

# Camas Quarterly

QUARTERLY NEWSLETTER OF THE UNIVERSITY OF WASHINGTON BOTANIC GARDENS \* COLLEGE OF FOREST RESOURCES



(left) Amy Johnson, showing off a Scots broom plant, and the weed wrench she used to pull it out. (right) Expanse of Scots broom, an invasive plant being removed from Saltwater Park in Shoreline.

## Community Restoration

RODNEY POND

Successful and meaningful native habitat restoration in public places requires many hands, minds, and hearts working in cooperation to form a community. This community may consist of people who represent government agencies, nonprofits, community groups, churches, schools, universities, tribes, and others who have an interest and a stake in the land being restored. Termed community-based restoration, this approach to repairing damaged ecosystems has been promoted through the University of Washington Restoration Ecology Network capstone program over the past six years as a means to ensure the long term viability of restored habitats. Capstone project teams consist of UW students who design and install restoration projects for clients throughout Puget Sound over the course of three quarters, with support from their instructors and teaching assistant. One of this year's clients is the City of Shoreline which submitted a Request for Proposal for Saltwater Park, a shoreline park with panoramic views of the Olympic Mountains and iridescent sunsets over Puget Sound.

The steep, sandy slope on which the park lies betrays its past life as a sand and gravel mine. Largely due to the mining disturbance, the invasive evergreen shrub, Scots Broom (*Cytisus scoparius*), monotonously blankets the entire slope, with occasional natives such as madrone (*Arbutus menziesii*) and oceanspray (*Holodiscus discolor*) looking lost in the crowd. The City is currently in the early stages of a comprehensive improvement project for the park that will add such amenities as extended parking, stairs, paths, and play areas. One of the major goals of the project is to restore native coastal bluff/dune vegetation to the park and eliminate the Scots Broom.

The University of Washington Restoration Ecology Network capstone project team has been asked to tackle the technical challenges of slope stabilization and to choose appropriate native species to

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# Director's Notes

DAVID J. MABBERLEY

The University of Washington Botanic Gardens represent a major outreach program, not only to the University but also to the people of Seattle and to the state of Washington. Programs range across the horticultural and botanical spectrum from readings for children in the Miller Library to hands-on community-based landscape restoration projects, from plant identification services in the Hyde Herbarium to the ProHort series of classes for professionals, from the Saplings educational program at the Washington Park Arboretum to the network of volunteers across the state working in our Rare Plant Care and Conservation Program—to name just a handful.

Many of the essential programs of the UW Botanic Gardens have grown out of community concern, commitment, and continued support. In addition, partnerships with over 100 non-profit organizations, agencies, and community groups over the years have greatly increased our ability to

reach new audiences, share resources, and build programs. Three examples highlighted in this newsletter are the UW Restoration Ecology Network, (see article, p.1), the Puget Sound Beekeepers Association (p.3), and the Seattle Youth Garden Works (p.5).

The UW Botanic Gardens are the stewards of the only official Washington State arboretum, managing the world-class collections in the Washington Park Arboretum. The more recently established Union Bay Gardens around Merrill Hall include the Soest Garden and the Seattle Garden Club Garden, which through the enthusiasm and generosity of members of the Club is being remodeled as a fragrance garden. In the coming months, we will be working with our partners on updating the Master Plan of the Union Bay Gardens and the Union Bay Natural Area.

Like the Miller Library, where we have greatly increased access and lending, all of our gardens are open to the public without charge. We want you to come and enjoy them and tell your friends about them. They are yours!

We also hope that you will be able to come to our Open House on April 25, when there will be an opportunity for you to look “behind the scenes” and meet with our students, faculty, and staff. I look forward to seeing you there.

*David J. Mabberley, M.A. (Oxon.), Ph.D. (Cantab.), is the Director of the University of Washington Botanic Gardens and the Orin and Althea Soest Professor of Horticultural Sciences in the UW College of Forest Resources.*



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*“All of our gardens are open to the public – without charge. We want you to come and enjoy them and tell your friends about them. They are yours!”*

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## Camas Quarterly

*University of Washington Botanic Gardens*

Camas Quarterly is named for the Northwest native plant *Camassia quamash*, a beautiful perennial herb with a significant ethnobotanical history. It has been an important food source for First Peoples (Native Americans) in the region.

