with Dr. H. Marc Cathey, director of the arboretum, lists 1,700 garden plants—flowers, herbs, trees, shrubs, aquatics, ground covers, vines, and ornamental grasses—selected by the arboretum staff for their qualities as “proven performers.” This means they were chosen with an eye not only to beauty, but also to their ability to flourish with a minimum of water and chemicals. The book is organized as

a “plant finder,” enabling readers to find plants best suited to particular landscaping needs and conditions in their gardens.

The 320 pages contain 450 color photos. The end papers of the book show a color version of the new U.S. Department of Agriculture Plant Hardiness Map, the first revision of that map in more than twenty years. The book also launches a new Nursery Crops Coding System, developed by the American Association of Nurserymen. The code is a series of six to eight letters intended to assure consumers that the plants they buy are exactly what they are supposed to be.

Among those who have endorsed the book is Frank Robinson, executive director of the American Horticultural Society, who calls it “the best plant finder for North American gardens.” Elvin McDonald, special projects director for the Brooklyn Botanic Garden and an AHS board member, says: “More than any other single volume, this outstanding work will influence what we grow into the twenty-first century. The state-of-the-art wisdom of top scientists, horticulturists, and passionate gardeners is organized and presented here so as to afford instant access to the informed guidance we all seek when making important plant choices for our gardens.” To order, call (800) 777-7931 or use the coupon below.

GARDEN ACCENTS



As direct importers we offer over 100 personally selected, handcrafted items from foreign countries: powerful bronze and marble animals, Chinese relics, porcelain fishbowls, planters, pottery, stone lanterns and garden stools. **Call Now! Our catalog is FREE.**

east/west GARDENS 花東 園西

Call: 415/321-2571
Write: 1259 El Camino Real
Suite 196, Dept. 51
Menlo Park, CA 94025

... a treasury of cold-hardy hard-to-find perennials for your pleasure.....



IRISES

Over 100 to choose from.

Busse Gardens

“The Minnesota Perennial People”

Rt. 2 - Box 238-J
Cokato, MN 55321
(612) 286-2654

Catalog \$2.00 - Deduct on first order

Book Order Form

Please send me the following books at the special AHS member prices.

- The National Arboretum Book of Outstanding Gardening Plants ...\$23.95
SIM 027
- The Besler Florilegium\$129.95
ABR 674
- The Iris
The Rainbow Flower\$34.00
RAN 001
- Alba: The Book of White Flowers\$28.00
TIM 001

I would like to order _____ books.

Please add \$2.50 per book for postage and handling. Virginia residents, also add 4½% sales tax. Please allow six weeks for delivery.

Enclosed is my check for \$ _____.

VISA MasterCard Exp. Date _____

Acct. # _____

Signature _____

Ship to: _____

Street: _____

City: _____

State: _____ Zip: _____

MAIL TO: AHS Books, 7931 East Boulevard Drive, Alexandria, VA 22308.

LANDSCAPES À LA MELTING POT

*Seattle's immigrants, as much as its climate,
have shaped its gardening vernacular.*

by Jerry Sedenko

Any gardening style is derived from a synthesis of the local geology, climate, and, equally important, the sociological characteristics of the people doing the gardening. Although just 100 years old as a state, Washington is already developing a gardening style of its own.

What are some of the factors that give Seattle its "look"?

To many, it comes as a surprise to learn that the eastern half of the state is desert, with a climate much like Nevada. All the clichés about incessant rain pertain to western Washington, and even they are somewhat exaggerated. In truth, rainfall varies from 140 inches in the rain forests of the Olympic Peninsula to a mere seventeen inches in the northeastern sector of that same peninsula—only fifty miles apart as the crow flies. Western Washington is an area of pronounced microclimates, which, for the most part, are a result of the local geology.

Upheaval of the earth's crust, volcanic activity, and glaciation have produced the Puget Trough, in which Puget Sound is found. Moist Pacific air dumps rain and snow to the west, in the Olympic Mountains. Low elevations along the sound, between the Olympics and the Cascade Mountains to the east, receive thirty to forty inches of rain, nearly all of it occurring between October and April. Dry summers are the norm, and despite the surrounding water, humidity is comfortably low. This all combines to create a modified Mediterranean climate zone.

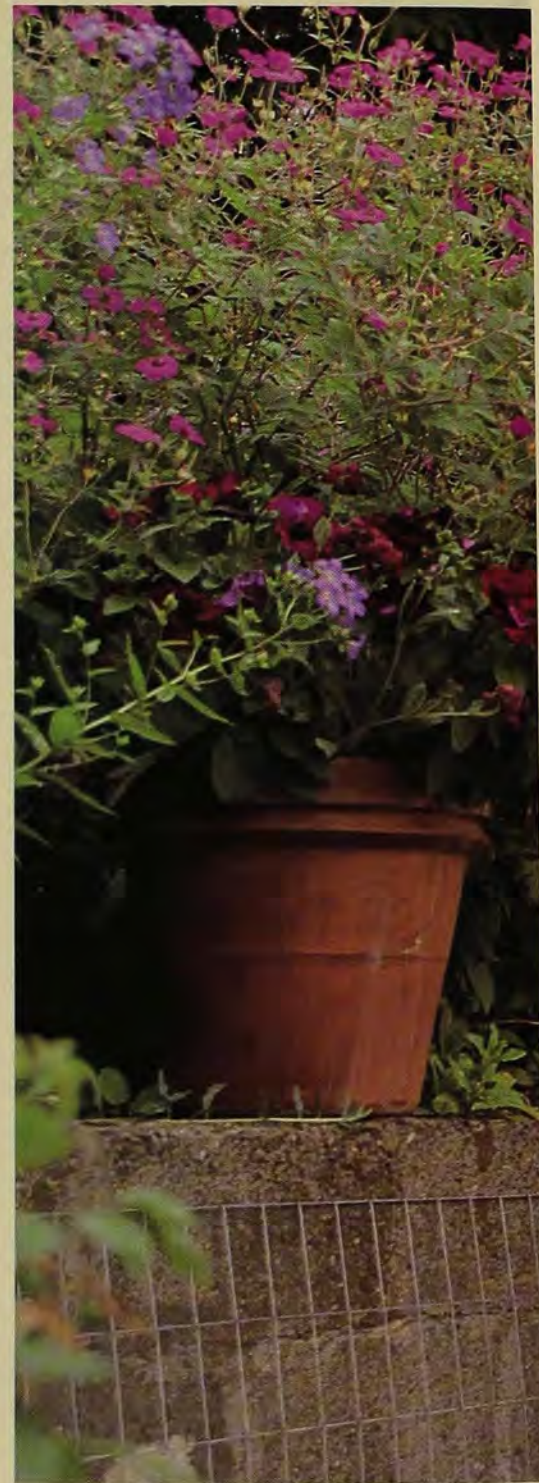
The deep waters of Puget Sound mitigate temperature extremes that might result from such a northerly latitude. Sound-front gardens in Washington are both cooler in summer and significantly warmer in winter than gardens nearer the mountains.

While constant rain may be a myth, it is not unusual to have cloud cover for a week or more at a time, at any season. But the winter blanket of clouds means that frost, while not rare, is by no means the norm. Usually, there is only one snowfall per year, serving mostly as an excuse to call a halt to the normal course of events and play in the snow. A deep, lasting freeze, say, into the teens, is a rarity.

With no tornadoes, hurricanes, hail, or thunderstorms, and with the typical pattern of gentle winter rain and mild sunny summers, it has been said that Seattle has no "weather," merely "climate." Comparisons have been made with England. In fact, just across the border in British Columbia, gardens have a decidedly English look. Since the climate is virtually identical, why the difference in gardening styles?

The reason is demographics. The state's first settlers were New Englanders who came in the mid-1800s to cut the tall firs for building San Francisco and other West Coast cities. Next came Scandinavians, to cut trees and also to fish. Some were direct from the Old Country, but many arrived via the forests of Minnesota. To this day, there remains an affinity between Seattle and Minneapolis.

The first Japanese arrived in the late 1880s. Before long, they constituted a significant part of the work force; many be-



came gardeners and nursery owners.

The New Englanders, as well as the Scandinavians, were a very democratic lot, intent on demonstrating to the rest of the world that they had nothing to hide, but at the same time not wanting to get too familiar with anyone. Consequently, the Seattle norm is a detached house on a sixty-foot lot with a twenty-five-foot setback. From the house to the street stretches an expanse of lawn, exposed for all the world to see. No shrubs or fences significantly block the democracy of it all; to do so would elicit suspicion. In this case, it's not



good fences, but good lawns, that make good neighbors. True, there are bosky neighborhoods, and most suburbs have woody, larger lots. But in the older neighborhoods, back yards are small, front yards too exposed, and side yards negligible; precious little remains for a real garden.

The impact of the Japanese on the city's gardens has been felt since they began arriving 100 years ago, albeit not always in the most positive fashion. The Japanese tradition of controlling the growth of plants has unfortunately led to collections—one could hardly call them gardens—of un-

naturally pruned and contorted plants without any cohesive design. There are whole neighborhoods where these knick-knack-shelf gardens are the rule.

Recently, two years of drought led many people to rethink the appropriateness of the greensward. Little by little, less demanding ground covers and shrubs are replacing bluegrass and fescue. And here and there, a front yard is being reclaimed as garden space by the erection of a fence or the planting of a hedge, particularly if there is all-important southern exposure. At this latitude, every ray of sun is cherished.

Botanical artist Kevin Nicolay has lived in London and New York, and now takes advantage of the temperate Seattle climate to grow a vast collection of cultivars, some not grown anywhere else in the United States.

However, despite the fact that the local climate is so conducive to creative gardening with an incredible range of plants, until recently only the hardiest were grown. But then, what did New England lumberjacks know beyond lilacs and peonies? The incipient Scandinavians and Minnesotans



suffered from the same lack of a horticultural vocabulary. True, the Japanese instilled a fondness for conifers and flowering cherries, but their major contribution was the use of the genus *Rhododendron*, for which a mania exists today.

The trend seems to be for immigrant Midwesterners to go to excess with “rhodies” and azaleas. A broad-leaved evergreen that blooms so profusely and grows so willingly is irresistible. There are some wonderful plants, grown to perfection by extremely knowledgeable growers. But there are also far too many “rhododendron ghettos,” with perhaps a flowering cherry or ‘Thundercloud’ plum thrown in, that offer a hodgepodge of color for six weeks in spring and little except coarse foliage for the balance of the year.

Another idiom compatible with rhodomania is that of “natural,” native plantings. Often, sizeable second-growth conifers are left on a building site out of a genuine preservationist desire. Then, after the bulldozers depart, the native vegetation regrows. Consisting largely of huckleberry (*Vaccinium ovatum*), salal (*Gaultheria shallon*), and sword fern (*Polystichum munitum*), this undergrowth is often left to its own devices. It is valuable in that it does grow in the dense, dry, year-round shade of conifers.

This was the scene until five or six years ago. Suddenly, everyone is mad for gar-

dening. Formerly humdrum garden centers are expanding their offerings, spring and summer garden shows are major cultural events, and Seattle is finally fulfilling its potential as a hub for creative gardening.

How did this all come about? Largely through the current vogue for English gardening, but also as a result of recent immigration patterns. The new migrants are from California, and just as former settlers brought along plants familiar to them, so too have the Californians. They are taking advantage of the Mediterranean bent of the climate to try many plants from other summer-dry mild areas, such as South Africa, Chile, the Mediterranean proper, and the Antipodes, in some cases with great success. At last, the long overdue expansion of the area’s horticultural vocabulary is occurring.

And lucky Seattle, with its “English” climate, can also take easy advantage of that country’s rich garden heritage. All those books that have been inundating the booksellers not only deal with a virtually identical situation, but they’re even conveniently in the same language!

There is, of course, a danger of too much aping or bastardization of any strong, newly fashionable style; witness the “Japanesque” trend. It is hoped that, with all this enthusiasm and the influence of two of the world’s richest gardening traditions already in evidence, Seattle gardeners will fully define a unique local style by further incorporating elements of “native gardening.” These things take time, of course, but there is far more awareness than ever before of what the potential is.

Already, some of the most capable gardeners in North America live in the area, and many more are finding their way here to take advantage of the possibilities afforded by the climate and to be around other keen gardeners. Remarkable specialty nurseries are springing up to satisfy the demand for new and different plants. Special-interest plant societies abound, and there is phenomenal loyalty to such beautiful public gardens as Washington Park Arboretum and Lake Washington Boulevard, laid out in 1903 by the famed Olmsted brothers.

Northwesterners have long had an inferiority complex, about the rain, about being from the “other” Washington. But no more. Recently, “recognized garden authorities” from the East Coast and abroad have visited the area and been highly impressed by what they saw. The rest of the world seems to be casting the Pacific Northwest in the role of a Cinderella gardening spot. With all the recent developments, it seems justified.

Jerry Sedenko is a garden designer and tree-lance writer.

Above: These severely pruned “Japanesque” shrubs are an old tradition that is giving way to a more natural look. Right: Fences, seen as undemocratic by Washington State’s early settlers, are an anomaly among Seattle landscapes. Opposite: The author’s “border-pink” garden section on Bainbridge Island outside Seattle.





Story by Ann Nugent ■ Photos by Timothy Harris ■

ESCAPE

TO WHIDBEY ISLAND

Many of us with nine-to-five jobs have daydreamed about chucking it all and getting paid to garden full-time. Bill and Mary Stipe did it.

It's mid-January, and a little snow covers the trail along which Bill and Mary Stipe, resident managers of the Meerkerk Rhododendron Gardens, have brought their visitor. They pause to direct attention to a tree-sized rhododendron with large, dark pink flowers. Not only is it breaking all the rules by blooming at this time of year, but it blooms all winter long. They call it 'Starfish'. But don't look for it in any catalog. "It's never officially been named," Bill says, "never been registered."

The Stipes began their new job just two years ago, and the unusual plants continue to delight them, as does the setting. The gardens are on Whidbey Island, about an hour and a half, counting the ferry ride, north of Seattle. The grounds face Puget Sound, Camano Island, and the Cascades. From the house as you look north, you can see Mt. Baker.

Meerkerk's life as a public garden and the Stipes' new life as its caretakers began simultaneously.

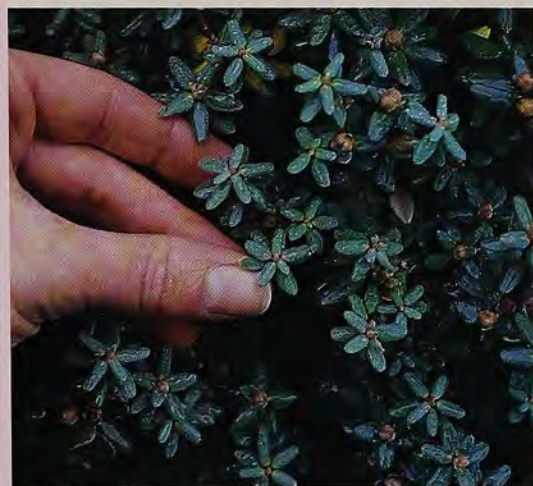
Both Bill and Mary had worked at Boeing Aircraft Company for about thirty years. As manager of the procurement division, Bill was in charge of obtaining electronic equipment for Boeing's commercial airlines. "The pressure was tremendous," he says. "If our suppliers were behind schedule, I'd often have to find out why and go to wherever the plant was—Japan, Germany, Italy, Puerto Rico."

Mary was a manager in Boeing's computer services department, often working the evening shifts so she could be home

during the day with their four children. "I had on-line computers in all the plants—Bellevue, Kent, Everett, Renton, Seattle, Auburn," she says, "so I often had to visit two plants a night to take care of operating problems. And commuting often took two hours a day. You get very tense in traffic like that." The couple saw little of each other; their office locations, shifts, and vacations were rarely the same.

Bill grew up on a farm in eastern Washington, where he enjoyed growing flowers, planting trees, and experimenting with different varieties of wheat. But he was interested in electronics, too, so he came to Seattle in 1956 to work at Boeing. Seattle's rhododendrons, which don't grow in the arid eastern half of the state, immediately caught his fancy. "Every time we'd go somewhere, we'd buy a new one." Then he began hybridizing and propagating his own. Eventually, he had more than a thousand on their three-quarter-acre property in Burien. He was giving them away to friends. "We just had to find a bigger place to put all of our rhododendrons."

The original owners of these gardens, Max and Ann Meerkerk, were also transplants to Seattle who discovered rhododendrons late in life. They began developing the garden in 1963. Max died in 1969, but Ann continued gardening until she learned that she had terminal cancer. She arranged for board members of the Seattle Rhododendron Society to take charge of the estate after her death on the condition that they agreed to open it to the public. Because she would provide funds



Above: The tiny leaves of Rhododendron impeditum contrast sharply with those of R. campanulatum. Opposite: Bill and Mary Stipe and Bear.



to cover maintenance, the society accepted her offer. Now they needed someone to look after the garden.

"We always thought we would retire early," Bill says. They considered owning a Christmas tree farm or a commercial nursery. But when the Meerkerk opportunity came up, they decided it would be just as good as owning their own garden. Since Meerkerk is nonprofit, it didn't have a lot of money for salaries, but both Stipes had just turned 55 and were therefore eligible for early retirement. Otherwise, Bill observes, "we couldn't live on what they can afford to pay us to work here."

So they traded their office attire for blue jeans and their desks for this fifty-three acres. Most of it is forested with cedars, hemlocks, and Douglas firs, and carpeted with native ferns, wild huckleberry, and fallen logs covered with moss. An underground spring feeds two ponds. The land extends to a bluff, 150 feet high, that overlooks Puget Sound. The cultivated gardens cover about eleven acres.

Bill and Mary like being outdoors and physically active, inhaling the incense of the forest air. "We work twice as hard as we used to," says Bill, "but we enjoy it more. I've lost twenty pounds." He is lean and trim, and when he climbs a steep slope, only their German shepherd, Bear, can keep up with him. Adds Mary: "We're both healthier living out here. I've stopped having stress headaches."

They also like the fact that they can work together, although Mary is modest about her role as apprentice gardener, calling herself "just an extra set of hands." In spite of all the bad jokes about retirement leading to too much togetherness, Bill is sorry they didn't start working together sooner. "We have fewer problems than we did before," he says. Adds Mary: "Before, it was two careers going in two directions. Now we're both working toward the same goal and it's much easier. So the stresses are so much less."

When the Stipes took on the Meerkerk Gardens—more wilderness than gardens—the property had been tended only occasionally by volunteers for nearly a decade. One of the first things the new managers did was to clear out some overgrown laurels that the Meerkerks had planted years earlier. The plants had grown fifteen feet high and about as wide, and were crowding the native growth and throwing too much shade. Hidden among



them they found some long-forgotten trees: one, a grand fir, is a native; a banksia pine and a sequoia from the Sierras were planted by the Meerkerks.

"Ann Meerkerk didn't hesitate to buy plants from around the world," Bill says. He points to a large rhododendron growing in a clearing not far off the path. "That's called 'Loderi King George'. It came through the Panama Canal from England. She ordered large ones because rhododendrons often take twenty years to bloom and she

The unregistered 'Starfish' in bud.

didn't want to wait. Money wasn't a problem, so she could afford to do that." But Ann Meerkerk wasn't above hunting for bargains from local sources, Mary adds, noting that she bought many of her plants at the annual University of Washington Arboretum sales.

The Meerkerks moved to Seattle in the '60s, and it didn't take long before gardening was their chief passion. When they

joined the Seattle Rhododendron Society and got to know the local hybridizers, they became interested in cross-pollination and started creating their own hybrids. "We have a large bed of their hybrids, which we call the Meerkerk collection," Bill says. "But they never got around to registering them, so they still don't have names." The varieties of rhododendrons seem endless: more than 1,800 different species and hybrids. Some are arranged neatly in beds, while others are scattered through the forest. They range from ground covers and small shrubs with leaves and flowers as tiny as peas (*Rhododendron impeditum*, *R. intricatum*, *R. glomerulatum*) to tree-sized giants with paddle-sized leaves and flowers as regal as king's crowns (*R. falconeri*, *R. rex*, *R. basilicum*).

The Meerkerk garden is now the region's chief hybrid test site. The test gardens lie in a series of large beds near the entrance. Experimenters, including well-known local hybridizers Dr. Ned Brockenbrough, Lloyd and Edna Newcomb, and Elsie Watson, bring their yearling hybrid rhododendrons here to see how they will survive under various conditions. They submit three of the same kind, and if the hybrid is still thriving after five years, it gets named and registered. The Stipes then sell two to foundation members and keep one for the gardens.

Bill Stipe brought many of his own hybrids—which like 'Starfish' and others of the Meerkerks have not yet been registered—with him when he moved, and he enjoys continuing to experiment. "Just this morning I was cross-pollinating the 'Loderi King George' with the *R. yakushimanum*, hoping to develop a hybrid that has the King's fragrant blooms but is less leggy and more compact." Together, the Stipe and Meerkerk collections probably number about 500 hybrids, but the evaluation process takes time, Bill explains, and he will be very particular about what he chooses to register.

"The test gardens have a lot of interest for people," he continues, "particularly those in the area who are building new homes. They'd like to know what plants grow well here. We take them through the garden to show them. For instance, we tell them you'd better not get the type that froze here last year," (*R. edgeworthii*).

Although the Meerkerk Gardens are best known so far among rhododendron specialists, the test sites and display beds are

The Rhododendron Species Foundation



R. atlanticum is one of more than 500 species to be seen at the Rhododendron Species Foundation.

The Meerkerk Gardens are not included in tours scheduled for the American Horticultural Society meeting in June, but the group will be going to another major public garden specializing in Washington's state flower: the twenty-four-acre Rhododendron Species Foundation grounds at Federal Way.

While Meerkerk is the Northwest's test site for new hybrid rhododendrons, the foundation is the only known botanical garden devoted to rhododendron species. It grows 503 of the 850 known species and 2,200 of their different forms. "Our purpose," says species foundation director Richard Piacentini, "is to collect and preserve the rhododendron species at an off-site location, because many of them in certain areas of the world are endangered."

One of the foundation's primary activities is propagating the various species in its collection in order to grow back-up plants at various stages of maturity. It also sells propagations as part of its aim of preservation

through dissemination and as a way to raise money to support its operations. Its catalog, available to members, is one of the largest of its kind in the world.

The directors of both gardens believe it's important to keep in contact with each other. "We attend each other's meetings to trade information," says Meerkerk resident manager Bill Stipe. "We hope to help each other in other ways, too: trading plants, for instance. The climate here on Whidbey Island is a bit milder. A few of the more tender rhododendron species might grow better here than at Federal Way."

Both directors value networking with like-minded botanical organizations elsewhere. Piacentini, for instance, maintains close ties with the Center for Plant Conservation in Boston, a major supporter of off-site plant conservation. For more information on the Rhododendron Species Foundation, write P.O. Box 3798, Federal Way, Washington 98063-3771, or call (206) 661-9477. —A.N.

only a small part of the extensive grounds. The Stipes want to reach a wider public: gardeners of all kinds, flower lovers, hikers, nature buffs. Five miles of trails wind through the property; among the frequent visitors are bird-watchers and mushroom-gatherers.

There are other types of plants worth seeing, and the Stipes enjoy showing them off when they lead tours: an aromatic "cedar" from Tennessee that's actually a *Juniperus virginiana*; ginkgos, with their unvarying fan-shaped leaves; the Asian maples, *Acer davidii*, whose leaves are round as an elm's. But see the winged seeds? That's how you can tell it's a maple, Bill explains.

Among the salal and wild huckleberry,



Above: *R. macronulatum*. Right: 'Starfish' in bloom.

between some Western red cedars and Douglas firs, he points to a Chinese dogwood (*Cornus kousa* var. *chinensis*). It spreads wide as a parasol, its pale green foliage sprinkled with translucent white blossoms that glow like stars from May through July. Although both the Meerkerks and the Stipes let the trees grow naturally, this one looks like it's been pruned by an oriental artist. Bill is pleased that this dogwood has adapted so well on the

Sources for Rhododendrons

Cummins Garden, 22 Robertsville Road, Marlboro, NJ 07746, catalog \$2.

Greer Gardens, 1280 Goodpasture Island Road, Eugene, OR 97401, catalog \$2.

Mellinger's Inc., 2310 W. South Range Road, North Lima, OH 44452, catalog free.

Roslyn Nursery, 211 Burrs Lane, Dix Hills, NY 11746, catalog \$2.



West Coast, since the native species has been succumbing to dogwood anthracnose here for five years.

Bill leads his tours with boyish enthusiasm, stopping at every turn in the trail to point out another exotic species, such as the *Cunninghamia lanceolata*. "Here's a Chinese fir or pine. It's neither a fir or a pine. It's got needles like long lances, but notice how they're softer and fleshier than pine needles." And then pointing to a large tree with red bark: "There's a dawn redwood called *Metasequoia*, but it's not a true sequoia. They thought it was extinct,

but about forty years ago, someone found a specimen growing in a monastery over in China." He takes you through a corridor of shoulder-high rhododendrons (*R. triflorum*) that look like azaleas, explaining that while they may look alike, azaleas can't be crossed with rhododendrons.

Near the pond, a visitor who says she's been on one of his tours introduces a companion visiting from France. Bill says he recently received thirty rhododendrons from French hybridizer Jean Lennon. "I haven't planted them out yet, but I'm going to make a special section called 'Rhodies from

France'. Next time you come, maybe we'll have them blooming."

These aren't the only donated shrubs they need to plant this season. More rhododendrons grown by Port Ludlow, Washington, nurseryman Warren Berg from seed collected in China—*R. bhutanense*, *R. kesangiae*, *R. flinckii*—are on their way, and he and Mary must get a bed ready. But first they have to find a site. They examine the forested acres, gauging the sun's path throughout the seasons, and finally decide on a spot that skirts the east side of the ponds. It's forested now, and dense with undergrowth.

Rhododendrons need fifty percent light in the Puget Sound region, Bill notes. Because the area is second-growth forest the alders and maples can be cut, but he will remove them one at a time. "Loggers have offered to remove them for us free," he relates, "but we turned them down. We want to keep as much of the forest intact as possible."

The Stipes are helped in their labors by members of local chapters of the Rhododendron Society—Seattle, Whidbey Island, and Komo Kulshan, whose members come from an area north from Everett to the Canadian border—but those living on the mainland can't always make it to the monthly work parties. One of the volunteers' favorite chores is rating the 600 plants in the hybrid test garden on their performance and appearance, Bill says, adding, "The more people we can get to rate the plants, the better."

Funding is a bigger problem. When individuals make a substantial contribution, a bed is created in their name. When Harold and Rosalie Hall donated \$5,000, the Stipes used it to plant a bed of low-growing Himalayan rhododendrons found only on the higher slopes. The pattern of sturdy, tiny leafed shrubs—such as *R. impeditum*, *R. fastigiatum*, *R. lapponicum*—gives the effect of a multi-textured quilt. *R. lepidostylum* is covered with small yellow flowers; *R. kiusianum* has tendrils and spreads like a ground cover.

