CURRICULUM VITAE (CONCISE VERSION)
RECENT SCHOLARSHIP, TEACHING AND SERVICE

University of Idaho
Moscow, Idaho 83844-1133

NAME: Fins, Lauren **DATE: July 30, 2008**
TITLE: Professor of Forest Genetics
DEPARTMENT: Department of Forest Resources
DATE OF FIRST EMPLOYMENT AT UI: May 1979
DATE OF TENURE: April 1985
DATE OF PRESENT RANK OR TITLE: July 1991
HIGHEST DEGREE: Ph.D., Genetics, 1979, University of California (Berkeley)

Courses Taught at the University of Idaho

"The Natural and Cultural History of Chocolate"
"Forest Genetics and Tree Improvement"
"Society and Natural Resources"
"Interdisciplinary Natural Resources Planning"
"Fire, Myth and Mankind – Coming to Terms with Nature"
"Connected Learning"
"Principles of Forest Ecosystem Management"
"Exploring Natural Resources"
Graduate Seminar
Guest lectures in "Forest Dynamics and Management" - "Silviculture and the Gene Pool"

Recent University Service

University Committee on General Education
Provost Search Committee
CNR Tenure and Promotions (Chair)
Forest Resources Tenure and Promotions (Chair)
CNR Awards Committee (Chair)
CNR Petitions Committee
CNR Masters of Natural Resources Advisory Committee
CNR Outreach Strategic Planning Committee

Selected Grants and Contracts Funded

"Enhancing Teaching and Learning in Large-Enrollment Classes with Student Response Systems." SBOE Grant with Diane Armpriest, Gustavo Davico, Kathe Gabel, Edwin Krumpe, John Marshall, Ronald Robberecht, David Schlater. - $141,000 (2006-08).

"Evaluation and Monitoring of Whitebark Pine Regeneration After Fire in the Frank Church River of No Return Wilderness Area" USFS. $185,000 (2005-2010)

"Molecular Investigation of morphologically variant forms of Sitka spruce – Contract with Afognak Forest Industries, Kodiak, Alaska – $4,300 to date (2005-2006)

Teaching/Learning grant for teaching team course on fire using theatrical elements and writing to enhance learning experiences - funded (~$1,500) 2002

"Effects of fire on fine roots of ponderosa pine and Douglas-fir stands in southern Idaho" ($11,353) USFS September 2001 - September 2003

"Developing a tool for predicting field performance of blister rust resistant western white pine planting stock". USFS competitive grant with Jim Byler and John Schwandt (USFS). $52,000 (2000-2002)

The Inland Empire Tree Improvement Cooperative. Contract between the IETIC and the University of Idaho. Contracts developed while Dr. Fins was director and later serving as project scientist - from 1979 to 2003, total $2,810,427.

RECENT PUBLICATIONS

Refereed

Dumm, G., Fins, L. and Graham, R. T. (2008) "Fire Effects on Fine Roots of Ponderosa Pine and Douglas-fir in a Southern Idaho Forest." Western J.Applied For. (to be published in the October 2008 issue)

Woo, K-S., Fins, L., and McDonald, G.I. 2004. "Genetic and Environmentally Related Variation in Needle Morphology of Blister Rust Resistant and Nonresistant *Pinus monticola*." Pp. 148-153 in "Breeding and Genetic Resources Resources of Five-Needle Pines: Growth, Adaptability, and Pest Resistance." Proceedings of the IUFRO Working Party 2.02.15 International Conference, Medford, Oregon, July 23-27, 2001. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-32. May 2004.

Woo, K-S., McDonald, G.I., and Fins, L. 2004. "Influence of Seedling Physiology on Expression of Blister Rust Resistance in Needles of Western White Pine." Pp. 250-254 in "Breeding and Genetic Resources of Five-Needle Pines: Growth, Adaptability, and Pest Resistance." Proceedings of the IUFRO Working Party 2.02.15 International Conference, Medford, Oregon, July 23-27, 2001. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-32. May 2004.

Woo, K-S., Fins, L, and Kim Y-J. 2004. "Germination of *Cronartium ribicola* Basidiospores and Epicuticular Wax Structures on the Needles of *Pinus monticola*. J. Korean For. Soc. 93(2): 144-152.

Bassman, J.H., J.D. Johnson, L. Fins, J.P. Dobrolowolski. 2003. "Rocky Mountain Ecosystems: Diversity, Complexity and Interactions". Tree Physiology 23(16):1081-1089.

Fins, L., J. Byler, D. Ferguson, A. Harvey, M.F. Mahalovich, G. McDonald, D. Miller, J. Schwandt, A. Zack. 2002. "Return of the Giants – Restoring Western White Pine to the Inland Northwest". J. For. 100(4):20-26.

