SPEAKER (AND CO-AUTHOR) BIOGRAPHIES

Debra J. Anderson

The Reproductive Ecology of Broadleaved Trees and Shrubs: An Innovative Educational Approach

Debra J. Anderson is a native Oregonian, born and raised in Portland. She received both her BS and MS degrees in Forest Resources from Oregon State University. The work reported at this conference formed the nucleus of her graduate work in Natural Resource Education. Debbie is currently a forester on the North Umpqua Ranger District of the Umpqua National Forest. She lives on the North Umpqua River with her chocolate Labrador retriever, Copper, and is a dedicated volunteer for the Glide Fire Department, Oregon SAF, youth education, and women's gymnastics.

Colleen Archibald

Propagating Native Grass Seed and Seedlings

Colleen attended school at Sonoma State University and Southern Oregon University. Her Forest Service career started in 1981 at the J. Herbert Stone Nursery. She became Seed manager in 1990. In 1994 duties of the native grass program were added to the Seed manager position.

Jim Brown

Rooting Ability of Fifteen Native Shrubs Using Hardwood Cuttings in the Field and Greenhouse

Jim Brown graduated from the University of Idaho with a B.S. degree in Botany in 1986. After spending 10 years in ornamental nurseries, he was hired by the Washington Association of Conservation Districts to work as the Technical Supervisor at their Plant Materials Center. The WACD PMC grows bare root native trees and shrubs for Conservation Districts and other cooperators.

Susan Buis

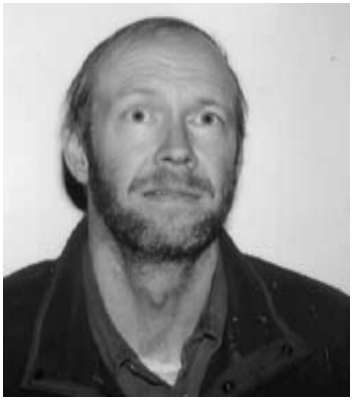
Salvaging Plants for Propagation and Revegetation

Susan Buis is co-owner of Sound Native Plants, a native plant nursery and licensed landscape contracting company, and Sound Ecological Services, an environmental consulting firm. Founded in 1991, her firms are capable of planning and implementing all aspects of environmental restoration projects, including design, permitting, propagation, installation, and monitoring. Susan received her B.S. in ecological sciences from The Evergreen State College in 1983. From 1987 to 1991, Susan worked in Olympic and Yosemite National Parks, developing and managing native plant propagation and revegetation programs. Her current special interest is in developing workable native plant specifications for mitigation and restoration projects.

Dale C. Darris

Rooting Ability of Fifteen Native Shrubs Using Hardwood Cuttings in the Field and Greenhouse AND Adaptive Genetic Variation of Broadleaf Lupine (Lupinus latifolius) and Implications for Seed Transfer

Dale Darris is a Conservation Agronomist with the USDA Natural Resources Conservation Service at its Plant Materials Center in Corvallis, OR. He grew up in Michigan and since 1980 has worked on seed and plant production, plant selection and revegetation technology in North Dakota, Maryland and Oregon. He received his B.S. in Plant (crop) and Soil Science from Michigan State University and has done graduate work in Forest Science at Oregon State. Current projects include a variety of native wetland and riparian grass and shrub propagation and establishment studies, including soil bioengineering.



David L. Doede

Adaptive Genetic Variation of Broadleaf Lupine (Lupinus latifolius) and Implications for Seed Transfer

David Doede is a forest geneticist with the USDA Forest Service Gifford Pinchot National Forest in Washington. He attended Oregon State University, earning a degree in forest management in 1976 and a master's in forest science in 1993. His interests include adaptive genetic variation in forest plants, population genetics of trees, and applied tree improvement.

Kas Dumroese

Comparing Micropropagation Protocols for a Herbaceous Perennial, a Woody Shrub, and a Conifer AND Restoring Idaho's Henry's Fork: A Case Study

Kas Dumroese has been at the University of Idaho Forest Research Nursery since 1984. He holds a Bachelor of Science in forest management from Michigan Technological University, Houghton, and a Master of Science and Ph.D. in forest resources from the University of Idaho. Although officially a research associate, that's somewhat a misnomer. Besides his primary responsibilities of planning, conducting, and publishing basic and applied research, he also assists with an annual production of 650,000 seedlings. Kas also disseminates research results to Idaho's nursery industry through workshops, extension publications, and technology transfer meetings.

