

Graduation Celebration

2005-2006

**COLLEGE OF FOREST RESOURCES
UNIVERSITY OF WASHINGTON**

**JUNE 9, 2006
KANE HALL, ROOM 120
2:00 PM**

WELCOME

Bruce Bare, Dean and Moderator

COLLEGE OF FOREST RESOURCES ALUMNI ASSOCIATION

Alumna Ann Forest Burns

KEYNOTE ADDRESS

Curt Smitch, Thompson Smitch Consulting Group

GRADUATE STUDENT REPRESENTATIVE

Philip Higuera

PRESENTATION OF GRADUATE STUDENTS BY FACULTY

UNDERGRADUATE STUDENT REPRESENTATIVE

Jessica Larson

PRESENTATION OF UNDERGRADUATE STUDENTS BY FACULTY

CLOSING COMMENTS

**A RECEPTION WILL BE HELD IN THE ANDERSON 207 LOCKWOOD FOREST CLUB ROOM
AND ANDERSON 22 IMMEDIATELY FOLLOWING THE PROGRAM.**

COVER ILLUSTRATION OF ANDERSON HALL BY:
PROFESSOR GORDON BRADLEY, COLLEGE OF FOREST RESOURCES

THANKS TO THE ALUMNI ASSOCIATION FOR THE RECEPTION REFRESHMENTS AND GRADUATION GIFTS
LESLIE GERMAN, 2003 ALUMNA, FOR THE BEAUTIFUL FLOWER ARRANGEMENTS

2005-2006 GRADUATES

Doctor of Philosophy

Marianne Elliott

A Canker Disease of Pacific Madrone (*Arbutus Menziesii*) Caused by the Fungal Pathogen *Fusicoccum Arbuti* (*Botryosphaeriaceae*)

Robert A. Gitzen

Responses of Small Mammals to Green-Tree Retention Harvests in Forests of Western Oregon and Washington

Philip E. Higuera

Late Glacial and Holocene Fire History in the South-central Brooks Range, Alaska: Direct and Indirect Impacts of Climatic Change on Fire Regimes

Jeremy S. Littell

Climate Impacts to Forest Ecosystem Processes in the Western United States: Fire Area Burned and Douglas-fir Growth

Jingliang Mao

Developing a Continuous Bisulfite Postsulfonation Process for the Black Liquor from Soda Pulping of Wheat Straw

Lauren A. Mollot

The Use of Remote Sensing, GIS, and Multivariate Vegetation Analysis to Explain the Distribution of Riparian Plant Communities at Multiple Spatial Scales

David Peter

The Effect of Underburning of Oregon White Oak on Flowering and Acorn Production

Hakjun Rhee

Inferring Traffic Induced Sediment Production Processes from Forest Road Particle Size Distributions

Daniela J. Shebitz

The Historic Role and Current Restoration Applications of Fire in Maintaining Beargrass (*Xerophyllum tenax*) on the Olympic Peninsula, Washington State

Deborah A. Smith

Improving Methodologies Used for Carnivore Conservation and Management: Collection and Fecal DNA Samples from Endangered San Joaquin Kit Fox Populations in California

John C. Withey

Interactions of Crows, Songbirds, and People Across a Gradient of Urbanization

Master of Science

James K. Barr

An Analysis of the Affects of Sale Characteristics on the Timber Sale Value of Washington Department of Natural Resource Timber Sales Located in Western Washington, 1989-2005

Nicholas J. Brazee

The Role of *Armillaria sinapina* in Canopy Gap Formation within an Old-Growth Temperate Rain Forest, Olympic National Park, Washington

Ingrid D. Clausen

The Use of Amendments to Reduce Bioavailability of Lead and Arsenic in Vitro

Julie K. Combs

Astragalus sinuatus Piper, a Washington State Endangered Plant Species: Pre-dispersal Seed Predation, Seedling Recruitment and Interactions with *Bromus tectorum* L.

Craig N. Cootsona

Identification and Distribution of *Neonectria* sp. Causing Cankers on Red Alder (*Alnus rubra*)

Angela J. Costanzo

A Quantitative Survey of Riparian Vegetation Along the Quebrada Grande in La Cangreja National Park, Costa Rica

Kristine D. Cramer

Conceptualizations of Forestland Stewardship among Family Forest Landowners in Snohomish County, Washington

Pilar M. Delmolino

Demography, Disease, Body Condition, and Genetics in a Rocky Mountain Bighorn Sheep Herd

Lucy C. K. Edmonds

How do Leaders of Western Land Trusts Perceive Their Relationship to the Environment?

Melissa K. Frysztacki

An Exploratory Study of How Science, People, and Policy Interact and Work Together for Successful Chinook Salmon Recovery in the Lake Washington Watershed

Wendy J. Gobble

The Importance of Growth Plasticity and Fluctuating Resource Availability in Facilitating Plant Invasions

Sara C. Gregory

Seasonal Movements and Nest Site Selection of the Western Gray Squirrel (*Sciurus griseus*) in the Methow River Watershed

Erin N. Hagen
Conservation of the Juan Fernandez
Firecrown: Characterization of
Nesting Habitat

Ryan D. Haugo
Vegetation Responses to Conifer
Encroachment in a Dry Montane
Meadow, Western Cascade Range,
Oregon

Troy D. Heithecker
Variation in Microclimate Associated
with Dispersed-Retention Harvests in
Coniferous Forests of the Pacific
Northwest

Lesley M. Hoare
The Contribution of Low-Income
Workers to Forest Production
Management

Abigail K. Hook
The Recent History of Floodplain
Dynamics in the North Fork
Skykomish River, Washington

