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 continue on page 2.

FOREST ECOLOGY AND MANAGEMENT NEWS is published by the Department of Forest Ecology and Management

Please send comments and news to:
Dept. of Forest Ecology and Management
1630 Linden Drive
University of Wisconsin-Madison
Madison, WI 53706-1598
Tel. 608-262-9975 Fax 608-262-9922
Email: <pgurities@wisc.edu> or <forestecology@mailplus.wisc.edu>
Web site: <http://forest.wisc.edu>
Editor/design: Mary Miron
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>.

### 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.

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

### 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.

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

‘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.

Prof. Scott Bowe promoted

Congratulations to Prof. Scott Bowe who was promoted to Associate 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.
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/
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/fac-staff/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.
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
## 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: 

______________________________________________________________________________

______________________________________________________________________________

______________________________________________________________________________

______________________________________________________________________________

______________________________________________________________________________

______________________________________________________________________________