John Edson

Comparing Micropropagation Protocols for a Herbaceous Perennial, a Woody Shrub, and a Conifer

John Edson holds a Master of Science in Forest Resources from the University of Idaho; a Diploma in Plant Conservation from The Royal Botanic Gardens, London; and Micropropagation Certification from the University of New England, New South Wales. He is past manager of the Micropropagation Unit of the University of Idaho Forest Research Nursery and presently owns and manages Hawaii Reforestation Nursery, a producer of tropical hardwoods and agroforestry products on the Garden Island of Kauai.

Edward O. Guerrant Jr.

Seed Germination and Storability Studies of 69 Plant Taxa Native to the Willamette Valley Wet Prairie

Edward O. Guerrant Jr. is the Conservation Director at the Berry Botanic Garden, in Portland, OR, a participating institution of the Center for Plant Conservation. He oversees the operation of the Garden's Seed Bank for Rare and Endangered Plants of the Pacific Northwest, and conducts demographic, genetic and seed germination work, usually in cooperation with federal land management agencies. He currently holds adjunct academic appointments at Lewis and Clark College in the Biology Department and Oregon State University in the Department of Botany and Plant Pathology. He received his PhD in Botany from the University of California at Berkeley.

Diane Haase (Conference Coordinator)

Diane Haase received her B.S. in Forestry from Humboldt State University in 1989 and her M.S. in Forest Science in 1991 from Oregon State University. She has been the Associate Director for the Nursery Technology Cooperative (NTC) since 1991. Diane's work with the NTC involves planning, development, and implementation of projects in the area of field reforestation, nursery management, and plant physiology. Projects have included areas such as fertilization, chlorophyll fluorescence, cold hardiness, integrated pest management, stocktype comparison, new product evaluations, native plant propagation, and more. In addition, Diane is responsible for data management and analysis, meeting and workshop coordination, and information transfer.

Constance Harrington

Extraction and Germination of Pacific Madrone Seed

Constance Harrington is a research forester with the Pacific Northwest Research Station in Olympia, Washington. She has a B.S. in forest botany and an M.S. in silviculture from the SUNY College of Environmental Science and Forestry in Syracuse, New York and a Ph.D. in physiology from the University of Washington. Harrington works on projects ranging from plant ecology to evaluating silvicultural options for producing wood, wildlife habitat, or other objectives. She is known for having a fondness for neglected species.

Valerie Hipkins

Genetic Studies in Native Plants

Valerie Hipkins is the Director of the National Forest Genetic Electrophoresis Laboratory (NFGEL), USDA Forest Service, in Camino, California. She received a B.S. in Forestry (1985) from Humboldt State University, a M.S. in Forest Science (physiology) (1988), and a Ph.D. in Genetics and Forest Science (1993) from Oregon State University. Her research focused primarily on the molecular genetics of forest trees and the evolution of DNA. Valerie joined the Forest Service in 1993 as Assistant Director of NFGEL and has been involved with numerous studies investigating molecular and population genetics of forest trees and herbaceous plants.

Edward C. Jensen

The Reproductive Ecology of Broadleaved Trees and Shrubs: An Innovative Educational Approach

Edward C. Jensen was raised amidst the farms and forests of northern Illinois. He received forestry degrees from the University of Illinois, University of Washington, and Oregon State University. Ed is currently an Associate Professor of Forest Biology at Oregon State University. In addition to teaching, he serves as coordinator of the Natural Resources Institute and the Forestry Media Center. In 1997 he received the Carl Alwin Schenck Award from the Society of American Foresters for his contributions to forestry education. His greatest professional joy comes from sharing his knowledge of plants with others.

Thomas N. Kaye

Growing Endangered Plants to Save Them: Germinating, Propagating, and Restoring Pink Sandverbena

