

HORTICULTURE

UNIVERSITY OF WASHINGTON COLLEGE OF FOREST RESOURCES

SUMMER 2002

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Buy a Tile: Build a Lobby

Here is an exciting way to contribute to the reconstruction of Merrill Hall: Buy a tile and help us build the wonderful new lobby envisioned in this artist's sketch. Designed by the award-winning architectural firm of

Miller/Hull, this lobby will serve as a one-stop resource for the horticultural community. The space will be generous and light-filled, with a greenhouse roof. It will provide space for horticultural displays, a CUH information desk, and Master Gardener Diagnostic Clinic as well as serve as a gateway to the Miller Library and Hyde Herbarium. But this only happens with your support! The cost of a new lobby is beyond the current budget and is not part of the replacement funding for Merrill Hall.

Three Tiles: Alder, Oak and Maple

CUH is offering three types of tiles for the lobby floor. Each polished concrete tile will be engraved with a native tree leaf and up to thirty characters of text. This is an opportunity to join in creating a horticultural facility for the future, as well as to have your name, or that of a friend or family member, become a permanent part of the new building. The tiles will be arranged in a pattern on the lobby floor as a perpetual reminder of community support for the Center for Urban Horticulture. For more information about this opportunity to support CUH, see the form on page 2.



CENTER for URBAN HORTICULTURE



AN EVENING WITH PETER RAVEN:

Saving the Plants, Securing Our Future

A BENEFIT FOR THE CENTER FOR URBAN HORTICULTURE

Lecture with garden party following in the Soest Garden

Light hors d'oeuvres, wine and beer

\$40 per person; Benefactor tickets at \$100

Sunday July 28, 2002, 6:30 p.m.

Phone 206-685-8033 for reservations

Dr. Peter Raven has served as director of the Missouri Botanical Garden for 30 years. His distinguished history of achievement in botanical research and plant preservation includes receiving the National Medal of Science award from the President of the United States in 2001. He is Chairman of the National Geographic Society's Committee for Research and Exploration, Chairman of the American Association for the Advancement of Science, and co-editor of the *Flora of China*, a joint Chinese-American project that is leading to a contemporary account of all the plants of China. He has also authored numerous books and publications.

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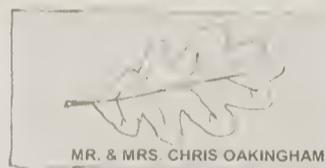
Merrill Hall Donor Tiles

Mail Form to:

CUH - Donor Tiles
UW Box 354115
Seattle, WA
98195-4115



\$250
bigleaf maple
(*Acer macrophyllum*)
12" x 12"



\$150
garry oak (*Quercus garryana*)
6" x 12"



\$85
red alder (*Alnus rubra*)
6" x 6"

Words to appear on tile _____

Please print clearly, in capital letters. Max. 20 characters, including spaces, for alder tile, max. 30 characters, including spaces, for oak and maple tiles. For an additional \$25 you may add another line (30 characters for maple and oak tiles, 20 for alder)

Check (payable to University of Washington) VISA MASTER CARD

NAME ON CARD

CARD NUMBER

EXPIRATION DATE

YOUR NAME

ADDRESS

CITY

STATE

ZIP

DAY PHONE

EVENING PHONE

E-MAIL ADDRESS

Testing for the Perfect Perennial

Ongoing plant trials at the Center for Urban Horticulture are helping to determine what perennials are best suited for northwest backyards. When strolling along the west end of the CUH grounds, three crescent-shaped perennial beds in full bloom will catch your eye. You may not realize that these plots represent one of nine test sites around the United States with the results used to provide growing information to nurseries, and ultimately, the home gardener.

Blooms of Bressingham North America (BOBNA) is the North American arm of Blooms of Bressingham, U.K., a network of test sites, growers and distributors of perennials throughout the world. Alan Bloom started the business in 1926 in southern England as an offshoot of his popular gardens. His son Adrian kept the gardening bug in the family and is now president of Blooms of Bressingham, U.K.

Some floral favorites that bear the Blooms of Bressingham label include Geranium 'Ann Folkard' and Fragaria 'Pink Panda'. Many of the perennials are bred in Great Britain, although a few such as the Lovely Lady Daylilies were discovered and bred in North America.

The cool temperate climate of the northwest provides a unique growing environment for perennials. Thus the University of Washington was selected along with sites in Oregon, Georgia, Minnesota, Pennsylvania, and five other states to evaluate how the perennials perform in different parts of the country.

Criteria used in the evaluation of the perennials include overall plant vigor, foliage quality, color and texture, flower color quality, bloom stalk strength, bloom display/floral impact, and resistance to pests and diseases.

Barbara Selemon, CUH plant propagator, designed the beds and assembles the team of CUH faculty, staff and students that participate in the review process. Each plant is examined weekly, and given a rating between 1 and 5 for each of the above criteria. Average ratings are calculated over the course of the season which are summarized in the final report at year's end. The

report, including a definitive ranking of the perennials, is sent to BOBNA which uses the results to educate nursery growers on how well the plants can expect to perform in their growing area.

Top-scoring perennials in 2001 (see photos below) are sure bets to provide long-lasting color and interest in your northwest garden. All but Geranium 'Rozanne' are available this year in local nurseries. Look for Roz in the spring of 2003.



