CUH/WPA Leadership in Transition

Dr. Tom Hinckley officially stepped down as Director of CUH on June 16 to return to full-time teaching and research as Professor of Tree Physiology in the UW College of Forest Resources. Dean Bruce Bare turned the reins over to current Arboretum Director, Dr. John Wott, who will serve as Interim Director of CUH/WPA until the arrival of Dr. David Mabberley. Dr. Mabberley will hold the Orin and Althea Soest Chair in Horticultural Science and will lead both CUH and WPA as Director. Though originally from Great Britain, Dr. Mabberley comes to Seattle from Sydney, Australia. The official date of his arrival is currently in the hands of the Department of Homeland Security. However, he is expected to start work at the UW before the first of the year.

Tom Hinckley served as acting director of CUH in 1999 and was named to the permanent position in 2000, agreeing to lead until a search for a permanent new director could be held. Who could have anticipated the devastating May 2001 fire and a director’s search that took far longer than anticipated. Tom’s crowning achievement as CUH director proved to be the rebuilding of Merrill Hall, the first “sustainable” building to be built on the main UW campus. (continued on page 3)
Controlling Garden Loosestrife at WPA

Garden loosestrife, or *Lysimachia vulgaris*, has been spotted in areas of the Ship Canal, Union Bay Natural area and Washington Park Arboretum. With the concern that this Class B noxious weed may wreak havoc in the natural areas, Arboretum staff are working with Seattle Parks and the King County Noxious Weed Board to initiate a plan of assault.

*L. vulgaris* originated in Eurasia and can be found throughout Europe in wet woods or on lake shores. Pictured in the photo to the right is a sample of the weed with its clusters of yellow, primrose like flowers at the top of stems that are typically 5 feet tall. Both the stems and lance-shaped leaves are softly hairy. Its aggressive nature is due, in part, to its ability to spread through its rhizomatous root system as well as by seed. In parts of the eastern United States it has already become naturalized and in western Washington, it has the potential to threaten the native character of our wetlands.

Recent inspections by the King County Noxious Weed Board found garden loosestrife growing at a number of sites on Foster and Marsh Islands, in UBNA and the Arboretum. It is a more recent introduction than the purple loosestrife (*Lythrum salicaria*) for which control programs have been largely successful, but appears to be more abundant and able to outcompete the purple loosestrife. Note that although purple and garden loosestrife share a common name, they are not related and belong to different genera.

A beetle (*Galerucella*) that successfully chewed its way through the purple loosestrife and thus served as a natural means of control unfortunately has no appetite for the garden loosestrife. So Annie Bilotta, gardener at the Washington Park Arboretum, working with Drew Kerr from King County, explored alternative methods. Requirements are stringent for any chemical applied to wetlands or waterways. Only pest applicators with the specialized Aquatic Endorsement from Washington State Department of Agriculture are allowed to apply chemicals. In addition, a permit from the state Department of Ecology is required that delineates the areas to be sprayed. Only select herbicides have been registered by EPA for use in wetlands or around aquatic resources. The herbicide chosen for this work has been found by the Washington Department of Ecology Risk Assessment to be of very low risk to both humans and the aquatic ecosystem. Attacking the weed this season may help to reduce its foothold in our precious natural areas next season.

For more information on this and other noxious weeds, visit the following website: www.ecy.wa.gov/programs/wq/plants/weeds.
Shoreline Project Underway

The first element of the Washington Park Arboretum Master Plan is currently underway. The heavily-used shoreline and trail at Duck Bay, located near the Arboretum Visitors Center, is being restored to address erosion problems caused by the heavy use. The service road/trail will be re-graded, a pedestrian bridge replaced and shoreline habitat improved. In addition, visitor access will be modified to enable ADA accessibility, and canoe landing areas will be created. The work is scheduled between August 15 and December 15, around the nesting activity of a pair of bald eagles. This is to avoid disrupting their nesting, mating and rearing activities. Parking lots near the north gate to Broadmoor are closed except for one small parking area. Parts of Foster Island are fenced off. There will also be temporary closures of the Duck Bay Waterway and no game-day parking in the Arboretum during construction.