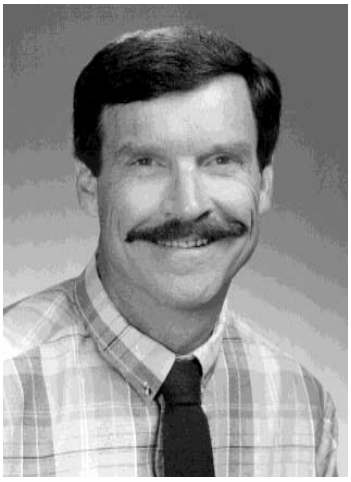
Tom Kaye is a Faculty Research Assistant with the Department of Botany and Plant Pathology at Oregon State University. He graduated with a B.S. from The Evergreen State College (1980) and received a master's degree from OSU (1989). He is currently pursuing a PhD in Botany at OSU. He has served on the IUCN Species Survival Commission, Re-introduction Specialist Group. After working for Olympic National Park (1984-1987), he joined the Oregon Department of Agriculture's Plant Conservation Biology Program full-time (where he continues to manage a summer intern program) until returning to graduate work at OSU in 1996. Tom specializes in the demography of rare plants, population viability analysis, habitat restoration, and monitoring. In addition, his interests include plant-pollinator interactions and discovering new plant species. He has a long-standing interest in coastal vegetation, including general patterns of plant distributions on the Pacific Coast and restoration of endangered species of beaches and dunes.

Charles Lamoureux

Micropropagation: An Important Tool in the Conservation of Endangered Hawaiian Plants

Charles Lamoureux is Director of the Harold L. Lyon Arboretum, and Professor of Botany, at the University of Hawai'i at Manoa. He received his B.S. from the University of Rhode Island, his M.S. from the University of Hawai'i, and his Ph. D. from the University of California, Davis. While his professional specialty is plant morphology, he has been interested in conservation of Hawaiian plants since he was

a graduate student, and in recent years most of his professional activities have been involved with conservation biology.



Tom D. Landis

Ruminations And Ramblings About Native Plant Propagation

Following forestry degrees from Humboldt State and Colorado State Universities, Tom began working for the USDA Forest Service in Colorado as a plant pathologist where much of his work was with forest and conservation nurseries. He served as Assistant Nursery manager at Mt. Sopris Nursery to gain on-the-job training in operational nursery practices. For the past 18 years, Tom has been based in Portland, OR, providing technical assistance and technology transfer services to nurseries in the Western U.S. and has recently been assigned National Nursery Specialist responsibilities. He also has represented the Forest Service with international work in México. Some of his technology transfer services include *Forest Nursery Notes* which is a semiannual newsletter and targeted literature service, and technical books including the *Container Tree Nursery Manual* and the *Forest Nursery Manual*.

Joyce Lapp

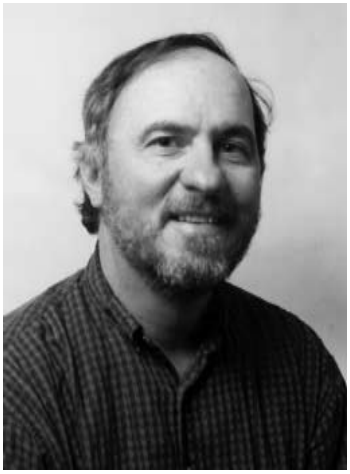
Restoration at Logan Pass: Glacier National Park and Subalpine Plant Propagation (paper not submitted)

Joyce Lapp is the Restoration Biologist for Glacier National Park in West Glacier, MT. She received her degrees in Horticulture and Soil Science from Montana State University and has worked for the Park Service for over 10 years. She developed native plant nurseries in both Glacier and Sequoia-Kings Canyon National Parks and has supervised seed collection and revegetation programs in those parks as well. Her current work in Glacier involves the supervision of the Native Plant Materials program and includes the development of restoration plans and plant materials for park lands disturbed by Federal Highway reconstruction and other activities.

Annette Leege-Brusven

Comparing Micropropagation Protocols for a Herbaceous Perennial, a Woody Shrub, and a Conifer

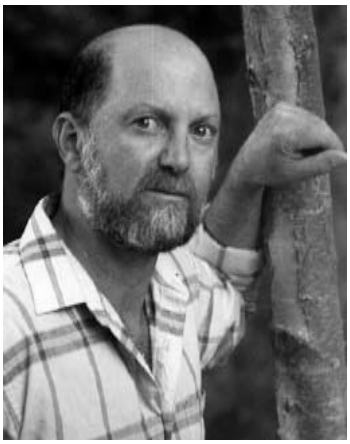
Annette Brusven received her Bachelor of Science (1989) in Horticulture and Master of Science (1991) in Plant Science from the University of Idaho. Then, deciding she needed a change, moved to Rotorua, New Zealand for a year where she worked as a visiting scientist in the micropropagation lab at the Forest Research Institute. Annette returned to Moscow in 1992 and began working in the Micropropagation Unit at the University of Idaho Forest Research Nursery.