Geranium 'Rozanne' is a nonstop bloomer with bright blue flowers.



Hemerocallis 'Lady Lucille' has bright orange 6" flowers with yellow-gold midribs.



Fragaria 'Red Ruby' has dark pink blooms from April to October and has a neat, compact growth habit.

photos courtesy of Blooms of Bressingham, Ltd.

News from CUH

The ultimate Garden Auction for the library was held May 5, 2002, and the money NHS raised from this event went into a fund to buy furniture for the new library. Despite the chilly evening, 150 gathered to eat, drink and bid on an enticing array of designer containers, special plant collections and one-of-a-kind garden events. Many thanks to NHS for investing in the library's future. If you'd like to contribute to the library furnishing fund, please call Librarians Val Easton or Brian Thompson at 206-543-0415.

Please note the library's summer hours:
Monday: 9 a.m. to 8 p.m. Tuesday through Friday: 9 a.m. to 5 p.m. Saturday: 9 a.m. to 3 p.m. CLOSED ON SATURDAYS in July and August. The library website at www.millerlibrary.org has updated lists of local plant sales and plant tours as well as links to a variety of gardening resources.

Continue to send your puzzling plant questions to the Miller Library Plant Answer Line. Here are a recent sampling of submitted inquiries:

QUESTION: Is there a non-toxic home remedy I can use for powdery mildew on roses?

ANSWER: The recipe recommended by the Local Hazardous Waste Program of King County is 1 teaspoon baking soda mixed into 1 quart of water. Add a few drops of liquid soap. Test the spray on a few leaves to be sure they aren't too sensitive.

QUESTION: We have a steep bank leading up to our house. At the bottom of the bank is a busy street. What trees are best to grow to hold the bank over time?

ANSWER: The Washington state website at www.ecy.wa.gov/programs/seal/pubs/93-30/ provides good answers for an explanation of slope stabilization. It also has lists of plants appropriate for holding slopes.



QUESTION: My landscaper planted 10 fish-tail ferns (*Nephrolepis biserrata* 'Furcans') in direct sunlight but they are failing. Is it right that they need sunlight?

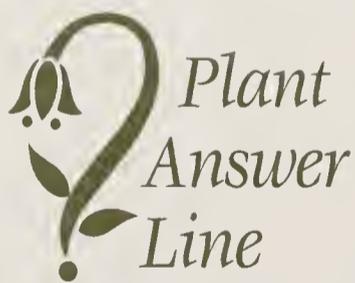
ANSWER: *The Royal Horticultural Society Encyclopedia of Garden Plants*, ed. Christopher Brickell, v.2, 1996, p. 702 says "...Outdoors, grow in moderately fertile, moist but well-drained humus-rich soil in partial shade."

QUESTION: Can you tell me where I can buy a *Begonia* Sp. U254? My old one died.

ANSWER: The "U254" means it was an unregistered *Begonia* so, unfortunately, a replacement will be available only by accident/luck. (Source: *Begonias: The Complete Reference Guide*, by M.L. Thompson, 1981, p. 332.)

QUESTION: We are going to rip out a hillside and small forest of English ivy. It can't be composted, so what should we do with it?

ANSWER: The website www.noivyleague.com contains thorough explanations about control and removal of English ivy.



The Plant Answer Line is open from 9 a.m. until 5 p.m. Monday through Friday. Call UW PLANT, 206-897-5268, or e-mail your question to: hortlib@u.washington.edu

Sustainable Community Landscapes

The Sustainable Community Landscapes (SCL) consortium, under the direction of Dr. Linda Chalker-Scott, spent spring quarter working on a landscape rehabilitation at Frink Park. Students worked alongside community members to clear a sloped area along S. King Street of invasive species. Native species, including deer fern, snowberry, and indian plum, were replanted at the site. To learn more about these and other SCL projects, visit their website at: www.cfr.washington.edu/research.mulchl.

On August 15, the SCL consortium will be sponsoring a symposium and discussion for regional educators interested in sustainability issues. The goal is to bring together groups from schools, governmental agencies and non-profits to discuss their plant-science and sustainability programs and opportunities for new partnerships. For more information contact Angie Cahill at 206-543-6828.



UW-Restoration Ecology Network

The UW-Restoration Ecology Network (U-WREN) serves as a center of ecological restoration and conservation, integrating student, faculty and community interests. As natural landscapes in the Pacific Northwest are rapidly becoming urbanized, there is a growing need for this effort.

Students in the three-term restoration ecology course learn during the year how to plan, design, install, and monitor a restoration project in a team environment. The class is a joint effort between the UW campuses in Seattle, Bothell, Tacoma and is taught by Dr Kern Ewing and Dr. Warren Gold. Five sites were selected in the Puget Sound region, including Licton Springs Park, Union Bay Natural Area, Lawton Park, and Frink Park.

The public can follow the projects' progress on their website (depts.washington.edu/uwren/capstone/capstone.htm). Students worked hard this spring to remove invasive species such as Himalayan blackberry and English ivy and install native plant landscapes. When class ends in June, several of the sites will also have educational signage to identify the area. Not only will students have received valuable training in restoration ecology from this class, but our urban areas will benefit.

Come all tree lovers!

