

FOREST ECOLOGY AND MANAGEMENT NEWS

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

Volume 8, Number 3

November 2005

News from the Chair

There is an old New England (and Wisconsin?) expression, "if you don't like the weather, just wait a minute." Just like the weather, our CALS administrators continue to change quickly. During the past 6 months, Deans Aberle, Dentine and Barrows have all retired or announced their retirements. What will this mean for Forest Ecology & Management? Perhaps very little, especially if we continue our commitment to excellence in teaching, research and outreach. As this issue of our newsletter documents, there is a lot we can and should be proud of. And there are changes as well – read on.

Our faculty continue to reap awards – David Mladenoff is now the Beers-Bascom Professor of Conservation, while Joseph Buongiorno received an honorary degree from the Swedish University of Agricultural Sciences. John Ralph, a USDA scientist and adjunct professor, was elected a fellow in the American Association for the Advancement of Science. And we have officially welcomed a new faculty member, Dr. Philip Townsend, who was recently appointed an Associate Professor of Remote Sensing and Landscape Ecology. We are pleased and privileged to have Phil join us.

Our students also have earned accolades – some 19 undergraduates and graduates received scholarships or fellowships this year. Ms. Kaitlin Schott (double major in Forestry and Recreation Resources) received a Hollings Fellowship from

NOAA that will provide her tuition for the next two years. And our graduates continue to enjoy success in their professional pursuits.

On the other hand, major changes in college leadership also tend to create ripples "in the ranks," so we are waiting to learn the priorities and personalities of our new deans. Change can generate anxieties and uncertainties, but also opportunities. It is this last point that I want to leave with you. Opportunities occasionally arise in unexpected places and at unexpected times, but especially during times of change. The recent affiliation of the National Park Service GIS Unit with the department grows out of just such an opportunity. We are trying to be attentive to the winds of change to see just what other opportunities may come our way. – *Ray Guries*

Alumni Update

Michelle Steen-Adams (Ph.D. 2005) is certainly eligible for some sort of a "hat trick award." Michelle finished her Ph.D. degree in August, began her position as Assistant Professor in the Department of Environmental Studies at the University of New England in September, and gave birth to daughter Ingrid Sophia on September 20th. Ingrid Sophia, named after her great great grandmother, weighed in at 6 lbs., 12 oz. at birth. After a brief leave of absence, Michelle is back to work. She says both she and her husband, Mark Adams, are learning to work at the computer with a newborn in their lap. Mark also finished his Ph.D. at the UW-Madison this year and is lecturing at the University of New Hampshire. Congratulations to Michelle and Mark on their accomplishments in 2005. (msteenadams@une.edu)

Tom Shockley (B.S. 1996, M.S. 1998) is the DNR Forester and Property Manager of the Willow Flowage in Oneida County, Wisconsin. His job duties include managing 18,000 acres of land (setting up timber sales, coordinating tree plantings, overseeing prescribed burns, and maintaining the recon). Willow Flowage is a popular destination for campers, fishermen, hunters, and hikers. In fact, Tom asks that we tell Prof. Krueger: "I've been carefully studying the steelhead fishing on the Brule River and am slowly 'dialing it in' if he would ever like to come up and visit." Tom, his wife, Beth, and their preschool-aged son, Henry, live in Woodruff. (Tom.Shockley@dnr.state.wi.us)

Halil Turgut Sahin (Ph.D. 2001) e-mailed us from Turkey where he has been an Assistant Professor at Suleyman Demirel University since 2003. He says the university is located on the Mediterranean where we're guessing the winters a bit milder than here in Madison. Halil and his wife, Candan,

send their best wishes to their friends and colleagues at the UW. (sahin@orman.sdu.edu.tr)

Dan Pubanz (B.S. 1985, M.S. 1988) is operating Wolf River Forestry, LLC in Shawano, Wisconsin. Dan previously operated the business as an independent subcontractor of Clark Forestry, Inc., Baraboo, Wisconsin, owned by another Forest Ecology and Management alum-
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Alumni Update, continued from page 1
nus, Fred Clark (M.S. 1993). The two shared the news in a recent e-mail stating, "If you are not evolving and adapting to new opportunities, you risk extinction." The change allows each forester to focus on the region his office services. Both foresters provide forest management related services. Dan's e-mail is pubanz@frontiernet.net. Fred's e-mail is fclark@clarkforestry.info.