Myszewski, J.H., L. Fins, J.A. Moore, M. Rust, P.G. Mika. 2002. "Variation in the Root Bark Phenolics/Sugar Ratio of Douglas-fir Grown in Two Plantations in Northern Idaho". Can. J. For. Res. 32:556-560.

Woo, K-S., L. Fins, G.I. McDonald, D.L. Wenny, A. Eramian. 2002. "Effects of Nursery Environment on Needle Morphology of *Pinus monticola* Dougl. and Implications for Tree Improvement Programs". New Forests 24:113-129.

Non-refereed and reports

Fins, L. et al. 2007. Summary Report by Conference Panel of IUFRO Division 2 Conference on Low Input Breeding and Conservation of Forest Trees, October 9-13, 2006, Antalya, Turkey. (http://www.akdeniz.edu.tr/english/iufro/IUFRO-Antalya-Summary-Report.pdf)

Fins, L. et al. 2007. Background and Recommendations Report by Conference Panel of IUFRO Division 2 Conference on Low Input Breeding and Conservation of Forest Trees, October 9-13, 2006, Antalya, Turkey. (http://www.akdeniz.edu.tr/english/iufro/IUFRO-Antalya-Recommendations.pdf)

Fins, L. 2006. Return of the Giants – Lessons Learned from a High Input Tree Improvement Program. In Proceedings of the IUFRO Division 2 Conference on Low Input Breeding and Conservation of Forest Trees. October 9-13, 2006, Antalya, Turkey.

Fins, L. 2005, 2006, 2007. Progress report to USFS on "Evaluation and Monitoring of Whitebark Pine Populations in the Frank Church Wilderness Area.

Callahan, P. and L. Fins 2004, 2005. Progress report to IETIC on the effect of topping on insect populations on western white and ponderosa pine.

Fins, L. 2004. Final report to IETIC from IETIC Project Scientist.

Fins, L., J. Byler, D. Ferguson, A. Harvey, M.F. Mahalovich, G. McDonald, D. Miller, J. Schwandt, and A. Zack. 2001. Return of the Giants - Restoring White Pine Ecosystems by Breeding and Aggressive Planting of Blister Rust-Resistant White Pines. Idaho Forest, Wildlife and Range Experiment Station, Moscow, Idaho. Station Bulletin 72. 20 p. (3 additional printings over last 7 years – still being requested)

Book

Fins, L., S.T. Friedman, and J.V. Brotschol. 1992. Handbook of Quantitative Forest Genetics. Kluwer Academic Publishers. Dordrecht, The Netherlands. 403 p.

PRESENTATIONS AT SCHOLARLY AND PROFESSIONAL MEETINGS

2008

"The Natural History and Culture of Chocolate" to be presented at the Interdisciplinary Colloquium at the University of Idaho in October 2008 (Invited)

"Planted Forests and Sustainable Forestry" presented at the Inland Empire Reforestation Council Meeting, Coeur d'Alene, Idaho. February 2008 (Invited)

2007

"Blister rust resistance in western white pine – genetics, breeding and management" Presented at the Korea Forest Research Institute, Suwon, Korea. August 2007 (Invited)

"White pine and blister rust – the surge and the scourge" presented at the Forest Engineers Conference, Moscow, ID. March 2007 (Invited)

"Stability of Rust Resistance in Western White Pine in the Inland Northwest" presented at the Rustbusters meeting, Moscow, Idaho. Presented with Marc Rust. July 2007 (Invited)

2006
"Idaho Women and the Land" presented at the Retired Federal Employees Association, Boise, ID. (Invited)

"Fire and Myth" presented at Dworshak State Park, Orofino, ID. (Invited)

"Fire and Myth" presented to Idaho County Historical Society, Grangeville, ID (Invited)

"Return of the Giants – Lessons Learned from a High Input Tree Improvement Program" presented at the IUFRO Division 2 Conference on Low Input Breeding and Conservation of Forest Trees. Antalya, Turkey, October 2006 (Invited)

Summary report and recommendations by final panel. IUFRO Division 2 Conference on Low Input Breeding and Conservation of Forest Trees. Antalya, Turkey, October 2006 (Invited)

2005
"Time Is on Our Side" presented at the IETIC Annual Meeting in Couer d'Alene, ID. (Invited)

"Fire and Myth" presented at the University of Idaho Interdisciplinary Colloquium, Moscow, ID. (Invited)

Pruning Efficacy and Hazard Rating - Improving Blister Rust Resistance in Western White Pine, USFS Training Session, Coeur d'Alene, ID. (Invited)

"Blister Rust Resistance: Holding Up After 30+ Years" presented to the Palouse Chapter of the Society of American Foresters, Moscow, ID. (Invited)

"Time Is on Our Side" presented at Western Forest Genetics Association Annual Meeting, Corvallis, OR.
"Time Is on Our Side" presented at the Rustbusters meeting in Yreka, CA.