Mark C. Husbands
The 2004 Mount Rainier Climber
Study: Selecting Indicators of Climber
Experience Quality for the High Use
and Moderate Use Climbing Zones

Brian N. Kertson
Citizen Science and Wildlife
Management: Status, Potential, and an
Examination of the Quality of Data
Collected by K-12 Students on
Wildlife and their Habitats

Michael Kroeger
Identifying Western Washington
Peromyscus maniculatus and *P. keeni*
using Cytochrome-b Restriction
Fragment Length Polymorphism
(RFLP) and Improved Morphometric
Analysis

Amy M. Lambert
Prairie Restoration in American Camp,
San Juan Island National Historical
Park: Fire and Herbicide Effects on
Community Composition and Growth
and Survival of Planted Native Species

Nicole L. Lang
The Soil Seed Bank of an Oregon
Montane Meadow: Consequences of
Conifer Encroachment and
Implications for Restoration

Garrett C. Liles
Biogeochemistry of Managed Forest
Headwater Streams in Low Elevation
Western Washington

Kimberly M. Littke
Influence of Calcium on Douglas-fir
Growth and Stem-Form

Maria Mayrhofer
Spatial Point Processes and Brown
Creepers (*Certhia americana*):
Estimating Habitat Use of a
Silvicultural Experiment

Robert A. Montgomery
Modeling the Terrestrial Habitat Use
of Harbor Seals

Adam G. Mouton
Generating Stream Maps Using
LIDAR Derived Digital Elevation
Models and 10-m USGS DEM

Ellen K. Mussman
Stabilization of Reservoir Sediments
following Dam Removal on the Elwha
River

Pete Nelson
Organizations, Policy Problems, and
Decision-making: Exploring the Use of
Information by Forest Service
Recreation Managers

Amanda Ogden
Ponderosa Pine Productivity and
Growth Increment Responses to
Prescribed Burning in the Southern
Blue Mountains of Oregon

Suzanne N. Osborne
Influence of Catchment
Characteristics on Stream Nutrient
Transport and Hypoxic Conditions in
South Hood Canal, Washington

Erikka E. Pearson
Control of *Juncus effusus* and
Enhancement of *Carex*spp. in a
Wetland Mitigation Site

Kyle S. Petersen
The Effects of Vegetation Control on
the Early Growth of Douglas-fir at a
High Quality Site in Coastal
Washington

Amy C. Ramsey
Ecology of Fungal Endophytes in
Douglas-fir and Ponderosa Pine Roots
in Eastern Washington

Carson B. Sprenger
Fire History of a Douglas-fir—Oregon
White Oak Woodland, Waldron
Island Washington

Virginia C. Travers
A Spatial and Temporal Assessment of
Physical and Chemical Diurnal
Patterns Occurring in a Small Stream
During a Low Flow Period

Lauren S. Urgenson
The Ecological Consequences of
Japanese Knotweed Invasion into
Riparian Forests

Sanjeev Yadav
X-Ray Microtomography to Examine
the 3-D Structure of Wood

Master of Environmental Horticulture

Kay A. Caromile

Jean Gauthier

Master of Forest Resources

Maddi L. Schweitzer

Glen D. Yallup

2005-2006 UNDERGRADUATES
Bachelor of Science in Forest Resources

**CONSERVATION OF
WILDLAND
RESOURCES**

Sacha Johnson
Kathryn Shipe
Erin Whitesell

**ENVIRONMENTAL
HORTICULTURE AND
URBAN FORESTRY**

Lori Darrin
Jake Pool
Rizanino Reyes
Douglas Schmitt
Patrick Tanner
Walter S. Wilson

**ENVIRONMENTAL
SCIENCE AND RESOURCE
MANAGEMENT**

Dallas E. Anderson II
Nathaniel P. Barber
Brian Bragg
Ryan B. Brewer
Leon C. Burfiend
Victoria M. Chamberlain
Andrew J. Chapman
Jessica E.M. Coburn
Jesse C. Day
Jeremiah D. Gardner
Rishelle F. Gifford
John M. Heck
Hailey Anne E. Heinrich
Leslie R. Henry
Thane M. Hill
Jessica A. Larson

Amy M. Lilienthal
Malcolm Lybeck
Hunter J. McCallister
Amy L. Miller
Joshua C. Misenar
Joearl Murphy
Roger W. Nelson
Elisabeth A. Ord
Stephanie A. Peterson
Rachel M. Proctor
Brian L. Rasmussen *
Alea L. Reidinger
Mary R. Schomaker *
Ryan S. Shinkawa
Jacob L. Strunk
Alexandria D. Teague
Josephine L. West

**FOREST AND ECOLOGICAL
ENGINEERING**

Adam Baines
Frederick Beck

FOREST MANAGEMENT

Masako Hirata
Brendan Impson
Ryan Paulhamus
Daisuke Sakuma
Jesse C. Saunders
Annsylinn Schmidt
Adam Tomasch

**PAPER SCIENCE AND
ENGINEERING**

Aaron L. Halsted
Kevin J. Kent
Charlene M. Krum
Michelle M. Lauzon
Brooke J. Sande
Bryce R. Vandervert

**SUSTAINABLE RESOURCE
SCIENCES**

Linda Arnoldi
Windy Madden

WILDLIFE SCIENCE

Christopher Domschke
Meghan Horne-Brine
Jennifer Ikeda
Heidi Pecoraro *
Filip Tkaczyk
Carly Wilson

~ **BACCALAUREATE HONORS** ~
BASED ON WINTER 2006 GPA

* **CUM LAUDE**