Don't miss this FREE event! The best tree show in town will be held at Volunteer Park on Sunday, July 28. See the fastest tree-climbers in the world vie for the title in the 2002 International Tree Climbing Championships. The competition is part of a Field Day sponsored by the International Society of Arboriculture (ISA). Tree-related activities will run all day. Some of the highlights are:

Tree-climbing contests: Preliminaries begin at 8 a.m. Finals held between 2 and 4:30 p.m. for both men's and women's divisions. Events include speed climbs up a 40 foot rope, a Master Climb, or up-the-tree slalom, and a tree-limb walk.

Children's Jamboree and Kids' Climb: 10 a.m. until 2 p.m. Kids will be provided with ropes, saddle and helmet and will get the chance to play arborist.

Tour des Trees: Welcome the Tour des Trees bike riders as they complete their week-long ride for promoting awareness of urban forestry.

Educational exhibits: Learn about the organizations that are involved in tree stewardship and what you can do to help preserve our urban forests.



Arboretum Foundation

Interested in Volunteering?

Help is needed for special events, the Foundation office, education programs, and special projects around the Arboretum. Call Elaine Anderson at 206-325-4510.

Fall Bulb and Plant Sale

Sunday, October 6, 10 a.m. to 3 p.m.
Hundreds of spring-blooming bulb varieties, plus trees, shrubs and many surprises from leading Northwest vendors and nurseries.

Arboretum Plant Sales

Propagated plants, some from the Arboretum collection, for sale at the Pat Calvert Greenhouse, Tuesdays, year 'round from 10 a.m. to noon. Donated plants Wednesdays and second Saturdays through October, 10 a.m. to 2 p.m.

For more information on Arboretum Foundation events, please call the events hotline at 206-726-1954 or visit the Foundation website at: www.orgsites.com/wa/arboretumfoundation/.

Tidbits

Allergy-free Gardening

For those allergy-prone individuals who want a sniffle-free garden, avoid wind-pollinated plants and instead choose insect-pollinated plants. Some of these include alyssum, begonia, clematis, daisy, dusty miller, geranium, hosta, impatiens, pansy, petunia, phlox, rose and zinnia. For a complete list, visit the American Academy of Allergy, Asthma and Immunology website at www.aaaai.org/.

Clopyralid Ban

The Washington State Department of Agriculture banned consumer use of clopyralid herbicides on residential lawns. This will prevent the herbicide from contaminating municipal compost that originates from landscape waste. WSDA is considering additional restrictions for the herbicide. For updated information on clopyralid issues, see www.css.wsu.edu/compost/.

Plant Hardiness Zone Map is Updated

The USDA Plant Hardiness Zone Map is being updated by the American Horticultural Society which plans to produce it on a CD and make it available on the Internet. The society received a grant from the USDA for the project. The map was first published in 1960, and the last revision was made in 1990. The new map will have fifteen hardiness zones, up from eleven. The four new zones are semi-tropical and tropical. See the AHS web site: www.ahs.org.

volunteer

NEWS AND OPPORTUNITIES

Thank you! Thanks to the many volunteers who tirelessly and enthusiastically provide support in a variety of ways at CUH and the Washington Park Arboretum. Special acknowledgements were presented this year to Craig Hobson of Union Bay and Rich Scheyer of WPA, recipients of the Brian Mulligan Volunteer Award for outstanding service.

Union Bay Opportunities:

Union Bay Reception Desk: Interact with visitors, faculty, staff, and students while helping out with phone calls and answering general questions. Several shifts are available. Call Ray Larson at 206-616-9113 for more information.

Hands-On Work in the Container Nursery: Volunteers needed to help in the container nursery with work involving both woody ornamental and native plants. Activities such as transplanting, labeling, fertilizing and other maintenance tasks are ongoing. Special projects involving propagation or plant evaluation are performed seasonally. Call Barbara Selemon at 206-685-2613 for more information.

Rare Care Monitors Needed: Rare Care is looking for seed collectors and seed processors to begin late this summer. Seed collection will take place all over Washington state; seed processing will occur at CUH. Collectors need to have some botanical skills to identify plants and seeds. If interested, please contact Laura Zybas at 206-616-0780 or lzybas@u.washington.edu.

Gardening at Union Bay Campus: Join a hands-on crew the 2nd Thursday of each month between 10 a.m. and 2 p.m. for gardening-related activities on CUH grounds. No experience necessary, just bring gloves and small hand tools and dress for the weather. Part training, part idea exchange, part gardening.....enjoy it all with other plant and CUH-appreciative folks. Call Peg Pearson at 206-524-5564.

Work with Youth in Garden Sites: Seattle Youth Garden Works is currently in need of caring adult volunteers to work with youth at their University District garden site. Call the SYGW office at 206-525-1213, extension 3133.



CUH Director Tom Hinckley presents Rich Scheyer with the Brian Mulligan Volunteer Award at the Volunteer Recognition Event held April 17.

Arboretum Opportunities:

Volunteer Groups and Individuals needed: Volunteers provide a vital source of support caring for Arboretum plant collections and managing invasive weeds. Become a regular Tuesday gardener every week from 12:30 and 3:30 p.m. Tasks will vary with the season. Community service groups are also encouraged to lend a hand in one of many areas needing attention. Many hands make light work. Work parties can be scheduled throughout the year. Please phone David Zuckerman at 206-328-4182.