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UNIVERSITY OF WASHINGTON BOTANIC GARDENS

[www.uwbotanicgardens.org](http://www.uwbotanicgardens.org)

WASHINGTON PARK ARBORETUM UNION BAY NATURAL AREA UNION BAY GARDENS  
CENTER FOR URBAN HORTICULTURE ELISABETH C. MILLER LIBRARY OTIS DOUGLAS HYDE HERBARIUM

### UW BOTANIC GARDENS MANAGEMENT

David J. Mabberley, *Director*

Carrie Cone, *Administrative Services*

Kern Ewing, *Head of Restoration*

Fred Hoyt, *Grounds and Facilities*

Elizabeth Loudon, *Education and Outreach*

Karen Preuss, *Elisabeth C. Miller Library*

Sarah Reichard, *Head of Conservation*

### COMMUNITY

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### WASHINGTON PARK ARBORETUM

Graham Visitors Center

Box 358010

Seattle, WA 98195-8010

206-543-8800 PHONE

206-616-2871 FAX

MISSION: *Sustaining managed to natural ecosystems and the human spirit through plant research, display, and education*

# News from UW Botanic Gardens



(left) UW students help install new Pollination Garden (right) Bruce Becker, Apiary Manager, at a work party

## NEW POLLINATION GARDEN AT WASHINGTON PARK ARBORETUM

RIZANIÑO REYES

Tucked away in a small plot just south of the Graham Visitors Center and the Pat Calvert Greenhouse is a new feature of the Washington Park Arboretum. A Pollination Garden has been installed in the apiary (bee garden) by the Puget Sound Beekeepers Association. While in general, the main purpose of an apiary is to attract honeybees to produce honey, this new garden is designed to showcase flowering plants that attract all types of pollinators, demonstrating the important relationships among beneficial insects, other pollinators, and a living plant collection. The Beekeepers Association, the Seattle Department of Parks and Recreation, and the Arboretum collaborated in planning and installing this garden, which will include interpretive signage and an array of carefully selected plants.

In 1958 the Beekeepers Association was invited to keep bees on site at the Arboretum, with the expectation that the prized collections of rare and unusual plants would be more likely to set seed than in an environment with few natural pollinators. This is especially important because seeds are exchanged between the UW Botanic Gardens and other institutions around the world.

Since that time, the apiary has undergone several changes, according to Apiary Manager Bruce Becker, a Beekeepers Association member and bee expert. "Over the years, the Beekeepers Association has tried to improve the apiary by providing signage and demonstrations to educate the public about bees and why an apiary exists in the Arboretum," he says.

The Beekeepers efforts got a boost when they were awarded a grant from the City of Seattle Department of Neighborhoods to upgrade the garden, including installing new sheds, the Pollination Garden, and interpretive signage. The site was prepared and the first plants were installed in fall 2006. The backbone of the garden, woody trees and shrubs, is in place. Among the plants already installed are: *Berberis (Mahonia)* 'Arthur Menzies,' chosen for its generous nectar supply during the winter months when it is in bloom; redflower currant (*Ribes sanguineum*), a native plant that attracts hummingbirds; and a young tassel bush (*Garrya x issaquahensis*). The plant materials and garden design demonstrate that bees are not the only pollinators. A series of herbaceous perennials includes butterfly pollinated cone flower (*Echinacea purpurea*), bird pollinated angel's fishing rods (*Dierama pulcherrimum*), and the sword-like spiky foliage of the moth pollinated Adam's needle (*Yucca filamentosa*).

As the project nears completion, Becker is hopeful that the new garden will introduce more visitors to the site. He also hopes to relieve their fears of being stung, explaining "I'd like for people to know that honeybees can be kept in urban areas without bothering people." However, to be on the safe side, people who are allergic to bee stings are discouraged from visiting the site. Becker is looking forward to seeing an interest in bees grow along with the Pollination Garden and to providing a place where visitors can admire the fascinating interactions between beneficial insects and plants.

Completion of the Pollination Garden is expected this spring. The public is welcome to visit the work in progress during Arboretum hours. Honey from the Arboretum hives is available for purchase in the gift shop at the Graham Visitors Center. For more information about bees, contact the Puget Sound Beekeepers Association through their website at [www.pugetsoundbees.org](http://www.pugetsoundbees.org).

