



FOREST ECOLOGY AND MANAGEMENT NEWS

A Newsletter for Department of Forest Ecology and Management Staff, Students and Alumni

Vol. 9, No. 2

September 2006

News from the Chair

On August 1, 2006, we welcomed Prof. Molly Jahn, our 12th dean, to the CALS campus. Dean Jahn comes to us from Cornell University in New York, where she has spent the past two decades as a geneticist and plant breeder. The challenges that she faces are formidable but she appears to be a high energy person. Our limited engagement with her thus far suggests that she is accessible and will make a genuine effort to get to know us and our programs.

Several awards are noted in this newsletter, including an Outstanding Alumnus award to Don Field from his alma mater, Penn State. Various scholarships, fellowships and awards to students are testimony to the success and dedication of our students and faculty. We are especially proud of the continuing success of students in the Capstone Competition with other Midwest schools. Jeff Stier has established an enviable record of team building among a diverse set of students to capture these awards.

Summer Camp 2006 was a great success despite the increasing bureaucratic controls placed on us for travel and vehicle use by students. The "camp" has evolved considerably in recent years to emphasize inventory

methods for multiple biological resources. In some future year, a combined camp with the Wildlife Ecology students seems likely, but we cannot imagine working anywhere but Kemp Station.

I look forward to receiving your comments and questions concerning the department, our students, and our programs. We have featured several new publications in this issue and would be pleased to satisfy your request for copies. If you plan a visit to Madison, be sure to stop by Russell Labs. Construction season is now 12 months of the year, and several new buildings are growing on the CALS campus but you'll have no trouble finding us. — *Ray Guries*

Alumni Update

Paul Muench (B.S. 1999) is a Technical Product Manager with Ben Meadows Company in Janesville, Wis., a company supplying products for foresters and engineers. Paul says he provides technical support to customers, helps design the company catalog, helps to pick new products, and represents the company at trade shows. Paul and his wife, Kim, are the proud parents of two children: Sierra, three years old, and Trevor, six months old. Paul's e-mail address is: <p.muench@benmeadows.com>.

Sam Frazier (B.S. 2001) is head of South American Operations for Oregon Canadian Forest Products (OCFP) and is living in Curitiba, Parana, Brazil. His job takes him throughout Brazil and elsewhere in South America buying raw material for U.S. based factories. And congratulations to Sam who also reports that he has married a Brazilian woman. Sam's e-mail is: <sam@ocfp.com>.

Mike Dockry (B.S. 1994) is USDA Forest Service Liaison to the Sustainable Development Institute and the newly formed Center for First Americans Forestlands at the College of Menominee Nation in Keshena, Wisconsin. The Center promotes sustainable forest management techniques and practices through research, education, policy analysis, and technical assistance. Mike will
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provide the link between the Forest Service and the Center at the College of Menominee Nation. He will also begin work on his Ph.D. degree this fall working with Prof. Nancy Langston. Mike plans to take an interdisciplinary look at sustainable forest management in indigenous communities, a topic that will complement his work at the Center for First Americans Forestlands. Mike's e-mail is: <mdockry@fs.fed.us>.

Student News

Congratulations to our May graduates

Congratulations to all of our students who completed their degrees in May and over the summer. The following students received a B.S. in Recreation Resources Management:

- April Countryman**
- Mark Ruiz**
- Riley Sowle**
- Jason Vroman**
- Kevin White**
- Cory Wiltgen**

The following students received a B.S. in Forest Science:

- Joseph Lennart**
- Adam Ridley**

The following students received their M.S degrees in Forestry:

Nicole Malandri. Thesis title: *A Comparison of the Leisure Lifestyle of Seasonal and Permanent Residents of Northern Wisconsin.* Nicole's Advisor is Prof. Donald Field.

Congratulations Scholarship Recipients!

A number of deserving students will receive scholarships and/or fellowships during the 2006-07 academic year. We congratulate all of them and wish them well in the coming year.