WPA Information Desk: Greet visitors, share your enthusiasm, answer questions, and interact with staff and other volunteers in the stimulating environment at the Arboretum. Shift times are either half or whole days, once a week. Call the Building Manager at 206-543-8800.

Saplings Guide Training: September 9 - 13 Training is just around the corner and we are eager to fill each volunteer position. Saplings guides are asked to commit to one program a week for twelve weeks in the fall. New guides must attend at least one training session from 9 a.m. to noon September 10th and/or 12th. All levels of experience are welcome. If you have any questions or would like to sign-up for training, please call us at 206-543-8801.

classes AND PROGRAMS

Feng Shui in Val Easton's Garden

DATES & TIMES: *Wednesday, July 17, 7 to 9 p.m. & Saturday, July 20, 10 a.m. to noon*

INSTRUCTOR: *Victoria Coen, Certified Feng Shui Practitioner and Consultant*

GARDEN HOST: *Valerie Easton, Garden Writer and Manager of the Miller Hort Library*

LOCATION: *Part 1: Douglas Classroom, CUH
Part 2: Val Easton's garden*

FEE: *\$45*

Join consultant and therapist Victoria Coen in the garden of author Val Easton for an evening and morning of Feng Shui. Listen in while Victoria advises Val on ways to improve her garden using the principles of Feng Shui, the ancient Chinese art of placement. Part one of this two-part class will meet at CUH and will cover Feng Shui basics of using color, sound, water, placement and plant selection. In part two, students will tour Val Easton's garden, recently featured in her book "Plant Life". Enjoy light refreshments while watching the principles of Feng Shui applied first-hand.

The Good, the Bad and the Ugly of Groundcovers

DATE & TIME: *Monday, July 22, 7 to 8:30 p.m.*

INSTRUCTOR: *Barbara Selemon, CUH Plant Propagator*

LOCATION: *Douglas Classroom, CUH*

FEE: *\$25 general public, \$22 Arboretum Foundation members; pre-registration required*

This class will explore the boundary lines of groundcovers, celebrate the sensual attributes they provide and will teach how to successfully establish and maintain them for weed exclusion. Come for a brief slide show followed by a tour of the CUH gardens to see living examples of a variety of groundcovers that will improve your landscape and lower your maintenance demands.

Summer Pruning of Fruit Trees

DATE & TIME: *Saturday, September 14, 9 a.m. to noon*

INSTRUCTOR: *Chuck Holland, President, Western Washington Fruit Research Foundation*

LOCATION: *Douglas Classroom, CUH*

FEE: *\$25 general public; \$22 Arboretum Foundation Members; pre-registration required*

Late summer pruning is essential for certain fruit trees such as plums. Chuck Holland, pruning instructor at Edmonds C.C., will demonstrate the proper technique for pruning mature trees. Fundamental pruning techniques and tools will be briefly covered. Next you will head to a delightful century-old garden for a demonstration and hands-on practice session. Bring loppers, gloves, and hand pruners.

Designing and Building Stone Paths and Terraces in your Garden

DATE & TIME: *Thursday, September 26, 7 to 9 p.m.*

INSTRUCTOR: *Phil Wood, Garden Designer & Writer*

LOCATION: *Douglas Classroom, CUH*

FEE: *\$25 general public \$22 Arboretum Foundation Members; pre-registration required*

Garden paths and terraces are among the most important elements of the garden. Building them in stone is well within reach of the homeowner. With the design and construction techniques in this course you will be able to create beautiful, useful and long-lasting stone paving. The instructor, Phil Wood, has designed and built many award-winning gardens. His work can be viewed on his website at www.philwoodgardens.com.

walks and tours

Bainbridge Island Garden Tour

DATE & TIME: *Friday, July 26, 8:30 a.m.*
LOCATION: *tour leaves from CUH parking lot*
FEE: \$65

Tour several outstanding private gardens on Bainbridge Island on this all-day garden tour. From waterfront to woodland, from art-laden to plant-laden, these gardens are special and so are the gardeners that created them. Stop for lunch at Bainbridge Gardens Nursery. Fee includes lunch and transportation. Space is limited, so sign up early.

Neighborhood Plant Walk: Laurelhurst

DATE & TIME: *Saturday, August 17, 9:30 to noon*
INSTRUCTOR: *Bess Bronstein, Horticulture Instructor and Consultant*
LOCATION: *Laurelhurst Community Center, 4554 N.E. 41st*
FEE: *\$25 general public, \$22 Arboretum Foundation members; pre-registration required*

Walk with horticulturist Bess Bronstein through the Laurelhurst neighborhood, looking at gardens and observing plants and plant combinations from the sidewalk. Enjoy the plant wealth found in this city, brought to you by your fellow gardeners. This is the first in a series of plant walks through the many varied neighborhoods of Seattle.

practical gardening lectures

These lectures and demonstrations for beginning gardeners are planned jointly with the WSU Cooperative Extension Community Horticulture Program. They are presented by Cooperative Extension staff and experienced WSU Master Gardeners.