CUH Staff Plant Favorite

LYNNE THOMPSON, CUH GARDENER

As summer fades into fall, grasses begin to command more attention in the garden. A favorite for this time of year in the McVay Courtyard is Foerster’s Feather Reed Grass, Calamagrostis x acutiflora ‘Karl Foerster’. The 5 foot tall plant has a stiff, upright habit and thus is an effective vertical element in the summer and fall border. The grass has narrow clumps of green foliage with spikes of soft green flowers in early summer. These fade to rose and form stiff seed heads that will last through winter. Prune back in late winter before new growth begins. Divide clumps in early spring.

We Move In Before Christmas!

Merrill Hall construction is almost done. Its greenhouse lobby, called The Commons, will be the last piece to fall into place. It is currently under construction in The Netherlands and will be shipped to Seattle during October. Once that is completed in early December, staff and faculty will prepare to move into the building just before Christmas. A grand opening is planned for January of 2005.

John Wott, Professor of Urban Horticulture and Director of the Washington Park Arboretum since 1993, will soon return to teaching at CUH. During his tenure as Arboretum Director, he spent many hours working to adopt the Arboretum Master Plan. Currently shepherding the implementation phase, John is working to see the vision put forth in the Master Plan become a reality. Once David Mabberley arrives to take charge of both CUH and WPA, John will settle back into the life of a faculty member, teaching his legendary urban horticulture courses in public presentation and plant propagation. An era of transition and rebuilding ends and a new era begins. The staff, faculty, and students thank Tom Hinckley and John Wott for their leadership as CUH and WPA head forward into the future.
Roger Phillips to speak at Miller Memorial Lecture

Well-known artist, photographer, gardener and author Roger Phillips will speak at the Miller Memorial Lecture on Wednesday, October 27, 2004, at 7:30 pm at Kane Hall on the UW campus. Phillips is author of the comprehensive resource books *The Botanical Garden* and *Annuals and Biennials, the Definitive Reference*. His lecture is titled “Adventures in Plants and Roses”.

A reception and book-signing will follow the lecture. Both his newest title, *Best Rose Guide*, as well as a 2005 calendar featuring his photography, will be available for sale. Proceeds from the book and calendar sales will benefit the Elisabeth C. Miller Horticultural Library.

Entrance to the lecture is free but reservations are required. Phone the Miller Library starting September 20 at 206-543-0415 for reservations. Tickets will be mailed prior to the lecture.

What’s Growing on Your Roof?

If you look at homes and buildings around the region, you may see more than just rooftop gardens made from pots of plants, trees and flowers. The next big thing is when your roof is the garden.

Learn more about this exciting approach to urban horticulture and green, sustainable building in the Miller Horticultural Library’s new booklist on *Green Roofs and Roof Top Gardens*. This booklist is a thorough compilation of available resources for information about the new concept of green roofs but also includes references on rooftop and container gardens. From books to website links to article clips from periodicals, you’ll find the booklist to be an excellent time-saver and a broad view of the topics. Check out [www.millerlibrary.org/resources/booklists](http://www.millerlibrary.org/resources/booklists) to see the forty plus booklists of distinct special interest and topics.

Twenty-five Years from Now

Imagine the Miller Horticultural Library 25 years from now in 2029 and what you think it should be. That’s the task set before a small committee of staff and volunteers charged with developing a strategic business plan for the library’s future. Leading the process is UW business consultant and grant developer Eric Shulenberger. Avid discussions of the library’s role for the gardening public, landscape professionals and the academic community have led to questions of technology, collection development, better tools for accessing library resources and the identification of funding to support future plans.
Plant Answer Line Questions

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

**QUESTION:** Last winter all my Coral Bells (*Heuchera*) either died or came back looking so ratty that I threw them out. I replanted and my question is how to get them to survive the winter?