Brad St. Clair (M.S. 1984) was in town in September to compete in Ironman Wisconsin where participants swim 2.4 miles, bike 112 miles, and run 26.2 miles. Brad reports that the heat and high winds made for a grueling race. But he finished in 14 hours and 10 minutes, 1 hour and 45 minutes slower than the last time he competed. Most of us can only imagine what this felt like. Brad says the best part was the spectators. He reports that the cheering crowds on the bike portion of the race made him feel like he was in the Tour de France. Brad is employed with the USFS in Corvallis, Oregon (bstclair@fs.fed.us).

Alex Szele (B.S. 1997) can make an interesting entry on his resume. This summer Alex served as a stand-in for Harold Ramis, an actor who played roles in the movies "Stripes" and "Ghostbusters." The movie being filmed, "The Last Kiss," was shot at several locations in Madison including State Street, Union Terrace, and Bascom Hill. An article in the *Wisconsin State Journal* mentioned that Alex was supposed to begin a new job as a web application developer about the time the stand-in offer came in. The movie also employed about 250 extras. We'll look for your name in the movie's credits, Alex. (aszele@amfam.com)

Julia Watson (B.S. 2003) reports that she has moved to Texas and a new job. She is the Avian Care Specialist at the Fossil Rim Wildlife Center. She assists in hand-rearing the endangered Attwater's Prairie Chickens for release on the Gulf Coast prairies in Texas. This year they hatched about 140 chicks and were planning to release about half of the roughly

75 survivors into the wild.
(watson_julia@hotmail.com)

Congratulations to **David Karnosky** (B.S. 1971, M.S. 1972 and Ph.D. 1975 in Plant Breeding and Genetics), a professor at Michigan Technological University. He was awarded the Lifetime Achievement Research Award from the International Union of Forestry Research Organizations (IUFRO). David traveled to Brisbane, Australia in August to accept the award.
(Karnosky@mtu.edu)

Sheila Vanney (B.S. 1997) entered law school this fall at William Mitchell College of Law in St. Paul. She plans to continue working her full time "day job" as Assistant Director with Minnesota Association of Soil and Water Conservation Districts (MASWCD) and attend classes in the evenings. If all goes as planned, Sheila hopes to go into environmental law. In the message we received from Sheila this summer, she mentioned that although she has moved to Minnesota, she's still a Packers fan. Good luck, Sheila, with your new academic challenges...and those Packers could use a little luck, too!
(sheila.vanney@maswcd.org)

Erin Kreutz (B.S. 2001) recently shifted employment from the US Forest Service (Pacific Southwest Research Station) to the Washington DNR. Erin is enthusiastic about both her position with WA DNR and living in the northwest. She says she enjoys the variety her job offers. One week she may be setting up timber sales, the next week working on silvicultural projects, and the next week involved with fire suppression. Says Erin: "It has been exciting for this Wisconsin girl to see yarding operations and work with such massive trees. If only I had listened to Lorimer and Guries more while in school!" Students may want to note that Erin says the WA DNR hires foresters right out of school and is an excellent place to start. She adds that her co-workers are a fun and knowledgeable group with whom to work. (erinkreutz@uwalumni.com)

Student News

Congratulations to our Capstone Teams!

Congratulations to our own "University of Wisconsin Slashmasters" and "The Driftless Edge, Consultants," that placed first and third, respectively, in the annual Upper Midwest Capstone Competition. The students were seniors or graduate students when they completed their reports for the competition, a requirement of Forest 590—Integrated Resource Management, taught by Prof. Jeff Stier. The course requires students working in teams to integrate their knowledge of natural resources while solving a forestry problem.

The students competed against the top teams from Purdue University, Iowa State, and Michigan Technological University. Capstone courses require students to integrate knowledge from courses throughout the curriculum and to apply their knowledge to a complex land or resource management problem.

