



# FRONTIERS IN FORESTRY AND FOREST SCIENCE

*New Horizons of Challenge and Opportunity*

April 22-23, 2010

Doubletree Hotel, Missoula, Montana



**The Next Frontier.** Virtually every aspect of the Montana forest landscape and economy is experiencing rapid change, with a turbulent present and an unclear future. Innovations in forestry and discoveries in forest science are being made that will change the way forests are understood and managed. Now more than ever, foresters and resource managers need to be adaptable and equipped with an understanding of the extent and importance of these changes in order to prepare for their professional futures.

## Conference Highlights Include

- Presentations on cutting-edge science, technology, and management frameworks
- Special Screening of award-winning documentary film, *The World of K.D. Swan: Early 20<sup>th</sup> Century Photographer and Conservationist*, with filmmaker Marcia Hogan
- Special Presentation on the journeys of early explorer David Thompson by Jack Nisbet, historian and author of *Sources of the River* and *The Mapmaker's Eye*
- Poster Session, Regional Vendors, Silent Auction, UM Forestry Alumni Breakfast
- Optional University of Montana Campus Walking Tour

## Diverse Speaker Panels

- Evolution of Silviculture
- Strategic Forest Fire & Fuels Management
- New Models of Collaborative Planning & Stewardship
- Biofuel-Based Energy – Opportunities & Realities
- Critical Issues in Forest Ecology
- From the Top: Assessing the Present and Near-Future for Forestry Professionals

## Paired Events

American Tree Farm Certification Inspector Training (April 21)

Forestry Day at Fort Missoula (April 24)