There is a drawback to this new life of theirs on Whidbey Island. They don't see old friends and family as often as they used to. But when their children, three of whom still live in the Seattle area, do come with their own offspring, or when the grandchildren come by themselves, they stay longer and enjoy themselves more than when the Stipes lived in the city. "They

can hike, go down to the water, walk through the woods, or just plain relax," observes Mary.

The Stipes not only got to leave behind the hectic city life and freeway commute, but they feel they're making a contribution to the future. "There aren't many spots like this left around," says Bill, "and it's nice that we're preserving it for future generations."

Visitors frequently ask if the Stipes can sell plants, and Bill has some regrets that, with the exception of a few test hybrids sold to foundation members as a fundraising activity, they simply don't have enough staff to handle sales. He feels that there are too few nurseries with the type

of unusual, quality stock grown here or sound advice for customers. Such nurseries are usually small, he observes; they get run out of business by the lower prices of discount houses, which often sell plants that have been raised in a greenhouse, so that they die when planted outdoors.

"The best stock is field-grown stock, but it takes more effort to do it that way," he says. "I guess if we had more help, we could open a retail nursery. But I'm not sure I want to do that. It gets you back into the hassle of pressures, schedules, and budgets."

Ann Nugent is a free-lance writer who lives in Bellingham, Washington.



*Bill Stipe admires the gigantic leaves of *R. fictolacteum*, which grows to forty-five feet.*

Getting to Meerkerk

The Meerkerk Rhododendron Gardens are located on Whidbey Island about an hour and a half north of Seattle. Take I-5 north from Seattle to Mukilteo, where the ferry departs for Clinton at the south end of Whidbey Island. From Clinton take highway 525 north for about fifteen miles. Turn east at Resort Road, drive one-fourth mile, and turn left into the lane marked Meerkerk Rhododendron Gardens.

The gardens are open spring and summer, from 9 a.m. to 4 p.m. Wednesday through Sunday. Admission is free. Group tours are welcome and can be arranged by contacting Meerkerk Rhododendron Gardens, P.O. Box 154, Greenbank, WA 98253, (206) 321-6682.

Betty Miller's Soundside Medley

This four-acre garden up the hill from Puget Sound is so crammed with unusual plants that even the experts are hard-pressed to name them all.

By Richard A. Howard

Betty Miller's garden is a challenge. It was a challenge to its owner to grow so many woody ornamental plants on only four acres. It is a challenge to the visitor to find them all, and a challenge to horticulturists to identify the exotics she has assembled: several thousand taxa representing probably the most diverse collection in a private garden of comparable area.

As visitors approach the garden on a narrow thoroughfare, they are surrounded by the dominant vegetation of the Pacific Northwest. Tall stately redwoods, Douglas firs, broadleaf maples, western hemlocks, and cedars tower above the roadway. The colorful trunks of the madrone (*Arbutus menziesii*) and the plumes of rock spirea (*Holodiscus discolor*) limit the view of Puget Sound to glimpses.

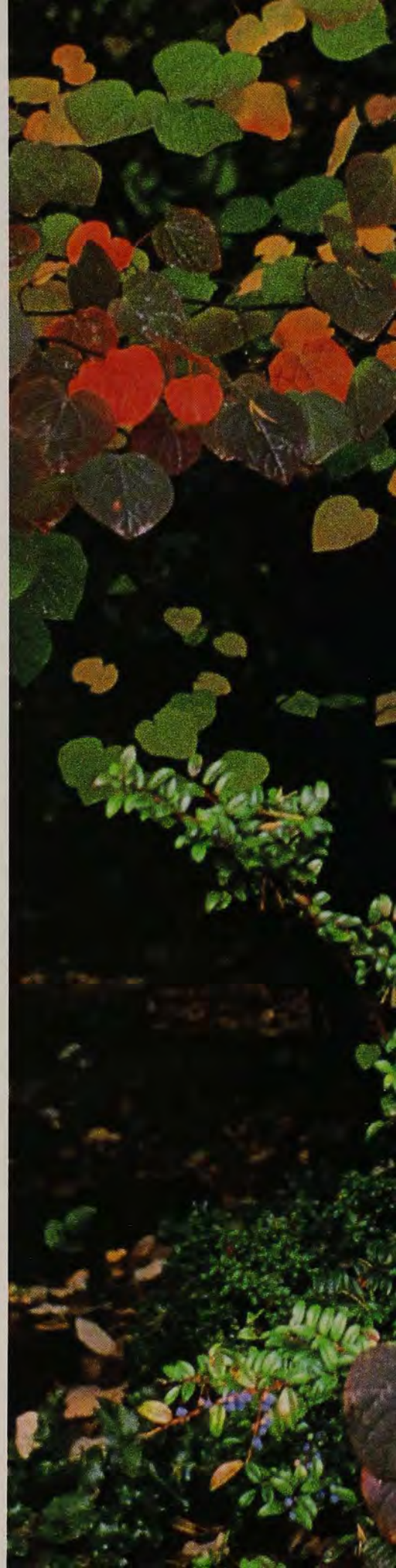
The property descends in stages over 200 feet, with the English country stone-and-cedar house on an upper level. The entrance drive descends to a small parking area defined with naturally aged granite rocks that have become covered with lichens and mosses. Here are evergreens of varying shapes and textures and a variety of maples that contrast in foliage and, in the fall, display brilliant color. Toward the house a narrow bed, the rockery, hints at the wealth of plant material throughout the property. The only manicured areas are a strict narrow strip of grass in front of foundation plantings on the east side of

the house and one slightly larger in a sweeping free form to its west. All rooms open to the western terraces that overlook this small lawn to Puget Sound, with its ever-changing traffic and the never-changing profile of the Olympic Mountains. At no time is one particularly aware of the house. It seems to be snuggled in among trees and shrubs.

Betty Miller and her late husband, Pendleton Miller, acquired the property in 1949. She was a sportsperson; a garden was something new. She filled expanses of prepared beds with white petunias, and after two seasons of picking rain-splashed spent flowers, abandoned the petunias forever. Two mature 'Gumpo' azaleas were proudly planted to flank the front door. In flower they stood out like a pair of squatting white ducks.

A German-educated landscape designer, John W. Fischer, had seen the horticultural potential of this property's mix of open space and woods, damp areas and dry. At this point, he advised that one's eye should pass pleasingly over a continuity of harmonious plantings. Suddenly, Miller could

*Right: In the orchard area, the Japanese native shrub *Disanthus cercidifolius* is among plants providing brilliant fall color. Inset: Ken Gambrill, who will become curator of Betty Miller's garden; Steve Balint, who succeeded John Fischer as Miller's landscape designer; and Miller.*





envision creating an overall sculpture with plants as the medium. She began seeking plants with interesting form, bark, foliage, different shades of green, and flowers. At first she obtained unusual plants from friends and local nurseries; then she began to search catalogs, and later, to help sponsor expeditions to obtain materials she liked. Eventually, Miller would help found the Rare Plant Group of the Garden Club of America, a small group of women dedicated to sharing the best of plant material.

These new plants usually lacked cultural instructions. It was a challenge to find the right place and conditions for them; each one was a learning experience. To better protect them, she decided to underplant in the wooded area and develop circuitous paths through it. Today, few plants in her garden are isolated enough to be photographed in outline. Certainly they do not grow that way in nature, and Miller concluded that plants want company, or perhaps competition, because the right associates obviously thrive and usually seem to do better when slightly stressed. She has found that she can intermingle plants, enjoy some surprises, and learn from her mistakes.

Thus, unusual combinations abound: a loquat (*Eriobotrya japonica*) near the base of a Chinese fir (*Cunninghamia lanceolata*) shows intriguing contrasts of leaf and branch; the young bronze foliage of a golden-rain tree (*Koelreuteria paniculata*) serves as a foil to a blue-flowered clematis (*Clematis macropetala*); in the fall, the brilliant gold of a bittersweet (*Celastrus scandens*) scrambles through the dark green of a Douglas fir.

A group must pass single file through most of Miller's garden. It is not the place for a crowd. Some of the paths are defined by discs of cedar wrapped with a treated fish net to improve traction. This requires the visitor to walk head down for safe footing and to avoid careless damage to plants, and—guess what?—the visitor sees more!

The wooded area is truly a layered garden. Native trees form the uppermost layers. Below are such ornamentals as *Euptelea polyandra*, *Enkianthus chinensis*, *Symplocos coreana*, *Decaisnea fargesii*, *Tripetaleia paniculata*, *Rhododendron macabeaeanum*, *R. desquamatum* 'Finch', and *R. fictolacteum*. Under this layer is a seasonal spring fantasy of intermingled species of *Trillium*, *Roscoea*, *Arisaema*, and



***Gaultheria adenothrix* berries and blooms. It is one of several representatives of the species planted on and around old fir logs in the wooded area.**

Paeonia. Among the small shrubs, *Tsusio-phyllum tanakae*, *Rhododendron crinigerum*, and *R. amagianum* are favorites.

Years ago, old growth logs of fir were scattered throughout this wooded area. On and around these natural "sculptures," one finds *Vaccinium ovalifolium*, species of *Gaultheria* and *Cassiope*, as well as five species of *Shortia*, which now encompasses the *Schizocodon* species from Asia. The latter are placed in filtered shade, for they won't tolerate the intensity of the noonday sun. The eastern bunchberry (*Cornus canadensis*) does well, but both

species of trailing arbutus (*Epigaea repens* and *E. asiatica*) are hidden under branches of evergreen shrubs such as the native salal (*Gaultheria shallon*). Sheets of twinflower (*Linnaea borealis*) highlight the forest floor. Also to be found here are the Asiatic goldthread (*Coptis quinquefolia*), a type of Jack-in-the-pulpit (*Arisaema nikoense*), and meadow rue (*Thalictrum kiusianum*), near the American box huckleberry (*Gaylussacia brachycera*) and wild ginger (*Asarum shuttleworthii*). All remind the visitor of the similarity of plants of eastern Asia and eastern North America, often with twin species or genera debatably identical or taxonomically different.

As the wooded area opens to the west there is a collection of hemlock taxa intermingled with the wheel tree (*Trocho-*

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
Armchair Gardening			
PAJ601	American Garden Writing Bonnie Marranta (\$23.95)	22.75	19.95
PAJ002	A Gardener's Bed Book Richardson Wright (\$20.95)	19.90	17.80
PAJ003	The Gardener's Day Book Richardson Wright (\$23.95)	22.75	19.95
RAN017	Gardens of the Heart Chivers (\$19.95)	18.95	16.95
RAN018	Gertrude Jekyll on Gardening Penelope Hobhouse (\$8.95) <i>paper</i>	8.50	7.50
RAN019	Green Thoughts Perenyi (\$8.95) <i>paper</i>	8.50	7.50
CPR002	How Does Your Garden Grow? Mary (\$8.50)	7.95	6.95
CRO517	In an Irish Garden Sybil Connolly & Helen Dillon (\$40.00)	37.95	33.95
HOU005	An Island Garden Celia Thaxter (\$19.95)	18.95	16.95
RAN020	Latest Country Gardens Plumptre (\$27.00)	25.65	22.95
RAN021	The Making of an English Country Garden Kellaway (\$17.95)	16.95	15.25
POM672	Monet's Passion Elizabeth Murray (\$24.95)	23.70	21.25

The National Arboretum Book of Outstanding Garden Plants

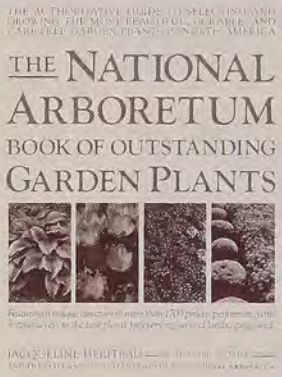
Jacqueline Heriteau

"Highly recommended...the best Plant Finder book for North American gardeners."
—Frank Robinson
Executive Director, AHS

Directory of over 1,700 proven performers; 450 color photos, 106 plant selector lists; AAN Nursery Crops Coding System.

retail: \$39.95
AHS members pay only: \$23.97
order code: SIM027

Save 40% (members-only special)



HAR006	My Weeds: A Gardener's Botany Sara B. Stein (\$8.95) <i>paper</i>	8.50	7.50
STA659	A Proper Garden Elisabeth Sheldon (\$19.95)	18.95	16.95
CRO540	Private Gardens of England Penelope Hobhouse (\$40.00)	37.95	33.95
GAR041	Sleeping with a Sunflower Louise Riotte (\$7.95) <i>paper</i>	7.50	6.75

Classic Titles

ABR674	The Bessler Florilegium: Plants of the Four Seasons Gerard G. Aymonin (\$150.00)	142.50	127.50
OXF001	The Gardener's Labyrinth Thomas Hill (\$29.95)	28.45	25.45
ABR001	Nature Illustrated: Flowers/Plants/Trees 1550-1900 Bernard McTigue (\$39.95)	37.95	33.95

Collections & Guide Books

Simon & Schuster Guides:

SIM679	Bulbs Rosella Rossi (\$11.95) <i>paper</i>	11.35	9.95
SIM680	Bulbs Rosella Rossi (\$21.95)	20.85	18.50
SIM041	Cacti and Succulents Stanley Schuler (\$21.95)	20.85	18.50
SIM042	Cacti and Succulents Stanley Schuler (\$10.95) <i>paper</i>	10.40	9.30
SIM043	Garden Flowers Stanley Schuler (\$19.95)	18.95	16.95
SIM044	Garden Flowers Stanley Schuler (\$12.95) <i>paper</i>	12.30	10.95
SIM045	Stanley Schuler (\$12.95) <i>paper</i>	12.30	10.95
SIM046	Houseplants Stanley Schuler (\$22.95)	21.80	19.50
SIM669	Orchids Alberto Fanfani (\$13.95) <i>paper</i>	13.25	11.85
SIM670	Orchids Alberto Fanfani (\$23.95)	22.75	19.95
SIM047	Plants and Flowers Monadori (\$13.95) <i>paper</i>	13.25	11.85

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
SIM048	Roses Stelvio Coggiatti (\$11.95) <i>paper</i>	11.35	9.95
SIM049	Roses Stelvio Coggiatti (\$22.95)	21.80	19.50
SIM050	Shrubs & Vines Costanza Lunardi (\$11.95) <i>paper</i>	11.35	9.95
SIM051	Shrubs & Vines Costanza Lunardi (\$21.95)	20.85	18.50
SIM052	Trees Stanley Schuler (\$11.95) <i>paper</i>	11.35	9.95

Gardening by Design Series:

DAV043	Container Gardening Toogood (\$11.95) <i>paper</i>	11.35	9.95
DAV044	Herbs Courtier (\$11.95) <i>paper</i>	11.35	9.95
DAV045	Town Gardens Page (\$11.95) <i>paper</i>	11.35	9.95
DAV046	Window Boxes Baxendale (\$11.95) <i>paper</i>	11.35	9.95

Getting the Best Series:

DAV052	Chalky Gardens McHoy (\$19.95)	18.95	16.95
DAV053	Clay Gardens Carr (\$19.95)	18.95	16.95
DAV054	Exposed Gardens Colborn (\$19.95)	18.95	16.95
DAV055	Lime-Free Gardens Toogood (\$19.95)	18.95	16.95

Hillier Books:

DAV063	Tree Planting & Management Rushforth (\$29.95)	28.45	25.45
DAV064	Colour Dictionary of Trees & Shrubs Hillier Nurseries (\$29.95)	28.45	25.45
DAV065	Garden Planning & Planting Rushforth, et al. (\$24.95)	23.70	20.95
DAV066	Manual of Trees & Shrubs Hillier Nurseries (\$29.95)	28.45	25.45

Plantsman's Guides:

DAV078	Chrysanthemums Woolman (\$19.95)	18.95	16.95
DAV079	Dahlias Damp (\$19.95)	18.95	16.95
DAV080	Fuchsias Boulemier (\$19.95)	18.95	16.95
DAV081	Lilies Jefferson-Brown (\$19.95)	18.95	16.95
DAV082	Primulas Swindells (\$19.95)	18.95	16.95
DAV083	Rhododendrons Cox (\$19.95)	18.95	16.95

Classic Garden Plant Series:

GLO001	Auriculas Brenda Hyatt (\$19.95)	18.95	16.95
GLO002	Begonias Judith & Simon Hopkinson (\$19.95)	18.95	16.95
GLO003	Magnolias James Gardiner (\$19.95)	18.95	16.95
GLO004	Dahlias Philip Damp (\$18.95)	17.95	15.95
GLO005	Climbing Roses Christopher Warner (\$18.95)	17.95	15.95
GLO006	Rhododendrons John Street (\$18.95)	17.95	15.95
GLO007	Fuchsias Jill Clark (\$18.95)	17.95	15.95
GLO008	Azaleas Christopher Fairweather (\$18.95)	17.95	15.95
GLO009	Modern Garden Roses Peter Harkness (\$18.95)	17.95	15.95
GLO010	Old-Fashioned Roses Amanda Beales (\$19.95)	18.95	16.95

Classic English Gardening:

HAR017	Borders Penelope Hobhouse (\$15.95)	14.95	13.50
HAR018	Planting in Patterns Patrick Taylor (\$15.95)	14.95	13.50

Taylor's Guides to Gardening

Indispensable and beautiful full color encyclopedias. Each one brings you over 400 color photographs, step-by-step planting instructions, plant selection charts, color keys, and much more!

retail: \$16.95 special discount: \$9.95



HOU008	Garden Design	HOU498	Roses
HOU009	Perennials	HOU534	Houseplants
HOU010	Trees	HOU535	Ground Covers
HOU496	Annuals	HOU537	Shrubs
HOU497	Bulbs	HOU536	Vegetables & Herbs
HOU011	Water Saving Gardening		

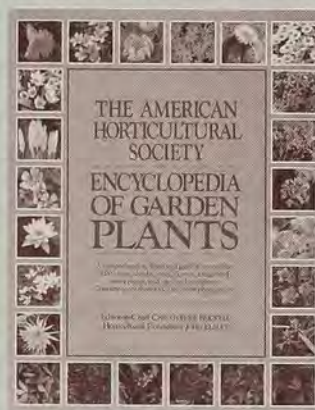
Save over 40%

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
The Houseplant Library:			
HAR664	Plants for Shady Corners Kenneth Beckett (\$8.95) <i>paper</i>	8.50	7.50
HAR665	Plants for Warm Rooms Kenneth Beckett (\$8.95) <i>paper</i>	8.50	7.50
HAR666	Fragrant Plants Kenneth Beckett (\$8.95) <i>paper</i>	8.50	7.50
HAR667	Plants for Sunny Windows Kenneth Beckett (\$8.95) <i>paper</i>	8.50	7.50
Taylor's Pocket Guides:			
HOU641	Perennials for Shade (\$4.95) <i>paper</i>	4.50	3.95
HOU642	Perennials for Sun (\$4.95) <i>paper</i>	4.50	3.95
HOU643	Bulbs for Spring (\$4.95) <i>paper</i>	4.50	3.95
HOU644	Bulbs for Summer (\$4.95) <i>paper</i>	4.50	3.95
HOU645	Modern Roses (\$4.95) <i>paper</i>	4.50	3.95
HOU646	Old-Fashioned Roses (\$4.95) <i>paper</i>	4.50	3.95
Macmillan Field Guides:			
MAC001	Trees Mohlenbrock/Thieret (\$12.95) <i>paper</i>	12.30	10.95
MAC002	Trees Mohlenbrock/Thieret (\$24.95)	23.70	20.95
MAC003	Wildflowers Mohlenbrock (\$24.95)	23.70	20.95
MAC004	Wildflowers Mohlenbrock (\$9.95) <i>paper</i>	9.45	8.45
Macmillan Garden Books:			
MAC021	Bonsai Daute (\$6.95) <i>paper</i>	6.60	5.85
MAC022	Houseplants Herwig (\$6.95) <i>paper</i>	6.60	5.85
MAC023	Natural Herb Gardening Kreuter (\$7.95) <i>paper</i>	7.55	6.75
MAC024	Orchids Pinske (\$6.95) <i>paper</i>	6.60	5.85
MAC025	Organic Gardening Kreuter (\$6.95) <i>paper</i>	6.60	5.85
HP Basic Gardening Series:			
PRI001	Bulbs: How to Select, Grow & Enjoy George Harmon Scott (\$12.95) <i>paper</i>	12.30	10.95
PRI002	Complete Guide to Basic Gardening Michael MacCaskey (Ed.) (\$12.95) <i>paper</i>	12.30	10.95
PRI003	Herbs: How to Select, Grow & Enjoy Norma Jean Lathrop (\$12.95) <i>paper</i>	12.30	10.95
PRI004	Hedges, Screens and Espaliers Susan Chamberlin (\$12.95) <i>paper</i>	12.30	10.95
PRI005	Healthy House Plants (How to Grow) Rob Herwig (\$12.95) <i>paper</i>	12.30	10.95
PRI006	Complete Book of Gardening Richard Ray/Derek Fay/Michael MacCaskey (\$19.95)	18.95	16.95
PRI007	The Complete Garden Planning Manual Derek Fell (Ed.) (\$24.95)	23.70	20.95
PRI008	Citrus Richard Ray & William Walheim (\$19.95)	18.95	16.95
Successful Indoor Gardening:			
PRI018	Exotic Flowering Houseplants William Davidson (\$9.95) <i>paper</i>	9.45	8.45
PRI019	Exotic Cacti Peter Chapman & Margaret Martin (\$9.95) <i>paper</i>	9.45	8.45
PRI020	Exotic Foliage Houseplants William Davidson (\$9.95) <i>paper</i>	9.45	8.45
PRI021	Exotic Orchids Wilma Rittershowsen (\$9.95) <i>paper</i>	9.45	8.45
Reader's Digest Books:			
RAN001	Guide to Creative Gardening (\$26.95)	25.60	22.90
RAN002	Illustrated Guide to Gardening (\$26.95)	25.60	22.90
RAN003	Magic and Medicine of Plants (\$26.95)	25.60	22.90
RAN004	Practical Guide to Home Landscaping (\$23.95)	22.75	19.95
RAN005	Success with House Plants (\$23.95)	22.75	19.95
Gardener's Pocket Picture Guides:			
ROD008	Flowering Trees and Shrubs Brian Davis (\$9.95) <i>paper</i>	9.45	8.45
ROD009	Trees for Small Gardens Brian Davis (\$9.95) <i>paper</i>	9.45	8.45
RHS Wisley Handbooks:			
STE001	Begonias (\$5.95) <i>paper</i>	5.50	4.95
STE002	Bonsai (\$5.95) <i>paper</i>	5.50	4.95
STE003	Bromeliads (\$5.95) <i>paper</i>	5.50	4.95
STE004	Cacti (\$5.95) <i>paper</i>	5.50	4.95
STE005	Carnivorous Plants (\$5.95) <i>paper</i>	5.50	4.95
STE006	Climbing & Wall Plants (\$5.95) <i>paper</i>	5.50	4.95

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
STE007	Culinary Herbs (\$5.95) <i>paper</i>	5.50	4.95
STE008	Gardening in Ornamental Containers (\$5.95) <i>paper</i>	5.50	4.95
STE009	Ground Cover Plants (\$5.95) <i>paper</i>	5.50	4.95
STE010	Orchids (\$5.95) <i>paper</i>	5.50	4.95
STE011	Rhododendrons (\$5.95) <i>paper</i>	5.50	4.95
STE012	Roses (\$5.95) <i>paper</i>	5.50	4.95
STE013	Succulents (\$5.95) <i>paper</i>	5.50	4.95
STE014	Water Gardens (\$5.95) <i>paper</i>	5.50	4.95

AHS Encyclopedia of Garden Plants

Christopher Brickell; AHS edition John Elsley



An outstanding resource! This highly acclaimed, comprehensive volume contains over 4,000 full-color illustrations, garden planning guide, unique color catalog, plant dictionary, plus extensive coverage of the characteristics and cultivation requirements of more than 8,000 trees, shrubs, flowers, and more.

retail: \$49.95 special discount: \$39.95

order code: AHS001

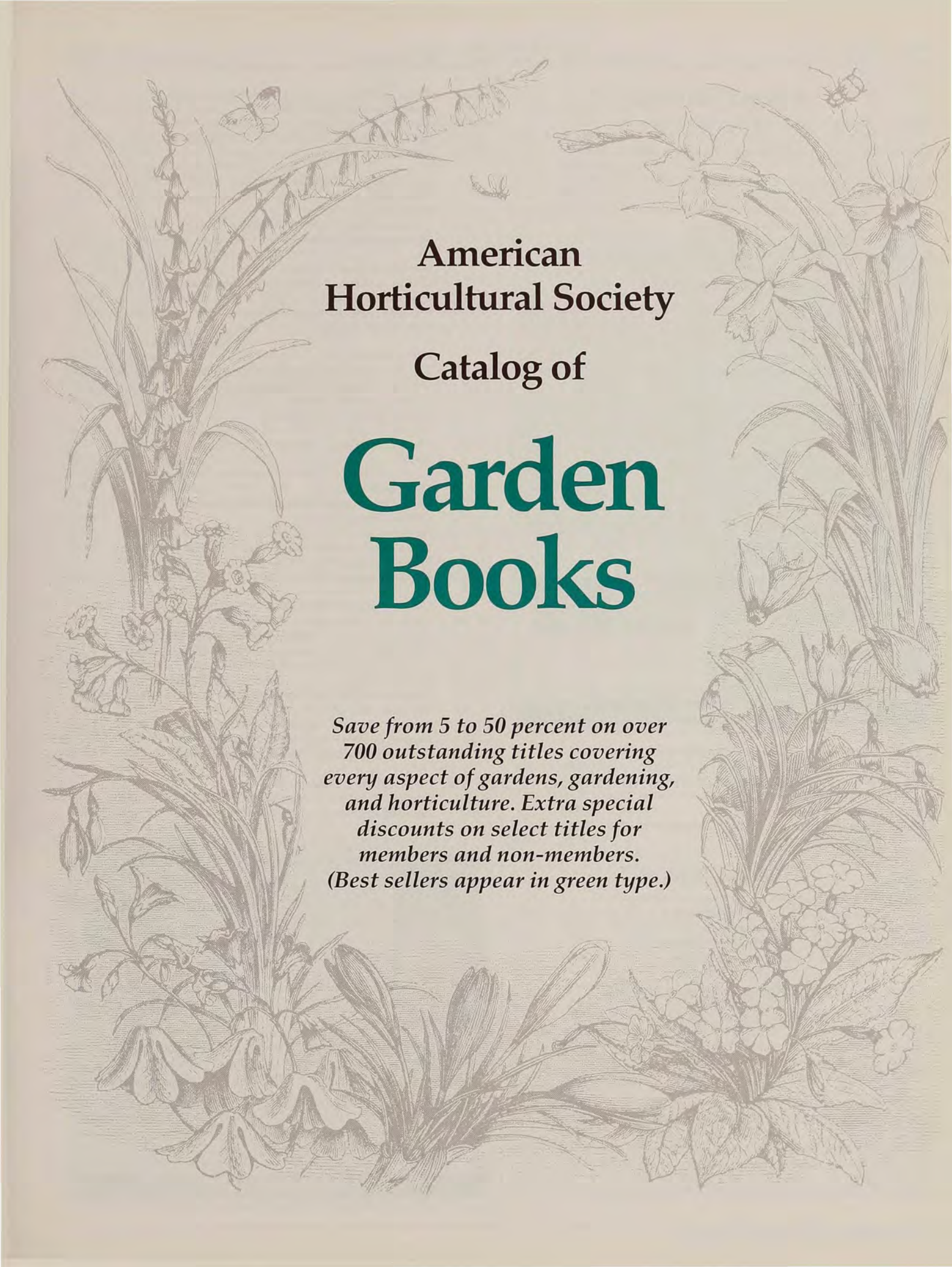
Save 20% (members-only special)

Kew Monographs:

TIM062	Genus Cyclamen Grey-Wilson (\$28.95)	27.50	24.60
TIM063	Genus Cymbidium DuPay & Cribb (\$59.95)	56.95	50.95
TIM064	Genus Echinocereus Taylor (\$27.95)	26.55	23.75
TIM065	Genus Paphiopedilum Cribb (\$39.95)	37.95	33.95
TIM066	Genus Pleione Cribb (\$32.95)	31.30	27.95
TIM088	Hardy Orchids Cribb (\$52.95)	50.30	44.95

Timber Press "Growing" Series:

TIM068	Begonias Catterall (\$14.95) <i>paper</i>	14.20	12.70
TIM069	Bulbs Rix (\$15.95) <i>paper</i>	14.95	13.50
TIM070	Chrysanthemums Randall & Wren (\$15.95) <i>paper</i>	14.95	13.50
TIM071	Cyclamen Nightingale (\$15.95) <i>paper</i>	14.95	13.50
TIM072	Dahlias Damp (\$11.95) <i>paper</i>	11.35	9.95
TIM073	Fuchsias Jennings & Miller (\$14.95) <i>paper</i>	14.20	12.70
TIM074	Iris Cassidy & Linnegar (\$14.95) <i>paper</i>	14.20	12.70
TIM075	Orchids Vol. 1: Cymbidiums & Slippers Rentoul (\$34.95)	33.20	29.70
TIM076	Orchids Vol. 1: Cymbidiums & Slippers Rentoul (\$22.95) <i>paper</i>	21.80	19.50
TIM077	Orchids Vol. 2: Cattleyas & Epiphytes Rentoul (\$22.95) <i>paper</i>	21.80	19.50
TIM078	Orchids Vol. 2: Cattleyas & Epiphytes Rentoul (\$34.95)	33.20	29.70
TIM079	Orchids Vol. 3: Vandas & Dendrobiums Rentoul (\$34.95)	33.20	29.70
TIM080	Orchids Vol. 3: Vandas & Dendrobiums Rentoul (\$22.95) <i>paper</i>	21.80	19.50
TIM081	Orchids Vol. 4: Australasian Families Rentoul (\$22.95) <i>paper</i>	21.80	19.50
TIM082	Orchids Vol. 4: Australasian Families Rentoul (\$34.95)	33.20	29.70
TIM083	Orchids: Specialist Orchid Grower Rentoul (\$34.95)	33.20	29.70
TIM084	Orchids: Specialist Orchid Grower Rentoul (\$22.95) <i>paper</i>	20.95	19.50
TIM085	Roses Gibson (\$15.95) <i>paper</i>	14.95	13.50
TIM086	Succulent Plants Graham (\$19.95)	18.95	16.95

A detailed botanical illustration in a light, sketchy style serves as the background for the entire page. It features various plants, including tall stalks with small flowers, clusters of larger flowers, and several butterflies fluttering around. The style is reminiscent of a woodcut or a fine-line drawing.