Rizaniño ("Riz") Reyes is the Soest Gardener at the UW Botanic Gardens.

## THANKS TO OUR SUPPORTERS

A huge thank you to all of you who sent in donations in response to our December fund-raising letter. To date we have received 78 gifts, totaling \$13,321! Donors had the opportunity to designate where their gifts would go. "Where most needed" was the most popular allocation, which allows us to direct those funds to areas that have a particular need. We received one large gift for \$5,000 for Master Plan Implementation at the Washington Park Arboretum. Other recent gifts include \$5,000 for the camellia collection, \$21,500 for maintenance of the Soest Garden from two donors, and four new benches with a maintenance endowment on the south slope of the Soest Garden. Private contributions are fundamental to our operations, allowing us to provide high quality facilities and programs at the UW Botanic Gardens. Donations can be made anytime by following the "Support UWBG" link on our home page at [www.uwbotanicgardens.org](http://www.uwbotanicgardens.org) or by calling 206-685-2579.

# Miller Library News

## TREASURE TROVE

KAREN PREUSS AND BRIAN THOMPSON

Imagine a cargo van packed to the roof with eighty-six banker's boxes. Now imagine each of those boxes filled with horticultural books. For those of us at the Miller Library, this is way better than Christmas. Talk about kids in a candy store!

In December of 2006, the Miller Library received its largest gift of books since the founding of the library, with the gift of George Waters' entire horticultural library. For more than 20 years, from 1976 to 1997, Waters was the editor of *Pacific Horticulture*.

A native of England, George grew up north of London. Upon his move to California in the early 1970s he worked as a gardener and became involved in the California Horticultural Society. There he became friends with Maggie Hayakawa, who was on the Board of Directors of the Pacific Horticultural Foundation. The rest, as they say, is history. In 2002, Waters and his wife Olive moved from the Bay Area to Oregon City, Oregon to be closer to Olive's son. Sadly, Olive passed away on April 24, 2005, and Waters began making plans to move back to the Bay Area. Wanting his impressive collection of books to go to a good home, he contacted us, much to our delight.

The headliner of this collection is the 1731 first edition of *The Gardeners Dictionary* by Philip Miller. A hands-on, A-Z listing of ornamentals, fruits, herbs, and vegetables, it would be a must for your garden if it didn't weigh 15 pounds! Garden practices, such as pruning and air-layering, are interspersed with more esoteric subjects such as the impacts of lightning and thunder on plants.

One of Waters' personal favorites was *My Garden: Its Plan and Culture* (1872), in which Alfred Smee studied his own garden at Beddington, Surrey in 650 pages illustrated with 1,300 engravings.

Several new periodicals will grace the library's shelves because of the Waters' gift. These include a complete run (from 1930 to the present) of the British Iris Society yearbook, and *My Garden*—a mid-20th century "intimate magazine for garden lovers."

The list goes on and on and the entire Miller staff will be busy for months just going through it. So if you hear a squeal of delight from the work room during your next visit to the library, know that we've just found yet another treasure from Waters! We are deeply grateful to George Waters for this exceptional gift.

*Karen Preuss is the Miller Library Manager and Brian Thompson is Miller Library Curator of Horticultural Literature.*



left to right: Jack Henry, guest speaker Valerie Easton, and Richie Steffan enjoying themselves at the March 6th Fundraiser

## THANK YOU NORTHWEST HORTICULTURAL SOCIETY!

The staff of the Miller Library would like to extend our most sincere thanks to everyone who helped make the March 6th NHS Fundraising Event such a success! It was a wonderful party and lecture, and the proceeds of over \$17,000 will be a great contribution to the NHS Endowment Fund for the library!

We would especially like to thank Ann LeVasseur and Barbara Asmervig, the brains behind the evening's event; Lynn and Ralph Davis for once again donating such marvelous wines for the festivities; Karin Kravitz for making sure logistics ran smoothly, and of course, Val Easton for donating her time and considerable talents. Thanks to all who attended; your continuous support of the Miller Library is greatly appreciated!