Cool Season Vegetable Gardening

DATE & TIME: *Tuesday, July 9, 7 to 8:30 p.m.*
INSTRUCTOR: *Master Gardeners from the Demonstration Garden Group*
LOCATION: *Douglas Classroom, CUH*
FEE: \$10

This hands-on class will teach you how to turn your seasonal vegetable garden into a year-round source of healthy produce. Planting of kales, greens, onions, broccoli and other crops will be covered. You'll plant a six-pack of seeds for your cool-weather garden and receive a calendar for fall planting.

Eliminating those Tough, Woody Weeds

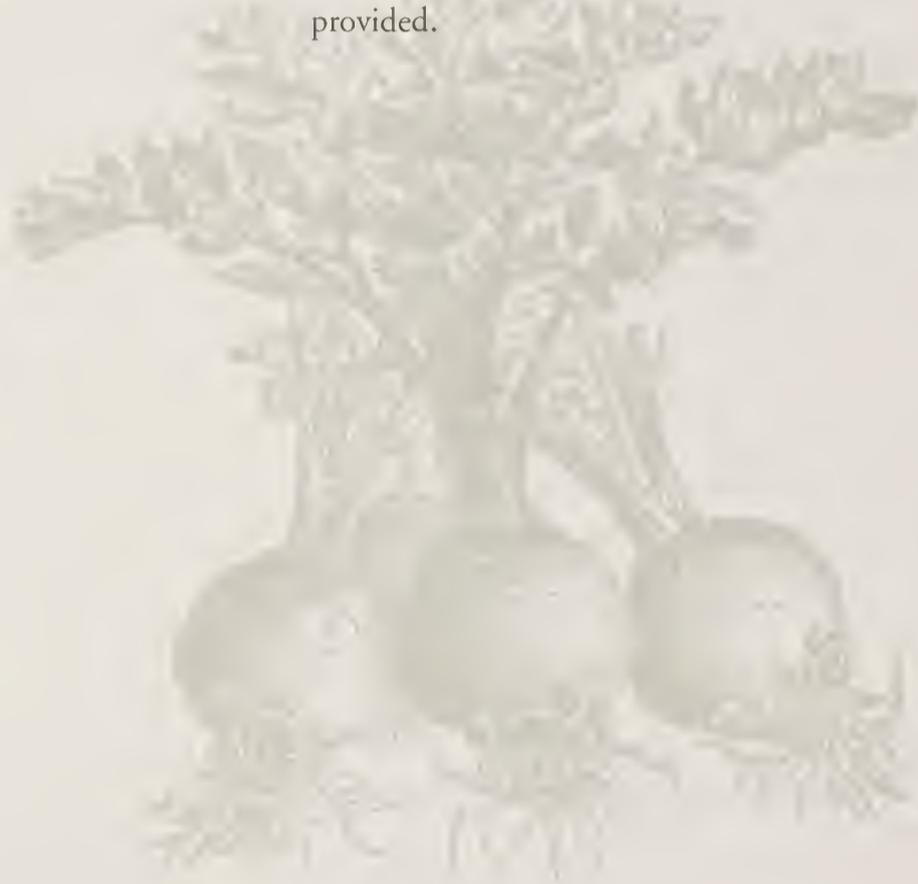
DATE & TIME: *Tuesday, August 6, 7 to 8:30 p.m.*
INSTRUCTOR: *Joan Helbacka, Program Coordinator, Master Gardeners Program*
LOCATION: *Douglas Classroom, CUH*
FEE: \$10

Blackberries, scotch broom, horsetails...these scoundrels are all too familiar in our northwest backyards. This class will cover general weed management for tough weeds, but will emphasize the large, woody weeds that are particularly difficult to remove and manage.

What's Wrong Here: The Basics of Diagnosing Plant Problems

DATE & TIME: *Tuesday, September 24, 7 to 8:30 p.m.*
INSTRUCTOR: *Mary Robson, Area Extension Agent*
LOCATION: *Douglas Classroom, CUH*
FEE: *\$10*

Learn how to figure out what's causing those plant problems in your backyard. Bring in your plant problems, and Mary Robson along with members of the Master Gardener Plant Diagnostic group will lead you step-by-step through diagnosis and management of the problem. Resource lists will be provided.



arboretum guided tours

Weekend Walks at One

Weekend walks highlight areas of the Arboretum and collections with seasonal interest. Walks depart from Graham Visitors Center Saturdays and Sundays at 1 p.m. Call ahead to ensure a weekend tour. Please phone 206-543-8801.

Enjoy the seasonal splendor of the Arboretum. Tours are led by trained Arboretum guides and last from 60 to 90 minutes. Topics include plants of seasonal interest, Foster Island ecology, native plants, and ethnobotany. Tours are available year-round between 10 a.m. and 3 p.m., seven days a week. Fees are \$15 per group of 15 or \$10 for Arboretum Foundation members. Call 206-543-8801 to reserve a guide; three weeks advance reservation required.



youth and family programs

For more information or to schedule the following programs, contact the Arboretum Education Office, weekdays 8 a.m. to 5 p.m. at 206-543-8801.

Self-Guided Family Packs

Investigate the wonders of the Arboretum using our self-guided pack program. Arboretum packs come with easy-to-follow activities, maps, field guides, games and more. Family Packs are designed for groups of five or fewer. They are available year-round from 10 a.m. to 3 p.m. at the Graham Visitors Center Front Desk. \$5 fee for two-hour rental. FREE to Arboretum Foundation Members and Arboretum Guides.