Blister Rust in Whitebark Pine in the Frank Church River of No Return Wilderness Area presented at the Rustbusters meeting in Yreka, CA.

2004
"The White Pine Story." Presented at the IESAF Society Meeting. Co-Author Paul Zambino. Invited. Coeur d'Alene, Idaho.

"Fire, Myth and Mankind – An Experiment in Education." Presented at Conference on University Education in Natural Resources, Flagstaff, Arizona

"Integrated Planning in Natural Resources." Presented at Conference on University Education in Natural Resources, Flagstaff, Arizona.

"Idaho Women and the Land" presented at the Idaho Conservation League Boise, Idaho. (Invited). Was told it was the best attended presentation in the series

"Idaho Women and the Land" presented for Summer Series at Silver Mountain, Kellogg, Idaho. (Invited)

"Fire and Myth" presented for the Summer Series at Silver Mountain, Kellogg, ID, Invited.

2003
Nitz, M. L. Fins, W. Loftus and R. Caisley. The Use of Fire as a Symbol in a Freshman Core Discovery Class ("Fire, Myth and Mankind - Coming to Terms with Nature"). Presented by Nitz to the Environmental Commun. Commiss. of the Nat'l Commun. Assoc. Annual Conference. Miami, FL.

"Fire, Myth and Mankind - Coming to Terms with Nature. Presentation at Taylor Ranch. August
"Future of Forestry Research in the Inland Empire." Presentation at Society of American Foresters National Convention, Buffalo, NY. Invited.

2002
"Predicting field performance of F_2 improved (blister rust resistant) western white pine on different types of sites in northern Idaho". Workshop: "Current Topics in Forest Health", sponsored by University of Idaho, Coop. Ext., Coeur d'Alene, Idaho. (Invited)

Three Invited presentations at workshop on "Blister Rust Resistant Western White Pine in the Inland Empire: Expectations and Reality." Sponsored by the Idaho Panhandle National Forest Supervisor's Office

1) "Field Performance of F_2 Western White Pine in Northern Idaho and Comparisons of F_2 to Unimproved Stock"
2) "Site Characteristics Affecting Field Performance of F_2 Western White Pine in Northern Idaho".
3) "Indications of Wave Years for Blister Rust on F_2 Western White Pine in Northern Idaho"

"Environmental Factors Associated with Variation in Blister Rust Infection Levels in Rust Resistant Western White Pine in the Inland Northwest". North American Forest Biology Workshop on "Northern Rocky Mountain Ecosystems: Diversity, Complexity, Interactions", Pullman, Washington.

POSTERS PRESENTED AT SCHOLARLY AND PROFESSIONAL MEETINGS
Monitoring Whitebark Pine, Blister Rust and Fuels in the Frank Church – River of No Return Wilderness Area – Year 3 (with Ben Hoppus). USFS Forest Health Monitoring Conference, San Antonio, TX

Monitoring Whitebark Pine, Blister Rust and Fuels in the Frank Church – River of No Return Wilderness Area – Year 2 (with Karen Neorr). USFS Forest Health Monitoring Conference, San Diego, CA.; also presented at Rustbusters in Moscow, ID 2007, and the Whitebark Pine Ecosystem Foundation Annual Meeting, Lincoln, MT 2007

Molecular investigation of morphologically variant forms of Sitka spruce. Western Forest Genetics Association, 2006, Anchorage Alaska. With C.L. Anderson, J. Alden, W. Haag.

Monitoring Whitebark Pine, Blister Rust and Fuels in the Frank Church – River of No Return Wilderness Area – USFS Forest Health Monitoring Conference, Charleston, SC. 2006 (with Jodie Krakowski)

PROFESSIONAL SERVICE

Society of American Foresters (SAF): member since 1979. Served on the National Science and Education Board; Chair of the Genetics and Tree Improvement Working Group; editor of Genetics and Tree Improvement Working Group Newsletter; organized technical and plenary sessions for National SAF Conventions; Chair of the Inland Empire SAF; counselor on the Executive Committee of the Inland Empire SAF; member of organizing committee for joint regional meetings; organizer and presenter at regional leadership retreats; many presentations at local chapter and regional meetings; invited speaker at SAF National Convention in Buffalo, NY.

Western Forest Genetics Association (WFGA): member since about 1975. Served as Chair, Vice Chair and Secretary; organized training session on Quantitative Forest Genetics; served as chair of the graduate student presentation evaluation committee for many years; member of organizing committee for joint meeting with North American Forest Biology Workshop.

AWARDS AND HONORS

Outstanding Teacher Award - University of Idaho Student Disability Services Program 2008
Elected Fellow of the Society of American Foresters 2005
Inland Empire Society of American Foresters' Communicator of the Year 1999
University of Idaho College of Forestry, Wildlife and Range Sciences Outstanding Continuing Education and Service Award 1996