*Ann LeVasseur (left) and Barbara Asmervig getting ready for the big event*



## SEASONAL QUESTIONS FROM THE PLANT ANSWER LINE

REBECCA ALEXANDER



### Q: Why didn't my peonies bloom?

A: Here is what University of Nebraska Extension Service ([elkhorn.unl.edu/epublic/pages/publicationD.jsp?publicationId=508](http://elkhorn.unl.edu/epublic/pages/publicationD.jsp?publicationId=508)) says about peonies failing to flower:

"Occasionally, peonies fail to bloom for causes not easily recognized. Failure to bloom or sparse flowering may result from one or more of the following causes: heavy shade, especially in conjunction with root competition; crowded plantings that require division; insect or disease problems; flower buds killed by late frost; poorly drained soils; roots planted too deep; transplants that have not yet reached flowering stage; infertile soil; or a nearby walnut tree releasing a toxin into the soil from the roots."

Another list of causes, from Ohio State University Extension ([ohioline.osu.edu/hyg-fact/1000/1241.html](http://ohioline.osu.edu/hyg-fact/1000/1241.html)):

"...planting too deeply, immature plants, excess nitrogen, inadequate sunlight, overcrowding, phosphorus and/or potassium deficiency, insect or disease problems, competition from roots of nearby plants, late freezes..."

I hope this answers your question and you are able to remedy the problem.

**Q: I would like to plant some flowers that need to be planted after the frost season. Could you please let me know when the frost season ends in Seattle this year?**

A: The last frost date in Seattle can be as early as March 22nd, but to be on the safe side, April 15th -20th would be more definitive. This information can be found on the web site of local gardening expert, Ed Hume: [www.humeseeds.com/frost1.htm](http://www.humeseeds.com/frost1.htm).

Happy gardening!

*Rebecca Alexander is the Plant Answer Line Librarian at the Miller Library.*

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

# Community Connections

## COOKING UP RESTORATION AND MORE WITH SEATTLE YOUTH GARDEN WORKS

BARBARA SELEMON AND SARA JACKSON

This past winter, Seattle Youth Garden Works worked on two exciting new projects with the UW Botanic Gardens. These projects are in addition to on-going joint programs, including the garden that Garden Works maintains on-site at UW Botanic Gardens. Seattle Youth Garden Works is a non-profit organization that works with homeless and under-served youth by providing employment and garden-based education in the South Park and University District neighborhoods. Last year Garden Works employed over 50 youth during the spring, summer, and fall seasons.

One project focused on native plant salvaging, propagating, and planting as part of on-going restoration work in Washington Park Arboretum. All Seattle Youth Garden Works crews look forward to getting their hands dirty and despite wind, rain, and snow, this winter crew was no different.



Seattle Youth Garden Works crew members salvaging sword ferns in the Arboretum

Nearly 300 sword ferns as well as 100 low Oregon grape and snowberry plants were added to various beds throughout the Arboretum, including in the Oak Collection at the north end and alongside Washington Park Boulevard near Lynn Street.

Trina Huff, a native Seattleite and student intern working with Garden Works confesses that she had never even heard about the Arboretum before this program. Now, not only is she familiar with the Arboretum, but she can easily identify sword ferns and point out the newly formed fiddleheads that will produce new fern fronds in spring. Huff and other members of Garden Works plan to return to the Arboretum later this spring to see the results of their efforts.

The Native Plant Propagation Program at the UW Botanic Gardens is an ongoing effort to produce plants for on-site use; the program also provides service learning opportunities for students. This year the program got a boost when Mary Kay Talbot, a horticulture student intern from Edmonds Community College, lent her assistance and expertise.

Garden Works' second winter project is a cookbook. Using research facilities at the Miller Library and the kitchen at the University Congregational Church, the participants in the program are taking their farming experience and knowledge of fresh produce out of the garden and into the kitchen. The cookbook will be available for purchase this spring at the University District Farmers Market, along with fresh Garden Works produce.

*Barbara Selemón is a Landscape Supervisor and Native Plant Propagator with UW Botanic Gardens, and Sara Jackson is Youth Coordinator with Seattle Youth Garden Works.*



Seattle Youth Garden Works participants learn business and gardening skills by selling homegrown produce at local farmers markets

### GET INVOLVED!

**Service Learning projects** with the Native Plant Propagation Program: contact Barbara Selemón at [selemón@u.washington.edu](mailto:selemón@u.washington.edu).