FAMILY TREE PACK (Grades K-3) Investigate the wonders of a living museum. Focus on leaves, buds, flowers, fruit and bark. Learn about pollination by doing it yourself!

WETLAND WONDERS (Grades K-3) Take a safari to Foster and Marsh Islands along the Waterfront Trail. Go on a wetland scavenger hunt, collect aquatic insects and play games. Pack comes with binoculars!



Summer Day Camp 2002 at the Arboretum

An all-day program (8:30 a.m. to 4 p.m.) designed for children entering 2nd through 5th grade. To register call UW Educational Outreach at 206-543-2310.

The Washington Park Arboretum is a living museum emphasizing trees and shrubs. Think of it as a zoo for trees! Come explore the Arboretum through two educational programs that integrate art, science, environmental games, and creative writing. Discover the fascinating world of plants and the ecology of an urban wetland.

NATURE DETECTIVES YOUNGER (students entering 2nd and 3rd grades)

DATES: *Session A - Conf #935(A1) July 22-26*
Session B - Conf #935(B1) July 29-
August 2

FEE: *\$185; refund deadline 4 weeks prior to first day of class*

Explore the Arboretum using your senses. Use your nose to guide you along a scent trail. Find your special tree blindfolded. Run wild playing games! Do a pond dip and search for critters of all shapes and sizes. Take a trip around the world by following clues in a vacation scavenger hunt. It's all a mystery until you become a Nature Detective at the Arboretum!

NATURE DETECTIVES OLDER (students entering 4th and 5th grades)

DATES: *Session C - Conf #935(C1) Aug 5-9*
Session D - Conf #935(D1) Aug 12-16

FEE: *\$185; refund deadline 4 weeks prior to first day of class*

Come unfold nature's mysteries. Now is your chance to join a crew of Nature Detectives who will get down and dirty this summer (maybe wet, too!) while exploring everything from wetlands to forest ecology at the Arboretum. Have you ever used plant dyes or discovered the hidden pigments in leaves and bark? Make your own tie-dyed t-shirt. Look into the past with fossils and learn cool facts about trees and their history. Many exciting adventures await your arrival!



Arboretum Explorer Packs

Great for teachers, scouts, camps, daycare and other youth groups. Lead your own group on an exploration of this unique living museum. Explorer Packs are filled with fun activities, games, maps and equipment for investigating. Explorer Packs are available year-round from 10 a.m. to 3 p.m. with a required two-week pre-registration. A two-hour rental fee is \$15. Explorer Packs are designed for 15 kids working individually or for 30 kids working in pairs.

TREE-TECTIVE Come sleuthing in the Arboretum and learn amazing facts about trees. This pack includes hand lenses, magnifiers, field guides, games and even “tree cookies!”

MARSH MADNESS Investigate the amazing critters and plants that make the wetland their home. This pack includes dip nets, aquaria, field guides, scavenger hunts and more.

AUTUMN ADVENTURES (Sept to Nov). Autumn adventures is designed to help youth track the changes of fall and the changes in trees over seasons and millions of years. Compare leaf fossils and see how plants have changed over geological time.

Saplings School Programs

Explore the Arboretum with trained guides! School tours are Monday through Friday, 10 to 11:30 am. The cost is \$2.50 per child (chaperones are free). Two adult chaperones per 15 children are required. Scholarships are available. All of Saplings' curricula are aligned with the state's Essential Academic Learning Requirements. Please remember to book your reservations at least three weeks in advance.

Grades K-2: Discover Plants

Younger students gain exposure to the wonderful world of plants by using characteristics to categorize living things. Students will compare and contrast similarities between plants and people as they learn what each needs to grow and be healthy.

Grades K-3: Wetland Ecology Walk: Focus on Habitats

Explore the flora and fauna on Foster Island as you learn about who lives in the Arboretum's unique urban wetland. Learn first hand about various habitats around the Arboretum.

Grades 3-6: Life Cycle of a Plant: Fantastic Fall

As seasons change, so do the plants around us. Learn how fallen leaves cycle the nutrients back to the trees. Explore seed production and dispersal, photosynthesis and the reason for leaves changing color. Discover the secrets of autumn as you learn about the life cycle of plants from flower to fruit.

Grades 4-8: Wetland Ecology Walk: Focus on Ecosystems

Investigate the complex world of a wetland ecosystem. Foster Island provides a unique opportunity for students to study an urban wetland up close and discover the importance and functions of wetlands.

Grades 3-8: Native Plants and People

What is a native plant? Students will learn to identify several northwest native plants. Discover the historical importance of native plants to the Coast Salish people. Students will learn how native plants were used in daily life through discussion, by using hands-on artifacts and role-playing activities.

Grades 3-6: Rainforests !!NEW!!