**ANSWER:** Coral bells are shallow rooters and where winters are characterized by alternate freezing and thawing are very likely to be partially heaved out of the ground. Inspection in early spring accompanied by pushing disturbed plants back into place is a wise procedure. As a precaution against winter heaving in cold climates, the plants may, with advantage, be covered after the ground is frozen to a depth of an inch or two, with branches of evergreens, salt hay, straw, or other loose material that permits air circulation.


**QUESTION:** We want to remove a tree (plum) and replace it with something pretty this fall, but are concerned about the sprouts that come up near the trunk and from the roots. We’ve been told that when we cut it down the sprouts will go crazy making little plum trees all over the place. Is there an environmentally friendly way to get rid of the tree once and for all?

**ANSWER:** Trees are sometimes girdled a year or two before being cut down to prevent stump sprouting. Some arborists remove a ring of bark at least 3 inches wide; others strip the bark from the lower trunk. After a growing season, the stump will be less likely to sprout than if it had not been girdled. This process is slow and usually not acceptable once a decision has been made to remove a tree from a landscape. Grinding a stump and basal roots with a stump cutter reduces sprouting from the remaining roots except on species that sucker readily from the roots (e.g. poplar). **SOURCE:** Arboriculture; Integrated Management of Landscape Trees, Shrubs, and Vines, by Harris et. al., 2004, p. 403.

**QUESTION:** I got three beautiful Cannas this spring and they bloomed all summer. My neighbor says they will die unless I dig them up and put them in my garage during the winter. Is this true or can I mulch them and leave them in the garden?

**ANSWER:** The Canna is a tropical perennial. As soon as temperatures drop below freezing, the top growth will brown and instantly die. If the roots freeze, they will also die. To save them for next year, lift them in mid-to-late autumn and put them in a frost-free place. After removing the top growth, dig the roots up carefully, making sure to avoid damaging any of the rhizomes. Rhizomes should then be placed close together with peat, bark or old potting compost around the roots to prevent desiccation. During the winter months, make sure that they never dry out completely. The most common cause of death in storage is desiccation caused by keeping the roots warm without sufficient moisture. A light sprinkling of water should be applied when the surrounding media starts to feel dry. You can replant them when all danger of frost is past, generally by late spring.

**SOURCE:** The Gardener’s Guide to Growing Cannas, by Ian Cooke, 2001, p. 32, 36, 156.

**QUESTION:** I like bats so my wife got me a bat house. Where should I put it?

**ANSWER:** Primary roosting sites are generally secluded, crevice-like places such as hollow trees, woodpecker holes, areas under shingles or attics. Many bats prefer house locations in open areas away from branches and other potential perches for birds of prey. Because bats tend to fly straight down when exiting a bat house, there must be a vertical clearance of at least a few feet under the house. Most bats also prefer to live within a few hundred yards of water. Sun exposure must be carefully considered since bats need warm temperatures between 80—100 degrees Fahrenheit, so their houses require solar heating in all but the hottest climates. **SOURCES:** Landscaping for Wildlife in the Pacific Northwest, by Russell Link, 1999, p. 107—109. Bats Northwest website at: www.batsnorthwest.org/.

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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
Arboretum Foundation News and Events

Fall Bulb and Plant Sale
Sunday, October 3, 10 a.m. to 3 p.m.
The Arboretum Foundation’s annual fall bulb and plant sale will offer a fantastic variety of bulbs and plants, including rare and unusual bulbs, species tulips and a plentiful selection of daylilies. New this year are bulb gardens, bulbs for container gardens and bulb accessories. For a complete list of bulbs available for sale, after September 1 visit: www.arboretumfoundation.org.

Arboretum Jamboree Volunteer Event
Saturday, October 23 from 10 a.m. to 2 p.m.
This event is co-sponsored with the Seattle Parks Department. Come join the clean-up party and help beautify the Arboretum. Please call Kelley Duffield-McCarter at 206-325-4510 or register on-line to participate.

Greens Galore
Saturday, December 4, 10 a.m. to 4 p.m.
Freshly cut greens, botanical treasures, hand-made gifts and crafts for holiday decorating and giving.