The Slashmasters' winning report was titled "Ice Age State Forest Management Plan." Team members were Michael Kraemer, Rachel Kronenberg, Brian Milligan, Steven Reinhardt, Joseph Schwantes and Caitlin Scopel. The students received a \$1,000 award.

The Driftless Edge, Consultants' report was titled "Twin Valley Farms Management and Restoration Plan." Students on this team were Maggie Grosenick, Matthew Kregal, Robert Murphy, Kimberlie Rawlings and Aaron Wunnicke. They received a \$300 award.

This is the second year that a UW team has captured first place. Prof. Stier says he's hoping for a threepeat in 2006!



Martin paper published in *Global Change Biology*

Ph.D. candidate Jennifer Martin had a paper accepted for publication in the journal *Global Change Biology*. The paper is titled "Carbon dynamics in a boreal mixedwood logging chronosequence" and is co-authored with Stith T. Gower, Jennifer Plaut, and Bruce Holmes. The paper is based on results from a study that took place in a boreal mixedwood forest near Wabowden, Manitoba, Canada.
(jlmartin3@wisc.edu)

Congratulations to our new Ph.D. recipients

Congratulations to two Forest Ecology and Management graduate students who completed their Ph.D. degrees over the summer. They are:
Jingjing Liang – Thesis: Managing forests for diversity, wood quality and income: simulation models for western U.S. forests. Jingjing worked with Joseph Buongiorno.

Michelle Steen-Adams – Thesis: Change on a northern Wisconsin landscape: Legacies of human history. Michelle worked with David Mladenoff and Nancy Langston.

Schott awarded NOAA Hollings Scholarship

Congratulations to Kaitlin Schott, a Forest Science/Recreation Resources Management undergraduate student, awarded the National Oceanic and Atmospheric Administration Hollings Scholarship. The scholarship covers tuition costs for her remaining two years of study as well as internship expenses in the summer of 2006. The College of Agricultural and Life Sciences also awarded Kaitlin the Irving W. Gerhardt Scholarship.
(kmschott@wisc.edu)

Congratulations Scholarship Recipients!

A number of deserving students will receive scholarships from the College of Agricultural and Life Sciences during the 2005-06 academic year. Congratulations to all of them!

Amanda Budyak	Senior	Rec Res Mgmt	Charles Eckburg Memorial Senior Award
Shaunna Chase	Senior	Rec Res Mgmt	Wis. Ag-Lime Association Scholarship
Monica DeWild	Junior	Rec Res Mgmt	Albert and Adelaide Riker Scholarship
Cody Didier	Senior	Forest Science	Irving Gerhardt Scholarship
Margaret Grosenick	Senior	Rec Res Mgmt & Forest Science	David N.Connor Scholarship
Corey Hart	Senior	Forest Science	Earle Lyon Memorial Scholarship
Todd Hawbaker	Grad	Forestry	Aldo Leopold (Green Tree Garden Club) Scholarship
Steve Hubbard	Grad	Forestry	Robert Hendricks Memorial/ Wood Component Mfg. Assn. Scholarship
Daniel Klonsinski	Senior	Forest Science	David N. Connor Scholarship
Nathan Kraftcheck	Senior	Forest Science	Comstock Scholarship Fund
Kate Legner	Junior	Forest Science	Esther Ihlenfeldt Memorial Scholarship
Joseph Lennart	Senior	Forest Science	Vicky Lee Hirsch Endowment for Conservation Scholarship
Steven Neary	Senior	Forest Science	Earle Lyon Memorial Scholarship, Gavin and Mary Weis Research and Scholarship Fund, and Wes Hansche Memorial Scholarship
William Rockey	Soph	Forest Science	Carl Cecil and Gertrude Ruff Lewis Scholarship Fund
Kaitlin Schott	Junior	Rec Res Mgmt & Forest Science	Irving Gerhardt Scholarship
Kristin Shy	Senior	Forest Science	Helen Miller Forestry Scholarship
Amy Smith	Senior	Forest Science	Central Region National Garden Clubs and Vicky Lee Hirsh Endowment for Conservation Scholarship
Sarah Unz	Senior	Rec Res Mgmt	Helen Miller Forestry Scholarship
Christopher Zimmerman	Frosh	Forest Science	Frank Barron Morrison Memorial - Marshfield High School Scholarship and Ruth and Carl Miller Academic Merit Award