Through a role-playing activity students will be able to identify the four layers of tropical rainforests and see who might be living there. Students will learn about the similarities and differences between temperate and tropical rainforest ecosystems. Come observe arboretum species similar to tropical species in behavior or appearance.

events calendar

FOR SUMMER 2002

JULY

- 8 **Orchid Society**, 7 p.m., CUH
- 9 **Cool Season Vegetable Gardening**, 7 p.m., CUH
- 17 **Feng Shui in the Garden, part 1**, 7 p.m., CUH
- 30 **Feng Shui in the Garden, part 2**, 10 a.m., Off-Site
- 11 **The Good, Bad & Ugly of Groundcovers**, 7 p.m., CUH
- 16 **Bainbridge Island Garden Tour**, 8:30 a.m., CUH

AUGUST

- 6 **Eliminating Tough, Woody Weeds**, 7 p.m., CUH
- 7 **WA Butterfly Assoc.**, 7 p.m., CUH
- 17 **Neighborhood Plant Walk: Laurelhurst**, 9:30 a.m., Laurelhurst Community Center

SEPTEMBER

- 1 **Orchid Society**, 7 p.m., CUH
- 4 **WA Butterfly Assoc.**, 7 p.m., CUH
- 9 **Orchid Society**, 7 p.m., CUH
- 9 **Iris Society**, 7:30 p.m., CUH
- 10 **PS Mycological Soc.**, 7:30 p.m., CUH
- 12 **Rock Garden Society**, 7:30 p.m., CUH
- 13 **NHS Plant Sale**, 2:30 - 6:30 p.m., CUH
- 14 **NHS Plant Sale**, 9 a.m. - 4 p.m., CUH
- 14 **Summer Pruning of Fruit Trees**, 9 a.m., CUH
- 15 **NW Perennial Alliance**, 1 p.m., CUH
- 16 **Cascade Cactus & Succulent Society**, 2 p.m., CUH
- 17 **Rose Society**, 7:30 p.m., CUH
- 17 **Audubon Society**, 6:30 p.m., CUH
- 21 **Bonsai Association**, 7:30 p.m., CUH
- 24 **Assoc. for Women in Horticulture**, 6:30 p.m., CUH
- 24 **Diagnosing Plant Problems**, 7 p.m., CUH
- 26 **Stone Paths and Terraces**, 7 p.m., CUH

JULY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

AUGUST

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

SEPTEMBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			



registration

FOR CLASSES AND PROGRAMS

To Register: Please complete and return the registration form, along with your payment to the Center for Urban Horticulture. You may also register by phone using Visa or MasterCard 206-685-8033.

Refunds: Requests for refunds on events not attended must be made in advance in writing, by phone, fax, or in person. Requests received fewer than 7 days from the first class meeting have a 25% handling fee deducted. No refunds can be made after the first class meeting. If a program is cancelled for any reason, a full refund will be made to all enrollees. Refunds may take four weeks to process.

Returned Checks: An \$18 service fee will be charged for returned checks.

Special Needs: To request disability accommodation, please contact the Disability Services Office at least ten days in advance of an event: 206-543-6450 (voice); 206-543-6452 (TTY); or by e-mail at dso@u.washington.edu.

Class Locations and Parking: Program locations are listed with each program description. The Graham Visitors Center at Washington Park Arboretum is located at 2300 Arboretum Drive East. Douglas Classroom, NHS Hall and the other meeting facilities at Union Bay are located at 3501 N.E. 41st Street. Prepaid parking is located adjacent to the buildings.

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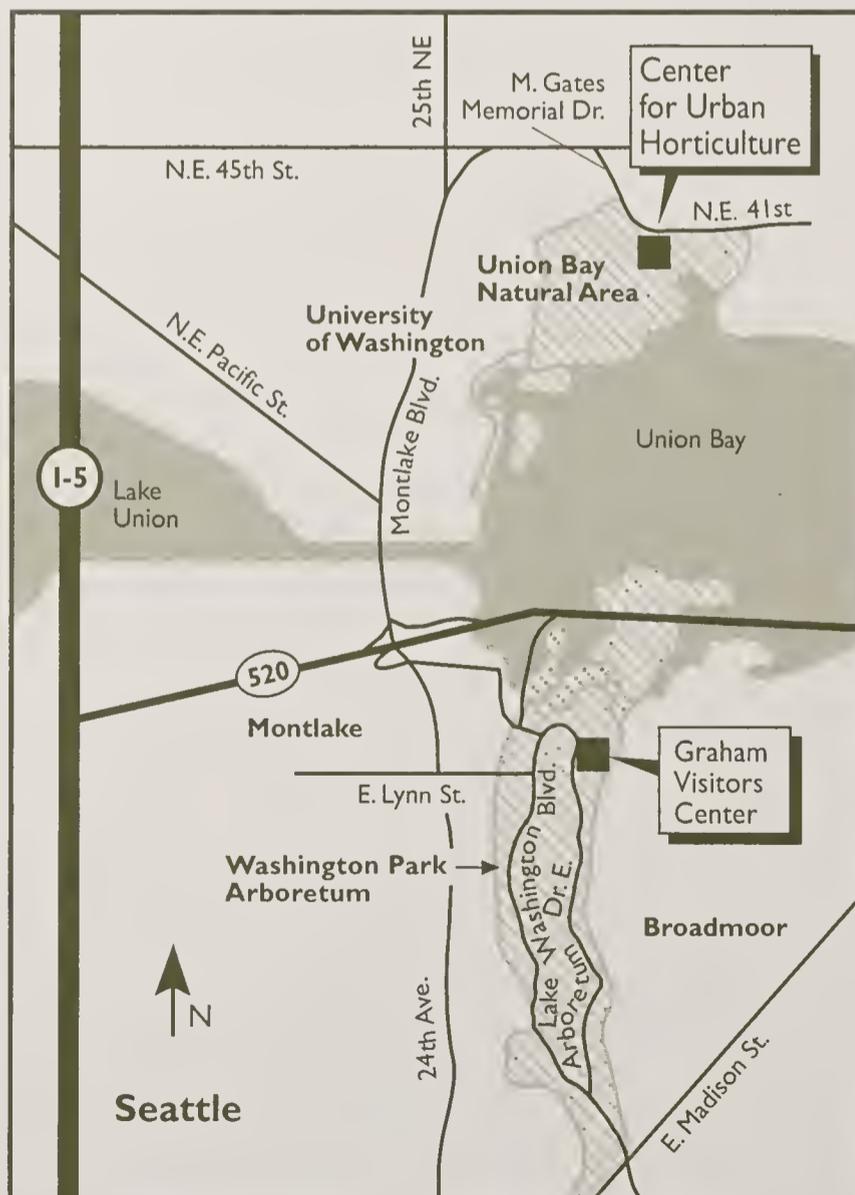
Center for Urban Horticulture