<u>Name</u>	<u>Year</u>	<u>Major</u>	<u>Scholarship awarded</u>
Amanda Budyak	Senior	Forest Science	Vicky Lee Hirsch Endowment for Conservation Scholarship
Monica De Wild	Senior	Rec. Res. Mgmt.	Earle D. Lyon Memorial Scholarship
Christopher Foelker	Soph.	Forest Science	David N. Connor Scholarship
Steve Hubbard	Grad	Forestry	Rbt. B. Hendricks Memorial/ Hardwood Manufacturers Association Scholarship
Chelsea Cervantes	Frosh	Forest Science	Cargill Diversity Scholarship
Daniel Klonsinski	Senior	Forest Science	David N. Connor Scholarship
Nathan Kraftcheck	Senior	Forest Science	Irving Gerhardt Scholarship
Ruhong Li	Grad	Forestry	John N. McGovern Family Scholarship
Laura Lorentz	Frosch	Forest Science	Vicky Lee Hirsch Endowment for Conservation Scholarship
Andrew Meier	Senior	Forest Science	Vicky Lee Hirsh Academic Merit Award
Steven Neary	Senior	Forest Science	Gavin & Mary Weis Research and Scholarship Fund
Melissa Norton	Senior	Forest Science	Vicky Lee Hirsch Academic Merit Award
William Rockey	Senior	Forest Science	Ruth & Carl Miller Academic Merit Award
Kaitlin Schott	Senior	Forest Science/ Rec. Res. Mgmt.	Irving W. Gerhardt Scholarship
Amy Smith	Senior	Forest Science	Laurence and Anella Dexter Scholarship
Paul Williams	Frosh	Rec. Res. Mgmt.	Peter Young Student Assistance Grant
Sijia Zhang	Grad	Forestry	John N. McGovern Family Scholarship

Rebecca Gass. Thesis title: *Principal-Professional Theory and Private Forest Owners' Choice of Cross-Boundary Coordination Approach.* Rebecca's advisor is Prof. Mark Rickenbach.

Emilie Grossman completed her Ph.D. degree in Forestry. Her thesis is titled: *Post-settlement Changes in the Northwest Wisconsin Sand Plain: Vegetation, Soil and the Landscape Mosaic.* Her advisor is Prof. David Mladenoff.

Summer Camp 2006

Twenty-three eager students participated in the Spring 2006 Forest Resources Practicum, affectionately known as Forestry Field Camp. Camp is an intensive three-week field course held at the Kemp Natural Resources Station in Woodruff, Wis. At Camp students conducted a comprehensive inventory of the forest as both a complex ecosystem and an important natural resource. They learned about the many biotic and abiotic components of the forest, how these components interact, and what products and services they provide to society. Field camp is one of the most memorable experiences during a Forest Science or Recreation Resources Management student's education. It's a time when all the

theories and concepts learned in the classroom literally come alive. The days are long; the work is hard; and the friendships made are forever. Perhaps the photos below will help you recall some fond memories from your Field Camp experience. — *Tom Steele*





Faculty News

He's outstanding in his 'Field'

Pennsylvania State University's



Prof. Donald Field

College of Agricultural Sciences has selected Prof. Donald Field to receive their 2006 Outstanding Alumnus Award. The award recognizes outstanding alumni achieve-

ments and provides opportunities for recipients to interact with faculty, students, and other alumni. "Throughout his research and teaching career, Dr. Field has persistently sought to demonstrate the linkages between academic research and its application to the public policy," says Stephen Smith, Head of the Dept. of Agricultural Economics and Rural Sociology at Penn State. "His work exemplifies the best of the land-grant university tradition." Prof. Field received his Ph.D. in Rural Sociology and Demography from Penn State University in 1968 after earning his bachelor's and master's degrees from the UW-Madison.

Prof. Scott Bowe promoted

Congratulations to Prof. Scott Bowe who was promoted to Associate



Prof. Scott Bowe

Professor with tenure. Prof. Bowe balances his time in the department among outreach, research and instruction activities. He provides technical

information to the wood products industry to help them make wood products processing and marketing more efficient. His current research includes analyses of "environmentally certified wood products," examining consumer preferences for hardwood species used in furniture manufacturing, and exploring the role of forest products in local and regional economic development. In 2004 Prof. Bowe traveled to China as part of Wisconsin Governor Doyle's trade mission. This experience provided opportunities to better understand both the challenges posed by China's wood products manufacturing industry and opportunities to market Wisconsin-made forest products. Students in Prof. Bowe's course, Wood, Industrial Use and Society, learn about the most recent developments in the field based, in part, on his own research. Prof. Bowe began his college education at UW-Madison, earning a B.S. degree in Forest Science in 1992. He then attended the University of Minnesota where he earned a M.S. in 1997 followed by a Ph.D. from Virginia Tech in 2000. He joined the faculty of Forest Ecology and Management in 2000 as Assistant Professor and Wood Products Specialist.

'Buckythorns' take 1st place in Capstone Competition

Congratulations to the Buckythorns, who represented the department at this year's Upper Midwest Capstone Competition and were awarded first place and \$1,000 in cash for their efforts.