Doug McCreary

Restoration of a Grazed Riparian Area

For the past 12 years, Doug McCreary has been a Natural Resources Specialist with the University of California's Integrated Hardwood Range Management Program. The primary mission of the program is the long-term conservation of California's native oaks and associated woodland resources. Prior to returning to California, Doug was a student in the College of Forestry at Oregon State University where he received a PhD in Tree Physiology in 1986. He also worked for 10 years in OSU's Forest Science Department, primarily on seedling production and quality assessment. His own research focuses on developing successful techniques for artificially regenerating native California oaks.



Elliot Menashe

Vegetation and Erosion: A Literature Survey.

Elliot Menashe has been a private, natural resource management consultant since 1989. He is the owner of Greenbelt Consulting on Whidbey Island. Menashe received a degree in Forest Management from University of California at Berkeley in 1975 and attended the School of Fisheries at University of Washington in 1986-7. He is the author of Vegetation Management: A Guide for Puget Sound Property Owners, published by the Washington Department of Ecology in 1993. His firm specializes in low-impact forest and riparian management, reducing adverse effects of rural development, and restoration of degraded sites.

Dale Nolte

Wildlife Considerations When Plannin Plant Projects

Dale Nolte is a wildlife ecologist with the USDA/APHIS/WS National Wildlife Research Center. He received his B.S. and M.S. degrees in range science from Kansas State University. He worked in Morocco to improve livestock production first with the Peace Corps and then as a Research Associate for Utah State University. Dale studied the ontogeny of foraging behavior while obtaining his Ph.D. from Utah State University, and conducted a post doctorate at the Monell Chemical Senses Center. At present, he is the leader of the NWRC Olympia Field Station. The directive of the field station is to develop non-lethal means to alleviate the negative impacts of foraging wildlife on forest resources.

Andrea Raven

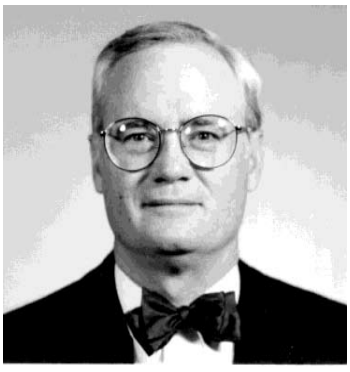
Seed Banking for the Future AND Seed Germination and Storability Studies of 69 Plant Taxa Native to the Willamette Valley Wet Prairie

Andrea Raven is a plant conservation biologist at The Berry Botanic Garden in Portland, Oregon. She received a B.A. degree in biology from St. Olaf College in 1983 and did graduate work in community ecology at Oregon State University. She has worked in a variety of tropical and temperate marine habitats, Midwestern tall grass prairie and forest communities and assorted Pacific Northwest ecosystems. Andrea currently focuses on rare plant research and seed banking at Berry.

Paul Risser (KEYNOTE)

Native Plants: What Have You Done for Us Lately?

Paul Risser became the 13th president of Oregon State University in January, 1996, after serving for three years as president of Miami University in Oxford, Ohio. Dr. Risser earned his B.S. degree in biology from Grinnell College (Iowa) and pursued graduate studies at the University of Wisconsin, earning a M.S. in botany and a PhD in botany and soils. He taught at the University of Oklahoma and became the chairman of the botany and microbiology department. In 1986, he was appointed vice president for research at the University of New Mexico where he later served as provost and vice president for academic affairs. Dr. Risser is an internationally recognized biologist, who brings to OSU a global perspective on natural resource management. He currently serves as Secretary General to the Paris-based Scientific Committee on Problems in the Environment (SCOPE) and on the National Academy of Science's Board of Environmental Studies and Toxicology (BEST). He has consulted or advised many prestigious organizations and agencies including the National Science Foundation, the National Academy of Sciences, the Environmental Protection Agency, the National Park Service, and the Department of Energy.



Robin Rose (Conference Coordinator)

Robin is the Director of the Nursery Technology Cooperative at Oregon State University. He received his MS in forestry from the University of Vermont where he studied yellow birch fertilization. After Vermont he moved on to North Carolina State University where he took on the subjects of starch and mycorrhizae in eucalyptus seedlings. After graduation he went to work for Westvaco Corporation in Summerville, South Carolina where he served for almost seven years as their forest regeneration scientist. There, he perfected his techniques aimed at understanding nutrient shifts in loblolly pine and sweetgum. In 1986 he became the Director of the NTC where he has

done research on innumerable aspects of seedling quality and reforesation including the role of nutrients in increasing growth. In 1993 he also became Director of the Vegetation Management Research Cooperative, which is very much focused on the interrelationships of fertilization, seedling nutrition, and vegetation management. He also travels as much as he can throughout the world "preaching the gospel of the Target Seedling Concept" and the need to make better use of modern seedling technology to solve international reforestation problems.