Union Bay Campus

3501 NE 41st Street
Box 354115
Seattle, WA 98195-4115
206-543-8616 (phone)
206-685-2692 (fax)
www.urbanhort.org

Washington Park Arboretum

2300 Arboretum Drive East
Box 358010
Seattle, WA 98195-8010
206-543-8800 (phone)
206-325-8893 (fax)
www.wparboretum.org



PROGRAM	FEE	AF MEMBER	# PEOPLE	TOTAL FEE
HORTICULTURE PROGRAMS				
Feng Shui in Val Easton's Garden	\$45			
The Good, the Bad and the Ugly of Groundcovers	\$25	\$22		
Summer Pruning of Fruit Trees	\$25	\$22		
Stone Paths and Terraces	\$25	\$22		
PRACTICAL GARDENING LECTURES				
Cool Season Vegetable Gardening	\$10			
Eliminating those Tough, Woody Weeds	\$10			
The Basics of Diagnosing Plant Problems	\$10			
WALKS & TOURS				
Bainbridge Island Garden Tour	\$65			
Neighborhood Plant Walk: Laurelhurst	\$25			
SPECIAL EVENT: AN EVENING WITH PETER RAVEN*				
Ticket Price	\$40			
Benefactor's Level	\$100			

*All costs above \$20 are tax deductible.

TOTAL FEE	\$
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PAYMENT

Check (payable to *University of Washington*)
 Visa
 MasterCard

CREDIT CARD NUMBER

EXPIRATION DATE

NAME ON CARD

GENERAL INFORMATION

NAME

ADDRESS

CITY

STATE

ZIP

DAY PHONE

EVENING PHONE

Mail payment and registration to:

Urban Horticulture Courses
 University of Washington
 Box 354115
 Seattle, WA 98195-4115

You may also register in person at:

Union Bay campus
 3501 NE 41st Street
 Mon.-Fri., 8:30 a.m. to 5:00p.m. or
 phone 206-685-8033

Registrations are filled in the order received. Enrollment is limited. Classes fill rapidly, so register early.

director's notes

It seems remarkable that over a year has transpired since the May 21st fire-bombing. One hates to hang anniversaries on negative events, but the year has produced some remarkable events and many very positive ones. Just like spring, the Center has begun to bloom once more. Merrill Hall becomes increasingly a reality – we now have completed schematic design and we are about to enter final design. Many of the goals set forth for the building have been achieved, largely thanks to the generous support of friends of the Center. Still others remain as dreams. We clearly see a much stronger presence of Washington State University and both the Master Gardeners and the Master Gardener Foundation. The library will be enhanced. Finally, the rebuilt Merrill will be an exciting place to work and to visit. Over the next year, we hope to develop and fund promising landscaping and garden features identified during the pre-design phase of the rebuilding process. We look to your continued participation in classes, and your continued use and enjoyment of the gardens and grounds of the Center.

TOM HINCKLEY, PhD, DIRECTOR, CENTER FOR URBAN HORTICULTURE

UNIVERSITY OF WASHINGTON CENTER FOR URBAN HORTICULTURE

The CUH mission is "to apply horticulture to natural and human-altered landscapes to sustain natural resources and the human spirit."

- Continuing and Public Education
- Douglas Research Conservatory
- Elisabeth C. Miller Library
- Otis Douglas Hyde Herbarium
- Undergraduate and Graduate Education
- Union Bay Gardens and Natural Area
- Rare Plant Care and Conservation
- Sustainable Community Landscapes
- Washington Park Arboretum

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URBAN HORTICULTURE NEWSLETTER, VOL. 19, NO. 3

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Sue Nicol, Outreach Coordinator
Jean Robins, Program Coordinator
Sandy Kirchner, Assistant Outreach Coordinator
Monica Ravin, Education Coordinator (Youth & Community Outreach)
Shawna Zuege, Arboretum Education Assistant

CUH/WPA Building & Rentals Management Staff:

Becky Johnson, CUH Facilities Manager
Ray Larson, CUH Facilities Coordinator



CENTER *for* **URBAN HORTICULTURE**

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