American
Horticultural Society

Catalog of

Garden Books

*Save from 5 to 50 percent on over
700 outstanding titles covering
every aspect of gardens, gardening,
and horticulture. Extra special
discounts on select titles for
members and non-members.
(Best sellers appear in green type.)*

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
Cooking			
ADD001	The Book of Garlic Lloyd J. Harris (\$11.95) <i>paper</i>	11.35	9.95
HAR004	The Classic Vegetable Cookbook Ruth Spear (\$12.95) <i>paper</i>	12.30	10.95
ADD529	Fine Preserving Catherine Plagemann & M.F.K. Fisher (\$9.95) <i>paper</i>	9.45	8.45
PRI010	A Gourmet's Guide to Herbs & Spices Mary Trewby (\$9.95) <i>paper</i>	9.45	8.45
PRI009	A Gourmet's Guide to Vegetables Louise Steele (\$9.95) <i>paper</i>	9.45	8.45
ROD013	The Herb & Spice Cookbook Sheryl & Mel London (\$21.95)	20.85	18.50
MAC032	The Macmillan Treasury of Spices & Natural Flavorings (\$17.95)	16.95	15.25
ADD460	The New American Vegetable Cookbook Brennan & Cronin (\$14.95) <i>paper</i>	14.20	12.70
ADD003	Peppers, Hot & Chile Brennan & Cronin (\$9.95) <i>paper</i>	9.45	8.45
ADD002	Wild About Mushrooms Louise Freedman (\$12.95) <i>paper</i>	12.30	10.95

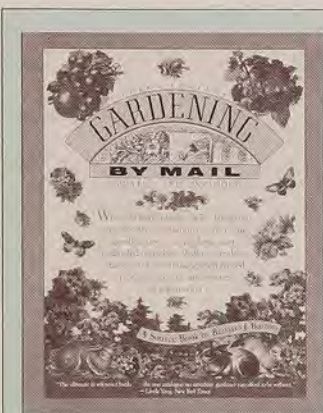
Flowers: Dried & Arranged

STE020	Arranging Flowers Shirley Monckton (\$19.95)	18.95	16.95
SIM001	The Book of Dried Flowers Malcolm Hillier & Colin Hilton (\$29.95)	21.80	19.50
SIM002	The Book of Fresh Flowers Malcolm Hillier (\$29.95)	28.45	19.50
SIM003	The Book of Potpourri Penny Black (\$19.95)	18.95	16.95
SIM007	The Book of Pressed Flowers Penny Black (\$19.95)	18.95	16.95
TIM042	Complete Book of Cut Flower Care Vaughan (\$27.95)	26.55	23.75
RAN011	Complete Book of Everlastings: Growing/ Dried Flowers Silber (\$29.95)	28.40	25.45
SIM008	The Complete Flower Arranger Amalie Adler Ascher (\$15.95) <i>paper</i>	14.95	13.50
STE018	Country Flower Drying Beverly Olson & Judy Lazzara (\$9.95)	9.45	8.45
GAR001	Country Wreaths from Caprilands Adelm Simmons (\$17.95)	16.95	15.25
DAV001	Crafty Flower Arranger Bridges (\$29.95)	28.45	25.45
DAV002	Creative Flower Arrangement Taylor (\$22.95) <i>paper</i>	21.80	19.50
CRO468	Designing with Flowers Tricia Guild (\$27.50)	26.25	23.45
DAV003	Dictionary of Florists & Flower Arranging Gatrell (\$22.95)	21.80	19.50

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
DAV007	Flower Arranger's A-Z Vagg (\$34.95)	33.20	29.70
DAV011	Flower Arranger's Workbook Mann (\$22.95)	21.80	19.50
STE626	Flower Drying With A Microwave Titia Joosten (\$8.95) <i>paper</i>	8.50	7.50
DAV013	Flowers for Celebrations Bridges (\$29.95)	28.45	25.45
DAV005	Floristry Handbook Coleman (\$22.95)	21.80	19.50
DAV006	Flower Arrangements Month by Month Clements (\$14.95) <i>paper</i>	14.20	12.70
DAV008	Flower Arranger's Bible Bridges (\$14.98)	14.20	12.70
STE019	The Flower Arranger's Encyc. of Preserving & Drying Maureen Foster (\$24.95)	23.70	20.95
LIT655	The Flower Arranger's Garden Rosemary Verey (\$29.95)	28.45	25.45
DAV009	Flower Arranger's Garden Maurice (\$29.95)	28.45	25.45
DAV010	Flower Arranger's Guide to Showing Franklin (\$22.95)	21.80	19.50
DAV012	Flower Arranging Without a Garden Mann (\$19.95)	18.95	16.95
DAV014	Flowers in Every Room Vagg (\$16.95)	15.95	14.40
GAR025	Flowers that Last Forever Lewis & Nancy Hill (\$9.95) <i>paper</i>	9.45	8.50
GAR002	Gifts & Crafts from the Garden Maggie Oster (\$19.95)	18.95	16.95
TAY001	Leonard Tharp: An American Style of Flower Arrangement Lisa Ruffin & Narinder Sall (\$35.00)	33.25	29.75
DAV015	Pressed Flowers & Flower Pictures Scott (\$22.95) <i>paper</i>	21.80	19.50
DAV016	Pressed Flowers Through the Seasons Scott (\$24.95)	23.70	20.95
DAV017	Pressed Wild Flower Pictures Beazley (\$24.95)	23.70	20.95
CRO524	The Scented Room Barbara Milo Ohrbach (\$40.00)	37.95	33.95
DAV018	Successful Florist Coleman (\$24.95)	23.70	20.95
DAV019	Wedding Flowers Mann (\$16.95)	16.00	14.40
GAR004	The Wreath Book Rob Pulleyn (\$21.95)	20.85	18.50

Gardening

HAR008	10,000 Garden Questions/Answered by 20 Experts Marjorie J. Dietz (\$32.50)	30.75	27.50
PRI030	200 Houseplants Anyone Can Grow Richard Gilbert (\$12.95) <i>paper</i>	12.30	10.95
TIM001	Alba: The Book of White Flowers Bown (\$32.95)	31.30	27.95
MAC006	America's Garden Book (Rev. Ed.) Bush-Brown (\$30.00)	28.50	25.50
RAN586	American Weekend Garden Thorpe (\$24.95)	23.70	20.95
ROD605	The Annual Garden Peter Loewer (\$21.95)	20.85	18.50
PRI029	Annals: How to Select, Grow & Enjoy Derek Fell (\$12.95) <i>paper</i>	12.30	10.95
GAR045	Astrological Gardening Louise Riotte (\$9.95) <i>paper</i>	9.45	8.50
TIM031	Amateur's Flower Garden Hibberd (\$19.95)	18.95	16.95
GAR014	Annals: 1001 Gardening Questions Answered Garden Way Editors (\$16.95)	15.95	14.50
ROD599	The Backyard Vegetable Factory Duane Newcomb (\$19.95)	18.95	16.95
ROD600	The Backyard Vegetable Factory Duane Newcomb (\$14.95) <i>paper</i>	14.20	12.70
TIM002	Bulbs — Two Volume Set Bryan (\$120.00)	113.95	101.95
ROD002	Backyard Fruits and Berries Diane Bilderback/ Dorothy Hinshaw Patent (\$19.95)	18.95	16.95
GAR021	Building Healthy Gardens Catharine O. Foster (\$9.95) <i>paper</i>	9.45	8.50
MAC007	Building Your Garden Penberthy (\$17.95)	16.95	15.25
ROD652	The Chemical-Free Lawn Warren Schultz (\$14.95) <i>paper</i>	14.20	12.70
ROD653	The Chemical-Free Lawn Warren Schultz (\$21.95)	20.85	18.50
GAR005	Cash From Square Foot Gardening Mel Bartholomew (\$9.95) <i>paper</i>	9.45	8.50
SIM004	City Gardening Deirdre Colby (\$12.95) <i>paper</i>	12.30	10.95
GAR023	Cold Climate Gardening Lewis Hill (\$9.95) <i>paper</i>	9.45	8.50
RAN012	Complete Indoor Gardener Brown (Ed.) (\$19.95) <i>paper</i>	18.95	16.95



Gardening By Mail

Barbara J. Barton
 "The ultimate in reference guides...the one catalogue no armchair gardener can afford to be without."

—Linda Yang
New York Times

"Gardening By Mail" has a special place on my desk, never more than an arm's length away."

—Bob Thompson
PBS' The Victory Garden

retail: \$15.95 AHS members pay only: \$9.57 order code: HOU505

Save 40% (members-only special)

American Gardens

Peter Loewer

A breathtaking tour of thirty of the finest private gardens in America, with a broad range of climates, terrains, styles, and sizes. Special attention to individual plants including special plantings, seasonal highlights, inspired groupings, and details for adaptation in your own garden.



retail:
\$35.00

AHS members pay only:
\$20.95

order code:
SIM627

Save 40%
(members-only special)

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
HOU001	Complete Shade Gardener Schenk (\$14.95) <i>paper</i>	14.20	12.70
DAV031	Cottage Gardening in Town & Country Swindells (\$15.95) <i>paper</i>	14.95	13.50
HOL008	Country Diary Book of Creating a Butterfly Garden Warren (\$19.95)	18.95	16.95
MAC008	Country Garden Neuse (\$12.95) <i>paper</i>	12.30	10.95
RAN013	Creating Small Gardens Strong (\$24.95)	23.70	20.95
TIM004	Creative Propagation Thompson (\$32.95)	31.30	27.95
HOL001	The Essential Kitchen Gardener Frieda Arkin (\$24.95)	23.70	20.95
HOU003	Everlastings Thorpe (\$9.95) <i>paper</i>	9.45	8.45
ROD577	Flowers for All Seasons Jeff & Marilyn Cox (\$24.95)	23.70	20.95
SIM014	The Flower Garden Planner Phoebe Phillips (\$15.95) <i>paper</i>	14.95	13.50
GAR026	Fruits & Berries for the Home Garden Lewis Hill (\$10.95) <i>paper</i>	10.40	9.30
TIM059	Gardening in the Shade Morse (\$12.95) <i>paper</i>	12.30	10.95
HOU595	Gardening with the New Small Plants Allen (\$19.95)	18.95	16.95
HOU596	Gardening with the New Small Plants Allen (\$12.95) <i>paper</i>	12.30	10.95
HAR567	Growing Fragrant Plants Rayford C. Reddell & Robert Galyean (\$35.95)	33.95	30.50
MAC010	The Garden Book Levin Assoc. (\$19.95)	18.95	16.95
GAR012	The Garden Border Book Mary Keen (\$27.95)	26.55	23.75
GAR008	Gardener's Palette Brian Carter (Ed.) (\$14.95)	14.20	12.75
ADD004	Gardening The National Gardening Association (\$19.95) <i>paper</i>	18.95	16.95
HAR009	Gardening Through the Year Hazel Evans (\$10.95) <i>paper</i>	10.40	9.30
TIM058	Gardening and Beyond Bellis (\$19.95)	18.95	16.95
HAR005	Gardening in New England Marion Schroeder (\$10.95) <i>paper</i>	10.40	9.30
DAV047	Gardening with Style Rose, King & Otteson (\$29.95)	28.45	25.45
ROD010	Good Neighbors: Companion Planting for Gardeners Anna Carr (\$19.95)	18.95	16.95
GAR029	Have-More-Plan Ed & Carolyn Robinson (\$5.95) <i>paper</i>	5.65	4.95
SIM639	The Healthy Garden Handbook Mother Earth News Editors (\$11.95) <i>paper</i>	11.35	9.95
SIM640	The Healthy Garden Handbook Mother Earth News Editors (\$22.95)	21.80	19.50
ROD013	High-Yield Gardening Marjorie B. Hunt & Brenda Bortz (\$24.95)	23.70	20.95
SIM021	Hillside Gardening William Lake Douglas (\$12.95) <i>paper</i>	12.30	10.95

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
HOU004	Home Grown DeSaulles (\$35.00)	33.25	29.75
SIM023	How to Have a Green Thumb Without an Aching Back Ruth Stout (\$5.95) <i>paper</i>	5.50	4.95
MAC017	The Illustrated Garden Book V. Sackville-West (\$14.95) <i>paper</i>	14.20	12.70
MAC018	The Illustrated Garden Book V. Sackville-West (\$22.50)	21.30	18.95
DAV069	Joy of Wildlife Gardening Smith (\$34.95)	33.20	29.70
ROD014	Jeff Ball's 60-Minute Garden Jeff Ball (\$19.95)	18.95	16.95
MAC019	Jerry Baker's Flowering Garden Jerry Baker (\$7.95) <i>paper</i>	7.55	6.75
GAR030	Joy of Gardening (Garden Way's) Dick Raymond (\$17.95) <i>paper</i>	16.95	15.25
GAR031	Joy of Gardening Handbook Mark Hebert (\$8.95) <i>paper</i>	8.50	7.60
GAR032	Keep Your Gift Plants Thriving Karen Solit with Jim Solit (\$6.95) <i>paper</i>	6.60	5.90
DAV071	Leisurely Gardening; Art/Low-Maintenance Garden Colborn (\$29.95)	28.45	25.45
PRI012	Lawns and Ground Covers Michael MacCaskey (\$12.95) <i>paper</i>	12.30	10.95
GAR035	Let It Rot! Stu Campbell (\$5.95) <i>paper</i>	5.65	4.95
GAR036	Let's Grow! Linda Tilgner (\$10.95) <i>paper</i>	10.40	9.30
DAV073	Margery Fish's Country Gardening Clark (\$29.95)	28.45	25.45
SIM024	McCall's Garden Book Gretchen Fischer (\$15.95) <i>paper</i>	14.95	13.50
DAV574	Natural Pest and Disease Control Jim Hay (\$13.95) <i>paper</i>	13.25	11.85
MAC603	The New American Garden Carole Ottesen (\$24.95)	23.70	20.95
ROD676	The New Seed-Starters Handbook Nancy Bubel (\$19.95)	18.95	16.95
ROD677	The New Seed-Starters Handbook Nancy Bubel (\$14.95) <i>paper</i>	14.20	12.70
GAR010	The New Victory Garden Bob Thompson (\$19.95) <i>paper</i>	18.95	16.95

Join AHS today and start saving an additional 10 to 50 percent on your current order. See page 11 for more information.

ROD018	No-Dig No-Weed Gardening Raymond P. Poincelot (\$14.95) <i>paper</i>	14.20	12.70
ROD019	No-Dig No-Weed Gardening Raymond P. Poincelot (\$19.95)	18.95	16.95
PRI651	Ornamental Grass Gardening Reinhardt, Reinhardt & Moscovitz (\$19.00)	18.95	16.95
GAR589	Peter Chan's Magical Landscape Peter Chan (\$10.95) <i>paper</i>	10.40	9.30
TIM110	Pacific Northwest Guide to Home Gardening McNeilan (\$24.95)	23.70	20.95
HAR007	A Patchwork Garden Sydney Eddison (\$19.95)	18.95	16.95
PRI013	Patio Gardening Jack Kramer (\$12.95) <i>paper</i>	12.30	10.95
ROD021	Plants Plus: Guide to Successful Plant Propagation George Seddon & Andrew Bicknell (\$14.95) <i>paper</i>	14.20	12.70
PRI014	Plants for Dry Climates Mary Rose Duffield & Warren D. Jones (\$12.95) <i>paper</i>	12.30	10.95
LIT647	The Practical Gardener: A Guide to Breaking New Ground Roger B. Swain (\$18.95)	17.95	16.10
PRI017	Pruning: How-To Guide for Gardeners Robert L. Stebbins & Michael MacCaskey (\$12.95) <i>paper</i>	12.30	10.95
ROD648	Q&A 100's of Can-Do Answers/Gardeners' Questions Organic Gardening Editors (\$21.95)	20.85	18.50
ROD025	Rodale's Garden Problem Solver Jeff Ball (\$21.95)	20.85	18.50

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
ROD022	The Rodale Guide to Composting Jerry Minnich, Marjorie Hunt, et al. (\$14.95)	14.20	12.70
GAR038	Roses Love Garlic Louise Riotte (\$7.95) <i>paper</i>	7.50	6.75
HOU006	Ruth Page's Gardening Journal Ruth Page (\$17.95)	16.95	15.25

AHS members receive substantial discounts on books, free seed, reduced admission to botanical gardens nationwide, monthly publications, toll-free garden help, and more.

HOU007	Ruth Page's Gardening Journal Ruth Page (\$7.95) <i>paper</i>	6.95	6.75
ROD027	The Ruth Stout No-Work Garden Book Ruth Stout & Richard Clemence (\$12.95)	12.30	10.95
DAV092	Soil Care for Gardeners Mather (\$8.95) <i>paper</i>	8.50	7.50
MAC030	V. Sackville-West's Garden Book (\$10.95) <i>paper</i>	10.40	9.30
GAR011	Seaside Gardening Susan S. H. Littlefield (\$12.95) <i>paper</i>	12.30	10.95
GAR040	Secrets of Plant Propagation Lewis Hill (\$12.95) <i>paper</i>	12.30	10.95
DAV090	Sheltered Garden Toogood & Glover (\$24.95)	23.70	20.95
SIM053	The Small Garden Planner Graham Rose (\$19.95)	18.95	16.95
ROD028	Square Foot Gardening Mel Bartholomew (\$14.95) <i>paper</i>	14.20	12.70
UNC653	Successful Southern Gardening Sandra F. Ladendorf (\$24.95)	23.70	21.25
UNC654	Successful Southern Gardening Sandra F. Ladendorf (\$12.95) <i>paper</i>	12.30	10.95
DAV095	Terracotta Gardening Keeling (\$29.95)	28.45	25.45
HOL006	Three-Year Garden Recordkeeper Gleason (\$14.95) <i>paper</i>	14.20	12.70
WOR002	Theme Gardens Barbara Damrosch (\$15.95)	14.95	13.50
GAR042	Tips for the Lazy Gardener Linda Tilgner (\$4.95) <i>paper</i>	4.70	4.20
WEI629	Vertical Gardening Caroline Boisset (\$24.95)	23.70	21.25
PRI026	Western Fruit, Berries and Nuts Richard L. Stebbins & Lance Walheim (\$12.95) <i>paper</i>	12.30	10.95
ROD661	A Year of Flowers: Your House and Garden in Bloom Peter Loewer (\$21.95)	20.85	18.50

General Reading

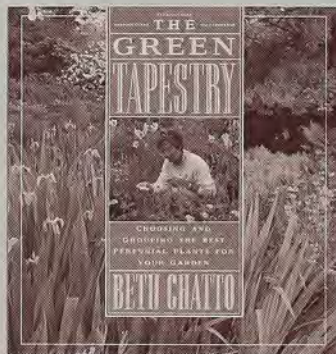
TIM527	100 Great Garden Plants Frederick (\$27.95)	26.55	23.75
SIM627	American Gardens Peter Loewer (\$35.00)	33.25	20.95
RAN649	Antique Flowers Whiteside (\$29.95)	28.45	25.45
RAN006	The Adventurous Gardener Lloyd (\$8.95) <i>paper</i>	8.50	7.50
RAN007	Art of the Kitchen Garden Clarke (\$24.95)	23.70	20.95
TIM448	The Banksia Book George (\$24.95)	23.70	20.95
STE606	Bonsai Master Class Peter Chan (\$19.95)	18.95	16.95
TIM019	Book of the Peony Harding (\$27.00)	25.65	22.95
DAV022	Borders: Guide to Spring, Summer, & Autumn Colour deBray (\$34.95)	33.20	29.70
GAR019	The Bug Book John & Helen Philbrick (\$5.95) <i>paper</i>	5.65	4.95
GAR020	Building a Healthy Lawn Naturally Stuart Franklin (\$9.95) <i>paper</i>	9.45	8.50
DAV024	Bunch of Sweet Peas Donald (\$15.95)	14.95	13.50
RAN008	Chelsea Year 1988-89 Joyce (\$16.95) <i>paper</i>	15.95	14.40
SIM006	The Classic Garden Graham Rose (\$29.95)	28.45	25.45
LIT465	Color in Your Garden Penelope Hobhouse (\$40.00)	37.95	33.95
TIM020	Complete Flower Paintings & Drawings Thomas (\$45.00)	42.75	38.25
TIM021	The English Flower Garden Robinson (\$35.00)	33.25	29.75
CPR001	Earth Ponds Tim Matson (\$14.95) <i>paper</i>	14.20	12.75
RAN014	Earthly Delights Rosalind Creasy (\$12.95) <i>paper</i>	12.30	10.95

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
RAN015	Education of a Gardener Ruth Page (\$8.95) <i>paper</i>	8.50	7.50
DAV036	Exotic Garden Challis (\$34.95)	33.20	29.70
TIM054	Foliage Plants for Decorating Indoors Elbert (\$49.95)	47.45	42.45
FAR466	Farther Afield Allen Lacy (\$17.95)	16.95	15.25
FAR467	Farther Afield Allen Lacy (\$8.95) <i>paper</i>	8.50	7.60
UMO425	The Flowers Around Us Mary Parker Buckles (\$29.95)	28.45	25.45
MAC009	Flowers of Kew Mabey (\$35.00)	33.25	29.75
WOR624	The Garden Primer Barbara Damrosch (\$24.95)	23.70	21.25
WOR625	The Garden Primer Barbara Damrosch (\$16.95) <i>paper</i>	16.10	14.40
TIM055	Garden Art of China Yu Sianglin (\$27.95)	26.55	23.75
CAP565	The Garden Border Book Mary Keen (\$29.95)	28.45	25.45
DAV040	Garden Games & Lawn Leisure Kurrein (\$22.95)	21.80	19.50
TIM057	Garden Plants for Connoisseurs Lancaster (\$29.95)	28.45	25.45
DAV042	Gardeners Du Boulay (\$30.95)	29.40	26.30
SIM020	A Gentle Plea for Chaos Mirabel Osler (\$22.95)	21.80	19.50
SIM657	The Green Tapestry Beth Chatto (\$24.95)	23.70	14.97
GAR034	Lawns & Landscaping: 1001 Questions Answered Garden Way Editors (\$16.95)	16.10	14.40
DUK492	The Little Bulbs: A Tale of Two Gardens Elizabeth Lawrence (\$29.95)	28.45	25.45
DUK491	The Little Bulbs: A Tale of Two Gardens Elizabeth Lawrence (\$11.95) <i>paper</i>	11.35	9.95
MAC020	The Lives of Plants Stone (\$15.95)	14.95	13.50
GAR046	Natural Fragrances Gail Duff (\$22.95)	21.80	19.50
LIT522	The National Trust Book of Gardening Penelope Hobhouse (\$29.95)	28.45	25.45
WAS003	The New Savory Wild Mushroom Margaret McKenny & Daniel E. Stuntz (\$12.50) <i>paper</i>	11.80	10.50
TIM107	Once Upon a Windowsill Martin (\$29.95)	28.45	25.45
HAR011	Outdoor Floors Peter McHoy (\$24.95)	23.70	20.95
TIM116	Plants for Problem Places Rice (\$29.95)	28.95	25.45
PEA003	Peachtree Garden Book Chambers & Asher (\$5.95) <i>paper</i>	5.50	4.95
SIM029	Perfect Plant, Perfect Garden Anne Scott-James (\$14.95) <i>paper</i>	14.20	12.70
DAV087	Purest of Pleasures: Creation of a Romantic Garden Parker (\$24.95)	23.70	20.95
SIM036	Right Plant, Right Place Nicola Ferguson (\$15.95) <i>paper</i>	14.95	13.50

The Green Tapestry

Beth Chatto

Lavishly illustrated, *Tapestry* is a masterpiece for perennial gardeners and includes special sections on a variety of garden situations and themes: entrances, water gardens, open walks, shade gardens, dry gardens. Also included are principles of planting and a thorough plant guide. Over 200 photographs.



retail:
\$24.95

**AHS members pay only:
\$14.97**

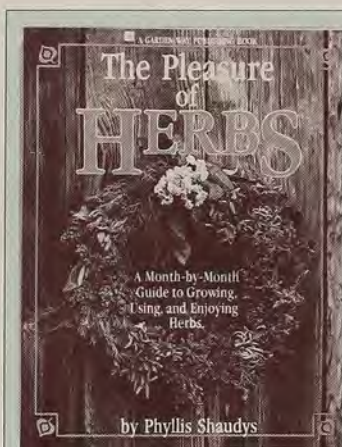
order code:
SIM657

**Save 40%
(members-only special)**

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
RAN023	The Scented Garden Rosemary Verey (\$24.95)	23.70	20.95
ROD665	The Scented Garden: Fragrances for Garden and Home David Squire with Jane Newdick (\$24.95)	23.70	20.95
DAV088	Secret Gardens: Creating Romantic Retreats Toogood (\$22.95)	21.80	19.50
HAR015	The Secret Life of Plants Peter Tompkins & Christopher Bird (\$9.95) <i>paper</i>	9.45	8.45
HAR014	Secrets of the Soil Peter Tompkins & Christopher Bird (\$24.95)	23.70	20.95
TIM132	Vanishing Garden Brickell (\$24.95)	23.70	20.95
WEA552	A Weaver's Garden Rita Buchanan (\$16.95)	16.10	14.40
SIM055	The Well-Furnished Garden Michael Balston (\$24.95)	23.70	20.95
TIM134	Wild & Wonderful Flowers for Your Home Fleck & Stevens (\$39.95)	37.95	33.95
SIM058	The Window Box Book Anne M. Halpin (\$14.95)	14.20	12.70
SIM059	The Year-Round Flower Gardener Anne M. Halpin (\$16.95) <i>paper</i>	15.95	14.40

Herbs

DAV062	Harlow Car Book of Herb Gardening Swindells (\$22.95)	21.80	19.50
OXF003	Ancient Herbs Jeanne D'Andrea (\$12.95) <i>paper</i>	12.30	10.95
GAR028	Growing and Using Herbs Successfully Betty E. M. Jacobs (\$9.95) <i>paper</i>	9.45	8.50



The Pleasure of Herbs

Phyllis Shaudys

"Sensational...solidly packed ...a generous book filled with lots of creativity, inspiration, and sweat..."

