

INews

MESSAGE FROM THE DEAN

On October 15th, "Come Together Washington" will launch the public phase of *Campaign UW: Creating Futures*. It will be a celebration of the remarkable things that the UW and this community can and have achieved, together. Our College will be represented in faculty and student showcases on "Cities and Ecology: Working Together Instead of Apart." The event, at the Bank of America Arena, HEC Edmundson Pavilion on the UW Seattle Campus at 4:30 p.m., will also feature a keynote address by Bill Gates, III; live, interactive video from UW faculty and students around the world; and a public address by UW President Mark Emmert. Admission and parking are free; for details see uwalum.com/ctw.

The College's vision and priorities in fundraising for *Campaign UW* are consistent with our efforts to embrace sustainability as our guiding paradigm. Our College is committed to international leadership in knowledge and solutions for environmental and natural resources issues. We draw on two themes: sustainable forest enterprises and sustainable land and ecosystem management in an urbanizing world, with sustainability our key integrating concept. While no single word can capture all we do or can do, the concept of sustainability guides our educational, research, outreach, and development programs.

Our fundraising efforts must ensure teaching and learning that enable professionals, scientists, decision makers, and citizens to be leaders in using the best, most appropriate science to meet resource and environmental challenges. Our efforts must develop partnerships across the community and industry spectrum to discuss issues and solve problems. To be successful, we need a well-educated and diverse faculty with opportunities to grow professionally, well-prepared and motivated students, state-of-the-art facilities and infrastructure, and ample opportunities for enhanced student learning. We need to foster new initiatives that help ensure sustainable forestry and forest enterprises, as well as sustainable urban environments. We have set a campaign goal of \$17.7 million. Reaching this goal will provide the resources for a truly transformed College that will build on its long tradition of excellence far into the future.

Our progress in the campaign to date has been extremely gratifying. With the leadership of a Volunteer Campaign Committee, chaired by Cassie Phillips, ('76), Vice President for Sustainable Forestry at Weyerhaeuser Company, we have raised \$8.8 million, or approximately 49.9 percent of our goal. Your faith in our commitment to the very best in teaching, research, and outreach has manifested itself in many generous gifts, including:

- The James and Marinelle Bethel Endowed Graduate Fellowship, to recruit and support students in all of our graduate programs.
- The Denman Endowed Professorship in Sustainable Resource Sciences, to attract and retain distinguished faculty doing research and teaching in sustainable resource sciences.
- The planned Michael and Carol Lazara Endowment, to provide discretionary funding.
- The James Ridgeway charitable gift, to provide funding for our programs in sustainable forestry.

In 2007 the College of Forest Resources will celebrate its centennial year. Your generosity in this important campaign will make this event truly one to celebrate. It reminds each of us that we have been "creating Futures since 1907."

B. Bruce Bare

"The College of Forest Resources: creating futures since 1907."



Measuring photosynthesis in the forest canopy. Photo: WRCCRF Image Archive.

Wind River Canopy Crane

from water works to witches' brooms

The Wind River Canopy Crane Research Facility (WRCCRF), a 285-foot tool that takes scientists into the crowns of over 300 old-growth trees, stands in southwest Washington near the Columbia River Gorge. Erected in 1995 as a cooperative venture of the Gifford Pinchot National Forest, the USFS Pacific Northwest Research Station, and the UW, the crane's day-to-day operations are managed by the College of Forest Resources.

Just as doctors couldn't begin to understand human health by looking only at the lower third of patients' bodies, scientists can't understand what makes forests thrive unless they can examine whole trees. From the gondola of the crane, scientists gather samples, install instruments, and conduct experiments in the canopies of trees as tall as 215 feet. The gondola operates in a 279-foot circle, giving researchers access to nearly six acres of old-growth canopy.

The WRCCRF sponsors an annual research review that brings scientists together to talk about ongoing current projects at the crane. This June researchers discussed projects ranging from how trees use water to how parasitic epiphytes infest stands of timber.

