

UNIVERSITY OF MINNESOTA

— *Twin Cities Campus*

Center for Continuing Education

College of Natural Resources

235 Skok Hall

2003 Upper Buford Circle

St. Paul, MN 55108-6146

“Educating Professionals for Tomorrow’s Resource Challenges”

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**3rd Annual
FOREST
and
WILDLIFE
RESEARCH
REVIEW**

January 15, 2004

BOHANNON HALL

University of Minnesota - Duluth

SPONSORS:

University of MN - College of Natural Resources

— Center for Continuing Education

— Sustainable Forests Education Cooperative

Minnesota Forest Resources Council

— Research Advisory Committee

WORKSHOP OBJECTIVES

The 3rd Annual Forest and Wildlife Research Review will follow a format similar to the one-day workshop held in January 2003. The workshop is designed for natural resource professionals that work in the forest management arena. Presenters will report on findings of research projects in the forested systems of the upper Great Lakes region. Research recently completed or currently in progress will be featured. Topics will range from forest wildlife, fisheries management, forest hydrology, silviculture, forest ecology, forest policy and human dimensions of forest management.

SPEAKERS

Keynote

Kurt Pregitzer, School of Forest Resources and Environmental Science, Michigan Technological University

Silviculture and Forest Ecology

John Almendinger, Division of Forestry, Resource Assessment, MN DNR

Brian Palik, USDA Forest Service, North Central Research Station - Grand Rapids

Terry F. Strong, USDA Forest Service, North Central Research Station – Rhinelander, WI

Economics

Mike Kilgore, Department of Forest Resources, College of Natural Resources, U of MN - St. Paul

Fire Ecology and Management

Dave Lytle, Northern Lakes States Silviculture, North Central Research Station, USDA Forest Service – Grand Rapids, MN

Ron Moen, Natural Resources Research Institute, U of MN - Duluth

Bruce Anderson, Superior National Forest, USDA Forest Service

Kristen Nelson, Dept. of Forest Resources and Dept. of Fisheries, Wildlife, & Conservation Biology, College of Natural Resources, U of MN - St. Paul

Fisheries and Forest Management

Carl Richards, MN Sea Grant Program, U of MN - Duluth

Ray Newman, Department of Fisheries, Wildlife, & Conservation Biology, College of Natural Resources, U of MN – St. Paul

Tracy Close, Division of Fisheries, MN DNR

Research Review: Forest and Wildlife January 15, 2004 - U of MN - Duluth REGISTRATION FORM

Name _____

Agency _____

Address _____

City/State/Zip Code _____

Telephone _____

Email _____

If you have any special needs, please let us know and we will try to accommodate them.

Registration Fees include class materials and refreshments.

_____ \$125

_____ \$ 55 (SFEC Member) *If you are not sure, please check with your employer about your membership status.*

Please make checks payable to: **UNIVERSITY OF MINNESOTA**
We cannot accept credit cards.

Please send registration form and remittance to:

CNR – Center for Continuing Education
ATTENTION: Julie A. Schneider
235 Skok Hall, University of Minnesota
2003 Upper Buford Circle
St. Paul, MN 55108-6112

This registration form and remittance are your workshop confirmation — please retain a copy for your records.

GENERAL WORKSHOP INFORMATION

REGISTRATION FEES include materials and refreshments. Lunch is on your own. We recommend the Kirby Cafe on campus in the Kirby Student Center. They have a salad bar, sandwich bar, a grill menu, dessert bar with ice cream, and beverage center.

Cost: \$125 - General
\$ 55 - Sustainable Forests Education Cooperative (SFEC) *members*.
Please check if you are not sure of your SFEC membership.

Registration Deadline: January 9, 2004

Cancellation Policy: Written cancellation must be received 10 days prior to the workshop for a registration fee refund.



Continuing Education Credits:

CFE credits for SAF: 6.0 CFE contact hours in Category 1.

WORKSHOP LOCATION: Room 90 - Bohannon Hall, U of MN - DULUTH

To get to the UMD Campus from I-35: Follow I-35 North to 21st Avenue East exit (Exit #258). Follow 21st Avenue East to Woodland Avenue (top of the hill). Turn right onto Woodland Avenue to St. Marie Street. Take a left on St. Marie Street to University Drive. Turn left onto University Drive to Parking Lots C or G.

To get to the UMD Campus from the Range Cities: Follow Highway 53 (Miller Trunk Highway) to Arrowhead Road (stop light just past Menards). Turn left onto Arrowhead Road to Carver Avenue (approximately 5.25 miles). Turn right at the stop sign on Carver Ave. to St. Marie Street. Turn right onto St. Marie Street to University Drive. Turn left onto University Drive to Parking Lots C or G.

To get to Bohannon Hall from the Parking Lots: From Parking Lot C follow the walkway into Ordean Court and enter at Tweed Museum by the Sir Duluth Statue and follow the signs to Bohannon Hall. From Parking Lot G, enter at Voss-Kovach Hall (VKH) and follow the signs to Bohannon Hall.