Roger Rosentreter

Restoration of community Structure and Composition in Cheatgrass Dominated Rangelands

Roger is the State Office Botanist for the Bureau of Land Management and adjunct faculty at Boise State University. He is interested in plant ecology and has worked on the rare plants of Idaho for 20 years. He is interested the taxonomy and ecology of sagebrush and the small microbiotic crusts in the steppe communities. He has a Ph.D. in Botany from the University of Montana.

Joe Scianna

Asexual Plant Propagation: Increasing Your Odds of Success

Joe is a Research Horticulturist at the USDA Natural Resources Conservation Service Plant Materials Center at Bridger, Montana. He attended the University of Montana receiving a B.S. in Forest Science and completed an M.S. in Horticulture at the University of Connecticut. He worked at UCONN Horticulture Research until 1991 when he accepted his current position. Joe is responsible for the woody plant program at Bridger and works primarily on woody plant propagation and tree selection projects.

Ted St. John

Use of Mycorrhizae for Native Plant Production

Ted St. John is a consultant, teacher, and writer on the subject of habitat restoration. His work has brought about several important changes in the southern California restoration industry, including the widespread use of mycorrhizal fungi and the land imprinter in coastal sage scrub restoration. He coordinates the mycorrhizal plant and inoculum programs at Tree of Life Nursery, which supplies essentially all of the mycorrhizal inoculum for habitat restoration in southern California. The inoculum has also been used in New Mexico, Oregon, Arizona, and other states. This is apparently the only commercially-produced inoculum inexpensive enough to use directly

in the ground under seed. Dr. St. John has taught restoration courses for University of California Extension at Riverside and Santa Barbara. He was an internationally known researcher on mycorrhizae and plant ecology before becoming a habitat restoration consultant and has authored numerous publications on mycorrhiza and restoration in addition to a series of booklets for Tree of Life Nursery, the "Restoration Action Guides," which are widely used as reference materials by consultants.

David Steinfeld

Propagating Native Grass Seed and Seedlings

David received a soil science degree from Oregon State University and pursued post graduate work in geology. In the early part of his career worked for the Forest Service in Utah, northwestern and southwestern Oregon as a field soil scientist. For the past 15 years he has worked at J. Herbert Stone Nursery as culturist and assistant nursery manager.

Rick Storre

Wetland Restoration of the Yolo Bypass Wildlife Area: Success and Failures

Rick Storre was born and raised in Eureka, California, receiving a B.S. in Business Administration from Humboldt State University in 1986. Rick is from a timber family and has seen first hand in his 45 years one complete rotational timber harvest. Since 1988 Rick's goal has been to prove (by example) that there is as much value in an acre of understory flora - over time - as in the trees standing on it. Currently he is President of Freshwater Nursery Inc. which includes Freshwater Farms and the North Coast Seed Bank. Their mission is to collect, process, store and propagate seeds of wetland and riparian wild native plants, for use in Government or private watershed revegetation projects.

Trent Stumph

Restoring Idaho's Henry's Fork: A Case Study

Trent has a B.S. degree in Natural Resource Management from Michigan State University. He has over ten years of experience in the intermountain west working in the areas of environmental conservation, riparian restoration, erosion control and habitat improvement projects. Working for and cooperatively with environmental organizations, government agencies and private consultants, Trent has gained valuable field experience that brings innovation to demanding resource management projects. For the past four years, he was the Land Steward/Restoration Coordinator for The

Nature Conservancy's Flat Ranch in eastern Idaho. This past winter, he and a business partner started their own business, Alpine Aquatics, Inc. The company is a full service aquatic resource management and restoration company that incorporates a natural systems approach that enhances and maintains the health of aquatic systems.

Nellie Sugii

Micropropagation: An Important Tool in the Conservation of Endangered Hawaiian Plants

Nellie Sugii is a Junior Researcher and Curator of Hawaiian Plants at the Harold L. Lyon Arboretum. She received he B.S. and M.S. degrees in Horticulture from the University of Hawai'i. For ten years she was involved with their breeding and genetic engineering program for anthurium and dendrobium cultivar development. Her recent work has been with the micropropagation and conservation of native Hawaiian plants.