Greenhouse Plant Sales
Ongoing plant sales on Tuesdays from 10 a.m. to noon, Pat Calvert Greenhouse. Plants grown from Arboretum collection cuttings.

Donated Plants for Sale
Wednesdays and second Saturdays, 10 a.m. to 2 p.m., between April and October. Find favorite and unusual plants, all donated by area gardeners.

News from CUH and WPA

Chris Berry Given Staff Recognition Award
Arboretum Education Coordinator Chris Berry received the outstanding staff award from the College of Forest Resources on June 3 for her exemplary service leading the youth and adult education programs at the Arboretum. Under her skillful guidance, the number of program participants, partnerships, volunteers and grant income has increased substantially. Congratulations, Chris!

Invasive Species Project Consultant now at CUH
Tanya deMarsh-Dodson has begun working with Dr. Sarah Reichard in a joint project with the Washington Nursery and Landscape Association and the Nature Conservancy. Tanya will be working with nurseries in western Washington to determine which invasive species should be withdrawn from propagation and sale along with providing suitable alternatives to those species.

It’s Auction Time Again!
Seattle Youth Garden Works’ third annual auction is November 14 at the Shoreline Center. Food from Seattle’s best caterers will be featured along with music and dozens of fabulous live and silent items to bid on. Don’t miss it! For more information or to donate auction items, call 206-525-1213x4130 or email auction@sygw.org.

Kern Ewing Wins International Award
The Society for Ecological Restoration International presented its 2004 John Rieger Award to Dr Kern Ewing, Professor of Urban Ecology at CUH. This achievement award recognized Kern and Dr. Warren Gold from UW-Bothell for their pioneering efforts in creating the UW Restoration Ecology Network. Congratulations also to Kern’s graduate student, Caren Crandell, for receiving a Specific Act Award from the Army Corps of Engineers for her project management skills.
Iris Notes
LARRY HOWARD, CUH VOLUNTEER

As a novice iris lover I could not resist signing up for "Iris, the Rainbow Flower" taught by Richard Greenberg in May at CUH. I am quite pleased that I did indeed overcome my typical bent for procrastination! Richard did an outstanding job of teaching us the basics along with some practical tips. I thought it might be fun to try and share some of these "tips" with others:

Yes, you do deadhead an iris. This directs energy to the formation of new rhizomes as opposed to seed production. Take the old stem off at ground level but do not cut off healthy green foliage.

No, you do not cover up the rhizome of a bearded iris when you do your mulching. The rhizome is actually a stem and it loves to bake in the sun. The preferred approach if you do mulch is to spread mulch in front of the fan of blades and to the sides but not behind it where the rhizome is located.

When dividing clumps that have gotten too crowded it is better to break them apart with your hands than to cut with a knife. Doing this by hand results in the rhizomes breaking along cell lines and not through cell structure. This allows you to put the rhizome right back in the ground and not worry about an open wound letting in things that will rot the rhizome. Knowing when to divide is iris-type specific.

No blooms? This could be caused by incorrect soil, inadequate sun (bearded type generally need at least half a day of sun) or the rhizomes are just too crowded and are not getting enough food. A 5-10-5 type fertilizer in early spring for the bearded type of iris is about right. Apply around but not on the rhizome as it can burn the plant. Too much nitrogen is bad.

There is an iris for every location and season. They are available for wet or dry, sunny or shady, good or bad soil, summer or winter and in almost every color (it is known as the rainbow flower) except red. Visit the American Iris Society website at www.iris.org for favorite varieties.

Richard’s favorite texts are The World of Irises, edited by Warburton and Hamblen and Iris: Flower of the Rainbow by Graeme Grosvenor.

Volunteer at CUH

CUH Reception Desk: Help out with phone calls, light office work, and answering general questions. Call Ray Larson at 206-616-9113.

Union Bay Gardeners are needed to perform seasonal maintenance tasks at the Union Bay Gardens located at CUH. Contact Barbara Selemon at 206-685-2613.