**Join Seattle Youth Garden Works** – if you are between 14-21 and in the University District and surrounding areas, contact Garden Works at 206-632-0352 or apply on-line at [www.sygw.org](http://www.sygw.org).

**Buy plants and produce** and help support Seattle Youth Garden Works at the Seattle Tilth Plant Sale (May 5-6th), the University District Farmers Market.

## GARDEN CLUB OF AMERICA FLOWER SHOW, "IT'S MAGIC"

May 19, 10 a.m. - 5 p.m.  
Free and Open to the Public

Come to a flower show, lectures by garden experts, and tours of the Union Bay wetlands at the UW Botanic Gardens. See imaginative flower arrangements and seasonal horticultural specimens. A special conservation exhibit will demonstrate what community activists can do in neighborhood greenbelts to reduce the amount of invasive species dominating the forest canopies. The Seattle Garden Club, local organizer of this event, will demonstrate how to clear and replant these areas with native plants.

### PUBLIC LECTURES AND TOURS:

- Bird watching in the Union Bay Natural Area
- Healthy Homes and Garden Practices
- Nature tour of the Union Bay Natural Area

Call 206-543-8616 to reserve a space.



# Classes & Events

For more information or to register, contact Jean Robins at jrobins@u.washington.edu or 206-685-8033 or visit [www.uwbotanicgardens.org](http://www.uwbotanicgardens.org) and follow the link for Public Education.



FREE

## Flowering Cherry Trees in Japanese Culture

Monday, April 23, 6 - 8 p.m.

*Graham Visitors Center, Washington Park Arboretum*

FREE; NO PRE-REGISTRATION REQUIRED (SPACE IS LIMITED)

INSTRUCTORS: TAKANOBU MIZUMOTO AND KAZUA MITSUHASHI, VISITING JAPANESE MASTER GARDENERS

This program is a rare opportunity to hear from these top gardening experts visiting from Japan. They will discuss culturally-based approaches to garden maintenance and preservation. The session will provide an overview of the important legacy of cherry trees in Japanese culture and the current challenges associated with their long-term maintenance, followed by a discussion based on audience interest and questions.

This program is presented by the Cherry Blossom Festival, in partnership with the UW Botanic Gardens, Seattle Parks and Recreation, and the Seattle Japanese Garden Advisory Council.

## Botanical Drawing 1: Introduction to Drawing Botanical Forms

5-PART SERIES: Mondays, April 23 - May 21, 7 - 9:30 p.m.

*Isaacson Classroom, Center for Urban Horticulture*

FEE: \$160

INSTRUCTOR: KATHY MCKEEHEN

This course is designed as a self-contained unit or as an introduction to Botanical Drawing 2, for the individual who cannot draw or would like to improve drawing skills. Students will learn about drawing tools, papers, and basic plant forms as they progress through exercises and homework assignments. The emphasis will be on accurate line drawing, the foundation of good botanical art.

FREE

## UW Botanic Gardens Open House

Wednesday, April 25, 3 - 7 p.m.

*Center for Urban Horticulture*

Drop by anytime between 3 p.m. and 7 p.m. to sample free mini-programs and tours and peek behind the scenes (see full description, p. 8).

## The Art of Espalier

Saturday, April 28, 10 a.m. - 2 p.m.

*Douglas Classroom, Center for Urban Horticulture*

FEE: \$40; PRE-REGISTRATION REQUIRED

INSTRUCTOR: DAVID CONNORS, PRESIDENT OF WASHINGTON FRUIT TREE SOCIETY

David Connors is once again offering his popular class on espalier. Besides being visually pleasing, an espaliered tree, bush, or vine saves space. David will review the basics of creating and maintaining an espalier, emphasizing the Belgian Fence form. The topics of wintertime pruning, summer pruning, and practical planning advice will be discussed. This class sold out last year, so register early to reserve a space!

## Miller Library Storytime: The Real Dirt on Soil

FREE

Saturday, May 12, 10 - 10:45 a.m.