A key factor in forest growth and subsequent carbon sequestration is the way trees take up and give off water. On-site research covers this process from below the forest floor to the tops of trees. One question being explored is whether the significantly larger portion of internal water storage in large Douglas-firs is an adaptation to stave off drought or simply a consequence of growing larger. Researchers are also trying to determine the significance of what scientists call hydraulic redistribution in the root zone. Deep roots bring water up to a tree's fine roots in the top two feet of soil where, if conditions are dry, the water can "leak" back into the soil. Findings have shown that such redistribution of soil water could stave off fine-root damage during drought conditions.

CONTINUED NEXT PAGE

In this issue

- CANOPY CRANE
- UW TREES GET INOCULATED
- UW - SICHUAN EXCHANGE PROGRAM
- NEW CUH/WPA DIRECTOR
- ALUMNI FOCUS
- COLLEGE NEWS

FALL 2004



Wind River Canopy Crane continued



Earthwatch students mapping the forest near the Wind River Canopy Crane.

To analyze how root growth changes the nutrient content of soil, nearly 200 soil bags have been buried at the crane. Once riddled with tree roots, the bags are retrieved for processing that involves, among other things, separating and collecting all the roots down to the size of a human hair. Also embedded in the forest floor at the crane site are cylinders to which researchers attach a gas analyzer that measures the carbon lost from the soil system and tree roots.

Each fall the parasitic western hemlock dwarf mistletoe forcibly ejects its seeds — sometimes with enough velocity to travel 50 feet. Once infected, a hemlock tree becomes stunted, its branches may deform into bristling growths called witches' brooms, and sometimes it dies. It's such a problem that timber managers use computers to predict the course of infestations and how much timber might

be lost. Thirty percent of the forest around the crane is infested and researchers already have produced information on the basic biology of the mistletoe, how trees respond to infection, and how the infection is spread.

Although research is the primary function of the WRCCRF, education is an important component. Activities during the past year have included cooperative learning programs with high schools, community colleges, and universities, educational lifts, guided walking tours, K-12 classroom visits, interpretive displays, and television, newspaper, magazine, and book features. Safety is an important consideration at the site and all tours and lifts begin with safety orientations. Being able to actually see the forest canopy and to feel the difference in microclimates is a unique experience that adds immeasurably to tour discussions about forest research and the natural history of the Wind River area. A recent educational project is forest mapping being carried out by high school students in the Earthwatch Institute Student Challenge program. For several years, students have been mapping and remeasuring a plot and sampling western hemlock for dwarf mistletoe.

The WRCCRF is a key player in many research and environmental networks throughout the world, including participation in the Organization of Biological Field Stations, federal forests, natural areas, and national parks, a global carbon monitoring network, and the International Canopy Crane Network. An active research site of the western region of the National Institute of Global Environmental Change, the crane has also been identified as one potential observatory site in the newly emerging National Ecological Observatory Network (NEON), whose design phase has just been funded by the NSF.

The Wind River Canopy Crane was the third canopy crane erected in the world. There are now eleven, but it is still the largest and the only one located in a temperate forest. "Most of the world's people — in North America, Europe, most of China and much of Russia — live near temperate forests," says Professor Jerry Franklin, WRCCRF program director and the moving force behind getting the crane established, "and understanding these forests is of critical importance."

UW Trees Get Dutch Elm Inoculation

This summer silviculture Ph.D student Michael Andreu, who also works with the UW's Grounds Maintenance Department as the Integrated Pest Management Coordinator, inoculated campus elm trees to protect them from Dutch Elm disease (DED). DED, Andreu says, has been in the U.S. since 1930 and is found now in most states except the desert Southwest. The disease is caused by a fungus and is spread by the elm bark beetle or through grafted roots between infected trees. Once the tree is infected, the DED fungus grows and clogs its vascular system. Because of this clogging, water can't move through the vessels and wilting and ultimately death will occur. "We're lucky because right now we don't have any cases of DED on campus, although it's present in other parts of Seattle," Andreu says. "We're injecting the trees with a less virulent form of the fungus. The trees will build a response to the fungus and if they are infested with DED they will have a defense mechanism against the disease."