WEB SITES for Maps of the campus and the route through Duluth off of I-35

<http://www.d.umn.edu/sss/admissions/discover/visit.html>

http://www.d.umn.edu/maps/big_UMD_map.gif

<http://www.d.umn.edu/maps/buildings.html>

FOR MORE INFORMATION CONTACT:

Center for Continuing Education — College of Natural Resources

Julie A. Schneider -Voice: 612/624-1234; Fax: 612/624-8701

E-mail: schne076@umn.edu

Insects and Disease

Susan Burks, Division of Forestry, MN DNR

Mark White, Natural Resources Research Institute, U of MN - Duluth

Wildlife

Patrick Zollner, North Central Research Station, USDA Forest Service – Rhinelander, WI

L. David Mech, Biological Resources Division, Northern Prairie Wildlife Research Center, US Geological Survey

Michael E. Nelson, Biological Resources Division, Northern Prairie Wildlife Research Center, US Geological Survey

POSTER SESSIONS — *Partial List*

The Poster Session is still under development. This is a partial list of confirmed posters as we went to print. If you are interested in presenting a poster, please contact Barbara Coffin (bcoffin@umn.edu).

The Status of Oak Wilt and Oak Wilt Management in Minnesota Releaf Communities. Susan Burks

Comparing Understory Plant Communities after 40 Years of Management in Northern Hardwoods Ecosystems. Christel Kern, Brian J. Palik, and Terry F. Strong

UV-B Exposure to Wood Frogs in Minnesota Vernal Pools. Jennifer Milan Olker, Lucinda B. Johnson, Richard P. Axler, and Catherine M. Johnson

Balsam Bough Harvesters' Experiences and Resource Assessment in Northeast Minnesota. Kristen C. Nelson, David Wilsey, Jennifer Stucker, and Monica Missrie

Seasonal Differences in Field Metabolic Rates (FMR) and Activity Patterns for Free-Ranging Martens in Wisconsin. John Wright, Patrick Zollner, Jonathon Gibleert, and Stephen Mech.

Changes in Disturbance Frequency, Age, and Patch Structure from Pre-Euro-American to Settlement to Present in the Mixed Forest Province of Minnesota. Mark A. White and George E. Host

Preliminary Results of Canada Lynx Movement Study, Superior National Forest, MN. Chris Burdett, Ron Moen, L. David Mech, and Gerald Niemi

Changes in Minnesota's Forest Spatial Patterns from the 1930's to the Present: An Analysis of Historic and Recent Air Photos. George E. Host and Mark A. White

AGENDA

- 7:45 AM **REGISTRATION**
- 8:20 **WELCOME**
v Jim Gooder, Assistant Director of Research, North Central
Research Station, USDA Forest Service
- 8:30 **KEYNOTE SPEAKER**
Great Lakes Forests of the Future: The View from the Ground Up
v Kurt Pregitzer

SILVICULTURE AND FOREST ECOLOGY

- 9:15 *Vegetation of the Laurentian Mixed-Forest Province:
Data Collection, Analysis, Field Guide, and Application*
v John Almendinger, et al.
- 9:35 *Why Red Pine Forests Do Not Have to be Even-Aged Plantations*
v Brian Palik
- 9:55 *Lessons Learned about Managing Northern Hardwoods:
75 Years of Research*
v Terry Strong

ECONOMICS

- 10:15 *How Loggers Develop Stumpage Bids:
The Cost of Implementing Forest Management Guidelines*
v Mike Kilgore and Charlie Blinn

POSTER SESSION — BREAK

FIRE ECOLOGY AND MANAGEMENT

- 11:05 *The Effects of Timber Harvesting, Prescribed Burning, and Natural
Disturbances on Fuel Loading and Fire Risk in a Mixed-Ownership
Landscape*
v Dave Lytle
- 11:25 *Predicting Fuel Loading and Fire Probability with Gap Models:
An Example from Isle Royale*
v Ron Moen and Rolf Peterson
- 11:45 *Prescribed Burning in the BWCA:
An Example of Monitoring in the Superior National Forest*
v Bruce Anderson

AGENDA

- 12:05 *Living with Fire:
A Comparison of Homeowners Assessment of Defensible Space,
Landscape Values and Fuel Treatment in Minnesota and Florida*
v Kristen Nelson, Martha C. Monroe, Jayne Fingerman Johnson,
and Alison Bowers

12:30 - 1:30 LUNCH — On Your Own — *We suggest the Kirby Cafe in the Kirby
Student Center*

FISHERIES AND FOREST MANAGEMENT POLICY

- 1:30 *Relationship of Forest Management Practices to Riparian Function,
Structure and Aquatic Ecosystem Health: A GIS Perspective*
v Carl Richards, et al.
- 1:50 *Effects of Riparian Forest Harvest BMPs on Instream Fish
Communities and Habitat*
v Ray Newman, Nat Hemstad, and Eric Merten
- 2:10 *The MFRC Timber Harvest/Forest Management Guidelines:
A View from the Fish's Perspective*
v Tracy Close

POSTER SESSION – BREAK

INSECTS AND DISEASE

- 3:00 *Status of Gypsy Moth and Implication for Minnesota:
Assessment of the Risk of Tree Mortality Following Defoliation*
v Susan Burks
- 3:20 *Effects of Temperature and Trap Density on Gypsy Moth Recapture
Rates and Flight Patterns in Northeastern Minnesota*
v Mark White and George E. Host

WILDLIFE

- 3:40 *Investigating Factors Limiting Dispersal Success by Pine Marten
(Martes americana) in Wisconsin*
v Patrick Zollner, et al.
- 4:00 *A Summary of Wolf-Deer Studies in the Central Superior National
Forest*
v L. David Mech and Michael E. Nelson

4:30 **ADJOURN**