—New Hampshire Herb Society

retail:

\$22.50 cloth \$13.95 paper

AHS members pay only:

\$12.37 cloth \$7.67 paper

order codes:

GAR508 cloth GAR509 paper

**Save 45%
(members-only special)**

ROD011	Growing and Using the Healing Herbs Gaea & Shandor Weiss (\$21.95)	20.85	18.50
SIM060	Growing Herbs in Pots (\$8.95) <i>paper</i>	8.50	7.50
MAC016	Herb Gardening at Its Best Gilbertie & Sheehan (\$9.95) <i>paper</i>	9.45	8.45
ROD012	Herbs Through the Seasons at Caprilands Adelmia Grenier Simmons (\$19.95)	18.95	16.95
GAR003	Herbs: Gardens, Decorations, and Recipes Emelie Tolley & Chris Mead (\$35.00)	33.25	29.75
TIM096	Landscaping with Herbs Adams (\$29.95)	28.45	25.45
MAC026	The Macmillan Treasury of Herbs Bonar (\$17.95)	16.95	15.25
MAC622	Philip Dowell (\$31.25)	29.60	26.50
MAC623	Philip Dowell (\$16.95) <i>paper</i>	15.95	14.40
GAR509	Phyllis Shaudys (\$13.95) <i>paper</i>	13.25	7.67
ROD026	Rodale's Illustrated Encyclopedia of Herbs Claire Kowalchik & William H. Hylton (\$24.95)	23.70	20.95
TIM128	Thyme on My Hands Grissell (\$19.95)	18.95	16.95

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
History & Biography			
MAS520	American Gardens in the 18th Century Ann Leighton (\$16.95) <i>paper</i>	16.10	14.40
MAS554	American Gardens in the 19th Century Ann Leighton (\$16.95) <i>paper</i>	16.10	14.40
TIM018	Beatrix Farrand's American Landscapes Balmori & McGuire (\$24.95) <i>paper</i>	23.70	20.95
MAS521	Early American Gardens Ann Leighton (\$16.95) <i>paper</i>	16.10	14.40
TIM022	Fletcher Steele, Landscape Architect Robin Karson (\$49.95)	47.45	42.45
TIM024	Gertrude Jekyll: A Vision of Wood & Garden Tankard (\$35.00)	33.25	29.75
HAR016	The Garden Triumphant: A Victorian Legacy David Stuart (\$27.00)	25.65	22.95
DAV049	Gardens of William & Mary van der Horst & Jacques (\$39.95)	37.95	33.95
TIM067	Georgian Gardens: The Reign of Nature Jacques (\$39.95)	37.95	33.95
TIM025	Gravetye Manor Robinson (\$125.00)	118.75	106.25
TIM090	History of Horticulture in America Hedrick (\$39.95)	37.95	33.95
UPV494	Historic Virginia Gardens Dorothy H. Williams (\$24.95)	23.70	21.25
UCA464	The History of Gardens Christopher Thacker (\$18.95) <i>paper</i>	17.95	15.95
TIM028	Landscaping the American Dream: Florence Yoch (\$45.00)	42.75	38.25
TIM014	Leonardo da Vinci on Plants & Gardens Emboden (\$34.95)	33.20	29.70
DAV074	Miss Jekyll: Portrait of a Great Gardener Massingham (\$29.95)	28.45	25.45
DAV075	Miss Jekyll: Portrait of a Great Gardener Massingham (\$15.95) <i>paper</i>	14.95	13.50
SIM035	Redoute's Fairest Flowers Martyn Rix/Dr. William T. Stearn (Ed.) (\$40.00)	37.95	33.95
TIM133	Victorian Gardens Elliott (\$42.95)	40.80	36.50

Plant Hunting

PAJ001	The Plant Hunters Tyler Whittle (\$13.95) <i>paper</i>	13.25	11.85
TIM114	Plant Hunting in Nepal Lancaster (\$19.95)	18.95	16.95
TIM115	Plant Hunting on the Edge of the World Ward (\$11.95) <i>paper</i>	11.35	9.95

Landscapes & Garden Design

RAN009	Classic Garden Design Rosemary Verey (\$24.95)	23.70	20.95
RAN010	Complete Book Of Edible Landscaping Rosalind Creasy (\$19.95) <i>paper</i>	18.95	16.95
TIM539	Creating a Chinese Garden Engel (\$38.95)	36.95	32.95
CPR003	Designing Your Own Landscape Gordon Hayward & Gordon Morrison (\$14.95)	14.20	12.50
HAR010	Designing with Trees Anthony Paul & Yvonne Rees (\$29.95)	28.45	25.45
HOU002	Everlasting Design Penzner (\$9.95) <i>paper</i>	9.45	8.45
TIM023	Formal Garden in England Blomfield (\$25.00)	23.75	21.25
HAR585	The Garden Design Book Anthony Paul & Yvonne Rees (\$34.95)	33.20	29.70
SIM016	Garden Design William Lake Douglas (\$35.00)	33.25	29.75
SIM017	Garden Design William Lake Douglas (\$15.95) <i>paper</i>	14.95	13.50
TIM056	Garden Design Illustrated Grant (\$19.95)	18.95	16.95
ROD502	Gardens by Design: Plans for 12 Imaginative Gardens Peter Loewer (\$19.95)	18.95	16.95
SIM018	Garden Projects: Planning/Building a Beautiful Garden (\$14.95) <i>paper</i>	14.20	12.70
SIM613	Home Landscaping Elizabeth Murray & Derek Fell (\$29.95)	28.45	25.45
PRI024	Home Landscaping in the Northeast and Midwest Ken Smith (\$12.95) <i>paper</i>	12.30	10.95
ABB002	In the Mountains of Japan Sam Hunter & David Finn (\$65.00)	61.75	55.25
MAC621	Landscaping: A Five Year Plan James (\$22.50)	21.30	18.95
HAR012	Landscape It Yourself Jamie Gibbs (\$24.50)	23.25	20.80

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
HAR013	Landscape It Yourself Jamie Gibbs (\$14.95) <i>paper</i>	14.20	12.70
ABB004	A Landscape for Modern Sculpture John Beardsley & David Finn (\$45.00)	42.75	38.25
GAR033	Landscape Rejuvenation Bonnie Lee Appleton (\$10.95) <i>paper</i>	10.40	9.30
HOU681	Landscaping with Container Plants (\$35.00)	33.25	29.75
ROD015	The New American Landscape Gardener Phebe Leighton & Calvin Simonds (\$21.95)	20.85	18.50
PRI594	101 Home Landscaping Ideas/Every Size & Shape Lot Joel Lerner (\$9.95) <i>paper</i>	9.45	8.45
PRI028	101 Townhouse Garden Designs Joel M. Lerner (\$7.95) <i>paper</i>	7.55	6.75
TIM113	Personal Landscapes Malitz (\$39.95)	37.95	33.95
ROD667	Rodale's Landscape Problem Solver Jeff & Liz Ball (\$24.95)	23.70	20.95
PRI027	Southern Home Landscaping Ken Smith (\$12.95) <i>paper</i>	12.30	10.95
SIM054	35 Garden Blueprints Maggie Oster (\$14.95)	14.20	12.70
PRI025	Western Home Landscaping (Revised Edition) Ken Smith (\$12.95) <i>paper</i>	12.30	10.95

Nature & Photography

ABB001	Focus on Flowers Allen Rokach & Anne Millman (\$39.95)	37.95	33.95
PRI011	How To Photograph Flowers, Plants & Landscapes Derek Fell (\$9.95) <i>paper</i>	9.45	8.45
MCG593	Landscape Photography: A Kodak Guide Jeff Wignall (\$12.95)	12.30	10.95

Perennials

TIM037	Bulbs and Perennials Grace (\$24.95)	23.70	20.95
SIM010	Easy Care Perennials Patricia A. Taylor (\$12.95) <i>paper</i>	12.30	10.95
VAR001	Herbaceous Perennial Plants Allan M. Armitage (\$37.95)	35.95	32.25
VAR002	Herbaceous Perennial Plants Allan M. Armitage (\$32.95) <i>paper</i>	31.30	27.95
TIM097	Landscaping with Perennials Brown (\$39.95)	37.95	33.95
ROD020	The Perennial Garden Jeff & Marilyn Cox (\$24.95)	23.70	20.95
HOU638	The Perennial Gardener Frederick J. McGourty (\$24.95)	23.70	12.48
PRI016	Perennials: How to Select, Grow & Enjoy Pamela Harper & Frederick McGourty (\$12.95) <i>paper</i>	12.30	10.95
RAN022	Perennials for American Gardens Clausen, et al. (\$35.00)	33.25	29.75
GAR037	Perennials: 1001 Gardening Questions Answered Garden Way Editors (\$16.95)	16.10	14.40
GAR598	Successful Perennial Gardening Betty E. M. Jacobs (\$16.95) <i>paper</i>	16.10	14.40

The Perennial Gardener

Frederick McGourty

A perennial best-seller—and one of the very finest perennial books available. Beautiful from cover to cover and filled with ideas, insight, and fun from one of America's favorite garden writers and speakers.

retail: **\$24.95** AHS members pay only: **\$12.48**

order code:
HOU 638

Save 50%
(members-only special)



Reference & Technical Works

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
AHS001	The Amer. Hort. Society Encyclopedia of Garden Plants Brickell (\$49.95)	47.45	39.95
EVA541	American Garden Guidebook—East Everitt L. Miller & Jay S. Cohen (\$8.95) <i>paper</i>	8.50	7.50
EVA001	American Garden Guidebook—West Everitt L. Miller & Jay S. Cohen (\$9.95) <i>paper</i>	9.45	8.50
PRE297	The Ball Red Book: Greenhouse Growing Vic Ball (\$46.20)	43.85	39.25
TIM035	Bernard Harkness Seedlist Harkness (\$27.95)	26.55	23.75
DAV023	Botanical Latin Stearn (\$39.95)	37.95	33.95
TIM449	Dictionary of Plant Names Coombes (\$9.95)	9.45	8.45
TIM049	Encyclopedia of Cacti Cullman (\$49.95)	47.45	42.45
TIM050	Encyclopedia of Ferns Jones (\$55.95)	53.15	47.55
ROE357	Exotica 4 (2 Vols) A. B. Graf (\$187.00)	177.65	158.95
ROD005	The Encyclopedia of Natural Insect & Disease Control Roger B. Yepsen Jr. (Ed.) (\$24.95)	23.70	20.95
ROD006	The Encyclopedia of Organic Gardening Organic Gardening Staff (\$34.95)	33.20	29.70
TIM051	Encyclopedia of Rhododendron Hybrids Cox (\$59.95)	56.95	50.95
ROE002	Exotic Houseplant Book A.B. Graf (\$8.95)	8.50	7.50
MAS001	A Field Guide to Coastal Wetland Plants/Northeast Ralph W. Riner Jr. (\$13.95) <i>paper</i>	13.25	11.85
SIM013	The Flora File Garden Planner & Record Book Fiona Hutton (\$17.95)	16.95	15.25
MAS002	Flowering Plants of Massachusetts Vernon Ahmadjan (\$35.00)	33.25	29.75
MAS003	Freshwater Wetlands: Common Indicator Plants/NE Dennis W. Magee (\$11.95) <i>paper</i>	11.35	9.95
RAN516	Gardener's Handbook Of Edible Plants Rosalind Creasy (\$12.95) <i>paper</i>	12.30	10.95
HOU505	Gardening By Mail (New 1990 Edition) Barbara J. Barton (\$16.95) <i>paper</i>	15.95	9.57
TIM013	Gray's Manual of Botany Fernald (\$59.95)	56.95	50.95
ROD007	The Gardener's Illustrated Encycl. of Trees & Shrubs Brian Davis (\$24.95)	23.70	20.95
MAC011	Gardener's Index of Plants and Flowers Brookes/Beckett/Everett (\$14.95) <i>paper</i>	14.20	12.70
MAC012	Gardener's Index of Plants and Flowers Brookes/Beckett/Everett (\$25.95)	24.65	21.95
MAC013	Gardening/Landscaping/Grounds Maintenance 3rd Ed. Oravetz (\$15.95)	14.95	13.50
GPI002	Gardening: A Guide to the Literature Richard T. Isaacson (\$24.00)	22.80	19.95
MAC356	Hortus Third (\$145.00)	137.75	123.25
TIM087	Handbook of Annuals and Bedding Plants Rice (\$24.95)	23.70	20.95
TIM091	How to Identify Flowering Plant Families Baumgardt (\$22.95) <i>paper</i>	21.80	19.50
TIM092	Hybrids & Hybridizers: Rhododendrons for East U.S. Livingston (\$30.00)	28.50	25.50
JWI544	Indoor Plants George Briggs & Clyde Calvin (\$55.95)	53.25	47.55
HAR576	The Mail Order Gardener Hal Morgan (\$12.95) <i>paper</i>	12.30	10.95
TIM100	Manual of Alpine & Rock Garden Plants Grey-Wilson (\$29.95)	28.45	25.45
TIM015	Manual of Trees & Shrubs Hardy in North America Rehder (\$59.95)	56.95	50.95
TIM101	Manual of Alpine Plants Ingwersen (\$17.95)	16.95	15.25
TIM105	Manual of Saxifrages Webb (\$57.95)	55.05	49.25
WAS002	Mosses, Lichens, and Ferns of N.W. North America Dale Vitt, Janet Marsh & Robin Bovey (\$17.50) <i>paper</i>	16.50	14.75
GPI001	NYBG Illustrated Encyclopedia of Horticulture—10 Vols. Thomas H. Everett (\$1,000.00)	949.95	849.95
SIM027	The National Arboretum Book of Outstanding Garden Plants Jacqueline Heriteau (\$39.95)	37.95	23.97
MAS004	Native & Naturalized Plants of Nantucket Frank C. MacKeever (\$20.00)	18.95	16.95
TIM106	Native Shrubs & Woody Vines of the Southeast Foote & Jones (\$32.95)	31.30	27.95
OXY514	The Oxford Companion to Gardens Geoffrey & Susan Jellicoe (\$49.95)	47.45	42.45

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
SIM030	Plant Propagation Philip McMillan Browse (\$10.95) <i>paper</i>	10.40	9.30
TIM016	Plantae Wilsonianae, 3 Vols. Wilson & Sargent (\$110.00)	104.50	93.50
TIM118	Pocket Guide to Choosing Woody Ornamentals Krussman (\$12.95) <i>paper</i>	12.30	10.95
TIM030	Practical Woody Plant Propagation Macdonald (\$59.95)	56.95	50.95
SIM031	Prentice Hall Encyclopedia of Garden Flowers Anita Pereira (\$40.00)	37.95	33.95
SIM032	Principles of Gardening Hugh Johnson (\$17.95) <i>paper</i>	16.95	15.25
DAV086	Principles of Horticulture Adams, Bamford & Early (\$29.95) <i>paper</i>	28.45	25.45
VAR569	The Reference Manual of Woody Plant Propagation Michael Dirr & Charles Heuser Jr. (\$31.95)	30.35	26.95
ROD023	Rodale's Color Handbook of Garden Insects Anna Carr (\$14.95) <i>paper</i>	14.20	12.70
ROD024	Rodale's Gdn. Insect, Disease & Weed Ident. Guide Miranda Smith & Anna Carr (\$21.95)	20.85	18.50
MAS005	Trees, Shrubs & Vines for Attracting Birds/NE Richard M. DeGraaf & Gretchen M. Witman (\$12.95) <i>paper</i>	12.30	10.95
ROE001	Tropica A.B. Graf (\$125.00)	118.75	106.25
MAC031	Wyman's Gardening Encyclopedia (\$50.00)	47.50	42.50
JWI671	Wild Plants of America Richard M. Smith (\$22.95)	21.80	19.50
JWI672	Wild Plants of America Richard M. Smith (\$12.95) <i>paper</i>	12.30	10.95

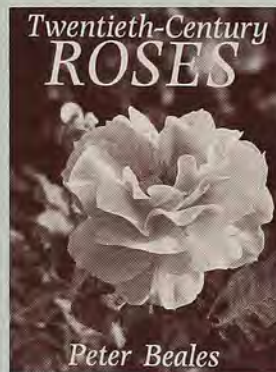
Roses

HOL003	Classic Roses Peter Beales (\$60.00)	56.95	50.95
TIM043	Complete Book of Roses Krussmann (\$50.00)	47.50	42.50
HAR568	Growing Good Roses Rayford C. Reddell (\$27.50)	25.95	23.25
DAV058	Growing & Showing Roses Charlton (\$12.95)	12.30	10.95
SIM673	In Search of Lost Roses Thomas Christopher (\$18.45)	17.50	15.75
SIM025	Miniature Roses McCann (\$19.95)	18.95	16.95
PRI015	Roses: How To Select, Grow & Enjoy Richard Ray & Michael MacCaskey (\$12.95) <i>paper</i>	12.30	10.95
HOL005	Rose Gardens Jane Fearnley-Whittingstall (\$39.95)	37.95	33.95
MAC028	Rose-Lover's Guide Browne (\$9.95) <i>paper</i>	9.45	8.45
RAN024	Roses Phillips & Rix (\$19.95) <i>paper</i>	18.95	16.95
GAR039	Roses: 1001 Gardening Questions Answered Garden Way Editors (\$16.95)	16.10	14.40
HAR569	Twentieth-Century Roses Peter Beales (\$50.00)	47.50	27.50

Special Plants/Special Situations

DAV628	The Art of Indoor Bonsai John Ainsworth (\$24.95)	23.70	20.95
TIM033	Azaleas, Enlarged Edition Galle (\$65.00)	61.75	55.25
TIM017	Account of the Genus Meconopsis Taylor (\$25.00)	23.75	21.25
DAV020	African Violets Clements (\$22.95)	20.85	18.50
PRI031	African Violets & Other Gesneriads (Select & Grow) Theodore James Jr. (\$12.95) <i>paper</i>	12.30	10.95
TIM032	Aroids: Plants of the Arum Family Bown (\$44.95)	42.70	38.20
DAV021	Art of Bonsai Adams (\$17.95) <i>paper</i>	16.95	15.25
TIM036	Bonsai: Its Art, Science, History & Philosophy Koreshoff (\$39.95)	37.95	33.95
TIM034	Bamboos of China Wang Dajun (\$21.95)	20.85	18.50
TIM609	Cacti for the Connoisseur Pilbeam (\$44.95)	42.70	38.20
TIM538	Carnivorous Plants of the World Pietropaolo (\$29.95)	28.45	25.45
TIM040	Chinese Penjing Hu Yunhua (\$39.95)	37.95	33.95
DAV025	Chrysanthemums: Complete Guide Locke (\$29.95)	28.45	25.45
CAP658	Clematis Barry Fretwell (\$24.95)	23.70	21.25

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
DAV030	Conservatory: Planning, Planting, Furnishing Toogood (\$17.95) <i>paper</i>	16.95	15.25
TIM038	Camellias Chang Hung Ta (\$29.95)	28.45	25.45
TIM003	Campanulas Lewis & Lynch (\$29.95)	28.45	25.45
TIM039	Cattleyas & Their Relatives, Vol. 1 Withner (\$29.95)	28.45	25.45
CAP676	Clematis Christopher Lloyd (\$32.50)	30.95	27.65
DAV026	Complete Book of Orchid Growing Black (\$19.95)	18.95	16.95
DAV027	Complete Book of Plant Propagation Wright & Titchmarsh (\$15.95) <i>paper</i>	14.95	13.50
WOR571	The Complete Book of Topiary Barbara Gallup & Deborah Reich (\$10.95)	10.40	9.30
DAV028	Complete Book of the Greenhouse Walls (\$34.95)	33.20	29.70
DAV029	Complete Guide to Fruit Growing Blackburne-Maze (\$22.95)	21.80	19.50
ROD001	The Complete Guide to Pruning Patrick Johns (\$24.95)	23.70	20.95
TIM045	Crocus Mathew (\$50.00)	47.50	42.50
TIM026	Crocus & Colchicum for Gardeners (Handbook of) Bowles (\$27.00)	25.65	22.95
TIM046	Daffodils Barnes (\$23.95)	22.75	19.95
DAV033	Dahlias: Complete Guide Damp (\$29.95)	28.45	25.45
TIM530	Daylilies Stout (\$29.00)	27.55	24.65
DAV034	Delphiniums: Complete Guide Edwards (\$29.95)	28.45	25.45
TIM048	Dolomites Farrer (\$11.95) <i>paper</i>	11.35	9.95
SIM011	The Essential Guide to Perfect Houseplants Seddon, Bicknell & Dickson (\$14.95) <i>paper</i>	14.20	12.70



Twentieth-Century Roses

Peter Beales

Illustrated with more than 400 color photographs, many from the author's world-renowned nursery. The most authoritative and comprehensive work ever devoted to this century's hybrid roses.

retail: \$50.00 AHS members pay only: \$27.50

order code: HAR569

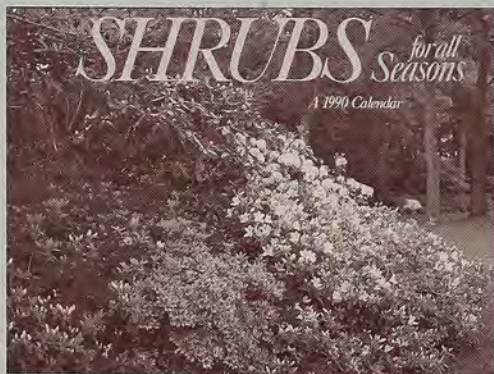
**Save 45%
(members-only special)**

SIM012	The Essential Guide to Perfect Houseplants Seddon, Bicknell & Dickson (\$24.95)	23.70	20.95
TIM052	Essentials of Bonsai Shufunotomo (\$14.95)	14.20	12.70
HAR001	Exotic Fruits A-Z Josephine Bacon (\$14.95)	14.20	12.70
HAR002	Exotic Vegetables A-Z Josephine Bacon (\$14.95)	14.20	12.70
TIM053	Ferns to Know and Grow Foster (\$29.95)	28.45	25.45
DAV037	Fragrant Garden Sanecki (\$45.00)	42.75	38.25
SIM015	The Frampton Flora Richard Mabe (\$25.00)	23.75	21.25
GAR007	From Vines to Wines Jeff Cox (\$10.95) <i>paper</i>	10.40	9.30
STE016	The Fuchsia Growers Handbook Ron Ewart (\$16.95)	15.95	14.40
DAV038	Fuchsias Bartlett (\$29.95)	28.45	25.45
ROD503	Garden Birds: How to Attract Birds to Your Garden Dr. Noble Proctor (\$21.95)	20.85	18.50
GAR044	Garden Way's Practical Beekeeping (\$8.95) <i>paper</i>	8.50	7.60
TIM006	Genus Lewisia Mathew (\$29.95)	28.45	25.45
DAV050	Geraniums & Pelargoniums Taylor (\$29.95)	28.45	25.45
DAV051	Geraniums for Home & Garden Shellard (\$22.95)	21.80	19.50

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
STE017	The Grafters Handbook R.J. Garner (\$19.95)	18.95	16.95
SIM658	The Greenhouse Gardener Toogood (\$6.95) <i>paper</i>	6.50	5.85
DAV056	Growing & Showing Chrysanthemums Brook (\$12.95)	12.30	10.95
DAV061	Handbook of Greenhouse & Conservatory Plants Swithinbank (\$29.95)	28.45	25.45
TIM446	Hardy Geraniums Yeo (\$39.95)	37.95	33.95
TIM007	Hemerocallis, The Daylily Munson (\$39.95)	37.95	33.95
SIM022	Home Orchid Growing Rebecca Northen (\$40.00)	37.95	33.95

Attention Non-Members! Before ordering, consider your savings by joining AHS. Just \$35 a year. Full benefits next page.