However, Andreu cautions that, like the flu shots humans get, the injection doesn't provide 100 percent protection. That means that the grounds maintenance crew needs to have a good monitoring system to watch for signs and symptoms in the trees so that they can prevent the disease from spreading. To facilitate monitoring for DED and other pest problems in the trees, the UW, in partnership with the College's silviculture program, the Center for Urban Horticulture, and the Washington Park Arboretum, is developing a plan to create a geo-spatial database of the UW's trees. "This project will revolutionize how we manage our urban forest," Andreu says, "allowing us to maintain long term management data and health information about each individual tree. This will be useful not only for maintaining healthy tree populations, but also for future projections of where and what species of new trees need to be planted. It will take a lot of the guesswork out of the planning process."

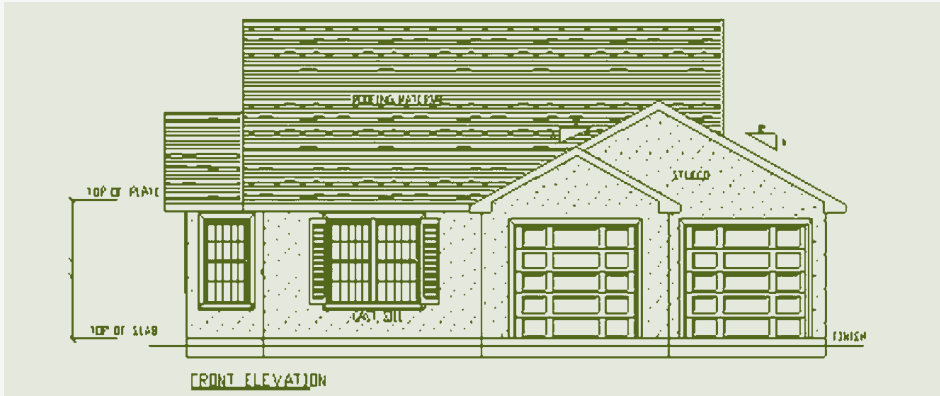
The database will provide many opportunities for educating students as well as the general public about the value of the UW's diverse urban forest. In fact, two successful pilot studies already have been completed by CFR undergraduate students. The first, carried out by Dawn Mauer (BS, '03), mapped the trees in the grove north of Anderson Hall. The second, completed by Ian Bishop (BS, '04) and Sako Hirata, mapped the cherry trees throughout campus. The projects used Geographic Position Systems and lasers to locate the trees and computer software (Geographic Information Systems) to link maps to a database of information about the trees.

"Using technologies such as these is the future of sustainable forest management — both urban and wildland — so these projects give UW students a real advantage in the professional sector," Andreu says.



Michael Andreu, silviculture Ph.D student, inoculates a tree against Dutch Elm disease. Photo: University Photography

College News



Researchers comparing two versions of this typical Atlanta house — 2,200 square feet in size and built to code — determined that building the structure using concrete framing would use 16 percent more energy and produce 31% more carbon emissions than building it with wood framing.

CORRIM Report Tallies Energy Costs and Carbon Emissions for Construction Materials

The Consortium for Research on Renewable Industrial Materials (CORRIM), led by Professor Bruce Lippke, recently released a report that tallies the environmental impact of home construction. The report summarizes the impact of all inputs and outputs used in producing the materials for and in constructing houses using six environmental indices (energy, global warming, water, air emissions, solid waste, and resource use). It concludes that most energy going into building U.S. homes is consumed during manufacture of the building materials themselves. Choosing construction materials wisely, Lippke says, is significant because building 1.7 million houses using wood-, steel-, and concrete-frame construction each year consumes as much energy as heating and cooling 10 million or more homes a year; material selection and house design could reduce energy use substantially. In comparing different framing materials, the researchers estimated that the global-

warming potential of the steel-frame home to be 26 percent higher than the wood-frame, and the concrete-frame home was 31 percent higher than the comparable wood-frame. A 12-page summary of the report published in the *Forest Products Journal* and the full report are available at <http://www.corrim.org/reports/>.