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### - CONFERENCE SPEAKERS -

#### EVOLUTION OF SILVICULTURE

**Russell Graham**, Research Forester, USDA Forest Service Rocky Mountain Research Station, ID

**Jim Guldin**, Research Ecologist, USDA Forest Service Southern Research Station, AK

**Klaus Puettmann**, Edmund Hayes Professor in Silviculture Alternatives, Oregon State University

#### STRESSED OUT – CRITICAL ISSUES IN FOREST ECOLOGY

**Diana Six**, Professor Integrated Forest Entomology and Pathology, University of Montana

**Anna Sala**, Professor of Plant Physiological Ecology, University of Montana

**Solomon Dobrowski**, Associate Professor of Forest Landscape Ecology, University of Montana

#### MANAGING FOREST ECOSYSTEMS

**Andrew Larson**, Assistant Professor of Forest Ecology, University of Montana

**Cara Nelson**, Assistant Professor of Restoration Ecology, University of Montana

**Sharon Hood**, Ecologist, USDA Forest Service Missoula Fire Sciences Laboratory, MT

#### COLLABORATIVE PLANNING & STEWARDSHIP

**Scott Brennan**, Northern Rockies Forest Program Director, The Wilderness Society, MT

**Gary Burnett**, Executive Director, Blackfoot Challenge, MT

**Robyn King**, Executive Director, Yaak Valley Forest Council, MT

#### BIOFUELS & ENERGY

**Nate Anderson**, Post-Doctoral Researcher, University of Montana

**Mark Coleman**, Associate Professor of Forest Resources, University of Idaho

#### FIRE BEHAVIOR & MANAGEMENT

**Russ Parsons**, Research Ecologist, USDA Forest Service Missoula Fire Sciences Laboratory, MT

**Carl Seielstad**, Research Assistant Professor, National Center for Landscape Fire Analysis, MT

**Tyron Venn**, Assistant Professor Natural Resource Economics, University of Montana

#### HISTORY & CULTURE

**Marcia Hogan**, Documentary Filmmaker, Missoula, MT

**Jack Nisbet**, Pacific Northwest Author and Historian, Spokane, WA

#### POLICY & PROFESSION

**Bob Harrington**, State Forester, Montana Department of Natural Resources & Conservation

**TBA**, USDA Forest Service Region 1

**TBA**, SAF National Office



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### THURSDAY APRIL 22

- 6:30-8:30 Registration
-  EVOLUTION OF SILVICULTURE  
8:30-9:15 **KEYNOTE PRESENTATION – Klaus Puettmann**  
Edmund Hayes Professor in Silviculture Alternatives, Oregon State University
- 9:15-9:45 **Jim Guldin**  
Research Ecologist, US Forest Service Southern Research Station
- 9:45-10:15 **Russell Graham**, Research Forester, US Forest Service Rocky Mountain Research Station
- 10:15-10:30 Panel Discussion
- 10:30-11:00 Break
-  MANAGING FOREST ECOSYSTEMS  
11:00-11:30 **Cara Nelson**, Assistant Professor of Restoration Ecology, University of Montana
- 11:30-12:00 **Sharon Hood**, Ecologist, USDA Forest Service Missoula Fire Sciences Laboratory
- 12:00-1:00 Lunch
- 1:00-1:40 FILM: *THE WORLD OF K.D. SWAN: EARLY 20TH CENTURY PHOTOGRAPHER AND CONSERVATIONIST*  
**Marcia Hogan**, Documentary Filmmaker, Missoula, MT
-  BIOFUELS & ENERGY  
1:40-2:10 **Nate Anderson**, Post-Doctoral Researcher, University of Montana
- 2:10-2:40 **Mark Coleman**, Associate Professor of Forest Resources, University of Idaho
- 2:40-3:00 Break
-  COLLABORATIVE PLANNING & STEWARDSHIP  
3:00-3:30 **Scott Brennan**, Northern Rockies Forest Program Director, The Wilderness Society, MT
- 11:00-11:30 **Gary Burnett**, Executive Director, Blackfoot Challenge, MT
- 11:30-12:00 **Robyn King**, Executive Director, Yaak Valley Forest Council, MT
- 4:30-5:30 POSTER SESSION
- 5:30-7:00 MIXER
- 7:00 BANQUET & AWARDS



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FRIDAY APRIL 23

7:00-8:30 Breakfast

8:30-9:00 Business Meeting



STRESSED OUT – CRITICAL ISSUES IN FOREST ECOLOGY

8:30-9:00 **Diana Six**, University of Montana

9:00-9:30 **Anna Sala**, University of Montana

9:30-10:00 **Solomon Dobrowski**, University of Montana

10:00-10:30 Break



FIRE BEHAVIOR & MANAGEMENT

10:30-11:00 **Russ Parsons**, Research Ecologist, USDA Forest Service Missoula Fire Sciences Laboratory

11:00-11:30 **Carl Seielstad**, Research Assistant Professor, National Center for Landscape Fire Analysis

11:30-12:00 **Tyron Venn**, Assistant Professor Natural Resource Economics, University of Montana

12:00-1:00 Lunch

1:00-1:45 DAVID THOMPSON IN THE FORESTS OF KOOTENAI AND SALISH COUNTRY

**Jack Nisbet**, Pacific Northwest Author and Historian, Spokane, WA



POLICY & PROFESSION

1:45-2:15 **Bob Harrington**, State Forester, Montana DNRC

2:15-2:45 TBA, US Forest Service Region 1

2:45-3:15 TBA, SAF National Office

12:00-1:00 Closing Remarks



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### - PRE-CONFERENCE EVENTS -

#### AMERICAN TREE FARM INSPECTOR TRAINING WORKSHOP

Wednesday April 21<sup>st</sup>, <> pm to <> pm. A vital training for all current ATFA inspectors or any interested in becoming an inspector. This is an especially important training opportunity. Recent alignment with federal programs standards has produced a new set of Tree Farm certification standards (see article in the December 2009 *Forestry Source*), and all year 2010-2015 inspectors need to be retrained under the new standards that will be presented at this workshop. Location: Doubletree Hotel Canyon Room. Lunch included at no charge, but you must pre-register. Contact Paul McKenzie (406-892-7012; pmckenzie@stoltzelumber.com) to pre-register or for more information.

#### MONTANA SAF EXECUTIVE COMMITTEE MEETING

Wednesday April 21<sup>st</sup>, <> pm to <> pm. Dinner followed by reports and any ExCom business. Location: <Finn & Porter Restaurant (Doubletree Hotel restaurant)>. ExCom members will select meal from a fixed-price menu. Contact Dennis Davaz (406-222-3360; mtdavaz@aol.com) for more information.