TIM602	The Hosta Book Aden (\$29.95)	28.45	25.45
TIM089	Hebes and Parahebes Chalk (\$32.95)	31.30	27.95
CRO543	The Indoor Garden Book John Brookes (\$27.50)	26.25	23.45
TIM093	Iris Kohlein (\$37.95)	36.05	32.25
HAR019	The Indoor Garden Kitchen Joy O. I. Spoczynska (\$14.95)	14.20	12.70
DAV068	Jobba & Yucca Bloomfield (\$6.95) <i>paper</i>	6.50	5.85
TIM095	Kalmia, The Laurel Book II Jaynes (\$29.45)	28.45	25.45
TIM098	Lilacs: The Genus Syringa Fiala (\$59.95)	56.95	50.95
TIM099	Lilies of China Haw (\$29.95)	28.45	25.45
DAV072	Lily: For Garden, Patio & Display Jefferson-Brown (\$29.95)	28.45	25.45
TIM616	Miniature & Dwarf Geraniums Bagust (\$32.95)	31.30	27.95
TIM668	Modern Miniature Daffodils Wells (\$34.95)	33.20	29.70
TIM008	Meconopsis Cobb (\$29.95)	28.45	25.45
SIM026	Mushrooms & Other Fungi (\$8.95)	8.50	7.50
TIM027	Narcissus (Handbook of) Bowles (\$27.00)	25.65	22.95
TIM108	Orchids: A Kew Gardening Guide Stewart (\$19.95)	18.95	16.95
SIM028	Orchids and How to Grow Them Sessler (\$24.95)	23.70	20.95
DAV076	Ornamental Grasses Grounds (\$39.95)	37.95	33.95
ODY677	Odyssey Book of Houseplants Libby Rich (\$19.95)	18.95	16.95



AHS 1990 Shrubs for all Seasons Calendar

Extra large 10¾" x 14" format! Highlights several spectacular shrubs each month, along with cultural information, hardiness zones, botanical names, and companion plants.

Just \$1.00 with book order over \$20—extra copies just \$3.00 each. See order form, page 12.

Special offer—\$1.00!

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
STE015	The Orchid Growers Handbook I. D. James (\$12.95)	12.30	10.95
TIM009	Outstanding American Bonsai Clark (\$29.95)	28.45	25.45
TIM111	Pelargoniums: A Kew Gardening Guide Clark (\$19.95)	18.95	16.95
DAV084	Practical Book of Greenhouse Gardening Menage (\$17.95) <i>paper</i>	16.95	15.25
SIM033	Pruning Christopher Brickell (\$10.95) <i>paper</i>	10.40	9.30
GAR511	Pruning Simplified Lewis Hill (\$12.95) <i>paper</i>	12.30	10.95
TIM112	Penjing: Chinese Art of Miniature Gardens Hu Yunhua (\$39.95)	37.95	33.95
DAV085	Primulas Old & New Wemyss-Cooke (\$30.95)	29.40	26.30
TIM029	Rock Garden and its Plants Thomas (\$34.95)	33.20	29.70
SIM037	Rock Gardens and Alpine Plants Joyce (\$6.95) <i>paper</i>	6.50	5.85
TIM122	Rock Gardening Foster (\$22.95) <i>paper</i>	21.80	19.50
TIM123	Rocky Mountain Alpines Williams (\$35.00)	33.25	29.75
TIM124	Saxifrages & Related Genera Kohlein (\$34.95)	33.20	29.70
SIM039	Seaside Gardening Susan S. H. Littlefield (\$12.95) <i>paper</i>	12.30	10.95
TIM125	Siberian Irises McEwen (\$7.00) <i>paper</i>	6.65	5.95
DAV091	Smaller Bulbs Mathew (\$49.95)	47.45	42.45
DAV093	Successful Greenhouse Gardening Edwards (\$22.95)	21.80	19.50
TIM126	Sulcorebutia & Weingartia: Collector's Guide Pilbeam (\$32.95)	31.30	27.95
DAV094	Sunday Times Book of Woodland & Wildlife Gardening Rose (\$24.95)	23.70	20.95
TIM131	Tropicals Courtright (\$35.95)	33.95	30.50
TIM127	Terrace Gardener's Handbook Yang (\$13.95) <i>paper</i>	13.25	11.85
HAR003	Uncommon Fruits and Vegetables Elizabeth Schneider (\$16.95) <i>paper</i>	15.95	14.40
RAN026	Wild Orchids of Britain & Europe Davies & Huxley (\$17.95) <i>paper</i>	16.95	15.25
ABB003	World Wildlife Book of Orchids Jack Kramer (\$65.00)	61.75	55.25

Travel & Foreign Gardens

PEA002	Classic Savannah: History, Homes & Gardens William Mitchell (\$35.00)	33.25	29.75
DAV035	Dream Gardens: A Magical Corner of England Russell (\$29.95)	28.45	25.45
RAN016	Flowers of the Mediterranean (\$15.95) <i>paper</i>	14.95	13.50
TIM499	Gardens of North America and Hawaii Jacob (\$24.95)	23.70	20.95
MAC014	Gardens of China Morris (\$40.00)	37.95	33.95
PEA001	Gardens of Georgia William Mitchell (\$50.00)	47.50	42.50
TIM061	Gardens of San Francisco Hockaday (\$39.95)	37.95	33.95
SIM019	Gardens of the South (\$35.00)	33.25	29.75
TIM005	Gardens of the World Eliovson (\$54.95)	52.20	46.70
DAV067	In a Gloucestershire Garden Ellacombe (\$11.95) <i>paper</i>	11.35	9.95
GLO012	Rose Gardens of England Michael Gibson (\$21.95)	20.85	18.50
DAV089	Shell Guide to the Gardens of England & Wales Hollis (\$34.95)	33.20	28.70

Trees & Shrubs

TIM044	Conifers, 2nd Edition van Gelderen (\$65.00)	61.75	55.25
TIM047	Cultivated Hemlocks Swartley (\$24.95)	23.70	20.95
DAV048	Gardening with Trees Kinahan (\$29.95)	28.45	25.45
TIM068	Getting Started with Rhododendrons & Azaleas Clarke (\$14.95) <i>paper</i>	14.20	12.70
DAV041	Garden Trees Book Carr (\$22.95)	21.80	19.50
TIM060	Gardening with Dwarf Trees and Shrubs Bartels (\$32.95)	31.30	27.95
TIM094	Japanese Maples, 2nd Edition Vertees (\$40.00)	37.95	33.95
DAV070	Leaves: For All-Year Round Colour & Interest Jefferson-Brown & Glover (\$24.95)	23.70	20.95
TIM506	Manual of Cultivated Conifers Krussmann (\$65.00)	61.75	55.25
TIM102	Manual of Broad-Leaved Trees & Shrubs, Vol. 1 Krussmann (\$65.00)	61.75	55.25

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
TIM103	Manual of Broad-Leaved Trees & Shrubs, Vol. 2 Krussmann (\$65.00)	61.75	55.25
TIM104	Manual of Broad-Leaved Trees & Shrubs, Vol. 3 Krussmann (\$65.00)	61.75	55.25
STI001	Manual of Woody Landscape Plants: 4th Edition Michael A. Dirr (\$39.80)	37.80	33.80
STI002	Manual of Woody Landscape Plants: 4th Edition Michael A. Dirr (\$31.80) <i>paper</i>	30.20	26.95
TIM109	Ornamental Conifers Grace (\$34.95)	33.20	29.70
TIM117	Plants that Merit Attention, Vol. 1: Trees Poor (\$44.95)	42.70	38.20
TIM120	Rhododendron Hybrids Salley & Greer (\$55.00)	52.25	46.75
TIM121	Rhododendron Species Vol. 1: Lepidotes Davidian (\$59.95)	56.95	50.95
TIM010	Rhododendron Species, Vol. 2 Pt. 1, Elepidotes Davidian (\$54.95)	52.20	46.70
RAN636	Shrubs Phillips (\$19.95) <i>paper</i>	18.95	16.95
SIM040	Shrubs and Small Trees Stuart (\$6.95) <i>paper</i>	6.50	5.85
TIM443	Smaller Rhododendrons Cox (\$29.95)	28.45	25.45
TIM130	Trees & Shrubs for Temperate Climates, 3rd Edition Courtright (\$45.00)	42.75	38.25
MAC029	Tree Care Haller (\$16.95) <i>paper</i>	15.95	14.40
OXF002	Tree Maintenance (Sixth Edition) P. P. Pirone, et al. (\$45.00)	42.75	38.25
DAV096	Tree Surgery Bridgeman (\$22.95)	21.80	19.50
PRI023	Trees & Shrubs Derek Fell (\$12.95) <i>paper</i>	12.30	10.95
TIM011	Trees & Shrubs for Pacific Northwest Gardens Grant, et al. (\$29.95)	28.45	25.45
TIM129	Trees and Shrubs Grace (\$24.95)	23.70	20.95
TIM012	Trees of Georgia & Adjacent States Brown & Kirkman (\$34.95)	33.20	29.70

Vegetables

GAR015	A to Z Hints for the Vegetable Gardener 10,000 Members of Men's Garden Clubs (\$5.95) <i>paper</i>	5.65	4.95
GAR016	The Beautiful Food Garden Kate Rogers Gessert (\$12.95) <i>paper</i>	12.30	10.95
GAR017	Better Vegetables the Chinese Way Peter Chan (\$9.95) <i>paper</i>	9.45	8.50
GAR018	Blue Corn and Square Tomatoes Rebecca Rupp (\$9.95) <i>paper</i>	9.45	8.50
GAR022	Carrots Love Tomatoes Louise Riotte (\$7.95) <i>paper</i>	7.50	6.75
SIM654	The Complete Vegetable Gardener's Sourcebook Duane & Karen Newcomb (\$14.95) <i>paper</i>	14.20	12.70
ROD003	The Cook's Garden Shepherd & Ellen Ogden (\$19.95)	18.95	16.95
ROD004	The Cook's Garden Shepherd & Ellen Ogden (\$14.95) <i>paper</i>	14.20	12.70
GAR024	Down to Earth Vegetable Gardening Know-How Dick Raymond (\$7.95) <i>paper</i>	7.50	6.75
GAR612	Growing and Saving Vegetable Seeds Garden Way Staff (\$7.95) <i>paper</i>	7.50	6.75
DAV060	Growing Tomatoes Walls (\$34.95)	33.20	29.70
GAR027	Grow Your Own Chinese Vegetables Geri Harrington (\$8.95) <i>paper</i>	8.50	7.60
DAV059	Growing & Showing Vegetables Fenton (\$12.95)	12.30	10.95
ROD575	How to Grow Vegetables Organically Jeff Cox, et al. (\$21.95)	20.85	18.50
JWI592	Knott's Handbook for Vegetable Growers Oscar Lorenz & Donald Maynard (\$27.95)	26.55	23.75
PRI022	Vegetables: How to Select, Grow & Enjoy Derek Fell (\$12.95) <i>paper</i>	12.30	10.95

Water Gardens

TIM119	Pool & Waterside Gardening: A Kew Guide Robinson (\$17.95)	16.95	15.25
DAV097	Water Gardens Llewellyn (\$34.95)	33.20	29.70
HOL007	Waterlilies & Other Aquatic Plants Robinson (\$29.95)	28.45	25.45

Membership Benefits

Joining the American Horticultural Society brings you fantastic savings on hundreds of garden titles—but *that's just the beginning!* As a member, you'll also receive a valuable benefits package, including:

- ◆ **American Horticulturist Magazine**—bimonthly with explosive color! America's favorite magazine for serious gardeners. An indispensable resource.
- ◆ **American Horticulturist News Edition**—bimonthly and timely. Here's all the how-to (when, where, and why) help you'll ever need for your garden or gardening interests.
- ◆ **Free Seed Catalog**—members (only) can choose up to 15 packets of seed absolutely free from our extensive catalog of exciting and unusual varieties. Valued at over \$20 alone!
- ◆ **Gardener's Information Service**—a toll-free hotline to help answer your most difficult gardening questions: locating plant sources; garden and plant care; flower show and gardening event information, and more.
- ◆ **Free and Discount Admissions**—your membership card is a passport to free and discounted admission to botanical gardens and arboreta throughout North America.
- ◆ **Travel and Tours**—exclusive opportunities to visit the world's great gardens with AHS tour directors and horticulturists. Specially-priced packages available!
- ◆ **Meetings, Symposia, Special Projects, Regional Activities**, and much, much more!

All of these outstanding benefits for just \$35 per year. See the membership line on the order form (page 12) to start saving on your first book purchases!

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
------------	------------------------------	----------------	--------------

Wildflowers, Natives & Natural Gardens

TIM041	Collecting, Processing & Germinating Wildland Seed Young (\$24.95)	23.70	20.95
HOL004	Country Diary Book of Creating a Wildflower Garden J. Andrews (\$19.95)	18.95	16.95
FAL003	Forest Wildflowers Dr. Lee Strickler (\$7.95) <i>paper</i>	7.50	6.75
GAR458	A Garden of Wildflowers Henry W. Art (\$12.95) <i>paper</i>	12.30	10.95
WAS614	Gardening with Native Plants of the Pacific N.W. Arthur R. Kruckeberg (\$22.50)	21.30	18.95
UNC410	Growing & Propagating Wildflowers Harry R. Phillips (\$24.95)	23.70	21.25
UNC411	Growing & Propagating Wildflowers Harry R. Phillips (\$14.95) <i>paper</i>	14.20	12.75
MAC015	Growing Wildflowers Sperka (\$10.95) <i>paper</i>	10.40	9.30
HOU011	How to Know the Wildflowers Mrs. William Starr Dana (\$19.95)	18.95	16.95
RAN649	The Natural Garden Ken Druse (\$35.00)	33.25	29.75
ROD590	The Naturalist's Garden Ruth Shaw Ernst (\$19.95)	18.95	16.95
LIT454	Newcomb's Wildflower Guide Lawrence Newcomb (\$24.95)	23.70	21.25
LIT455	Newcomb's Wildflower Guide Lawrence Newcomb (\$14.95) <i>paper</i>	14.20	12.75
MCG675	Ornamental Grasses Carole Ottesen (\$29.95)	28.45	25.45
GAR013	Peterson First Guides—Wildflowers Roger Tory Peterson (\$3.95) <i>paper</i>	3.75	3.30
MAC027	Pods: Wildflowers and Weeds in Their Final Beauty Embertson (\$16.95) <i>paper</i>	15.95	14.40
FAL002	Prairie Wildflowers Dr. Lee Strickler (\$7.95) <i>paper</i>	7.50	6.75
LON631	Southern Wildflowers Laura Martin (\$29.95)	28.45	25.45
SIM056	Wild Gardening Richard L. Austin (\$12.95) <i>paper</i>	12.30	10.95

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
EAS001	The Wildflower Meadow Book: A Gardener's Guide Laura C. Martin (\$18.95)	17.95	15.95
ABB587	Wildflowers Across America Lady Bird Johnson & Carlton Lees (\$39.95)	37.95	33.95
GAR043	The Wildflower Gardener's Guide Henry W. Art (\$11.95) <i>paper</i>	11.35	10.15
IND635	Wildflowers of Indiana Maryrose Wampler (\$45.00)	42.75	38.25
IOW632	Wildflowers of Iowa Woodlands Sylvan T. Runkel & Alvin F. Bull (\$17.95)	16.95	15.25
IOW633	Wildflowers of the Tall Grass Prairie Sylvan T. Runkel & Dean M. Roosa (\$24.95)	23.70	21.25
SIM057	Wildflowers and Weeds Booth Courtenay & J. H. Zimmerman (\$12.95) <i>paper</i>	12.30	10.95
HOL002	Wild Food Trailguide Alan Hall (\$9.95) <i>paper</i>	9.45	8.45
DAV098	Wild Garden Robinson (\$13.95) <i>paper</i>	13.25	11.85
RAN025	Wildlife Gardener Dennis (\$19.95)	18.95	16.95

Young Readers

LER012	An Apple Tree Through the Year (ages 9 & up) Claudia Schnieper (\$12.95)	12.30	10.95
LER013	An Apple Tree Through the Year (ages 9 & up) Claudia Schnieper (\$5.95) <i>paper</i>	5.50	4.95
LER014	Arbor Day (ages 9 & up) Diane L. Burns (\$8.95)	8.50	7.50
WOR001	Backyard Explorer Kit (2 Books & Materials) Rona Beame (\$9.95) <i>paper</i>	9.45	8.45
LER024	Beans & Peas Miller (\$9.95)	9.45	8.45
GLO011	Botany for All Ages Jorie Hunken (\$11.95) <i>paper</i>	11.35	10.15
LER001	Cactus (ages 4-8) Cynthia Overbeck (\$12.95)	12.30	10.95
LER002	Cactus (ages 4-8) Cynthia Overbeck (\$5.95) <i>paper</i>	5.50	4.95
FAL001	California Wildflowers: Children's Field Guide Beverly Magley (\$4.95) <i>paper</i>	4.70	3.95

Order Code	Title, Author (Retail Price)	Discount Price	Member Price
LER003	Carnivorous Plants (ages 4-8) Cynthia Overbeck (\$5.95) <i>paper</i>	5.50	4.95
LER004	Carnivorous Plants (ages 4-8) Cynthia Overbeck (\$12.95)	12.30	10.95
ACR001	A Child's Organic Garden Lee Fryer & Leigh Bradford (\$14.95)	14.20	12.70
LER025	Citrus Fruits Wake (\$9.95)	9.45	8.45
LER011	Fir Trees (ages 9 & up) Heiderose & Andreas Fischer-Nagel (\$12.95)	12.30	10.95
LER016	The Flower Book Orange (\$6.95)	6.50	5.85
WOR003	The Garden Book & the Greenhouse (Complete Kit) Wes Porter (\$9.95) <i>paper</i>	9.45	8.45
LER017	The Greenhouse Effect Sylvia A. Johnson (\$15.95)	14.95	13.50
LER005	How Leaves Change (ages 4-8) Sylvia A. Johnson (\$12.95)	12.30	10.95
LER006	How Leaves Change (ages 4-8) Sylvia A. Johnson (\$5.95) <i>paper</i>	5.50	4.95
LER008	How Seeds Travel (ages 4-8) Cynthia Overbeck (\$12.95)	12.30	10.95
LER018	I Found a Leaf Lerner (\$5.95)	5.50	4.95
LER019	The Leaf Book Orange (\$6.95)	6.50	5.85
LER020	Morning Glories Sylvia A. Johnson (\$12.95)	12.30	10.95
LER007	Mosses (ages 4-8) Sylvia A. Johnson (\$5.95) <i>paper</i>	5.50	4.95
LER009	Mosses (ages 4-8) Sylvia A. Johnson (\$12.95)	12.30	10.95
LER010	Mushrooms (ages 4-8) Sylvia A. Johnson (\$12.95)	12.30	10.95
LER021	Out on a Limb: Riddles About Trees & Plants Peterson (\$6.95)	6.50	5.85
LER022	Sunflowers Cynthia Overbeck (\$12.95)	12.30	10.95
HOU573	Sunflowers Waters (\$12.95) <i>paper</i>	12.30	10.95
LER023	The Vegetable Book Cynthia Overbeck (\$6.95)	6.50	5.85
LER015	Vegetables Wake (\$9.95)	9.45	8.45

Book Order Form

Order Code	Quantity	Book Title	Price Each	Total Amount
		AHS Membership—1 year (Start using member prices now!)	\$35.00	
		1990 Calendar Offer	\$ 1.00	
			Postage & Handling	
			TOTAL	

Please add \$2.50 *per book* for postage and handling. VA residents add 4½% sales tax. Please allow four to six weeks for delivery. Longer for imports or specialty reference works. Prices subject to change without notice.

Enclosed is my check for \$ _____ Ship to: _____
 Charge to: Visa MasterCard Expiration Date _____ Street: _____
 Acct. # _____ City: _____
 Signature _____ State: _____ Zip: _____

Mail to: AHS Book Service, 7931 East Boulevard Drive, Alexandria, VA 22308
 (703) 768-5700 or (800) 777-7931

(90SC)

dendron aralioides), dwarf evergreen oaks, small-leaved rhododendrons, and such dwarf conifers as the 'Fletcheri' Douglas fir and the 'Adpressa' redwood.

Behind the house is a steep bank that descends eventually to Puget Sound and an area of Northwestern natives. The bank has a brutal western exposure, with the summer sun directly overhead and searing reflections from the sound and the walls of the house. Shrubs cover this bank effectively. Different species of *Podocarpus* or dwarf forms of the evergreen *Lithocarpus* provide varying shades of green; color is found in the foliage of *Rubus tricolor* and the species and hybrids of the blue-flowered *Ceanothus*. The native salal also does well in the sun, producing white flowers, reddish leaves, and striking black fruit. *Arctostaphylos uva-ursi* 'Point Reyes' and *Cotoneaster microphyllus* 'Cochlearius' display small but brilliant red fruits. *Xanthorhiza simplicissima* has dissected foliage that is a brilliant yellow in the fall; *Ceratostigma plumbaginoides* brings accents of blue. Near the edge of the asphalt Miller has *Rosa rubrifolia* with its glaucous purplish foliage and bright red oval hips. Even a propensity for developing fuzzy yellow galls does not diminish the value of this shrub. Finally, *Rubus calycinoides* from Formosa serves as a tough ground cover that creeps out on the pavement.

The orchard area to the west of this bank is the most recent development. Here one finds outstanding examples of evergreen oaks, interesting willows, the spectacular bark of *Acer ginnala*, *Parrotiopsis jacquemontiana*, *Syringa reflexa*, and *Parrotia persica*. When in full fruit, *Garrya elliptica* catches the eye, as does an unusual *Ginkgo biloba* with elongated narrow leaves. An old *Malus sargentii* was an unexpected find and is perhaps the best plant of its kind in any American garden. It is always exciting to find a southern beech (*Nothofagus*), and here one can see *N. antarctica*, *N. dombeii*, and *N. procera* from South America grown as specimen trees. Brilliant fall color will be found in *Cladrastis sinensis*, *Rhus trichocarpa*, *Acer truncatum*, *A. japonicum* 'Aconitifolium', *Disanthus cercidifolius*, *Enkianthus campanulatus*, and *Fothergilla major*.

Ground covers keep the orchard's soil cool by foliage transpiration. *Waldsteinia ternata* is one of Miller's favorites, for the plants are tough underfoot and their foliage does not detach but decomposes to

How Has Her Garden Grown?

Betty Miller observes that it is difficult to teach others how planting is done. She maintains that it is basically a matter of common sense—not so much how, but what and where and when. An appreciation of art and a good sense of texture are important, for most plants can be admired in bloom for a relatively short period of time. Consider how they will look the rest of the year: the form and texture, the bark, the shade of green and its intensity, the stages of expansion and development. If your choice of plant or its location or care is not right, it soon becomes evident: the plant will tell you so. Then act promptly.

The Seattle area might seem to have an abundance of mist or rain or cloudy weather, but in Miller's garden, where good drainage has been developed, watering is a major concern. With such closely planted treasures, moving a length of hose is a careful operation. Sprinkler systems won't do, for the requirements of plants vary. Spring foliage under sprinklers often becomes soft and more succulent to insects. Miller uses soaker heads placed close to the ground. "Soak the area," is the instruction given, "don't just wet the ground."

Miller has found that it's important for air to move through the plantings, enough so that the branches themselves move. Stagnant air pockets slow the plant's growth and create a haven for fungi and insect masses. It is often necessary to remove branches or thin the higher vegetation to get healthy circulation. Spraying a fungicide or insecticide is an action of last resort. If this is not successful, the plant is

burned in order to prevent the spread of disease. This has happened only half a dozen times in nearly fifty years.

The garden abounds with wildlife, which some gardeners would consider pests. Rodents do pull out labels, yet they create drainage holes with their tunnels. Miller sometimes competes with the birds and rodents for mature fruits and seeds. "Plant enough for both of you," is her suggestion. Chipmunks and some birds plant many of the seeds they harvest, and certain seeds need to pass through a digestive system in order to germinate. Several of Miller's prize specimen plants are from these sources. The snakes and lizards are helpful; the raucous jays remove caterpillars, presumably to feed their young; lady bugs control aphids.

How does she keep track of all her plants? Initially a tan-colored metal label was hinged on a stout wire so it could be lifted or lowered to protect the writing on the underside. That label carried the names of as many as six plants in the immediate vicinity. At times only Miller knew which was which. Next she tried a plastic label pre-bent to forty-five degrees from the vertical, fluted for strength, and pointed near the base. These have survived for twenty years but are fading. Most recently Miller has acquired three-eighths-inch strips of rigid aluminum used in making storm window frames. These can be cut to the desired length and sharpened for insertion. Once inscribed, they are dipped in an exterior acrylic emulsion paint, Rho-plex AC.235. The label can be pushed almost to ground level beside the plant and remain inconspicuous.

form a mat that enriches the soil. Other ground covers produce a loose, friable soil that retains moisture and seems to aid air absorption. Outstanding in this regard are species of coral-bells (*Heuchera*). In large areas *Vancouveria chrysantha* and *V. planipetala* 'Prostrata', with its very small, shiny foliage, are used along with *Epimedium perralderanum* and *Rubus tricolor*.

Miller has recently started a small marsh

garden by lining a shallow excavation with plastic. A lazy-S walkway winds through small ornamental grasses, sedges, and lilies, including *Imperata cylindrica* var. *rubra*, *Uncinia rubra*, and *Ophiopogon planiscapus* 'Nigrescens'. The handsome *Blechnum tabulare* serves as background. A prostrate *Gunnera hamiltonii*, an endangered plant in its native New Zealand, is thriving. The Asian skunk cabbage (*Lysichiton camtschatcense*) with its opaque

white spathes, can be seen among plants of *Ledum glandulosum*, *Kalmia microphylla*, and *Philesia magellanica*.

Miller's garden has developed in phases. The heath family first intrigued her; then her interest turned to ferns, then to gymnosperms and ground covers. She has no favorites now, but enthusiastically points out one gem after another. She has a story for each. Korean fir (*Abies koreana*) with its perpendicular cones is as much admired as the smallest conifer, mountain rimu (*Dacrydium laxifolium*). A group of club moss species (*Selaginella*) next catches her eye. She defies you to find the minute cones on a Jack pine fifteen years old but only two and a half feet high. An ash (*Sorbus poteriifolia*) ten years old and a mere four inches high produces pink flowers and white fruits. A green mat of the tiniest white and purple-veined violets (*Viola verecunda* var. *yakusimana*) is everyone's spring favorite, yet no one to whom Miller has given plants can make them grow. Miller moves on to note the spectacular blue fruits of *Billardiera longiflora*, which derives its name from the long yellow petals. I suspect my favorite is either *Gaultheria miqueliana* with its white fruits or *Gaultheria adenothrix* with crimson fruits; or perhaps it is the *Stauntonia hexaphylla* covering the trellis on the patio, or maybe the *Vitis vinifera* 'Purpurea' transmitting such a lovely hue of sunlight! But every visitor to Miller's garden has his own.

All gardens have work areas and accessory buildings. Those in Miller's garden are inconspicuous. An area for plant propagation and the houses that serve as nurseries for young plants are hidden away in the plantings. Seeds are started in clay pots, which in turn are submerged to the lip in sand, soil, or mulches. During the summer, a slat house contains a collection of vireya rhododendrons. These, too, are in clay pots mulched deep in redwood bark but with the threat of a freeze, moved to closed houses where the temperature can be kept at 35° F by electric heaters while the air is circulated by small, low-speed fans.