Rare Care Wins National Award



Kathleen Clarke, BLM Director; Carolyn Alfano, Rare Care Program Manager; and Dale Bosworth, USFS Chief. Photo Rod Clausnitze.

The Rare Plant Care and Conservation Program (Rare Care) received a joint award from the U. S. Forest Service (USFS) and the U. S. Bureau of Land Management (BLM). The award, entitled the "Conservation Project Award" and presented by USFS Chief Dale Bosworth and BLM Director Kathleen Clarke at a reception at the 69th North American Wildlife and Natural Resources Conference, recognizes a project with outstanding conservation accomplishments for fish, wildlife, and/or native plants and their habitats for public lands. Located at the College's Center for Urban Horticulture, Rare Care was chosen for this award because of its innovative programs that train and manage 134 volunteers to monitor 266 rare plant populations, collect and safely conserve seed of rare plants, and promote conservation education. "This honor," says Rare Care Director and Assistant Professor Sarah Reichard, "is tremendous recognition of the hard work of our staff and volunteers and validates the trust of those who have supported us."

Agnes Healy Anderson Honored at Gala Event

Dean Bruce Bare hosted, "Venerable Past, Extraordinary Future," an event in honor of Agnes Anderson, who in 1925 presented Anderson Hall to the UW "as a fitting memorial to her late husband, Alfred H. Anderson," and for "a magnificent building to serve as a home for the School of Forestry." Mrs. Anderson also established two endowed gift funds when she was made aware of the financial difficulties of many forestry students by then Dean Winkenwerder. The funds continue to provide scholarships and fellowships to students across all of the College's programs.

Present at the event were many CFR alumni and friends, along with event co-hosts Colin Moseley, CEO, Green Diamond Resource Company; Cassie Phillips, Vice President for Sustainable Forestry, Weyerhaeuser Company; Maureen Frisch, Vice President for Public



Friends of the College Lynn and Tom White (center) with Anderson's Lockwood Forest Club Room windows in background.

Affairs, Green Diamond Resource Company; Ann Forest Burns, Partner, Burns and Williams; and Ann Goos, Director of Environmental Affairs, Washington Forest Protection Association. The College also thanks Barbara Cairns, Executive Director, Long Live the Kings and Amy Solomon, Program Officer, The Bullitt Foundation, for their help in sponsoring the event.

Modest Climate Change Could Lead to More and Larger Fires

Don McKenzie, Affiliate Assistant Professor and researcher with the USFS Pacific Wildland Fire Science Lab, and Professor Dave Peterson are among the authors of "Climatic Change, Wildfire, and Conservation," just published in the August issue of *Conservation Biology*. The article proposes that the area burned by wildfires in 11 Western states could double by the end of the century if summer climate warms by slightly more than a degree and a half. More frequent, more extensive fires in forest ecosystems will likely reduce the number and size of patches of older forests, the authors say. Corridors of wild areas between forests, through which species might migrate if their home territory goes up in flames, also could be affected, possibly eliminated. "The winners after fire in these cases are the weedy, adaptive, quickly reproducing species," says McKenzie, the article's lead author. "The losers are the ones needing more stable environments."

Highlights

The Denman Forestry Issues Series spring program, "Invasive Species in the Pacific Northwest," featured faculty Bob Edmonds, Bob Gara, and Sarah Reichard, along with ONRC's Marine Program Manager Miranda Wecker and WA Department of Agriculture's Brad White ('91, '97) speaking on invasive species in Pacific Northwest ecosystems. The program is available for viewing on UWTV and in streaming video on the UWTV website.

New appointments to the College's Visiting Committee include alums James Dooley ('00), Executive Manager, Forest Concepts, LLC; Cassie Phillips ('76), Vice President of Sustainable Forestry, Weyerhaeuser Company; and Janet Wainwright ('75), Janet Wainwright Public Relations. The College is grateful to outgoing members William Corbin, Lee Keller, and David Leland for their past service on the committee.