### - CONFERENCE EVENTS & HIGHLIGHTS -

#### KEYNOTE PRESENTATION

Dr. Klaus Puettmann is the conference's keynote speaker. Dr. Puettmann is Edmund Hayes Professor in Silviculture Alternatives at Oregon State University. He recently coauthored a new book titled, *A Critique of Silviculture: Managing for Complexity* (Island Press). Dr. Puettmann will be speaking about the themes articulated the book. For more information about the book, read the recent review in the January/February issue of the *Journal of Forestry* (by Missoula SAF chapter member Peter Kolb). For more details about Dr. Puettmann and his research programs, see his website at <http://www.cof.orst.edu/cof/fs/kpuettmann/group.htm>.

#### VENDORS

Vendors are provided an excellent location in the Lewis and Clark rooms, immediately adjacent to the ballroom where presentations and meals will be held. Vendors may set up after 7:30pm on Wednesday April 21<sup>st</sup>. Limited space is still available for vendor tables. Those who cannot attend the meeting are asked to consider becoming a meeting sponsor. Contact Scott Kuehn (406-546-9304; montanaforester@yahoo.com) or Kent Bevington (406-258-5511; <>) to become a vendor or sponsor, or for more details.

### SILENT AUCTION

Silent Auction is held by the University of Montana SAF Chapter and all proceeds support student participation in SAF. During the conference, auction will take place in the Russell Room. Winners to be announced on Friday April 23<sup>rd</sup>. Help if you can – donate items suitable for the auction. Contact Stephen Mohr (<phone>; <emailaddress>) or Ron Wakimoto (406-243-6201; ron.wakimoto@cfc.umt.edu).

### POSTER SESSION

Posters are sought from researchers, students, managers, and others that present new information. Space is limited, so all posters must be registered in advance space and designated placement in the Russell and Prefunction (registration) rooms. Posters may be installed as soon as possible after 7:30 pm on Wednesday April 21<sup>st</sup>; all posters should be installed before lunch on Thursday April 22<sup>nd</sup>. No thumbtacks permitted; Doubletree will provide backing tape. Contact John Goodburn (406-243-4295; john.goodburn@umontana.edu) to reserve your poster space or for more details.

### AWARDS BANQUET

The Annual Montana SAF Awards Banquet will be held at 7:00 pm on Thursday April 22<sup>nd</sup>. Table-service dinner will be followed by awards and recognitions of service to Montana SAF. Location: Bitterroot Room. For information about this year's awards contact Holly McKenzie (406-892-4141; hmckenzie@centurytel.net).

### UM FORESTRY ALUMNI BREAKFAST

Breakfast provided by the University of Montana's College of Forestry & Conservation for all alums of the college. Buffet breakfast, with an update on CFC affairs the college Dean. Friday April 23<sup>rd</sup>, 6:30 am in the Canyon Room. For more details contact Jill Kinyon (406-243-5522; jill.kinyon@umontana.edu).

## **- CULTURAL EVENTS -**

### *THE WORLD OF K.D. SWAN: EARLY 20TH CENTURY PHOTOGRAPHER AND CONSERVATIONIST*

A screening of this acclaimed documentary film by local producers Marcia Hogan and Libby Langston. The film describes the establishment and early years of the National Forest system through the life and remarkable photographs of K.D. Swan. From 1911-1947, this forester-artist recorded the beauty and value of public lands in the Northern Region. The story is told by historians Dr. Char Miller and Dr. Mary Murphy, by Forest Service retiree Bud Moore, and by Swan's daughter, Helen Bolle. The film was recently recognized as an Official Selection at the 2009 Montana CINE International Film Festival. Film producer Marcia Hogan (former Public Affairs Officer with USFS-R1) will be present to entertain questions following the film. For more background about the film and K.D. Swan, see the January 22 feature article in the Missoulian.