*Miller Library, Merrill Hall*

## Soil Care for the Sustainable Garden

Saturday, May 12, 9 a.m. - noon

*Isaacson Classroom, Center for Urban Horticulture*

INSTRUCTOR: CHRISTINA PFEIFFER

FEE: \$45; PRE-REGISTRATION REQUIRED

How we treat the soil determines the future life and success of the landscape. This class will cover practical approaches to understanding soil types and conditions, preventing and correcting compaction, resurrecting unproductive soil, the role of water management in maintaining soil structure, and the role of organic matter and nutrient cycling in healthy soil ecosystems. Students will learn how to get the most out of their gardens with some easy soil care practices. Part of the class will be held outdoors on site. Christina Pfeiffer is a horticulturalist, teacher, and author.

## Insect Identification with a Focus on Pollinators

Saturday, May 12, 1 - 4 p.m.

*Isaacson Classroom, Center for Urban Horticulture*

INSTRUCTOR: CHRISTINE SCANNELL, ARBORWISE LLC

FEE: \$40; PRE-REGISTRATION REQUIRED

How can you tell a bug from a beetle? Which insects that you see might be damaging to your plants? Which might be helping them? Learn the methods of catching insects and the basics of identification, including tips on how to distinguish the harmful from the beneficial. The focus of this class will be on the most common insect orders in our environment: bees and wasps, beetles, flies, butterflies, and true bugs. We will also cover aspects of pollination. The class will have an introduction to insect identification as well as a lab component.



## Explore Campus Plants and Landscapes

Saturday, May 12, 2 - 4 p.m.

*Meet in Red Square at Kane Hall*

TOUR LEADER: RIZANIÑO "RIZ" REYES, UW BOTANIC GARDENS SOEST GARDENER

FEE: \$5 SUGGESTED DONATION; NO PRE-REGISTRATION REQUIRED

Come explore the beautifully landscaped grounds of the University of Washington this spring and learn about the diversity of plants that grow within it. As we walk the grounds, we will learn interesting facts about the plants, how they are grown and taken care of, and get tips on how to grow them yourself. This tour is also a great way for students and others to discover new places on campus.

## Orchids: Understanding the Plants and the Fever

1ST SESSION: Douglas Classroom,

Center for Urban Horticulture

Wednesday, May 16, 7 - 8:30 p.m.

2ND SESSION: Botany Greenhouse,

UW Campus, Saturday, May 19,

12:30 - 2 p.m.

INSTRUCTOR: RIZANIÑO "RIZ" REYES, UW BOTANIC GARDENS SOEST GARDENER

FEE: \$30; PRE-REGISTRATION REQUIRED

In this class you will learn the basic fundamentals of orchid growing: the biology, classification, and culture. You will also have a glimpse into the addictive madness known as "Orchid Fever." At the Botany Greenhouse you will see a large collection of species orchids.

## Miller Library Storytime: Weeds and Seeds

FREE

Saturday, June 16, 10 - 10:45 a.m.

*Miller Library, Merrill Hall*

## Water Saving in the Garden

Wednesday, June 27, 7 - 9 p.m.

*Douglas Classroom, Center for Urban Horticulture*

INSTRUCTOR: MICHAEL LAURIE, WATER EFFICIENCY CONSULTANT & OWNER, WATERSHED LLC

FEE: \$30; PRE-REGISTRATION REQUIRED

This class will cover how to conserve water in your garden, focusing on irrigation systems, soil, plants, and compost. It will include a holistic approach to water use in the garden and also a practical hands-on portion with a look at different types of irrigation systems, how they are used, how to convert to drip and soaker hose systems, maintenance issues, and how to check your soil. Save water and save money!

## Nurturing the Written Word: Further Adventures in Creative Garden Writing

July 31 - August 3, 2007, all day

*Douglas Classroom, Center for Urban Horticulture*

INSTRUCTORS: C. COLSTON BURRELL AND LUCY HARDIMAN, NATIONALLY KNOWN, AWARD-WINNING GARDEN WRITERS

FEE: \$850; PRE-REGISTRATION REQUIRED

An intensive professional development workshop for garden, horticulture, nature, and conservation writers wishing to hone their writing skills.

## ProHort Series For professional continuing education.

### ONGOING PROGRAMS AT THE ARBORETUM

To register for any of the programs and tours below call 206-543-8801 or e-mail [uwbgeduc@u.washington.edu](mailto:uwbgeduc@u.washington.edu).