The team developed a management plan for the Sunnyside Seed Farm, which Dane County recently acquired in order to protect the Black Earth Creek Resource Area from development. The property is located in the Town of Middleton along Hwy. 14 and consists of a mix of farmland, forest, wetlands, and riparian corridors as well as visually aesthetic natural ridgelines.

The students inventoried natural resources on the property and came up with alternative management scenarios, says Prof. Jeff Stier, who teaches the capstone course: Forest 590-Integrated Resource Management. The students prepared their report as a project for that class and also provided a copy to Dane County Parks, which will be managing the land.

Buckythorns team members pictured below are (l to r): Joseph Scott, Adam Ridley, Joseph Lennart, Erin Prendergast, and Kristin Shy.





Prof. David Mladenoff expands research ties with European colleagues

Professor David Mladenoff travelled to Italy and France this summer to spend time with colleagues to develop collaborative research projects and assist with preparations for a conference in Italy in the Fall of 2007. He serves on the planning committee for the upcoming conference.

During his trip, Professor

Mladenoff visited several research sites, including montane forest in the Italian Alps, where colleagues at the University of Turin are working; the southern Alps straddling France and Italy, where colleagues from the University of Rome are studying the movement of wolves; and two sites in France where colleagues are studying mixed, rural landscapes of agriculture and forest. Professor Mladenoff says at least two research collaborations will likely result from the visit, as

well as return invitations to present seminars and meet with colleagues and students during the academic year.

The visit also allowed Professor Mladenoff to visit several sites that he has used in his course on landscape ecology. He comments that, "In France, in particular, I have taught the work done by several of these colleagues for years, and to see the actual landscapes was enlightening."

Newly remodeled lab is open for business

New tenants are settling into the newly remodeled space in B26 Russell Labs. A former wet lab, the space is now remodeled to provide comfortable work space for students and staff of the Forest Remote Sensing Lab. A conference room table is also available for group meetings.

Residents of the work space include Ph.D. student Peter Wolter, GIS analyst David Helmers, post-docs Kirsten de Beurs and Brendan McNeil, research program manager Clayton Kingdon, and undergraduate intern Rachael Spartz, all of whom work under the guidance of Prof. Phil Townsend.

Lab staff engage in research, education, and outreach activities that focus on understanding the dynamics of forest and watershed ecosystems using remote sensing and geospatial technologies, modeling, and field and laboratory information. Their research, in general, looks at ecological responses to environmental change.

For more information about the Remote Sensing Lab, its staff, and current projects, visit their web site: <http://rs.forest.wisc.edu/>



Clayton Kingdon meets with Peter Wolter (above) in Clayton's new office space in B26 Russell Labs. Several work stations, a group meeting area, and storage space were carved out of the former wet lab.



Tom Steele on study leave in Newfoundland

Tom Steele, Superintendent of the Kemp Natural Resources Station and Associate Scientist with the Dept. of Forest Ecology & Management, is on a year-long study leave in eastern Canada. He and his family are living in Corner Brook, Newfoundland, where Tom is stationed at the Atlantic Forestry Centre, one of five national research facilities operated by the Canadian Forest Service (CFS). While there he will be working with colleagues from the Newfoundland Department of Natural Resources, the Western Newfoundland Model Forest, and the CFS on projects pertaining to forest economics, resource valuation, land use, and timber supply. During Tom's absence Prof. Scott Craven, Dept. of Wildlife Ecology, will serve as Interim Superintendent.

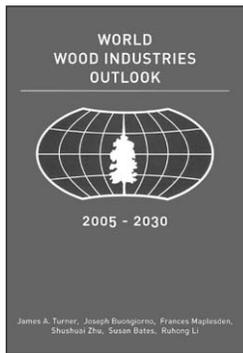
Tom reports that his family survived the five-day trip from northern Wisconsin to Newfoundland, including the six-hour ferry ride. Everyone has settled nicely into their new environs: Tom's wife, Sarah, is as busy as ever; Shanea (Grade 7) and Keyanna (Grade 3) have made lots of friends and enjoy their new schools; and even black labs Tickle and Gus have adjusted to their new back yard. Tom says he still hasn't caught one of those 30-lb. Atlantic salmon that the area is famous for. But he notes there is still time this fall and all it takes is one cast.