The Summer Math Institute at ONRC, sponsored by the College through a grant received from the WA Higher Education Coordinating Board, brought quality professional development to teachers on the Olympic Peninsula. Professor Bob Lee played a key role in the institute, which provided mathematics instruction throughout the grade levels with course content that included applications of mathematics in forestry and fishery sciences.

The Washington Pulp and Paper Foundation (WPPF) held its annual meeting in May. John Hanby, WPPF's Executive Director, reported on highlights of the past year including new membership, growth in the WPPF endowment and reactivation of the development committee, a successful recruiting effort for the College's Paper Science and Engineering program, and a five-year plan update.

Congratulations to: Ivan Eastin, promoted to Professor (WOT), effective July 1, 2004; to Susan Bolton, promoted to Professor, effective September 16, 2004; and to Professor Graham Allan, Research Assistant Professor Sally Brown, and Associate Professor Daniel Vogt, recently elected to the UW Faculty Senate.

Two centers in the College will have new directors this fall. David Maberley has been appointed Director of the Center for Urban Horticulture and Washington Park Arboretum (see article p. 4). Anne Steinemann is the new Director of the Center for Water and Watershed Studies. She has a faculty appointment as Professor in the Department of Civil and Environmental Engineering.

Wildlife science undergraduate Carrie Spradlin was awarded one of six UW Library Research Awards and a prize of \$1,000 for her project on Colorado's Rocky Mountain bighorn sheep. The award committee was impressed with the depth and breadth of her research, under the direction of Professor Ken Raedeke, and her use of library research tools.

Recent faculty awards include the receipt by Professor Kern Ewing and Adjunct Associate Professor Warren Gold of the 2004 John Rieger Award from the Society of Ecological Restoration International in recognition of their work with the UW's Restoration Ecology Network, and Professor Jerry Franklin's receipt of the Edward T. Laroe III Memorial Award for his work in conservation biology.

Alumni Focus

Wetlands Safari Co-sponsored by CFR and UWAA

On August 14, 2004 alumni and friends explored the Union Bay Natural Area (UBNA) wetlands with College faculty and staff. The group was treated to a lecture by Professor Tom Hinckley on the UBNA's history, followed by a "safari" led by Professor Kern Ewing. Participants learned about diverse shoreline habitat and how restoration ecology helps sustain our northwest world's native flora and fauna in this unique urban environment. The group was wired with remote microphones throughout the safari and used hand lenses and binoculars to see a variety of wetland plants, mammals, and birds.

CFRAA Meeting and Banquet

The College's Alumni Association (CFRAA) will hold its annual meeting and banquet on November 5, 2004 on the UW campus. Events include the 12 p.m. meeting and a 2 p.m. College Showcase on the Rural Technology Initiative, both in the Anderson Hall Forest Club Room, and a 5 p.m. social followed by the 7 p.m. annual banquet, both at the University of Washington Club (formerly the UW Faculty Club). Make a reservation

(required) for the banquet online at UWalum.com or by calling 1-800-AUW-ALUM. The meeting agenda will include a review of the past year's activities, the election of new officers and trustees, an update on the 2004 Arbor Day Fair, a report on the Scott Endowed Professorship, and discussions of the "hidden wood" collection and the future of CFRAA.

Alum's Gift to College will Provide for Discretionary Use Endowment

Mike and Carol Lazara have established an irrevocable gift to the College through a charitable gift annuity, as part of their estate plan. When the endowment is established, the funds from the Michael and Carol Lazara Endowment in the College of Forest Resources may be used at the discretion of the dean, with a preferred use to support entrepreneurial approaches to wood based businesses. Lazara (MS, '49) was a member of Alpha Chapter Xi Sigma Pi honor society. Upon graduation, Lazara joined the CFRAA and was the CFRAA Honored Alumnus in 1977. He joined the Society of American Foresters (SAF) in 1949, serving as Chapter Officer, and became an SAF esteemed Fellow in



Professor Kern Ewing (right, in hat) leading the Wetland Safari. Pat Cummins ('50) (left, in hat) was an alumni participant.