#### Spring Sprouts Saplings School Program FOR EDUCATORS

What is the purpose of a flower? Students discover the secret of springtime by exploring the life cycle of plants from flower to fruit. They dissect a flower to closely observe plant parts and functions and perpetuate the cycle by planting seeds to take back to the classroom. Offered M - F from 10 - 11:30 a.m. or 12:15 - 1:45 p.m.; Groups of 10 or more; \$3 per student.

#### Marsh Madness Explorer Pack FOR EDUCATORS

This self-guided pack is designed for use along the shorelines of Lake Washington. Great blue herons, American bald eagles, and a variety of ducks and songbirds sing as students investigate Foster Island and learn about habitat, ecosystems, and the macroscopic aquatic world through activity-based teaching. Available seven days a week from 10 a.m. - 4 p.m. for a two-hour rental. \$20 per pack; serves 15 students.

#### Wetland Wildlife Seedlings Preschool Program FOR EDUCATORS

What lives in a wetland? During a guided exploration of Duck Bay and Foster Island, preschoolers will experience the lives of beavers, eagles, and ducks by visiting their habitat and acting out the lives of these unique wetland animals. As part of their visit, students will hear a wetland story, create a nesting bag for birds in their schoolyard, and act like a sponge, just like wetlands do!

#### Spring Blooms at the Arboretum

Meander along historic Azalea Way lined with flowering cherries, azaleas, and dogwoods. Loderi Valley features large-leaved rhododendron trees sheltered by magnolias. Other spectacular spring collections and areas to visit include Rhododendron Hybrid Garden, Crabapple Meadow, and Foster Island.

#### Guided Weekend Walks

Guided Weekend Walks of the Arboretum's renowned plant collections are offered January - November on the 1st and 3rd Sundays at 1 p.m. Meet at the Graham Visitors Center; no fee or advanced registration.

#### Seasonal Tours

Plan a special seasonal tour at the Arboretum for your group of 10 or more (two weeks advance notice please). Call 206-543-8801 for fee and scheduling information.

#### Flowering Cherry Tree Culture and Horticulture

FREE

Monday, April 23, 2 - 4 p.m.

*Graham Visitors Center, Washington Park Arboretum*

NO PRE-REGISTRATION REQUIRED (SPACE IS LIMITED)

INSTRUCTORS: TAKANOBU MIZUMOTO & KAZUO MITSUHASHI, JAPANESE MASTER GARDENERS

This program is a rare opportunity to hear from these top gardening experts visiting from Japan. They will discuss culturally-based approaches to garden maintenance and preservation. The session will provide an overview of the important legacy of cherry trees in Japanese culture and the current challenges associated with their long-term maintenance, including longevity, varieties, disease, and pruning; followed by a discussion based on audience interest and questions.

This program is presented by the Cherry Blossom Festival, in partnership with the UW Botanic Gardens, Seattle Parks and Recreation, and the Seattle Japanese Garden Advisory Council.

#### Trees, Landscaping, and Soil Management in New Development

*Field session at Snoqualmie Ridge Development*

Thursday, May 3, 1 - 4 p.m.

INSTRUCTOR: JIM BARBORINAS, PRESIDENT AND OWNER, URBAN FORESTRY SERVICES, INC

FEE: \$45; PRE-REGISTRATION REQUIRED

ISA CREDITS PENDING

How we treat the soil during construction determines the future life, success, and cost of the landscape. Cutting corners on soil specifications can result in costly replacement of soils, trees, and shrubs, not to mention the potential replacement of curbs and sidewalks. This seminar is for landscape contractors, landscape architects, and other professionals involved in new construction and landscape installation projects, and will tour case studies of successful and failed soil management. Street tree species selection regarding characteristics and quality of plant stock will also be reviewed.

Jim Barborinas has many years experience in tree and soil preservation for commercial and residential construction projects.

#### Plant Insect Problems in the Urban Environment

Wednesday, May 30, 9 a.m. - noon

*Graham Visitors Center, Washington Park Arboretum*

INSTRUCTOR: BOB GARA, PH.D.

FEE: \$70 FOR THE SERIES\*, \$40 FOR ONE CLASS; PRE-REGISTRATION REQUIRED

WSDA PESTICIDE LICENSE CREDITS PENDING ;  
ISA CERTIFICATION CREDITS PENDING

This basic course will focus on the common insect problems that occur on urban plants in the Puget Sound region. Topics to be covered include an overview of the common insects that cause problems, pest identification, and management strategies. Specimens will be examined in class.