New Publications

Report forecasts forest production and demand

"World Wood Industries Outlook 2005-2030," a publication co-



authored by James Turner, Forest Ecology and Management Professor Joseph Buongiorno, Frances Maplesden, Shushuai Zhu, Susan Bates,

and Ruhong Li is now available. The 84-page report forecasts forest resource production (area and volume) to the year 2030 as well as wood products consumption, imports, exports, and prices. The forecasts cover 14 product groups, including industrial roundwood, sawnwood, wood-based panels, and pulp and paper products. Additional detail for 180 individual countries is on a CD attached to the report. Inquiries about availability of the publication/CD should be sent to:

www.scionresearch.com/other+publications.aspx

The forecasts used in the report were made using the Global Forest Products Model (GFPM), an econometric model developed in Professor Buongiorno's lab. The GFPM software and documentation are available at: www.forest.wisc.edu/facstaff/buongiorno/book/GFPM.htm

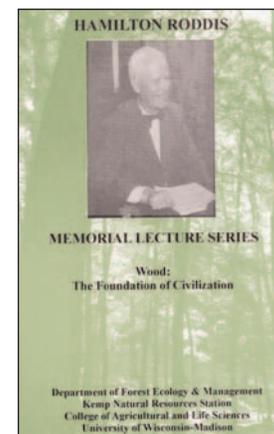
Prof. Buongiorno visited Scion Research (formerly Forest Resource Institute of New Zealand) in August.

He worked with James Turner (Ph.D. 2004) and Frances Maplesden to expand the GFPM to include secondary industries such as prefabricated houses, furniture, mouldings, and carpentry. He also gave a workshop on using WestproPlus, an add-in Excel program, to simulate the growth and management of Douglas-fir-western hemlock forest stands.

During his visit to New Zealand, Professor Buongiorno also had the opportunity to visit the impressive industrial plantations of Radiata pine and Douglas-fir as well as the wild, natural forests on the North Island.

Printed copy of latest Roddis Lecture available

A publication titled "Wood: The Foundation of Civilization," is available from the



Department of Forest Ecology and Management. The 24-page publication is based on a talk given by John Perlin for the 2005 Hamilton Roddis

Memorial Lecture. Perlin is an independent author living in Santa Barbara, California. His books include A Golden Thread: 2500 Years of Solar Architecture and Technology (with Ben Butti) and From Space to Earth: The Story of Solar Electricity. Request a copy of the 2005 Roddis Lecture publication by contacting the department by telephone (608-262-9975), e-mail (forestecology@mailplus.wisc.edu), or drop us a note



(Dept. of Forest Ecology and Management, 1630 Linden Drive, Madison, WI 53706).

Report summarizes status of logging industry in Wisconsin and UP



A recent study of loggers in Wisconsin and the Upper Peninsula of Michigan sheds light on the status

and possible future of the forest industry in the region. A publication

summarizing the study results is now available. "Status of the Logging Sector in Wisconsin and Michigan's Upper Peninsula 2003" is the product of a collaborative research project by Mark Rickenbach (FE&M), Tom Steele (Kemp Natural Resources Station), and Mike Schira (Michigan State University Extension Service). The researchers examined the structure, production, and demographics of the logging sector in Wisconsin and Michigan's Upper Peninsula. They also reviewed the business environment in which logging firms operate.

Three generalizations drawn from the research findings suggest that in the future the logging sector will face: 1) increasing parcelization of private woodlands which will

encourage logging firms to aggregate small woodland parcels to make logging them profitable; 2) globalization of the wood products market, which will likely reshape the industry, including logging firms; and 3) more collaboration among loggers, mills, and others in the wood products industry will be needed in order to remain competitive internationally.

To obtain a copy of "Status of the Logging Sector in Wisconsin and Michigan's Upper Peninsula 2003," call (608) 262-9975 or email <forext@calshp.cals.wisc.edu>.

An electronic copy can also be downloaded at: <http://www.forest.wisc.edu/extension/Publications/LoggingReport.pdf>

Forest Ecology and Management Capital Fund

We invite you to join us in our efforts to establish a capital fund. Proceeds will be used to support student travel to professional meetings, help cover the costs of the summer field camp and the southern trip and to renovate work space in Russell Labs.

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 (please specify amount)

I/we would like to pledge \$ _____ each year for _____ years.

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If paying by check, please make your gift payable to UW Foundation Forestry Fund, University of Wisconsin Foundation, 1848 University Avenue, P.O. Box 8860, Madison, WI 53708-8860



Alumni Update

We'd like to hear what's new with you, your family, career, etc. Please complete and return the form below to: Department of Forest Ecology and Management, 1630 Linden Drive, University of Wisconsin-Madison, Madison, WI 53706. Or e-mail the information to <rpguries@wisc.edu>.

Name: _____

Degree and Date Received: _____

Address: _____

E-mail: _____ Tel No. _____ Fax No. _____

Current employer and position: _____

News to share: _____

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