1990 and a Golden Member in 1999. He directed Keep Washington Green from 1951 until 1957. From 1949 through retirement in 1980, the Lazaras raised their family in Seattle, while developing a highly successful international forestry career, assessing and managing forest resources in South America, the Pacific Rim, Canada, and the U.S. Their entrepreneurial spirit resulted in their co-founding of Green Acres, Inc., Consulting Foresters and Resource Managers. Green Acres eventually became a publicly traded company specializing in forestry and resource management around the world.

Share Your News

CFR alumni activities and successes are of interest and inspiration to faculty, students, staff, alumni, and friends of CFR. Update your contact information, including your email address at <http://www.washington.edu/alumni/addresschange.html>.

Dave Eastman ('74), now living in the White Mountains of New Hampshire, writes a weekly column and hosts a weekly radio show. Owner of "Country Ecology," a business specializing in enhancing bird habitat, Eastman has written several articles on his work in

birding magazines and is about to publish a book, "A Naturalist's Journal of Living With the Birds."

Paul Mathews ('74) heads Ecosign, one of the world's leading mountain resort planners. Based in Vancouver, BC, the company has played a key role in the redevelopment of several Swiss resorts. Ecosign has built or redeveloped ski resorts in more than 20 countries and is involved in creating a multibillion-dollar ski region near the Russian resort of Sochi.

Chris Servheen ('75) is the coordinator of grizzly-bear recovery for the U.S. Fish and Wildlife Service. He and other federal officials are making plans to take bears off the endangered-species list, where they have been listed as threatened since 1975.

In memoriam

Arthur W. Greeley ('34)

Harold "Hal" E. Cook ('49)

Dick Jordan ('53)

Reese Martin ('82)



UW-Sichuan Exchange Program: snow leopards to ethnobotany

The UW-Sichuan exchange program, a pilot project of the UW Worldwide Initiative, was launched in Autumn 2000. The program, in collaboration with Sichuan University (SU) in Chengdu, China, focuses on five research areas: biodiversity, water resources, forest ecology, environmentally-friendly (eco-) materials, and human-environment interaction. It offers students the opportunity to study and live in Chengdu for a year, earning UW credits while participating in exciting research projects. The program is led by Gretchen Kalonji, Kyocera Chair Professor of Materials Science and Engineering. Students in the program come from many UW majors, and College of Forest Resources undergraduates Phil Chi (BS, '04), Chris Domschke, Victoria Poling (BS, '04) and Riz Reyes, have been among those taking advantage of this incredible opportunity.

Chi and Poling both entered the program as freshmen in 2000. Chi spent the last half of his junior and first half of his senior years and Poling spent her junior



(Left) Phil Chi, Victoria Poling, and Diane Tsao gathering soil samples. (Right) Under the watchful eye of village elder Mgebbu Ashy, UW botanist Dick Olmstead (left) consults with forestry professor Tom Hinckley about a plant they have just collected.

year at SU. They worked with CFR's Professor Tom Hinckley and other faculty and students doing quantitative measurements of local forest cover and growth and measuring patterns of wood consumption, trying to answer the question of whether current levels of usage are sustainable. Poling also made many trips to the village of Yangjuan to conduct ethnobotanical research. Domschke entered the program in 2001 and has spent his junior year and several summers researching snow leopards. His and bioengineering student Katharine Liang's proposal to conduct a population survey of snow leopards in the Tibetan Plateau has won them UW Mary Gates Research Training Grants. Reyes, a junior studying environmental horticulture and urban forestry, just arrived this August in Chengdu. Born in the Phillipines, Reyes has long been a gardener interested in the diversity of plants, and he propagates plants from seeds for his own nursery, RHR Plants. He is looking forward to collecting seeds during his year's stay in China, and hopefully teaming up with horticulturalist and CFR alum Dan Hinkley (MS, '85) on a plant collecting expedition in Western Sichuan.