The Seattle area suffered a disastrous freeze in the winter of 1988-89. There was great damage to plants in this neighborhood, even to the commonly planted cherry laurel (*Prunus laurocerasus*). The temper-

ature fell to 10° F with a snow cover, but the real damage was done in the following three weeks by a great fluctuation in the temperature and dehydrating winds. Miller characteristically has held off severe pruning to see how the plants respond. When asked what she lost, she replies that she hasn't given up on any plant yet. Some obviously will require heavy pruning or replacement, while others will not only survive but recover much of their form. Her patience is apparently being rewarded, for Miller observes that never has the Indian pipe (*Monotropa uniflora*) been so abundant.

Looking to the future, Miller wants her garden continued and has chosen landscape architect and nurseryman Ken Gambrell as curator. The plant records of the garden, now on cards or in notebooks, are being placed in a database for easier accessibility. Recently the entire garden was surveyed, and Miller is mapping the lo-

cation of each plant in her collection, with the help of horticulturists Mareen Kruckeberg and Joseph Bishop. It is hoped that each one also will be documented by a herbarium specimen. The garden will be privately and perpetually endowed, maintained as it is at present, and open to visitors by advance appointment. A board of knowledgeable people has been selected to guide the future of this remarkable collection.

Down in one corner of the orchard is a very large stand of clovers in a predominantly four-leafed form. Most visitors take a leaf in the hope that it can bring them the same good fortune with their gardening as Miller has had with hers.

Richard Howard is vice president for Botanical Science at the New York Botanical Garden. A visit to Betty Miller's garden is among the activities scheduled for the 1990 American Horticultural Society Annual Meeting.

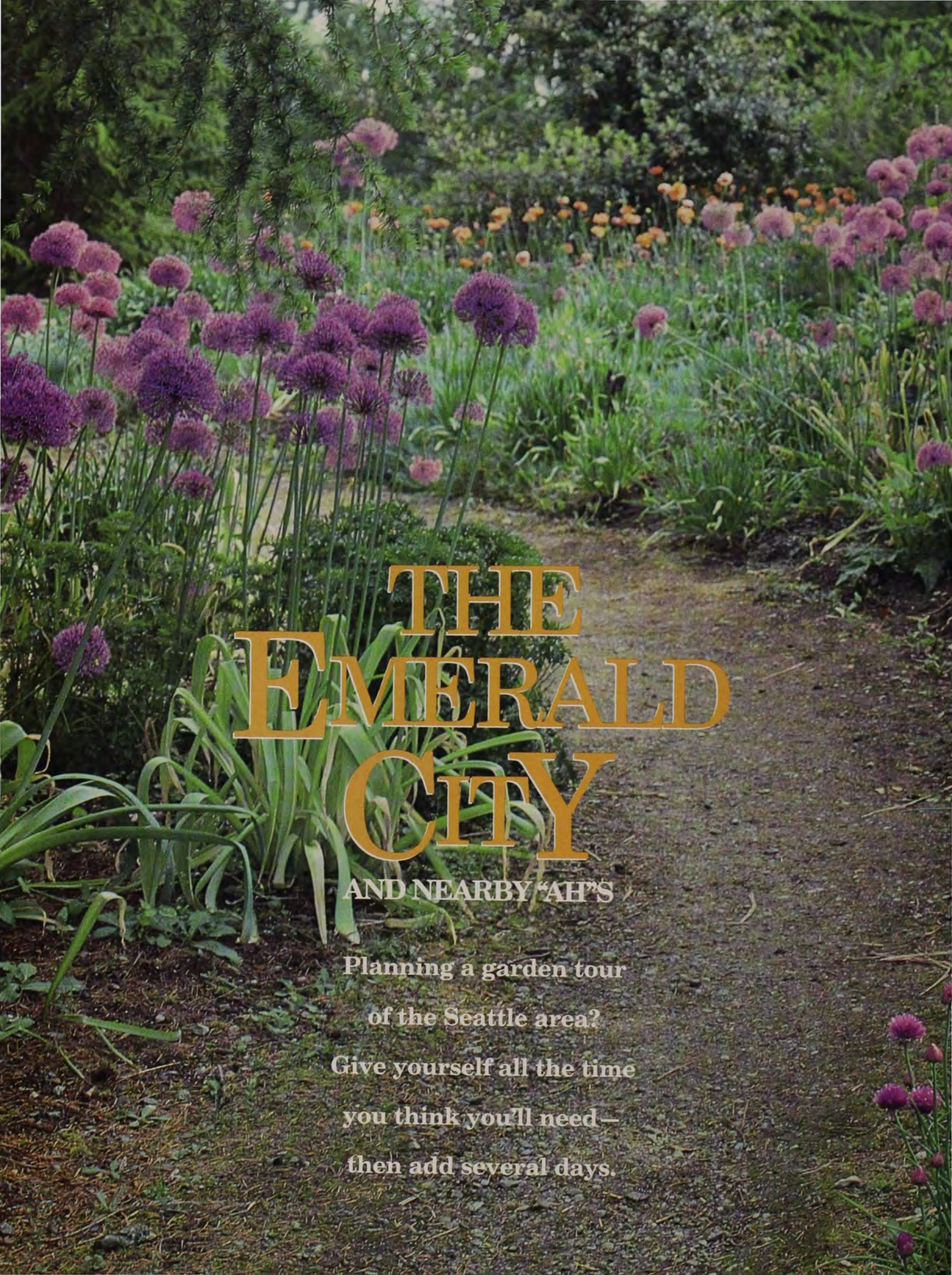
A Lady of Myriad Achievements

A look at the horticultural accomplishments and environmental contributions of Elisabeth Carey Miller makes it difficult to believe she was ever a novice gardener who struggled with petunias and 'Gumpo' azaleas. She was a founder of the Washington State Roadside Council, where her service and influence on the horticulture of roadsides and parks is legendary. The Roadside Council and Miller are credited with shaping the model act that controls billboards. She was a horticultural consultant for Seattle's noted Operation Triangle, which mapped out plantings for traffic islands throughout the city. She served as horticulturist for Lawrence Halprin's landscaping of Seattle's Freeway Park, and has written and lectured on the need to know the pollution tolerances of plants chosen for urban, environmentally stressed locations. For many years Miller was a collaborator of the late Carl S. English Jr. in his landscaping of the Hiram M. Chittenden Locks, and they shared plant introductions. She was instrumental in raising private funds contributed to the horticultural improvements along the Lake Washington Ship Canal.

Miller served as an adviser to the Arbor Fund, then responsible for administering the Bloedel Reserve on Bainbridge Island as a resource for the University of Washington. It is now an independent foundation and open to the public. She helped with the difficult transition of the University of Washington's Arboretum to Washington Park and the Center for Urban Horticulture. She was among the founders of the Rhododendron Species Foundation and the Northwest Ornamental Horticultural Society. She was awarded a gold medal from the International Botanical Congress for her role in their 1969 exhibit of Ericaceous plants. At the national level Miller has been active in the American Association of Botanical Gardens and Arboreta, the American Horticultural Society, and the Garden Club of America. Her garden and civic contributions have earned her two gold medals from the Garden Club of America, including the Natalie Peters Webster Gold Medal; her awards from the American Horticultural Society include its highest, the prestigious Liberty Hyde Bailey Gold Medal Award, which she received in 1988.

Far right: Billardiera longiflora has spectacular blue fruit, but its name comes from its long yellow blooms (see page 46).



A photograph of a garden path. The path is made of dark gravel and leads through a dense garden. On the left side of the path, there are tall, thin green stalks topped with large, round, purple flowers. In the background, there are more flowers, including some orange ones, and a large, dark green tree or shrub. The overall scene is a vibrant and well-maintained garden.

THE EMERALD CITY

AND NEARBY "AH'S"

Planning a garden tour
of the Seattle area?

Give yourself all the time
you think you'll need—
then add several days.





BY TED MARSTON

Echoing the song from the Rogers and Hammerstein musical "Carousel," June in the Pacific Northwest is always "busting out all over" in garden color.

Rhododendrons and other broadleaf evergreens, pride of the area, are still in full regalia; perennials are coming on strong, and roses should be at their peak. Those who trek to the American Horticultural Society's Annual Meeting, June 19-22, will want to plan extra days either before or after to taste nearby garden delights not on the program.

Be assured that the much vaunted rainy weather comes mainly from October to March. (Although packing a raincoat will help insure sunny weather, natives will reassure you). Days here are the longest in the contiguous forty-eight states—the closest thing we have to the "White Nights" of midsummer Scandinavia. On the longest day, June 21, sunrise in Seattle is at 5:12 a.m., ideal for picture taking before an errant breeze stirs foliage and flower. Sunset at 9:10 p.m. allows a really full day of garden gazing with time left over for a leisurely dinner during the long twilight;

Previous page and top: VanDusen Botanical Garden in Vancouver offers vibrant hues and subtle shades. Right: The Quarry Garden at Queen Elizabeth Park.

light will be visible on the western horizon behind the Olympic Mountains as late as 11 p.m.

The ferry system in Washington and British Columbia is the most extensive in North America, allowing visitors to leapfrog from sophisticated urban gardens to primeval forests with relative ease.

Some of the major horticultural landmarks will be part of the conference, but there are many others worth seeing.

BRITISH COLUMBIA

Vancouver, which is only 135 road miles north of Seattle by car and a mere thirty minutes by plane, is a lovely city in a spectacular setting. It has an incomparable horticultural heritage founded on British gardening and fostered by successive waves of settlers from Europe and the Orient, each of which has contributed to the mix.

The Botanical Garden of the University of British Columbia at the edge of Vancouver is a must. Its serene Japanese Nitobe Memorial Garden is two gardens in one: a tea garden of moss-covered rocks in an abstract pattern and a landscape garden built around a lake. A splendid rock garden sprawls for hundreds of yards along a hillside; demonstration gardens of herbs, fruit, and vines are well designed. The strong suit of the recently developed Asian garden is broadleaf evergreen shrubs. Many of them should be in bloom in June; the Hawaiian blue poppies (*Meconopsis*) should be at their best.

VanDusen Botanical Garden, nearer the center of the city, has numerous views in

which skyscrapers etch the horizon, but the real treats are at gardening level. A pond and water garden showcase plants that like wet feet. Hillsides are covered with unusual trees and shrubs, including camellias, rhododendrons, and more. The perennial garden will be showing one of its peak bloom periods in June.

Nearby Queen Elizabeth Park has Bloedel Conservatory with its hemisphere devoted to tropical plants. Paths meander through several levels of plantings, and the rampant bloom of bougainvillea, hibiscus, orchids, and other exotics are made even more romantic by the calls of tropical birds perched on tree branches throughout.

Only a few blocks from downtown Vancouver is Chinatown, home to the Dr. Sun Yat Sen Classical Chinese Garden, the only Chinese garden in North America designed and built by a team from mainland China (although a Sichuan-style garden is to be constructed in Seattle beginning in 1991). Chinese garden tradition combines sky, mountains, earth, and water as well as plants. The large central courtyard of the garden features all of these, plus an intimate scholar's garden and many viewing points from which to admire these aspects of nature. The Chinese garden overlooks the larger Dr. Sun Yat Sen Park with its large lake and surrounding plantings.

A ferry trip that begins at Tsawassen, south of Vancouver, goes through the beautiful Canadian San Juans to Vancouver Island, home of Victoria, the provincial capital. The trip ends seventeen miles north of Victoria and relatively near Butchart





A pagoda at the Dr. Sun Yat Sen Classical Chinese Garden in Vancouver.

Gardens, a stunning show garden. Much of Butchart is set in a large quarry whose edges have been softened with trees, flowers, and shrubs. Perennials—delphiniums in stately spires, oriental poppies of all colors, great spikes of many-colored lupines—are at their best here in the mild sea air. Roses, too, grow to near perfection, clambering over pergolas and marching through beds.

Victoria, often described as being like England before World War II, is especially noted for the more than 1,700 baskets of flowers that hang from its street lamps. Flowers abound, from dramatic formal bedding in front of the Provincial Parliament to the vistas of Beacon Hill Park, within walking distance of downtown.

WENATACHEE, WASHINGTON

East of the Cascade Mountains—the dividing line between the state's verdant half and its desertlike region—is Ohme Gardens, which was featured in the February 1989 *American Horticulturist*. It is perched on a rocky hillside above Wenatchee and the winding Columbia River below. That water is everything here is made evident by the sharp contrast between the gardens' acres of alpine plantings and the parched landscape below and all around it.

SEATTLE AND ENVIRONS

A favorite site for both visitors and locals is Seattle's Hiram M. Chittenden Locks, where ships and pleasure boats are lifted from Puget Sound in the Lake Washington Ship Canal. The fish ladder there is a good spot to watch salmon returning to spawn, and gardeners can enjoy the Carl S. English Jr. Botanical Garden, seven acres of shrubs and trees named for the garden's longtime superintendent, who gathered rare plants

from around the world. It's also the home of Washington's largest palm trees, *Trachycarpus fortunei*, which are fan palms native to central China.

One of the largest of its kind is the Drug Plant Garden associated with the College of Pharmacy at the University of Washington. More than 1,500 species are arranged in formal gardens on three acres.

The Volunteer Park Conservatory on Capitol Hill is a small Victorian jewel, saved from decay a few years back, and now slated for expansion.

Next to the Woodland Park Zoo is a large International Rose Test Garden with all the latest rose cultivars as well as a large selection of long-time favorites.

Tired of just gazing at all these incredible plants? Molbak's Greenhouse and Nursery, in suburban Woodinville, is a treasure trove of color for both looking and buying. It is especially noted for combining colorful annuals in containers. Wells-Medina Nursery in Bellevue, just east of Lake Washington, is the destination of choice for those seeking unusual trees, shrubs, and herbaceous perennials. Grand Ridge Nursery, Issaquah, has become recognized worldwide as one of the best places for alpine and rock garden plants.

PORTLAND AND ENVIRONS

The Hoyt Arboretum has one of the nation's largest collections of conifers, both species and cultivars. On a rugged hillside overlooking the city from the west, the 214 acres also contain many other collections,

Below: Cattails in a pond at the Botanical Garden of the University of British Columbia. Right: A lantern-sculpture in that botanical garden's Japanese Nitobe Memorial Garden.



including native shrubs, flowers, and ferns.

In Washington Park on Southwest Kensington Avenue is another International Rose Test Garden. This one contains more than 10,000 plants that should be at the peak of their first flush of bloom come June. The views of the city are dramatic.

The Japanese Garden just above the rose garden in Washington Park is unique and exquisite—arguably the finest in the United States. Its five and a half acres are divided into several gardens—The Stone and Sand Garden, the Flat Garden, the Moss Garden, the Tea Garden, and the Strolling Pond Garden—each with its own tranquil beauty.



The Berry Botanic Garden, nearly seven acres of woodland plantings, has a notable rock garden. Its primulas, rhododendrons, lilies, and perennials will also be very photogenic then.

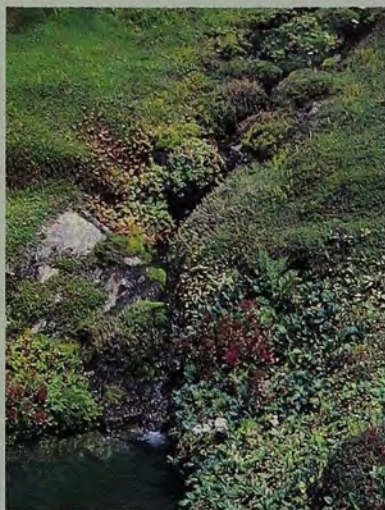
There are two outstanding rhododendron gardens in this area. Crystal Springs Garden has over 2,000 rhododendrons, many of which will still be blooming in June. The garden is nearly surrounded by lake and lagoon, and the springs have been turned into a water feature. The Cecil and Molly Smith Garden in suburban St. Paul, now owned by the Portland chapter of the American Rhododendron Society, is a collector and hybridizer's garden that has been featured in many national magazines. Clematis are among the choice plants here, where foliage colors and textures are combined with a flair for year-round appeal.

The Columbia River Gorge between Washington and Oregon is filled with special natives, and the slopes of Mt. Hood, east of Portland, are easily accessible for botanizing. A visitor's center just off Interstate 5 between Portland and Seattle gives a fascinating view of Mt. St. Helens and a good description of native flora, as well.

Ted Marston is a horticulturist and writer who lives in Kirkland, Washington.



Visiting Details



Above: A hillside at the Ohme Gardens near Wenatchee, Washington, where alpines are grown in a semi-desert environment. Left: The Bloedel Conservatory in Queen Elizabeth Park features a hemisphere dedicated to tropical plants.

Many gardens that charge admission also have senior and youth rates. If no admission is listed, the garden is free. Open hours, which are seven days a week unless otherwise indicated, are for late spring and summer. Winter hours are usually shorter.

BRITISH COLUMBIA

University of British Columbia Botanical Garden, 6804 S.W. Marine Drive, Vancouver. Open 10 a.m. to 8 p.m. Admission \$3. Nitobe Memorial Garden, \$1.50; both, \$4.

VanDusen Botanical Garden, 5251 Oak Street, Vancouver. Open 10 a.m. to 9 p.m. Admission \$4.

Bloedel Conservatory, Queen Elizabeth Park, 33rd and Cambie, Vancouver. Open 10 a.m. to 9 p.m. Admission \$2.40.

Dr. Sun Yat Sen Classical Chinese Garden, 578 Carrall, Vancouver. Open 10 a.m. to 4:30 p.m. Admission \$3.50.

Butchart Gardens, 800 Benvenuto Drive, Brentwood Bay. Open 9 a.m. to 9 p.m. (Saturdays in July and August until 11 p.m.; includes fireworks displays). Admission \$9.50.

WASHINGTON

Ohme Gardens, 3317 Ohme Road, Wenatchee. Open 9 a.m. to dusk. Admission \$4.

Carl S. English Jr. Botanical Garden, 3015 N.W. 54th Street, Seattle. Open 7 a.m. to 9 p.m.

Drug Plant Garden, University of Washington Campus, Seattle. Open during daylight hours.

International Rose Test Garden, next to Woodland Park Zoo at Fremont Avenue and N. 50th Street, Seattle. Open during daylight hours.

Volunteer Park Conservatory, 1400 E. Galer, Seattle. Open 10 a.m. to 7 p.m.

Molbak's Nursery & Greenhouse, 13625 N.E. 175th Street, Woodinville. Open six days 9:30 a.m. to 6:30 p.m., until 8 p.m. Fridays.

Wells-Medina Nursery, 8300 N.E. 24th Street, Bellevue. Open six days 9 a.m. to 6 p.m., Sundays 10 a.m. to 5 p.m.

Grand Ridge Nursery, 27801 S.E. High Point Way, Issaquah. Generally open weekends 9 a.m. to 4 p.m. For information, call (206) 392-1896.

OREGON

Japanese Garden Society of Oregon, 611 S.W. Kensington Avenue, Portland. Open 10 a.m. to 7 p.m. Admission \$3.

Hoyt Arboretum, 4000 S.W. Fairview Boulevard, Portland. Open daylight hours.

International Test Rose Garden (immediately below the Japanese Garden), Portland. Daylight hours.

Berry Botanic Garden, 11505 S.W. Summerville Avenue, Portland. Open Monday through Saturday, 9 a.m. to 5 p.m. Admission \$2. Call ahead for a tour appointment and directions, (503) 636-4112.

Cecil and Molly Smith Garden, 5065 Ray Bell Road, St. Paul. Open June 23, 8 a.m. to 12:30 p.m. Other times call (503) 246-3710 for appointment.

Crystal Springs Garden, 28th and S.E. Woodstock, Portland. Open 7 a.m. to dusk.

LILACS

*The essence of yesterday,
the promise of tomorrow*

The scent of lilacs drifting on a spring breeze grabs hold of youthful memory like that of no other plant. For an adult, just catching a glimpse and a whiff of an overgrown lilac while driving past an abandoned homestead can conjure up a gentle past: high-button shoes, ice cream socials, lemonade on the front porch.

It seems that lilacs have remained the same over the years, but nothing could be further from the truth. Recent innovations in production have led to the creation of many new lilacs, among the long-favored French hybrids as well as the increasingly popular *Syringa* × *prestoniae* hybrids and the still little-known *Syringa* × *hyacinthiflora* hybrids. The possibility of having lilacs blooming for six weeks in spring instead of the fleeting two weeks to which most gardeners are accustomed is no longer a dream, but a reality.

Since 1941, seven distinct colors have been recognized: white, violet, bluish, lilac, pinkish, magenta, and purple. A cream has been attained, but breeders are still seeking a true yellow. They are developing shrubs resistant to heat as well as cold and disease. The gardener can choose among lilacs of varying habit and shape and size of flower and leaf. In 1960 there were only 600 registered hybrids; today, the number is approaching 2,000.

Until very recently, almost all of the production of French hybrids and *S.* × *hyacinthiflora* hybrids had been done by grafting the plants onto privet or green ash. Even as little as five years ago, rooting lilac softwoods of one variety in quantities of 25,000 or more was unheard of. But tim-

ing seems to be the most critical factor in taking softwood cuttings. Once this secret was unlocked, nurserymen began to produce even difficult cultivars such as 'Katherine Havemeyer', 'Mrs. Ed Harding', and 'President Grevy' from softwood cuttings. 'Charles Joly', 'Excel', 'Monge', 'Primrose', and 'Sensation' are all produced with stands of eighty percent or better.

While tissue culture may be "high tech," cultures may take four to five months to get an unrooted microshoot, which must then be rooted, grown in a greenhouse for three months, and then in the field for two to three years. Nevertheless, tissue culture is paving the way for virus-resistant clones of cultivars essentially unobtainable a few years ago to become widely available at local nurseries.

What does this progress in propagation mean to the gardener? For one thing, a lilac on its own rootstock is a better-branched plant with a healthier, more vigorous root system. Most of the French hybrids sucker very little compared to privet or ash, so that even though they put down their own roots after a couple of seasons, they are easily overtaken by the more vigorous understock. When a lilac on its own roots sends up suckers or new shoots after dying back to the ground, they will always be from the lilac.

When it comes to selecting a favorite lilac, nurserymen have a distinct advantage over the home gardener. There is nothing like being inside a blooming block of lilacs to observe the differing qualities of cultivars firsthand. I can still remember the

Right: 'Edith Cavell'

by Terry Schwartz



dewy spring morning when I was walking through a scion block inspecting lilac blooms and discovered 'Katherine Havemeyer'. I would later find it described in books as mauve to pink, but that day, sparkling in the morning sun, it revealed colors not listed in any books. And the scent was incredible! A double-flowering cultivar, it has large blooms made up of many tightly packed, delicately shaped florets.

Even though there are many single-flowering cultivars that are heavier bloomers than some doubles, the twisting, turning florets of the double-flowering types are truly spectacular for those who enjoy looking closely at the flowers. As a nurseryman who has had the chance to develop a life-long friendship with many lilacs, I count some of each type among my favorites.

FRENCH HYBRIDS

The commonly used name of "French hybrids" recognizes the contributions of the French father-and-son team of Victor Lemoine (1823-1911) and Emile Lemoine (1862-1943) who, over their lifetimes, bred more than 200 cultivars of *Syringa vulgaris*, seemingly of every shade imaginable. Today, many of them are being used to further advance hybridizing.

However, many of the so-called French hybrids have been developed far from the Lemoine home in Nancy, France. For example, 'President Lincoln', one of the finest blue lilacs available, as well as 'Adelaide Dunbar', a very good double purple, were developed by Paul Dunbar of Rochester, New York. 'Ludwig Spaeth', an excellent purple, originated at Spaeth Nurseries of Berlin, Germany. Such interesting cultivars as 'Charm' and 'Glory' were developed at Brookville, Long Island, by the great hybridizer, Theodore Havemeyer.

Just a few of my favorites that are widely available include:

- 'Charles Joly' (double, red). Dark red flowers stand well above the foliage of this medium-sized, very upright plant. The long, slender spikes and dazzling trademark color of 'Charles Joly' have kept it extremely popular over the years.

- 'Ludwig Spaeth' (single, purple). For someone seeking a dark purple lilac, this is one of the best choices. Its midseason blooms are held well above the leaves on tall, erect spikes. While it spreads somewhat, it is still more upright than many other cultivars. Because the flowers do not fade as quickly in the hot sun as those of



some others, it presents a more uniform color for a longer time.

- 'Monge' (single, purple). If you have room for only one lilac, this plant is an excellent choice. Its large flower spikes open slowly and their brilliant, rich purple holds up well to the sun. Dense and mound-shaped in habit, it requires little pruning to keep it in bounds, and the scent is far better than many cultivars.

- 'Macrostachya' (double, pink). One of the best pinks among the French hybrids. A very nice, full-growing plant that grows to a medium size. Its buds open to a beautiful clear pink and fade to almost white. The slender panicles are held upright, well away from the foliage. This is a fine ex-

'Minuet'

ample of a very old lilac (1874) that continues to impress lilac lovers today.

- 'Montaigne' (double, pink). A very vigorous plant that tends to open with age. Twisting, twirling, soft rose pink florets appear densely on spikes that range from four to seven inches long. They are very well scented, but not overpowering.

- 'President Grevy' (double, blue). Giant, billowy trusses of a clear delicate blue bloom in midseason. A very strong grower, this is a rather large, symmetrical shrub that makes a good background plant.

- 'President Lincoln' (single, blue). This is the truest blue of any lilac on the market

today. A very dependable bloomer, its flowers are borne on large double clusters. The panicles often reach eight inches in length. A large-grower, it can be easily kept in bounds by removing old wood.

■ 'Ellen Wilmott' (double, white). This large-growing plant comes equipped with stout canes adequate for holding up its immense, snow white flowers. It is one of the best whites available today, with the largest individual florets and light green leaves that are large, thick, and leathery.

■ 'Edith Cavell' (double, white). A plant with large, interesting leaves and beautiful,

pale yellow buds that open to large cream-to-milk-white flowers on heavy clusters. The flowers, which are very sweetly scented, are more lacelike than those of 'Ellen Wilmott' and appear later.

■ 'Madame Lemoine' (double, white). Long erect flowers appear profusely in a pure snowy white that contrasts nicely with its dark green foliage. It is the delicate lady of these three whites, smaller in stature with straight upright canes that arch out slightly.

■ 'Charm' (single, pink). A Havemeyer development of 1948, 'Charm' is an excellent, sweet-scented lilac of unique distinction. The individual florets are up to one and a half inches across and the panicles up to ten inches long and four inches in diameter at the base. It is somewhat open-growing with large leaves. Sparse foliage is fairly common with 'Charm', due in part to the heavy bloom that leaves less nourishment for leaf production.

'President Lincoln'



Sources for French Hybrids:

Bergeson Nursery, Fertile, MN 56540, free price list.

Carroll Gardens, 44 E. Main Street, Westminster, MD 21157, catalog free.

Heard Gardens, 5355 Merle Hay Road, Johnston, IA 50131, catalog \$2, refundable upon first order.