Volunteer for Rare Plant Seed Vault:
Rare plant seed processors are needed to handle these precious seeds once they arrive at the Center for Urban Horticulture. Hours are flexible. Please contact Carolyn Alfano at 206-616-0780 or email rarecare@u.washington.edu.

Seattle Youth Garden Works is an employment training program for homeless and low-income youth. Volunteers needed for help with garden maintenance, auction, advisory board and as positive role models. Contact the volunteer coordinator at 206-525-1213, ext. 4131.
Winterizing Half Hardies in the PNW

**DATE & TIME:** Thursday, Oct. 14, 7 to 9 p.m.
**INSTRUCTORS:** Linda and Roger McDonald and Sue Nicol
**LOCATION:** NHS Hall, CUH
**FEE:** $25; $22 Arboretum Foundation members; pre-registration required.

Given the zonal denial of many gardeners, the need to protect tender plants during winter is critical. Linda McDonald gardens near Bothell where winter temperatures dip into the 20’s. She will lead you through a number of techniques she uses to increase survival of the half-hardies she loves to use. One measure is through husband Roger’s construction of a variety of cloches and protective structures. See how simple plastic and straw structures can be built with a minimum of tools and know-how. CUH Outreach Coordinator Sue Nicol will discuss current winter temperature trends in the greater Puget Sound area.

Arbors and Trellises

**DATE & TIME:** Saturday, October 30, 10:30 a.m. to 12:30 p.m.
**INSTRUCTOR:** Tom Penticoff, owner, Garden View Landscaping
**LOCATION:** off-site; map provided at registration
**FEE:** $25; $22 Arboretum Foundation members; pre-registration required.

Arbors and trellises can transform an ordinary garden spot into a place with personality. Tom Penticoff will take you through the design considerations, a discussion of the materials needed (including options, determining amounts needed, costs, and where to find them), tools required and their use; plus a demonstration of the construction techniques and tricks necessary to complete projects on your own. Class will be held in Tom’s backyard where examples of completed projects can be seen.

Research in the Miller Library

**DATE & TIME:** Wednesday, Oct. 20, 7 to 8:30 p.m.
**INSTRUCTOR:** Carol Brittnacher, library technician
**LOCATION:** Miller Library, CUH
**FEE:** $10; pre-registration required.

Interested in the latest research on compost tea or controlling black spot? Then you’ll want to search the periodical literature, a daunting task for those not in-the-know. Carol Brittnacher will take away some of the mystique. Using the University Libraries Information Gateway as a starting point, she’ll introduce you to several powerful databases that can search the periodicals. Plus she’ll pass on her tips for searching by keyword.
Taxonomic Key Basics

DATE & TIME: Wednesday, November 17, from 7 to 9 p.m.
INSTRUCTOR: Erikka Pearson, CUH graduate student
LOCATION: Douglas Classroom, CUH
FEE: $25; $22 Arboretum Foundation members; pre-registration required.

Taxonomic keys are important botanical tools used to identify plants, but the language and methodology can be daunting to those unfamiliar with their use. Erikka Pearson, CUH graduate student and former herbarium collections manager, will teach you how to approach using a key. She’ll also provide the resources, book titles, and know-how for you to begin mastering the process on your own.

Landscape Design Basics

DATES & TIMES: Six-part course: November 16, 18, 30, and December 2 from 7 to 9 p.m. November 20 and December 4 from 9 a.m. to noon
INSTRUCTOR: Keith Geller, Landscape Architect
LOCATION: NHS Hall, CUH
FEE: $170; pre-registration required

Learn the principles and mechanics of design, site analysis, selecting plants, and more. This course is intended for students at all levels of expertise. It includes homework assignments in addition to the lectures and field trips.

Year-Round Color: Beyond Flowers

DATE & TIME: Monday, December 6, 7 to 9 p.m.
INSTRUCTOR: Bess Bronstein, horticulture instructor and consultant
LOCATION: NHS Hall, CUH
FEE: $25; $22 Arboretum Foundation members; pre-registration required.