### *DAVID THOMPSON IN THE FORESTS OF KOOTENAI AND SALISH COUNTRY*

A presentation by Jack Nisbet on the explorer David Thompson and his early journeys through western North America. Between 1800 and 1812, North West fur trade agent and cartographer David Thompson recorded the first written accounts of a vast swath of the northern Rockies and western Montana. He used those daybook entries to create the first accurate maps of the region, often incorporating tribal and geographical information onto his sheets. This illustrated presentation will focus on the forests Thompson described, the way he saw local Kootenai and Salish bands using those trees, and the many building and carpentry projects he set his men to

while developing the Inland Northwest's first circle of fur trade posts. Spokane-based teacher and naturalist Jack Nisbet is the author of two books about fur trader David Thompson: *Sources of the River* and *The Mapmaker's Eye*, as well as the essay collection *Visible Bones*. The Pacific Northwest Booksellers Association has named Nisbet's most recent project, *The Collector: David Douglas and the Natural History of the Northwest*, as one of their 2010 Books of the Year. For more details about Jack Nisbet and his books, visit [www.jacknisbet.com](http://www.jacknisbet.com).

**- POST-CONFERENCE EVENTS -**

UM CAMPUS WALKING TOUR

Optional tour will begin at the end of the conference at 4pm on Friday April 23<sup>rd</sup>. This informal walking tour with guide Peter Kolb is designed to acquaint you better with campus resources and the location of the UM-CFC offices and facilities. The tour will cross the bridge from the Doubletree Hotel to the UM campus, and will highlight some of the new construction on campus, the Montana State Arboretum, and Forestry Building and other sites where College of Forestry & Conservation faculty and staff are housed. Free of charge, all welcome. Contact Peter Kolb (406-243-4705; [peter.kolb@cfc.umt.edu](mailto:peter.kolb@cfc.umt.edu)) for more details.

FORESTRY DAY AT FORT MISSOULA

Make a weekend of it – join the festivities at this annual tradition, sponsored in part by SAF, on Saturday April 23<sup>rd</sup>. Activities include collegiate and professional lumberjack competitions, including crosscut sawing, pole climbing, wood chopping, axe throwing, hot saws, and log rolling. Other attractions include an impressive array of historic forestry and logging equipment, an operating steam-powered sawmill, a restored fire lookout tower, crafts, activities for children, and vendors. Scott Kuehn (406-546-9304; [montanaforester@yahoo.com](mailto:montanaforester@yahoo.com)) has details.



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### - DETAILS -

#### CONFERENCE REGISTRATION

Montana SAF members will receive an announcement once conference registration has opened and the registration form is available. Amy Helena (406-244-2385; [ahelena@mt.gov](mailto:ahelena@mt.gov)), Steve Hayes (406-243-5113; [steve.hayes@business.umt.edu](mailto:steve.hayes@business.umt.edu)), or Dave Stack (406-543-4138; [dmstack@aol.com](mailto:dmstack@aol.com)) can provide assistance with any registration issues.

#### CFE UNITS

SAF units will be available for attending the meeting. More information will be provided in your registration packet. Contact Steve Hayes (406-243-5113; [steve.hayes@business.umt.edu](mailto:steve.hayes@business.umt.edu)) for more details.

#### LODGING

A block of rooms has been set aside at the Doubletree Hotel for the nights of April 21 and 22 at the discounted rate of \$84 single (\$94 double). To reserve your room, call 406-542-4654 and ask for the Society of American Foresters rate. Note that this negotiated rate is lower than the government per diem rate of \$91, so expect rooms to go fast. The negotiated rate is also available for 3 days before and/or after the meeting, but only based on room availability. Riverview rooms are available at an additional charge and are subject to availability. For more information about the hotel, see: [www.missoulaedgewater.doubletree.com](http://www.missoulaedgewater.doubletree.com).

#### SPECIAL DIETS

All meals will include a vegetarian option; be sure to indicate this on your registration form. Other dietary concerns? Contact Amy Helena (406-244-2385; [ahelena@mt.gov](mailto:ahelena@mt.gov)).

#### MISCELLANEOUS

Any questions on that can't be addressed by the individuals listed above? Contact conference coordinator Chris Keyes (406-243-6051; [christopher.keyes@umontana.edu](mailto:christopher.keyes@umontana.edu)).