Trevor Taylor

Vegetation responses of Willamette Valley wetland prairie habitat to fire

Trevor is currently finishing his graduate work at the University of Oregon where he is working on dual masters degrees in Ecology & Evolution, and Environmental Studies. He received a B.S. in Conservation of Resource Studies from the University of California at Berkeley in 1990. Trevor began working as a restoration ecologist in California and has worked on ecosystem rehabilitation projects in oak savannas, oak woodlands, coastal prairies, wetland prairies, as well as riparian ecosystems. Recent work has involved the use of fire as a tool of restoration of prairie habitats.

Nan Vance

Comparing Biomass and Taxane Concentrations to Maximize Yield in Rooted Cuttings of Pacific Yew (Taxus Brevifolia Nutt)

Nan Vance is a Forest Service research scientist and leader of the Biology and Culture of Forest Plants Team at the Forestry Sciences Laboratory in Corvallis, Oregon. She received an M.S. degree in forestry at the University of Montana in 1983, and a Ph.D. degree in the Department of Forest Science at Oregon State University in 1988 with a specialization in plant physiology. She also received postdoctoral education in plant molecular and developmental biology of plants at Cold Spring Harbor Laboratory, N.Y. She has served on the graduate faculty in the Department of Forest Science, Department of Botany and Plant Pathology, and in the Plant Physiology Program at Oregon State University. She has had twenty years of experience in plant biology research including stress physiology, environmental biochemistry, and

phytoremediation and restoration. She has had eight years of research experience in medicinal plants including Pacific yew.

Nancy Vivrette

Techniques to Determine Total Viability in Native Seed

Nancy Vivrette received her B.A. degree in Physiology in 1967 from the University of California, Berkeley. She worked with the School of Public Health in the western Pacific, then completed her Ph.D in Plant Ecology in 1973 from the University of California, Santa Barbara. She taught Plant Ecology in the Botany Department at the University of California, Berkeley for 5 years. She is a Research Associate at the Santa Barbara Botanic Garden where she has ongoing research on changing vegetation patterns on Santa Cruz Island. She is a Registered Seed Technologist (1985) and Research Member (1996) of the Society of Commercial Seed Technologists, and has been employed at the Ransom Seed Laboratory in Carpinteria, California since 1979. Her primary work has been in germination, dormancy, and viability of native species.

Christine Walters

Storage of Rare and Endangered Plants in Ex situ Germplasm Banks

Christina Walters received her B.S. and Ph.D. degrees from Cornell University. Her Ph.D. degree was received in 1986 from the Botany Department with minors in Biochemistry and Agricultural Engineering (computer science). She has been with the National Seed Storage Laboratory for 12 years and was recently appointed Acting Research Leader. Her research focuses on life in extremely dry or cold systems where she is investigating links between the physical behavior of water on macromolecular surfaces and the ability of organisms, particularly seeds, to survive drying and exposure to liquid nitrogen. Dr. Walters is working to develop protocols that predict and improve the longevity of seeds placed in conventional and liquid nitrogen storage. Her long-term research goal is to identify the genetic and environmental factors that contribute to desiccation tolerance and longevity in seeds.

Dave Wenny

Comparing Micropropagation Protocols for a Herbaceous Perennial, a Woody Shrub, and a Conifer AND Restoring Idaho's Henry's Fork: A Case Study

Dave Wenny is Professor of Silviculture in the Department of Forest Resources at the University of Idaho. His first career was aeronautical engineer with Rockwell International working on various projects, including the Apollo missions. Tiring of southern California, Dave received his Bachelor and Master of Science degrees in forestry from Humboldt State University, and his Ph.D. in forest resources from the University of Idaho. He became Director of the Forest Research Nursery in 1979. Besides managing nursery production of 650,000 seedlings and numerous research projects, Dave teaches silviculture, forest nursery management, and forest regeneration.

D'Lynn M. Williams

Rooting Ability of Fifteen Native Shrubs Using Hardwood Cuttings in the Field and Greenhouse

D'Lynn is a Biological Technician with the USDA Forest Service, Willamette N.F., Middle Fork Ranger District, in Oakridge, Oregon. She has been using native and non-native species for erosion control and forage enhancements projects on National Forest lands since 1988. These projects include landslides, stream/riverbanks, and fire recovery areas.