Enjoy color in your garden throughout the year, even when flowers are absent. Colorful berries and other fruit, bright stems on cold, gray winter days, and vibrant leaves in autumn can extend color through all four seasons. Bess Bronstein will present a collection of trees and shrubs that will liven up even the darkest corners in your garden.

Planting for Slopes

DATE & TIME: Monday, November 29 from 7 to 9 p.m.
INSTRUCTOR: Pat Roome, garden consultant
LOCATION: Douglas Classroom, CUH
FEE: $25; $22 Arboretum Foundation members; pre-registration required.

Slopes present one of the most challenging topographies for any landscaper or gardener. Pat Roome has consulted on large-scale local slope stabilization projects. She will discuss the role that geology and soil play in our slope problems. Then she will provide a selection of plants that are esthetically pleasing but also provide surface erosion protection, are adapted to the climate of the site, pest and disease resistant and require no water or little maintenance. Planting techniques unique to slopes will also be covered.
practical gardening lectures

These lectures and demonstrations are planned jointly with the WSU Cooperative Extension Community Horticulture Program and Seattle Public Utilities. They are presented by experienced WSU Extension staff or local garden experts.

Under the Seattle Sun-Drought Resistant Gardening Inspired by Tuscany

DATE & TIME: Saturday, October 23, 10 a.m. to noon
INSTRUCTOR: Marianne Binetti, garden writer
LOCATION: Douglas Classroom, CUH
FEE: $15; pre-registration required

Our climate is surprisingly similar to Italy in the summertime. Having just returned from Tuscany, Marianne will show beautiful examples of Mediterranean plants that thrive with very little water and survive our cold winters. Not all the plants suggested will be from the Mediterranean. Some of the best choices for dry shade come from right here in the Pacific Northwest. Add a mix of these to your Northwest garden and spend less time maintaining it no matter what your garden style. This class will help beginning gardeners as well as professionals who want to worry and water less. Beyond plant ideas, you’ll learn key practices that will keep these plants healthy and make for a more relaxing summer next year. Co-sponsored by Seattle Public Utilities.

Beneficial Bugs in your Backyard

DATE & TIME: Tuesday, November 9, 7 to 8:30 p.m.
INSTRUCTOR: Tara Zimmerman, Extension Educator
LOCATION: Douglas Classroom, CUH
FEE: $10; pre-registration required

Good bugs are an important part of a healthy landscape, but many gardeners have a hard time distinguishing a good bug from a bad bug. Tara Zimmerman will teach you how to recognize the beneficial insects and how to best use them in your landscape. If you have ever wondered, “Just when do I release those ladybugs, anyway?”, this is the class for you. Topics will include: what to expect from beneficial insects, how to attract and keep them in your yard, and where to go for purchasing and more information.

pro-hort at cuh

ProHort classes at CUH are designed for professionals in the horticulture industry. Upcoming fall class topics include:

- Update on **Phytophthora ramorum** (Sudden Oak Death)
- Bamboo in the Landscape
- Conifer Identification
- Rehabilitative Pruning

Please phone 206-685-8033 or e-mail kirchner@u.washington.edu if you would like to be on the ProHort mailing or electronic ListServ list.
youth and family programs

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

**Saplings School Programs**
Washington Park Arboretum becomes nature’s classroom for Saplings School Programs, educational tours for students in grades K-8. The 90-minute programs are held Monday through Friday mornings during the school year. Cost is $2.50 per child. Sapling’s program curricula are aligned with the Washington State’s Essential Academic Learning Requirements. Please call to reserve a date at least three weeks in advance.

**Discover Plants:**  
**Grades K-2**  
Younger students gain exposure to the wonderful world of plants through a guided Arboretum tour. Students compare and contrast similarities between plants and people as they learn what each needs to grow and be healthy. They discover the functions of different parts of plants through hands-on games and activities.