Mellinger's Inc., 2310 W. South Range Road, North Lima, OH 44452, catalog free.

Sources for Preston and Hyacinth Hybrids:

Carroll Gardens, 444 E. Main Street, Westminster, MD 21157, catalog free.

Wedge Nursery, Rt. 2, Box 114, Albert Lea, MN 56007, price list free.



'Miss Canada'

PRESTON HYBRIDS

While extremely popular, French lilacs are far from the only type available to the home gardener. Many lilacs are not noticed in the landscape because they "don't look like a lilac." A good example is the Preston hybrids, which don't begin to bloom until a week or two after the French hybrids are finished. Here in Minnesota, this is generally about the end of May or the first week of June.

These spectacular plants are smaller statured, more upright and mound-shaped in habit than the French lilacs. The foliage is completely different, consisting of a long, narrow leaf that is somewhat puckered in texture. Preston hybrids are sometimes called nodding lilacs because of the flowerhead, which tends to droop over at maturity. Those who have never seen one in bloom are missing one of the treasures of the lilac realm. The effect is of a china doll too delicate to touch.

Unlike the French hybrids, they don't have to be placed far from the house; many can be used in foundation plantings with no fear that they will outgrow their welcome. The scent is heavenly, and the subtle colors will not clash with ornamentals of bolder hues. Low maintenance plants—removal of the flower heads is optional—they are as magnetic to butterflies as a *Buddleia*.

The Preston hybrids are named after Isabella Preston, a Canadian hybridizer who

did most of her work at the Central Experimental Station in Ottawa during the 1920s. Some of the plants that carry the Preston name have been developed by other hybridizers; *Syringa* × *prestoniae* 'James MacFarlane', a very good pink that is hardy to Zone 2, was developed at the University of New Hampshire. Some of the finest that I have worked with over the years have come from Morden Station of Morden, Manitoba. All of those described come from there, and also are hardy to Zone 2.

■ 'Miss Canada' (single, pink). One of the most beautiful pinks of any species of lilacs was developed by Dr. W. A. Cumming at Morden Station in 1967. A cross of *S.* × *josiflexa* 'Redwine' and *S.* × *prestoniae* 'Hiawatha', this is a real newcomer to the world of lilacs and has just really appeared on the market from the wholesale level in the last few years. A nonsuckering plant, it has somewhat larger foliage than other cultivars in this group. The flower buds are almost red in color, opening to a deep rich red pink in early summer. Butterflies, hummingbirds, and hummingbird moths seem to almost grow on it. Its intoxicating scent; clean, crisp outline; disease and mildew resistance; and extreme hardiness make this lilac a gardener's dream.

■ 'Donald Wyman' (single, purple). Developed by F. L. Skinner of Dropmore, Manitoba, this lilac is certainly worthy of being called ornamental. Purple-to-lav-

ender flowers cover it in early summer and maintain their bright color throughout the heat of the day. Dark green foliage makes this a truly attractive plant to use as a backing for perennials or annuals. Reaching eight to ten feet in height at maturity, it is consistent in size with many of the Preston hybrids.

■ 'Minuet' (single, purple). For those of us who do not have a lot of room to spare in our landscapes, this is a plant that should not be overlooked. Developed in 1972 by Morden Station's Cumming, it grows ultimately to six to eight feet, somewhat larger than other Preston hybrids such as *S. meyeri*, *S. patula* 'Dwarf Korean', or *S. patula* 'Miss Kim'. But it is every bit as beautiful, and as sweet-scented a plant as any that have arrived on the retail market in recent years. The scent will often give it away before you see its prolific, stunning light purple blooms. They will last longer than those of many other Preston hybrids and appear later, peaking in mid-to-late June here in Minnesota.

■ 'Royalty' (single, purple). Beautiful royal purple flowers in mid-June add color to any landscape. 'Royalty' is a mid-sized plant that will eventually reach eight to ten feet, and like many Preston hybrids, can be resplendent as an informal hedge.

HYACINTHAFLORA HYBRIDS

Easily mistaken for *S. vulgaris*, the *hyacinthaflora* hybrids were a relatively unknown group until the last ten years. Neither home gardeners nor growers had discovered their attributes, and since there was little consumer demand, there was no reason to produce them in any quantity. This has definitely changed.

Their extreme hardiness—to minus 20° or even minus 40° F—makes them useful where French hybrids are hopeless. Very fragrant and prolific blooms, an attractive oval habit, and minimal suckering are just a few of the other features that are increasing these plants' popularity. The flowers, while single, are dense and stand well above the plant. The oblate, light green leaves give them a beautiful background.

Three of the best on the market today were all developed by F. L. Skinner, who was seeking plants that would remain relatively small in stature. Blooming about seven to ten days earlier here in the Mid-

west than *S. vulgaris*, they are proving themselves more than worthy as treasured landscape plants. (A drawback for Southern gardeners is their intolerance of heat; hot springtime temperatures tend to wash out their colors faster than they would those of *S. vulgaris*.)

■ 'Assessippi' (single, lavender). One of the earliest to bloom, it is a well-shaped plant that does not become leggy. Very fragrant, pale lavender flowers cover this shrub in early spring. First introduced in 1935, it is only now finding its place in the landscape.

■ 'Pocahontas' (single, purple). Much deeper in color than 'Assessippi'—some have compared it to *S. vulgaris* 'Ludwig Spaeth'—this lilac is a knockout. Planting in open areas with good drainage will ensure fewer problems with powdery mildew; other than that, they are not fussy.

■ 'Mount Baker' (single, white). A snow-drift in spring is the best description of this single white-flowering lilac. Dense-growing, attaining ten feet in height, it will bloom from the ground up and look even more like summer snow if old growth is pruned

to keep the shrub only three to four feet tall. Removing old wood as the shrub grows will also help maintain a very dense appearance. The flower spikes are from four to ten inches long, backed by a soft green foliage.

No article can possibly cover the immense number of lilac cultivars on the market today. The improved techniques for propagating lilacs, coupled with their growing popularity, means that many of them can now be found in garden centers all summer long as container-grown plants with well-developed root systems. This means they can be planted not only in spring, but right up to the time frost is on the ground. Others not obtainable from local garden suppliers are readily available in mail-order catalogs. Whether the ones you choose are old or new, lilacs are what memories are made of!

Terry Schwartz has been on the staff of Bailey Nurseries in St. Paul, Minnesota, for sixteen years. Those seeking more information on lilacs may want to contact the International Lilac Society, P.O. Box 315, Rumford, ME 04276, (207) 562-7453.

Plant Thoughtfully, Prune Annually

When I give talks about lilacs at local garden clubs, I'm always surprised that many gardeners think lilacs are difficult to grow. Unlike many shrubs that bloom year after year, the lilac has only four basic requirements for good flower production as well as plant growth: good soil, adequate sunlight, drainage, and proper pruning.

Good soil, of course, is a requirement for good performance by any landscape plant. Any good garden soil that will produce keeper tomatoes will more than do for lilacs, but not just a shovelful in the planting hole—enough to allow vigorous new root growth year after year.

Full sunlight helps lilacs develop food to produce strong stems that will set the next year's flower buds. A cold dormancy period is also needed for proper flowering, which means that some of our warmer states cannot successfully grow many of the lilacs.

Proper drainage, in the case of li-

lacs, means not having their roots standing in water that will stop air circulation through the soil. Any low areas that retain water will not make a good home for any of the lilac species. Having the soil on the dry side is preferable, especially for the French hybrids.

Pruning the French lilacs will create a much more dense and well-rounded plant than one left to grow on its own. Simply removing the older, larger canes after the spring blooming has stopped will insure having new young shoots develop by fall. Never prune lilacs in the late fall; the new flower buds are already formed and would be cut off by fall pruning. After flowering is over in spring, it is time to shape the plant and to remove any old flower heads that may hinder shoot development. Don't be alarmed to see only a few blooms in your plants' early years; it takes five to eight years for a lilac to reach full blooming potential. —T.S.

Right: 'Adelaide Dunbar'



ENERGY-SAVING
SUN-PORCH™
**CONVERTIBLE
SUNSPACE**
More value for less money!

**INSULATED
WINTER SUN SPACE CONVERTS
TO A SUMMER SCREEN ROOM!**



- Bronze aluminum
- Shatter-resistant 1" thick double-wall glazing
- Do-it-yourself assembly
- Ideal greenhouse, spa/hot tub room, entry way.

Send \$2 for Color Catalogues, Prices,
SENT FIRST CLASS MAIL.
Dealer Inquiries Welcome



VEGETABLE FACTORY, INC.
P.O. Box 2235, Dept. AHO
New York, NY 10163

PERENNIALS



*We Grow
Beautiful Perennials
At A Price You Will Like!!!*

The plants that return to bloom season after season for years of easy pleasure, our specialty... Perennials.

White Iberis for early spring, summer's perky Shasta Daisies and fall for blooming Chrysanthemums... Perennials beautify your home.

Bluestone grows over 300 varieties of perennials which are shipped in full growth — easy to plant and each plant guaranteed.

Send for our free catalog or call 800-852-5243.
We will be pleased to hear from you.

Name _____

Address _____

City _____ State _____



Zip _____
7225 MIDDLE RIDGE RD.
MADISON, OHIO 44057

Classifieds

Classified Ad Rates: \$1 per word; minimum \$20 per insertion. 10 percent discount for three consecutive ads using same copy, provided each insertion meets the \$20 minimum after taking discount. Copy must be received on the twentieth day of the month three months prior to publication date. Send orders to: American Horticultural Society Advertising Department, 80 South Early Street, Alexandria, Virginia 22304. Or call (703) 823-6966.

AFRICAN VIOLETS

America's Finest—177 best violets and gesneriads. Color Catalog and Growing "Tips" 50 cents. FISCHER GREENHOUSES, Box H, Linwood, NJ 08221.

THE AVANT GARDENER

FOR THE GARDENER WHO WANTS TO GET MORE OUT OF GARDENING! Subscribe to THE AVANT GARDENER, America's most useful gardening publication. Every month this unique news service brings you the most practical information on new plants, products, techniques, with sources, features, special issues. 22nd year. Awarded Garden Club of America and Massachusetts Horticultural Society medals. Curious? Sample copy \$1. Serious? \$12 full year (reg. \$18). THE AVANT GARDENER, Box 489M, New York, NY 10028.

BEEKEEPING SUPPLIES

ASSURE GARDEN PRODUCTIVITY and increase wildlife through BEEKEEPING. Free Catalog. BRUSHY MOUNTAIN BEE FARM, Rt. 1, Dept. 36, Moravian Falls, NC 28654-9988.

BONSAI

BONSAI TREES, pottery, books, tools, trays, supplies, and soils. Catalog \$2.50. BONSAI CREATIONS, P.O. Box 7511AH, Ft. Lauderdale, FL 33338.

BONSAI, dwarfed conifers, pines, maples, tropicals, stock, and cuttings. Catalog \$2. MATSUKI NURSERIES, P.O. Box 11414, Philadelphia, PA 19111. (215) 722-6286.

BOOKS

Antiquarian Books—Horticultural/Gardening/Landscape/Plant Hunting/Herbs/Wildflowers, Catalogues available. HORTULUS, 139 Marlborough Place, Toronto, Ontario M5R 3J5.

842 Enjoyable, Useful, Quaint books on Plants. Current \$1—Sale Catalog Spans 450 Years from Estienne's Gardening Dated 1539 to O'Keeffe's Flowers Dated 1989. POMONA BOOKS, Rockton, Ontario, Canada L0R 1X0.

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 House Plants, 1,200 photos, \$8.95. Circulars gladly sent. ROEHR'S, Box 125, E. Rutherford, NJ 07073.

CAROL DIDRICK'S LITTLE RED BOOK ON OLD GARDEN ROSES. Where to get them and where to plant them. An introduction to OLD GARDEN ROSES. Each book signed and numbered. Send \$14.95 postpaid. CAROL DIDRICK, 1535 Willard Dr., Orrville, OH 44667. *Please add \$2 for out of country mailing.

FINE BOOKS: Out-of-print, antiquarian—bought and sold. Landscaping, design, history, horticulture. Catalog 891: \$2. QUEST RARE BOOKS, 774 Santa Ynez, Stanford, CA 94305.

BULBS

DUTCH BULBS FOR FALL PLANTING. 12 cm. Tulips, DN1 Daffodils, Hyacinths and Miscellaneous. Catalog \$1 (refundable). Paula M. Parker DBA, Mary Mattison van Schaik. IMPORTED DUTCH BULBS, P.O. BOX 32AH, Cavendish, VT 05142.

CACTI & SUCCULENTS

Golden Barrels, other specimens, seeds, collector items; 100 Saguaro or Red Barrel seeds, \$2.75; nice Cholla wood, \$3.50/ft.; Indian art. Free brochure. SOUTHWESTERN EXPOSURE, 10310 E. Fennimore, Apache Junction, AZ 85220.

FLOWERING JUNGLE CACTI catalog for 1989-90 including 4-page 1990 plant addendum now available. 186 color photos of Orchid Cacti (Epiphyllums), Rattail Cacti, Hoyas, Haworthias, Xmas/Easter Cacti, more! 70-page plant/cactus bookshop catalog, all only \$2. RAINBOW GARDENS, 1444 Taylor St., Vista, CA 92084.

CARNIVOROUS PLANTS

Carnivorous (Insectivorous) Plants, woodland terrarium plants, supplies and books. Color brochure free. PETER PAULS NURSERIES, Canandaigua, NY 14424.

DAFFODILS

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 (deductible on order) to: GRANT MITSCH NOVELTY DAFFODILS, P.O. Box 218D, Hubbard, OR 97032.

DAHLIAS

ALL types, sizes, colors. Worldwide selection. Color catalog \$1 refundable on order. CONNELL'S, 10216 40th Ave. E., Tacoma, WA 98446.

DAYLILIES

Also JAPANESE and SIBERIAN IRIS, PEONIES, TREE PEONIES, HOSTA. Catalog—\$1 (deductible). CAPRICE FARM NURSERY-AH, 15425 SW Pleasant Hill Rd., Sherwood, OR 97140. (503) 625-7241.

Tetraploid Hybrids, Reblooming Miniatures, Dwarfs and Eyed varieties. All are hardy dormant homegrown in central Illinois' rich prairie soils. All orders are freshly dug and well packaged. Send \$4 (fully refundable) for your 1990 Color Perennial Catalog. KLEHM NURSERY,

Rt. 5, Box 197 Penny Rd., Barrington, IL 60010-9555 (1-800-553-3715).

AWARD WINNING DAYLILIES - direct from grower! New COLOR catalog \$2 (contains \$5 certificate). DAYLILY DISCOUNTERS, Dept. AH, Rt. 2, Box 24, Alachua, FL 32615. (904) 462-1539.

DRIP IRRIGATION

DRIP IRRIGATION CATALOG. Most comprehensive available. Send \$1, refundable with purchase, to: TRICKLE SOAK SYSTEMS, 8733 Magnolia #100-AH, Santee, CA 92071. (619) 449-6408.

FERTILIZER (ORGANIC)

ULTRA-GROW EARTHWORM CASTINGS Organic Fertilizer. Small amounts provide unbelievable results. Money-back guaranteed! 16 lbs. \$9.95, 32 lbs. \$17.95 postpaid. Free info available. UNCO 7802-M Oldspring, Racine, WI 53406. 1-800-666-8626.

FRAGRANCE

Seeds for fragrant, rare and old-fashioned plants. THE FRAGRANT PATH, P.O. Box 328A, Ft. Calhoun, NE 68023.

GARDENING SUPPLIES

FREE GARDEN CATALOG—Over 4,000 Items: Seeds, Plants, Trees, Pots, Plant Foods, Beneficial Insects, Books, Greenhouses. MEL-LINGER'S, Dept. 320E, North Lima, OH 44452-9731.

GOATSKIN GLOVES. Tough, lightweight, napa goatskin stretches and becomes form-fitting, giving wearer ultimate in fit, grip, dexterity. Natural lanolin in leather keeps hands soft. Sizes 7-10 or send outline of hand. \$9.50 postpaid.

PUTNAM'S, Box 295-AH, Wilton, NH 03086.

"FREE CATALOG" . . . "LOWEST PRICES" . . . Light fixtures, pots, flats, domes, baskets, etc . . . Stamps . . . Postage . . . PLANT COLLECTIBLES, 103E Kenview, Buffalo, NY 14217. ROSE MARKERS, 15" zinc, 25 count—7.50/bundle; Gardencut Shears—\$8.50, add \$3.25 shipping. Free catalog. THE ECLECTIC GARDENER SUPPLY COMPANY, P.O. Box 3254, 1068 Blackfield Ct., Santa Clara, CA 95055.

GREENHOUSE ACCESSORIES

COMPLETE MIST PROPAGATION SYSTEMS. Get phenomenal propagation results, indoors-outdoors. Environment sensitive controlled. FREE BROCHURES. AQUAMONITOR, Dept. 4, Box 327, Huntington, NY 11743. (516) 427-5664.

GROUND COVERS

QUALITY GROUND COVERS AND PERENNIALS. Aegopodium, European Ginger, Ivies, Lamiums, Hardy Cactus, Plumbago, Sweet Woodruff, Sedums, Vincas. Over 100 varieties. GILSON GARDENS, INC., Dept. H, P.O. Box 277, Perry, OH 44081.

PACHYSANDRA—STURDY, HEAVILY ROOTED PLANTS FOR SHADED AREAS. Ppd.: 50—\$15.50; 100—\$27.95; 500—\$114.95, 1000—\$205. First-class stock. Folder on request. PEEKSKILL NURSERIES, Box H, Shrub Oak, NY 10588.

HEATHS & HEATHERS

HARDY HEATHERS FOR ALL-YEAR GARDEN COLOR! Send SASE for descriptive mail-order list. Fast Service! HEATHER GROWERS, Box 850, Elma, WA 98541.



Dead?

45¢ worth of Miracid® could have saved this \$50 plant!

Yellowing leaves are a danger signal. The problem is "yellow anemia" (chlorosis). These plants need special help that ordinary fertilizers can't provide. They need Miracid!

Miracid feeds, ironizes, acidifies



Miracid not only feeds, it ironizes to correct iron deficiency and acidifies to create necessary acid soil that all evergreens love.

Beautiful Azalea and Rhododendron

Miracid contains chelated iron and other essential minerals to stimulate strong, beautiful growth.



SO EASY with Miracle-Gro® NO-CLOG Feeder
Just drop in and spray on



BUNDLES of BULBS ORDER YOUR CATALOGUE
(301) 363-1371
THINK SPRING IN SPRING
ORDER BEFORE JULY 8th FOR
BETTER BULBS-BETTER CHOICES-BETTER PRICES
112 Green Spring Valley Road • Owings Mills, Maryland 21117

"Schultz-Instant"
The Highest Quality Liquid Plant Food For Over 30 Years.
A LIMITED WARRANTY TO CONSUMERS
Good Housekeeping PROMISES
REPLACEMENT OR REFUND IF DEFECTIVE
7 DROPS PER QUART WATER GROWS ALL PLANTS
INDOOR SIZE
Rich Thick Consistency
WITH EASY-TO-MEASURE DROPPER
"Schultz-Instant" LIQUID PLANT FOOD 10-15-10
EASY TO USE
Available at leading Garden Centers and Plant Departments.
Mfg. by Schultz Company, St. Louis, MO 63043



PERENNIALS

Extensive list of top-quality nursery-propagated perennials for the fine and unique gardener.

Featuring exclusively McEwen Siberian Iris.

Descriptive mail order catalog of over 1,000 varieties of perennials, \$1.50.

Fieldstone Gardens, Inc.

620 Quaker Lane, Vassalboro, Maine, 04989 (207) 923-3836



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 \$5.00. California (30¢), Maryland (25¢) and Texas (35¢) residents please add tax.

Please rush my catalogue by first class mail. Enclosed is \$6.75.

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

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

1500 Lilypons Way
P.O. Box 1130
Thermal, CA 92274

Name _____

Address _____

City _____

State _____

Zip _____

Classifieds

HELP WANTED

We at the American Horticultural Society are often asked to refer individuals for significant horticultural positions around the country. We are not in a position to offer full placement services to candidates or employers. However, as a service to our members, both individuals and employers alike, we would be very glad to receive résumés and cover letters of individuals seeking job changes and employers seeking candidates. All responsibility for checking references and determining the appropriateness of both position and candidate rests with the individuals. AHS's participation in this activity is only to serve as a connecting point for members of the Society. Inquiries and informational material should be sent to: Horticultural Employment, American Horticultural Society, 7931 East Boulevard Dr., Alexandria, VA 22308.

HOSTAS

Latest Hybrids from Paul Aden. High quality containerized plants for safe all-season shipping. Expertly packaged. Professionally grown. Send \$4 (fully refundable) for your 1990 Color Perennial Catalog. KLEHM NURSERY, Rt. 5, Box 197 Penny Rd., Barrington, IL 60010-9555 (1-800-553-3715).

CHOICE SELECTION. Catalog \$2. SAVORY'S GARDENS, INC., hybridizers and growers. 5300 Whiting Ave., Edina, MN 55435. (612) 941-8755.

HOUSE PLANTS

ORCHIDS, GESNERIADS, BEGONIAS, CACTI & SUCCULENTS. Visitors welcome. 1990-91 catalog \$2. LAURAY OF SALISBURY, 432 Undermountain Rd., Salisbury, CT 06068. (203) 435-2263.

IRIS

Bearded Irises — 7 mixed named. \$10 postpaid. Color catalog \$2. Many iris types. COMANCHE ACRES IRIS, Dept. AH, Gower, MO 64454.

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.

PEONIES

Estate, Hybrid, and Tree Peonies. High quality plants, freshly handled and expertly packed. Family owned company for 137 years. Send \$4 (fully refundable) for your 1990 Color Perennial Catalog. KLEHM NURSERY, Rt. 5, Box 197 Penny Rd., Barrington, IL 60010-9555 (1-800-553-3715).

PERENNIALS

NEW, INEXPENSIVE way to buy perennials. Specialists in growing and improving perennials guarantee you the finest plants ever offered — same as by professional nurserymen. Send for free Bluestone Catalog; lists more than 300 varieties, plus information on care and growing. BLUESTONE PERENNIALS, 7201 Middle Ridge, Madison, OH 44057.

Extensive lists of top-quality nursery-propagated perennials for the fine and unique gardener. Featuring exclusively McEwen Siberian

Iris. Catalog of over 1,000 varieties of perennials, \$1.50. FIELDSTONE GARDENS, INC., 620 Quaker Lane, Vassalboro, ME 04989. (207) 923-3836.

PLANT PROPAGATION

FREE PLANTS THROUGH PROPAGATION! Little effort, no-cost landscaping or resell for profit. All methods illustrated. Rooting, grafting, air-layering. For free information call (813) 572-8492.

PLANTS (UNUSUAL)

Distinctive plants for your garden and landscape. Scarce, unusual and many old favorites. Well established in 4" pots, ready for you to grow on. FREE catalog. APPALACHIAN GARDENS, Box 82-A, Waynesboro, PA 17268. (717) 762-4312.

RARE SUCCULENTS, CAUDICIFORMS, EUPHORBIA, SANSEVIERIAS, LOW LIGHT PLANTS, OTHER EXOTICS. Catalog \$2 deductible from first minimum order. SINGERS' GROWING THINGS, 17806 Plummer St. A, Northridge, CA 91325.

OVER 1000 KINDS OF CHOICE & AFFORDABLE PLANTS. Outstanding Ornamentals, American Natives, Perennials, Rare Conifers, Pre-Bonsai, Wildlife Plants, much more. Descriptive catalog \$2. FORESTFARM, 990 Tetherow, Williams, OR 97544.

GOSSLER FARMS NURSERY . . . Catalog offering 300 species and varieties of plants for mail order . . . \$1. Featuring Magnolias, Stewartias, Hamamelis, many other unusual trees and shrubs . . . GOSSLER FARMS NURSERY, 1200 Weaver Rd., Springfield, OR 97478-9663.

Over 300 Varieties Perennials for Sun & Shade, Rock Plants, Hosta, Hemerocallis, Sempervivums, Dwarf, Siberian & Japanese Iris, Wild Flowers, Dwarf Shrubs & Evergreens, Perennial Seed. 40-Page Catalog, fifty cents in stamps. ROCKNOLL NURSERY, 9210 U.S. 50, Dept. 33, Hillsboro, OH 45133-8546 — Our 62nd Year. (513) 393-1278.

POSITIONS AVAILABLE

Horticulturist and groundskeeper to serve as curator of the grounds at "Mathy House," the presidential residence at George Mason University, located in Fairfax, VA near Washington, D.C. Duties include supervision and professional care for this 10-acre property, which includes rare and valuable trees, shrubbery and plantings. Send resume and salary background to: Groundskeeper Search, Office of the President, George Mason University, Fairfax, VA 22030-4444. GMU is an AA/EEO employer.

ROSES

HORTICO ROSES: Hard-to-find varieties, new Austin hybrids (new English garden roses), hardy Canadian Explorer roses, HT's, FL's, climbers, old garden varieties, and many others. Catalog listing over 350 varieties available on request at \$2. HORTICO INC., 723 Robson Rd., Waterdown, ON LOR 2H1 Canada, Phone (416) 689-6984. Fax: (416) 689-6566.

SEEDS

THOUSANDS OF RARE FLOWER SEED FROM THE WORLD WIDE. Including wildflower, native orchids and fern plants. Barnhaven Silver Dollar Primroses. Extensive Collector's Seed List! Catalog \$2 (deductible). FAR NORTH GARDENS, 16785-AH Harrison, Livonia, MI 48154.



DAYLILIES

1/3 OFF SALE

Get more for your money by acting NOW... Plus FREE "Big Name" Bonus Plant (on orders of only \$20.00 or more)

Get dazzling color and enviable gorgeous blooms THIS SUMMER, or make your home floral arrangement excitingly beautiful with WILD's guaranteed top quality, magnificent Daylilies. A rare and limited opportunity, so select your old favorites and choose from the glamorous new varieties, all at 1/3 off prices shown (min. order \$10), plus \$3.50 packing and handling charge. Order NOW! All orders must be received by April 30, 1990.