Bob Gara is UW Professor Emeritus with the College of Forest Resources and specializes in urban plant protection and forest entomology.

#### Plant Diseases in the Urban Environment

Wednesday, May 30, 1 - 4 p.m.

*Graham Visitors Center, Washington Park Arboretum*

INSTRUCTOR: BOB EDMONDS, PH.D.

FEE: \$70 FOR SERIES\*, \$40 FOR ONE CLASS; PRE-REGISTRATION REQUIRED

WSDA PESTICIDE LICENSE CREDITS PENDING ;  
ISA CERTIFICATION CREDITS PENDING

This basic course will focus on the common plant diseases that occur in urban areas in the Puget Sound region. Topics to be covered include disease-causing organisms, identification of plant diseases, typical diseases most likely to be encountered, and management techniques. Specimens will be available for viewing in class.

Bob Edmonds is a Professor in the UW College of Forest Resources and teaches urban plant protection and forest pathology.

\*These two classes (Plant Insect Problems and Plant Diseases) may be taken individually or together. There is a discount when registering for both classes.

## Arboretum Foundation Events

### FlorAbundance Plant Sale

The Arboretum Foundation's **FlorAbundance**, the region's largest plant sale, will return on Saturday, April 28, 10 a.m. - 5 p.m., and Sunday, April 29, 10 a.m. - 3 p.m., at Magnuson Park, Building 27, Special Events Center, 7400 Sand Point Way NE, Seattle. Dozens of specialty nurseries will present their finest perennials, annuals, trees, shrubs, ferns, rhododendrons, native plants, vegetable starts, and more. Parking and admission are free; sales benefit the Washington Park Arboretum.

For more information, go to [www.arboretumfoundation.org](http://www.arboretumfoundation.org) or call 206-325-4510.



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plant, as well as to promote and coordinate community involvement. Their liaison with the City is Maureen Colaizzi, Parks and Recreation Project Coordinator for the Shoreline Parks Department. Asked why community involvement in the project is a priority for the city, Colaizzi says, "It brings public awareness and ownership to the project, providing a better chance that the project will succeed."

University of Washington Restoration Ecology Network project team member, Amy Johnson, agrees, "When you involve the community, you get them connected to the site itself, since, after all, it's their 'backyard.' I like to believe that when people actually take pride in the land and they are physically helping to restore it, they begin to feel an ethical responsibility to take care of the site."

The challenges to creating community involvement often center on maintaining a consistent volunteer force. Maureen astutely points out, "Volunteerism is an ebb and flow process. Volunteers come and go, depending on the other priorities in their lives. The obstacle is keeping a strong network of committed individuals to carry out the maintenance activities over a long period of time (10 to 20 years). This is where the agency's commitment is extremely important. It has to keep seeking ways to energize volunteers and acknowledge them for their efforts. Volunteers need to see results and feel recognized for their efforts to make a difference."

Cooperative restoration projects such as Saltwater Park in Shoreline have the potential to restore the land through the community and restore the community through the land, an exchange that will deepen over generations.

*Rodney Pond is a doctoral student studying restoration ecology at the University of Washington College of Forest Resources.*

## UW Botanic Gardens OpenHouse

**WEDNESDAY, APRIL 25**

**3 - 7 P.M.**

**CENTER FOR URBAN HORTICULTURE**

What's happening at the UW Botanic Gardens these days? Come to our Open House and find out! The public is invited to drop by anytime between 3 p.m. and 7 p.m. to sample free mini-programs and tours and peek behind the scenes. Find out where the Arboretum's plants come from, see how herbarium specimens are made, learn about cutting-edge ecological restoration and research in the Union Bay Natural Area, and more. Don't forget to bring the little ones; children's activities will include a pollination game, viewing plants through mini-microscopes, and story time in the Miller Library.

For a listing of activities and more information, visit [www.uwbotanicgardens.org](http://www.uwbotanicgardens.org), or call 206-685-8033.



# Camas Quarterly

QUARTERLY NEWSLETTER OF THE UNIVERSITY OF WASHINGTON BOTANIC GARDENS COLLEGE OF FOREST RESOURCES

BOX 354115  
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Includes ProHort classes,  
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