**Life Cycle of a Plant: Fantastic Fall**  
**Grades 3-6**  
As seasons change, so do the plants around us. Students learn how fallen leaves give nutrients back to the trees. They explore seed production and dispersal, photosynthesis and the reason for leaves changing color. Students discover the secrets of autumn while learning about the life cycle of plants from flower to fruit.

**Wetland Ecology Walk: Focus on Habitats**  
**Grades K-3:**  
What are wetlands? During a guided tour of Foster Island, students discover the purpose and function of wetlands. They investigate wildlife habitats through observations and hands-on activities.

**Wetland Ecology Walk: Focus on Ecosystems**  
**Grades 4-8**  
Students investigate the complex world of a wetland ecosystem. They discover the importance and function of wetlands through a guided tour of Foster Island featuring hands-on activities, wildlife tracking and scavenger hunts.

**Native Plants and People**  
**Grades 3-8**  
What is a native plant? Students discover the historical importance of native plants to the Coast Salish people by investigating and identifying northwest native plants. Students will learn how native plants were used in daily life through role playing, discussion and use of artifacts crafted from native plants.

**Self-Guided Pack Programs**

**Family Adventure Packs**  
Investigate the wonders of the Arboretum with a Family Adventure Pack. Designed for groups of up to 5, Family Adventure Packs include games and activities with easy-to-follow directions, maps, field guides and field equipment. 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 Adventure Pack Themes:**

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

**WETLAND WONDERS**  
Take a safari to Foster and Marsh Islands along the Waterfront Trail. Collect aquatic insects, go on a wetlands scavenger hunt and play games. Pack comes with binoculars!
Arboretum Explorer Packs
Explore the Arboretum at your own pace with field equipment, activities and games with easy-to-follow directions, scavenger hunts and maps. An excellent idea for teachers, scouts, camps, daycare and other youth groups. Available at the Graham Visitors Center lobby from 10 a.m. to 3 p.m. daily. Suitable for groups of 15-30 children. Appropriate for grades 1-6. A two-hour rental fee is $15. Each pack can accommodate 15-30 students. Advance registration required; call 206-543-8801.

Explorer Pack Themes:

TREE-TECTIVE Learn amazing facts about trees while exploring the Arboretum. This pack includes hand lenses, magnifiers, field guides, scavenger hunts games and even “tree cookies!”

MARSH MADNESS Explore Seattle’s largest wetland, Foster Island, through aquatic dips, wildlife identification and games. Investigate the amazing critters and plants that make the wetland their home. This pack includes dip nets, aquaria, bug boxes, field guides, and scavenger hunts.

AUTUMN ADVENTURES (SEPT - NOV) Focus on leaf color change, tree adaptations, fossils and leaf identification. Pack includes field guides, two-way viewers, scavenger hunts, tree and leaf identification cards and hand lenses.

arboretum guided tours
Enjoy the seasonal splendor of autumn with a guided tour of historic Washington Park Arboretum. Stroll through the collections with a trained Arboretum guide while focusing on vivid fall color and the beauty of leaves, bark and berries. Available for groups of 10 or more. 60 to 90 minute tours are led by trained Arboretum guides. Fees are $3 per person ($2 for Arboretum Foundation members) with $30 minimum. To reserve a date, phone 206-543-8801; three weeks advanced reservation required.

Weekend Walks at One
Free weekend walks are offered the first and third Sunday of the month at 1 p.m. The 60 to 90 minute walks, led by trained Arboretum guides, focus on seasonal interest in the Arboretum. Walks depart from Graham Visitors Center. Call ahead to ensure a weekend tour, 206-543-8801.
### October