Cat. Price	Cat. Price	Cat. Price
<input type="checkbox"/> ACROSS THE MILES EM OE 6" brilliant lemon yellow . . . 4.50	<input type="checkbox"/> GIRL SCOUT ML-L OE 6-1/4" brilliant lemon, green heart . . . 5.00	<input type="checkbox"/> PRECIOUS ONE EM Pale cream overlaid pale pink . . . 3.00
<input type="checkbox"/> ALICE IN WONDERLAND M Frilly, ruffled lemon yellow . . . 3.00	<input type="checkbox"/> GOLDEN GIFT M Re Outstanding brilliant gold . . . 2.50	<input type="checkbox"/> RADIANT GREETINGS M Re OE Orange yellow with wide red halo . . . 4.00
<input type="checkbox"/> AMERICAN REVOLUTION M Re OE Very velvety black wine red . . . 7.50	<input type="checkbox"/> GREEN CANYONS M Orchid pink, green heart . . . 3.00	<input type="checkbox"/> RUFFLED VALENTINE M OE Very velvety dark red . . . 3.00
<input type="checkbox"/> BEN ARTHUR DAVIS EM OE F 8" creped, ruffled yellow cream . . . 7.00	<input type="checkbox"/> IRISH BEAUTY M OE Light clear yellow self, green heart . . . 4.00	<input type="checkbox"/> SHELTER ISLAND EM Re OE Brilliant yellow self, ruffled . . . 3.00
<input type="checkbox"/> BICENTENNIAL QUEEN ML-L Re OE Rose pink blend . . . 4.50	<input type="checkbox"/> JULY GOLD LM Re OE 6" ruffled gold . . . 3.00	<input type="checkbox"/> SILVER CIRCUS EM OE F Large yellow, pink infusion . . . 3.00
<input type="checkbox"/> BREAKAWAY Tet Buffy copper-orange . . . 3.00	<input type="checkbox"/> LAMPLIGHTER M OE Excellent, bright velvety red . . . 5.00	<input type="checkbox"/> SMALL WAYS EM Pale lemon yellow, green heart . . . 2.50
<input type="checkbox"/> CANDY APPLE M Re OE 6" rich pink melon . . . 2.50	<input type="checkbox"/> LILTING LAUGHTER M Re OE Ruffled light lemon yellow suffused pink . . . 3.00	<input type="checkbox"/> SPRING CHIMES ML Re 6" medium deep yellow . . . 2.50
<input type="checkbox"/> CAPE COD EM Re OE Ruffled, deep wine red . . . 4.00	<input type="checkbox"/> LITTLE TYKE M Bright red, yellow green throat . . . 2.00	<input type="checkbox"/> STAKE RACE LM Re Long blooming pale orange yellow . . . 3.00
<input type="checkbox"/> CHARMING HEART EM Velvety dark red . . . 3.00	<input type="checkbox"/> LOCAL TALENT LM Muted lavender pink . . . 3.00	<input type="checkbox"/> TIMELESS M Re OE 8" muted ivory flesh peach . . . 3.00
<input type="checkbox"/> CHRISTMAS CAROL EM Velvety red, green heart . . . 2.50	<input type="checkbox"/> LUXURY LACE M Re Small lavender pink . . . 3.00	<input type="checkbox"/> TREASURE ROOM Tet M-ML OE F Brilliant lemon yellow self . . . 7.50
<input type="checkbox"/> COLD HARBOR EM Re OE 6" clear soft yellow . . . 6.00	<input type="checkbox"/> MAYBE SO EM Re OE Ruffled sparkling pale orange yellow . . . 3.00	<input type="checkbox"/> WALLY NANCE EM Re OE Velvety bright ruby red, green heart . . . 5.00
<input type="checkbox"/> CONSTITUTION ISLAND EM Re Ruffled deep yellow . . . 2.50	<input type="checkbox"/> MELON BALLS EM Small blooms like melon balls . . . 3.00	<input type="checkbox"/> WESTWARD VISION EM Re OE Dark velvety wine red . . . 3.00
<input type="checkbox"/> DOLL HOUSE EM OE Extremely ruffled tangerine . . . 3.00	<input type="checkbox"/> NOB HILL EM Re OE Large pale lavender pink . . . 2.00	<input type="checkbox"/> WHIMSICAL M Re OE Lavender or deep purple pink . . . 4.00
<input type="checkbox"/> DRESDEN BEAUTY LM OE Re Blend of green, yellow, pink cream . . . 3.00	<input type="checkbox"/> ONLY JUST BEGUN M OE Cream, heart touched green, lavender pink rib . . . 4.00	<input type="checkbox"/> WILD HEART ML Velvety red . . . 2.50
<input type="checkbox"/> ERUPTION ML Ruffled, velvety cherry red . . . 4.00	<input type="checkbox"/> PILOT LIGHT EM-M Re OE Lavender pink, large lemon heart . . . 2.50	<input type="checkbox"/> WILD KEY EM Re 4" peach pastel . . . 2.00
<input type="checkbox"/> FROSTED VELVET EM Re Dark velvety red . . . 3.00	<input type="checkbox"/> PINK EMBERS EM Re OE Salmon pink, excellent rebloomer . . . 3.00	<input type="checkbox"/> WINNIE THE POOH M Adorable 3" pastel yellow . . . 2.00
<input type="checkbox"/> GINGER WHIP EM Re OE F 5-12" light yellow, light ginger brown shadings . . . 6.00	<input type="checkbox"/> PREAKNESS STAKE M Re OE Pale pinkish yellow, lavender rib . . . 3.00	<input type="checkbox"/> YOUNG COUNTESS M Re 4-1/2" pale orchid pink . . . 2.00

EACH PLANT LABELLED

**EASY TO GROW
BEAUTIFUL TO SHOW**

KEY TO ABBREVIATIONS:

E-Early; Ev-Evergreen; EM-Early Mid; M-Midseason; ML-Mid Late; L-Late; OE-Opens Evenings; Re-Reblooming; F-Fragrant; Tet-Tetraploid.

**ANY \$15.00
WORTH ONLY \$10**

Any \$22.50 worth, \$15; any \$30 worth, \$20, etc. Min. order \$15 worth for \$10. Add \$3.50 pkg. & hdg.

BONUS PLANTS

We will send these magnificent Daylilies FREE on net cash order totaling only:

- \$20.00 Order, PILOT LIGHT
- \$30.00 Order, PRECIOUS ONE
- \$40.00 Order, ERUPTION
- \$50.00 Order, AMERICAN REVOLUTION

**"WE WILL NEVER
COMPROMISE QUALITY FOR
PRICE"**

GUARANTEED SAFE DELIVERY

Wild's plants are true to name and guaranteed delivered safe. Wild's ships only large, sturdy, well-cared-for and healthy plants ready to take root and produce profuse blooms.

**SEND NOW FOR OUR
92-PAGE COLOR CATALOG**

Choose from more than 1300 varieties of Peonies and Daylilies. Catalog shows many in full color and gives timely planting tips and instructions. Sent FREE with minimum \$10 order. or send only \$2.00 for catalog (deductible on your first catalog order).



NO C.O.D.'S PLEASE

GILBERT H. WILD & SON, INC.
AH-490 Joplin St., Sarcoxie, MO 64862-0338

- Please send varieties checked. I enclose \$_____ (1/3 off total order at prepaid prices shown) plus \$3.50 pkg. & hdg. charge. Send FREE catalog and any EARNED FREE PLANT. Missouri residents add 6.05% sales tax to order.
- Enclosed is \$2 for 92-page Color Catalog only (deductible on first catalog order).

NAME _____
ST./R.F.D. _____
CITY _____ STATE _____ ZIP _____

Radiant Springtime Colors

Watch your garden explode with a rainbow of color! Schreiner's Gardens offers 450 of the newest and best Iris varieties. Send for "An Iris Lover's Catalog." 72 pages of Iris: dwarf, tall bearded, garden Iris ... more than 300 pictures in vivid color. Special bargain collections, growing tips. Since 1925. Send \$2.00 (deductible from first catalog order).

Schreiner's
IRIS GARDENS

3655 Quinaby Road,
Salem, Oregon 97303



NOW ... BY MAIL!
UNUSUAL, HARD-TO-FIND FLOWER ARRANGING SUPPLIES:
TOOLS, TECHNIQUES, TRICKS OF THE TRADE!

The Original KETH CUP® CANDLESTICK BOWL

In colors of polished silver, gold and NOW available in jet black! An addition to the most exquisite candlestick or candleabra. Will hold a cylinder of Oasis. Makes a beautiful floral focal point for your table.



(Candlestick not included)

5.50 ea. or 2 for 10.00

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

The Keth Company
P.O. Box 645
Corona del Mar, CA 92625
OUR LATEST CATALOGUE — 1.00

TROPICAL HUMIDITY!

- A Humid Climate for Healthier Plants
- A Size for Every Greenhouse
- Professional Quality, Dependable Performance
- Fully Assembled -- Easy to Install
- Completely Automatic Operation
- New, Improved Design

Grow beautiful tropical plants, flowers, orchids with Standard Humidifier's uniform, fog-like vapor. Wall bracket, ceiling hung or free-standing models install quickly, operate on house current and water supply. Dependable 24-hour operation with newly improved automatic controls. Compact, lightweight, trouble-free. Write or call with greenhouse size for a free illustrated brochure, prices and recommendation...



STANDARD HUMIDIFIER

Division of Humi-Temp, Inc.
87 Tiogue Avenue, West Warwick, RI 02893
Tele: (401) 823-1776 FAX: (401) 823-3111

Classifieds

Exotic TROPICAL and TEMPERATE PLANT SEED—Rare and common species from trees to annuals, FREE catalog. JUNGLE FEVER, P.O. Box 130315, Birmingham, AL 35213.

SOCIETIES

The Hoya Society International. Quarterly Bulletin \$18 per year. P.O. Box 54271, Atlanta, GA 30308.

TREES

Trees, shrubs, perennials. Container grown, outdoors. Catalog \$2. OWEN FARMS, Rt. 3, Box 158-AAH, Ripley, TN 38063-9420.

WATER GARDEN VIDEO

New Water Garden Video! Learn from the professionals on how to water garden. Send \$2.50 for a complete color catalog from America's oldest water garden specialist. WILLIAM TRICKER, INC., 7125 Tanglewood Dr., Independence, OH 44131. (216) 524-3491.

WOODY ORNAMENTALS

Distinctive woody ornamentals. We offer a wide variety of plants in 3" up to 6" pots. For mail order catalog write D & H PATERSON NURSERY, P.O. Box V, Hurluck, MD 21643.

THE GROW PRO®
Automatic Fertilizer Injector
The ONLY way to fertilize with drip/ sub-surface irrigation.



Attaches to faucet. Holds 1 pint * water-soluble fertilizer. Includes fill funnel & backflow prevention device. \$24.95 PPD *Other sizes available.

TFS SYSTEMS • 8733 Magnolia, #100 AH • Santee, CA 92071 (619) 449-6408

SEED POTATOES



We offer over 88 organically grown heirloom, new & fingerling cultivars with various skin & flesh colors...something for every gardener...catalog \$1 refundable.

Ronniger's Seed Potatoes
Rt. AH, Moyie Springs, ID 83845

IT'S YOURS FREE!

1990 SEED CATALOGUE



Thompson & Morgan

WORLD'S LARGEST AND MOST FAMOUS SEED CATALOGUE

THOMPSON & MORGAN INC.
DEPT. 24-0 JACKSON, NJ 08527

WILDFLOWERS
hardy, easy, reliable, showy



from our nursery to your garden. Send \$2.00 for 40 page descriptive catalogue or SASE for list of wildflowers, hardy ferns, perennials.

SUNLIGHT GARDENS
Rt. 1 Box 600-AH8
Andersonville, TN 37705

Want to locate a MISSING SPOUSE, FRIEND, or DEBTOR? The "HOW TO FIND MISSING PERSONS MANUAL" will let you do it FAST, from within the privacy of your home. Earn money locating for others. Free consultation for one (1) year. Send \$79.95 to:

FINANCIAL TRAINING INSTITUTE, INC.
5100 WEST 164th STREET SUITE 21
CLEVELAND, OH 44142

Letters

Thanks for the Memories

What an unexpected pleasure to see the article in the December issue on "The Devoted Volunteers of Cranbrook House" by June L. Hicks.

For six years, from age 11 to 17, probably the most impressionable of my life, I was privileged to attend Kingswood School, directly across the lake from Cranbrook House. I was startled by the reminder of the old boat house, which I had not thought of for over fifty years. We were allowed to canoe on the lake, and that old building held a special fascination. Thanks for the article and lovely photos.

Donna Valley Russell
Middletown, Maryland

More 'Remembering'

Your December article, "Remember Me in Flowers," was most interesting and intriguing. It personalized many plants I grow without pausing to consider their names. They are now my good friends.

I would like to add to your list one of my favorite house plants, the winter-blooming forest lily, *Veltheimia*, one of the few names whose origin I know. It was named for August Ferdinand Count Veltheim (1741-1801), a German supporter of botanical studies.

Adele Kleine
Winnetka, Illinois

In reference to "Remember Me in Flowers," Stephen Hales was a multifaceted scientist; he became the first person to measure blood pressure when he cannulated an artery in the neck of a horse.

As for the mountain silverbell, *Halesia carolina* var. *monticola*, being a small tree . . . it becomes 100 feet tall in the southern Appalachians and I have a 50-foot youngster in my garden . . . hardly a small tree.

Nickolas Nickou
Branford, Connecticut

Hortus III, on which American Horticulturist bases its horticultural nomenclature, lists *H. carolina* and *H. monticola* as separate species. It indicates that *H. monticola* grows to 100 feet, but that *H. carolina* only gets about 40 feet tall. Michael Dirr, in his Manual of Woody Landscape Plants, says that *H. carolina* grows to 80 feet.

Tending the Earth

I very much appreciated Carolyn Marsh Lindsay's "Commentary" in the December issue. Gardeners face tremendous life-or-death choices involving the designed landscape. It is great to see it expressed and linked to the greater ecology of Mother Earth. Gardeners, as some of her tenders, do set an example.

Steven Lawn
San Francisco, California

AHS MEMBERSHIP SERVICES

Your satisfaction with our member service is very important to us. If you have a question or problem concerning your membership, please contact the Membership Department for assistance.

You can help by giving complete information when you call or write. Please refer to the five digit number which is on the mailing label on your magazine or news edition. The number helps us to quickly identify your membership record for corrections.

Changing Your Address?

Please allow 6-8 weeks advance notice. Attach a mailing label and fill in your new address.

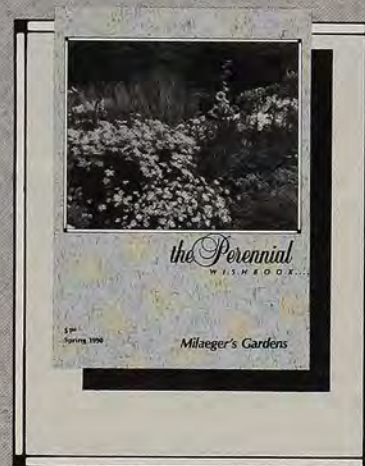
Milaeger's PERENNIALS

1990 Spring WISHBOOK

WITH OVER
40 YEARS EXPERIENCE
TO GROW ON

We'll treat you first class. There's no waiting for our catalog. Send us \$1.00 today and we'll send it to you promptly, first class.

Our Spring Wishbook tells you how to grow plants, not just how to buy them. Over 800 varieties of hardy plants are featured in this 80 page, full color, informative book. Make your dream garden a success. Get started today—we'd be glad to help.



Perennials

Roses

Prairie Grasses

Prairie Wildflowers

Herbs

Milaeger's Gardens

4838 Douglas Avenue,
Racine, WI 53402-2498
Phone: (414) 639-2371
Fax: (414) 639-1855
Order Toll Free: 1-800-325-0305

Pronunciations



These elongated yellow flowers give Billardiera longiflora its name. It is among the many unusual plants to be found in Betty Miller's garden near Puget Sound. (See article, page 22.)

Abies koreana AY-beez kore-ee-AIN-ah

Acer davidii AY-ser day-VID-ee-eye

A. ginnala A. gin-NAL-lah

A. japonicum A. jah-PON-ih-kum

A. truncatum A. trun-KATE-um

Arbutus menziesii
are-BUTE-us men-ZEES-ee-eye

Arctostaphylos uva-ursi
ark-toe-STAFF-il-ose oo-vah-UR-sigh

Arisaema nikoense
air-iss-SEEM-ah ne-koe-ENS-ee

Asarum shuttleworthii
ass-AIR-um shut-el-WORTH-ee-eye

Billardiera longiflora
bi-lar-dee-EAR-a long-i-FLOR-ah

Blechnum tabulare
BLEK-num tab-yew-LAIR

Buddleia BOOD-lee-uh
Carpinus betulus car-PINE-us BET-yew-lus

Cassiope cass-EYE-o-pee

Ceanothus kee-ah-NO-thus

Celastrus scandens sea-LAS-trus SKAN-denz

Ceratostigma plumbaginoides
cer-at-oh-STIG-mah
plum-bag-in-oh-IDE-ezs

Cladrastis sinensis
klah-DRASS-tis sin-EN-sis

Clematis macropetala
klem-ATE-us mack-ro-PET-ah-la

Coptis quinquefolia

KOPT-is kwin-kwe-FOLE-ee-uh

Cornus canadensis
KOR-nus can-ah-DEN-sis

C. kousa var. *chinensis*
C. KOO-sah var. chin-EN-sis

Cotoneaster microphyllus
koe-tone-ee-AST-er my-crow-FIL-us

Cunninghamia lanceolata
cun-ning-HAM-ee-uh lance-ee-o-LATE-ah

Dacrydium laxifolium
dah-KRID-ee-um lacks-ee-FOLE-ee-um

Decaisnea fargesii
de-KAISZ-nee-ah far-GEEZ-ee-eye

Disanthus cercidifolius
dis-AN-thus ser-si-di-FOLE-ee-us

Enkianthus chinensis
enk-ih-AN-thus chin-EN-sis

E. campanulatus E. cam-pan-yew-LATE-us
Epigaea asiatica

ep-ih-JEEH-ah ay-zee-AT-i-kah

E. repens E. REP-enz

Epimedium perralderanum
eh-pih-MEAD-ee-um pe-ral-de-RAIN-um

Eriobotrya japonica
eh-ree-o-BOT-ree-a jah-PON-ih-kah

Euptelea polyandra
yew-TEAL-ee-ah pol-ee-AIN-dra

Fothergilla major foe-tha-GILL-a MAJ-or

Garrya elliptica GAH-ree-ah e-LIPT-i-ka

Gaultheria adenostrix

gaul-THEER-ee-uh ah-DEEN-o-thricks

G. miqueliana G. mi-guel-ee-AIN-a

G. shallon G. SHAH-lon

Gaylussacia brachycera
gay-lew-SACK-ee-uh brack-ih-SER-ah

Ginkgo biloba GINK-oh by-LOW-bah

Gunnera hamiltonii
GUN-er-ah ham-il-TONE-ee-eye

Heuchera HEW-ker-a

Holodiscus discolor
hole-oh-DISC-us DIS-kol-er

Imperata cylindrica var. *rubra*
em-pur-ATE-ah si-LIN-dri-ka var.
ROO-bra

Juniperus virginiana
joo-NIP-er-us vir-gin-ee-AIN-a

Kalmia microphylla
KALM-ee-uh my-crow-FIL-ah

Koelreuteria paniculata
kol-rew-TEAR-ee-uh pan-ick-yew-LATE-ah

Ledum glandulosum
LEE-dum glan-dew-LOSE-um

Linnaea borealis LIN-ee-ah bore-ee-AL-is

Lithocarpus lith-o-CARP-us

Lysichiton camtschatcense
ly-sih-KYTE-on kamt-shot-KEN-see

Malus sargentii MAL-us sar-GENT-ee-eye
Meconopsis meck-on-OP-sis

Metasequoia meh-tah-see-QUOY-ah
Monotropa uniflora

moe-NOT-rope-ah yew-ni-FLOR-a

Nothofagus antarctica
no-tho-FAG-us an-ARK-tih-ka

N. dombeyi N. DOM-bee-yah

N. procera N. pro-SER-a

Ophiopogon planiscapus
oh-fee-oh-POGE-un pla-nis-KAPE-us

Paeonia pee-OWN-ee-uh

Parrotia persica
pah-ROT-ee-uh PER-sih-kah

Parrotiopsis jacquemontiana
pah-ROT-ee-op-sis

zhahk-a-mont-ee-AIN-ah

Philesia magellanica
fi-LEEZ-ee-uh madge-el-LAN-i-ka

Podocarpus poe-doe-KARP-us

Polystichum munitum
po-LIST-ee-kum mew-NEET-um

Prunus laurocerasus
PRUNE-us law-ro-SER-ah-sus

Quercus Chrysolepis
QUER-kus kry-so-LEP-is

Q. reticulata Q. reh-tick-yew-LATE-ah

Q. suber Q. SOO-ber

Q. turbinella Q. tur-bin-ELL-ah
Rhododendron amagianum

ro-do-DEN-dron ah-mag-ee-AIN-um

R. basilicum R. bass-SIL-ee-kum

R. bhutanense R. boo-tan-ENS-sis

R. crinigerum R. kri-ni-JER-um

R. desquamatum R. des-quah-MATE-um

R. edgeworthii R. ej-WERTH-ee-eye
R. falconeri R. fawl-KON-a-ree
R. fictolacteum R. fik-TOLE-ak-tee-um
R. flinchii R. FLINCH-ee-eye
R. glomerulatum
 R. glow-mer-yew-LATE-um
R. impeditum R. im-pe-DEET-um
R. intricatum R. in-tri-KATE-um
R. kesangiae R. keh-SANG-ee-ee
R. × loderi R. × LODE-er-eye
R. macabeanum R. may-kay-bee-AIN-um
R. rex R. REKS
R. triflorum R. try-FLOR-um
R. yakusimanum R. ya-koo-see-MAN-um
Rhus trichocarpa ROOS try-koe-KARP-ah
Rosa rubrifolia
 ROHZ-uh rew-brih-FOLE-ee-uh
Roscoea ROSS-co-ee-ah
Rubus calycinoides
 REW-bus kal-lih-kin-oh-IDE-ezs
R. tricolor R. TRY-kul-er
Salix magnifica SAY-licks mag-NIFF-i-ka
S. rosmarinifolia
 S. rohz-mah-rin-ih-FOLE-ee-uh
Schizocodon sheez-o-CODE-on
Selaginella sell-adge-i-NELL-ah
Shortia SHORT-ee-uh
Sorbus poteriifolia
 SOR-bus poe-teh-ree-ee-FOL-ee-uh
Stantonia hexaphylla
 stan-TONE-ee-uh hex-a-FIL-ah
Symplocos coreana
 sim-PLO-coss kore-ee-AIN-a
Syringa × hyacinthiflora
 sah-RING-gah × hy-ah-sin-thi-FLOR-ah
S. × josiflexa S. × jo-si-FLEX-ah
S. meyeri S. MY-er-eye
S. oblata var. dilatata
 S. ob-LATE-ah var. dil-a-TATE-ah
S. patula S. PAT-yew-lah
S. × prestoniae S. × pres-TONE-ee-ee
S. reflexa S. ree-FLEX-ah
S. vulgaris S. vul-GAIR-is
Thalictrum kiusianum
 thah-LICK-trum key-use-i-AIN-um
Trachycarpus fortunei
 tray-kee-CARP-us for-TUNE-ee-eye
Trillium TRIL-lee-um
Tripetaleia paniculata
 try-peh-TALE-ee-uh pan-ick-yew-LATE-ah
Trochodendron aralioides
 tro-koe-DEN-dron ah-rail-ee-oh-IDE-ezs
Tsusiophyllum tanakae
 sue-sih-o-FIL-um tah-NAKE-ee
Uncinia rubra yew-CIN-ee-uh ROO-bra
Vaccinium ovalifolium
 vack-SIN-ee-um o-val-i-FOL-ee-um
V. ovatum V. o-VATE-um
Vancouveria chrysantha
 van-koo-VER-ee-uh kri-SAN-tha
V. planipetala V. plan-ee-PET-el-ah
Viola verecunda var. yakusimana
 VYE-o-lah ve-ar-ah-KOON-dah var.
 ya-koo-see-MAN-ah
Vitis vinifera VYE-tus vye-NIF-er-a
Waldsteinia ternata
 wald-STINE-ee-uh ter-NATE-ah
Xanthorhiza simplicissima
 zan-tho-RIZE-ah sim-PLIS-see-mah

LEYLAND CYPRESS TREES

Long-living, fast-growing evergreens

Specially grown for thick, flexible foliage and extra wide-shape. Trees retain their branches to the ground and grow 3 to 5 feet a year. Ideal windbreak when planted 8 feet apart. Trees are in pots and can be planted now. Instructions

- Grows in marshy or dry soil
- Not affected by salt spray

Rated for Zone 7

Prices From **\$500**

Lots of 100 or more: \$4 ea.
Larger sizes available

Beautiful Leyland Cypress Trees
Make Wonderful Holiday Gifts!

MAIL ORDERS: Six (20") Trees
UPS Delivered \$51.00

Toll Free: 1-800-673-8514
We Accept VISA/Mastercharge

Open Daily:
7 a.m. to 5 p.m.

Catalpa NURSERY

Retail Wholesale

P.O. Box 1599 Easton, Md. 21601

1-800-673-8514



Ideal for: Landscaping Screens • Windbreaks

WE'VE MOVED--Same Road-New Location: US Rt. 50 to Easton By-Pass (Rt. 322) to Oxford via Rt. 333. Nursery just past Otwell Rd. - 5/4 miles from By-Pass.

GREER GARDENS

1280 Goodpasture Island Rd., Eugene, OR 97401-1794

Specializing in --

EXOTIC Rhododendrons
UNUSUAL Japanese Maples
RARE Trees & Shrubs
SPECIAL Bonsai Materials

EXCEPTIONAL COLOR CATALOG

Offering 2000 kinds of plants - ONLY \$3.00

WE SHIP ANYWHERE

Order our catalog by calling 1-800-548-0111



BEAUTIFY YOUR LIFE

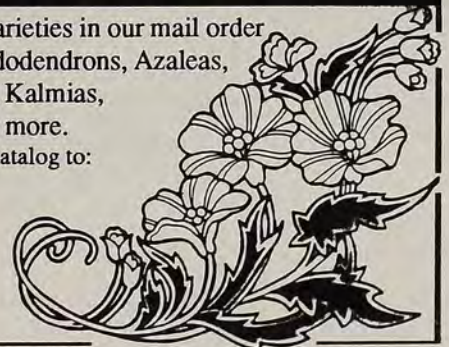
Choose from over 1500 useful plant varieties in our mail order catalog. Extensive collections of Rhododendrons, Azaleas, Conifers, Perennials, hardy Camellias, Kalmias, rare shrubs and trees and much, much more. Send \$2.00 for our descriptive mail order catalog to:

Roslyn Nursery

211 Burrs Lane, Dept. L

Dix Hills, NY 11746

(516)-643-9347





COLOR YOUR WORLD WITH SUNBLAZE™

BEAUTIFUL!

Enjoy a display of brilliant color—reds, orange, hot pinks, yellow, white—all summer long.


VERSATILE!

Placed in any sunny location, their unique size makes them perfect for a number of uses. Create dramatic effects on patios or sunny decks, in a rock garden, along a driveway or fence, or in a landscape bed. The possibilities are unlimited... the results are spectacular!

EASY TO GROW!

SUNBLAZE roses can take the heat—and the cold. They are bred to be hardy and disease tolerant, so you'll find them much easier to grow.

Available from your local garden center or nursery.

© 1990 The Conard-Pyle Co. 
West Grove, PA

Sunblaze™

ROSES IN BLAZING COLORS