A key feature of the program is reciprocity of exchange. SU students come to the UW to study and do research in fields as diverse as anthropology, engineering, and forestry. This year 26 SU students will be enrolled in the UW, with about one-fifth enrolled in the College's ESRM program, including its new core course series.

Victoria Poling expressed the value of the program to her education this way, "What I learned from Yangjuan had more to do with people, their personalities and values, than it did with systematic botany. The plant collecting and naming became more of a tool to see into the living history of Yangjuan and the people of Yangjuan."

Internationally Known Botanist Appointed New CUH and WPA Director

A former dean with Oxford University — who oversaw refurbishment of gardens in the heart of Oxford visited by thousands every year and managed one of the most historically significant herbarium collections in the United Kingdom — has been named director of the Center for Urban Horticulture (CUH) and the Washington Park Arboretum (WPA). David J. Mabberley, an expert in plant taxonomy and ecology who has written 14 books and more than 200 publications, will be a professor of economic botany in the College and will hold the Orin and Althea Soest Chair in Horticultural Science while he serves as director.

In recent years there have been separate directors for the center and the arboretum. "Having one director will support integration of the often related outreach, research, curatorial, and development activities of the center and arboretum," says Dean Bruce Bare. "It will build on the solid horticultural reputations of both to support the College's vision of world-class programs focusing on sustainability, of which the sustainability of urban ecosystems is a key element."

Mabberley is currently based in Sydney, Australia organizing international projects for his firm David Mabberley Consulting and pursuing academic writing and research through an honorary research associateship at Sydney's Royal Botanic Gardens. He currently is in Europe and Asia for up to half the year executing contracts as part of his consulting business and maintaining his positions as professor with the University of Leiden, the Netherlands, and honorary director of the Joseph Banks Archive Project with the Royal Society and Natural History Museum in London. "I hope to bring a fresh, broad-based, international perspective to the directorship," Mabberley says.

Mabberley teaches and studies biodiversity, the interlocking disciplines of ecology and conservation, and systematic botany and evolution. He largely focuses on the management of forest trees and other plants of economic value, especially *Rutaceae*, the citrus family. Among his publications is the *Plant Book: A Dictionary of Vascular Plants*, designated by the European Union as the standard dictionary of plants and plant products and a bestseller among botanists and gardeners worldwide.

Professor Thomas Hinckley, CUH director for four years, recently returned to full-time teaching and research. Professor John Wott, WPA director for more than 10 years, is serving as acting director of the center in addition to his duties as arboretum director, until Mabberley's arrival.



Upcoming Events Calendar

OCTOBER 14
ProHort Seminar, Rehabilitative Pruning
UW campus, CUH

OCTOBER 15
Visiting Committee Day
UW campus

Come Together Washington
Hec Edmundson Pavilion, UW campus

NOVEMBER 5
CFRAA Annual Meeting and Banquet
UW campus

NOVEMBER 9-10
PNW-CESU Annual Meeting
UW campus, CUH

NOVEMBER 13
Fall Forestry Educational Seminar
C. L. Pack Experimental Forest,
Eatonville, WA

NOVEMBER 22-23
Saving Washington's Working
Forests Conference
Alderwood Resort, Union, WA

DECEMBER 3
Visiting Committee Day
UW campus

DECEMBER 8-10
Landscape Management System
(LMS) Workshop
C.L. Pack Experimental Forest,
Eatonville, WA

CFR News

Please direct all corrections and inquiries to CFR News, University of Washington, College of Forest Resources, Box 352100, Seattle, WA 98195-2100.

EMAIL: cece@u.washington.edu PHONE: 206-543-3075

Share your news: CFR alumni activities and successes are of interest and inspiration to faculty, students, staff, alumni, and friends of CFR. Update your contact information at <http://www.washington.edu/alumni/addresschange.html>.

This newsletter can also be found on line at: www.cfr.washington.edu.

UNIVERSITY OF WASHINGTON College of Forest Resources

University of Washington
College of Forest Resources
Box 352100
Seattle, WA 98195

Non-Profit Org.
U.S. Postage Paid
Seattle, WA
Permit No. 62

NEWS