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<td>Miller Library Drop-In Tour</td>
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<td>Ornithological Society</td>
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<td>Iris Society</td>
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<td>WA Butterfly Association</td>
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<td>Rhododendron Society</td>
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<td>Orchid Society</td>
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<td>PS Mycological Society</td>
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<td>NHS Lecture</td>
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<td>Plant Amnesty</td>
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<td>Iris Society</td>
<td>7:30 p.m.</td>
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<td>3</td>
<td>WA Butterfly Association</td>
<td>7 p.m.</td>
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<td></td>
<td>Rhododendron Society</td>
<td>7:15 p.m.</td>
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<td>8</td>
<td>Miller Library Drop-In Tour</td>
<td>7 p.m.</td>
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<td></td>
<td>Orchid Society</td>
<td>7 p.m.</td>
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<tr>
<td>9</td>
<td>Beneficial Bugs</td>
<td>7 p.m.</td>
<td>CUH</td>
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<td>PS Mycological Society</td>
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<td>10</td>
<td>NHS Lecture</td>
<td>7 p.m.</td>
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<td>11</td>
<td>Rock Garden Society</td>
<td>6:30 p.m.</td>
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### December

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<tr>
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<tr>
<td>1</td>
<td>WA Butterfly Assoc.</td>
<td>7 p.m.</td>
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<td>2</td>
<td>Landscape Design Basics</td>
<td>7 p.m.</td>
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<td>4</td>
<td>Landscape Design Basics</td>
<td>9 a.m.</td>
<td>Off-Site</td>
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<td>6</td>
<td>Year-Round Color</td>
<td>7 p.m.</td>
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<td>Miller Library Drop-In Tour</td>
<td>7 p.m.</td>
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<td>Ornithological Society</td>
<td>7 p.m.</td>
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<td>8</td>
<td>Plant Amnesty</td>
<td>7 p.m.</td>
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<td>9</td>
<td>Rock Garden Society</td>
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<td>12</td>
<td>Rhododendron Society</td>
<td>3 p.m.</td>
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<td>13</td>
<td>Orchid Society</td>
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<td>14</td>
<td>PS Mycological Society</td>
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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: A $25 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)
206-616-2871 (fax)
www.wparboretum.org
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>FEE</th>
<th>AF MEMBER</th>
<th># PEOPLE</th>
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<td><strong>HORTICULTURE PROGRAMS</strong></td>
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<tr>
<td>Winterizing Half Hardies in the Pacific NW, October 14</td>
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<td>Research in the Miller Library, October 20</td>
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<td>Taxonomic Key Basics, November 15</td>
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<td>Landscape Design Basics, November 16, 18, 20, 30, December 2, 4</td>
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<td>Planting for Slopese, November 29</td>
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<td><strong>PRACTICAL GARDENING LECTURES</strong></td>
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<td>Drought Resistant Gardening Inspired by Tuscany, October 23</td>
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<td>Beneficial Bugs in Your Backyard, November 9</td>
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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 5:00 p.m. or
telephone 206-685-8033

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

If you wish to receive electronic copies of this newsletter, please e-mail kirchner@u.washington.edu.
director’s notes

Gone are the days when July and August were slow times in the life of the Center and Arboretum. Here’s just a synopsis of a few projects keeping us busy:

Interviews for a new manager for the Elisabeth C. Miller Horticultural Library were held mid-August. This position will play a vital role in the reopening and future of the library. As of press time, three candidates await a decision.

Merrill Hall construction continues slightly behind schedule, mostly due to the late arrival of the Commons Greenhouse. If anyone has not walked around the construction site, you will begin to marvel at this new building. We anticipate moving in late this year, with a formal opening in early 2005. We also believe that we will meet LEED “Silver” certification.

Several projects are now in full swing in the Washington Park Arboretum. The Shoreline Improvement Project around part of Duck Bay and Foster Island began in mid-August and will continue for about two months. The Wayfinding and Interpretation Project held its first public open house and is expected to be complete by early 2005. The South Entry/Madrona Terrace Project has just started its study sessions. The new Mainline Irrigation Project consultant has been chosen.

The Arboretum’s Curation area is accessing the possible impact of the proposed SR 520 bridge update, the planting of the Pinetum with 35 new conifers and is assessing the Arboretum’s holly collection.

I am having a good time handling the directorship duties on both sites. And I am also eagerly awaiting the arrival of Dr. David Mabberley.

JOHN WOTT, DIRECTOR OF WPA AND INTERIM DIRECTOR OF CUH