Faculty/Staff News

Prof. David Mladenoff awarded Beers-Bascom Professorship



Prof. David Mladenoff has been named the Beers-Bascom Professor of Conservation. The award is given to a faculty member in the College of Agricultural and Life

Sciences to recognize his or her outstanding teaching, research, and service in conservation. The appointment lasts five years with a possibility for reappointment and includes an annual monetary allocation that can be used to support scholarly activities, including purchasing supplies, equipment, computer time, support for research assistants, and travel to professional meetings.

Prof. Ralph elected AAAS Fellow



Prof. John Ralph, a research chemist with the US Dairy Forest Research Center, USDA-ARS, and Dept. of Forest Ecology and Management, has been elected to the

rank of AAAS Fellow by the American Association for the Advancement of Science. Prof. Ralph was honored for "furthering the biochemical understanding of the structure of lignin and providing deep insight into the extent and diversity of lignins." AAAS members bestow the honor on their peers "for meritorious efforts to advance science or its applications."

Welcome to our new graduate students

Peter Wolter (ptwolter@wisc.edu) recently transferred into our department from the Environmental Monitoring program in order to work with Prof. Phil Townsend. Peter's project will involve investigating the use of interferometric coherence analysis of Radarsat sensor data for broad-scale mapping of temperate forest structure. "Currently, detailed information on temperate forest structure is sorely lacking in many ecosystem studies," says Peter. Their project's goal is to be able to accurately and efficiently monitor forest biophysical parameters using readily available data sources and provide a framework for semi-automated, periodic updates. Peter is a Research Fellow with the Natural Resources Research Institute at the University of Minnesota, Duluth. He earned his B.S. degree in Forestry at the UW-Stevens Point and his M.S. degree in Forest Resources at the University of New Hampshire. When he gets a little free time, Peter says he enjoys sailing and canoeing, hiking, playing Frisbee golf, and snowboarding.

Anders Olson (acolson1@wisc.edu) is working toward his M.S. with guidance from Prof. Volker Radeloff. His research interests focus on forest bird communities in southern Wisconsin, specifically, assessing changes by resampling a series of bird surveys conducted around this part of the state in the 1950s. Anders received his B.S. degrees in Zoology and History from the UW-Madison. Anders says he then "traveled to strange places," working in a variety of field biology, environmental education, and wilderness tripping positions. During his limited free time, Anders enjoys "playing with bicycles, canoes, nordic skis, and Frisbees, depending on the season."

Swedish University awards honorary degree to Prof. Buongiorno



Prof. Joseph Buongiorno received the degree of "Doctor honoris causa" from the Swedish University of Agricultural Sciences in Uppsala, Sweden, in October. Prof.

Buongiorno, pictured above in top hat and tails worn at the ceremony, was honored "for his theoretically advanced and practically useful modeling of the forest sector and international trade in forest products." The day prior to the award

ceremony, Prof. Buongiorno presented a public lecture. Two days after the award ceremony he presented a seminar on his work on forest management at the University of Umea in Sweden.

In September Prof. Buongiorno traveled to Sao Paulo, Brazil, where he presented an invited paper at the 3rd Iberian and American Symposium on Forest Management and Economics and the 11th Symposium for Systems Analysis in Forest Resources. The paper was titled "Markov models in the economic and ecological management of forested landscapes under risk."



Phil Townsend joins faculty

In August, 2005, Dr. Philip Townsend officially joined the Forest Ecology & Management faculty here in Madison. Prior to this, Phil worked for seven years as an assistant and associate professor at the University of Maryland's Center for Environmental Science (UMCES) located at the Appalachian Lab in Frostburg, MD. Phil is an ecologist who uses remote sensing and geospatial technologies to study the disturbance and recovery of forested ecosystems. His past research has focused on flooding and ecological succession in river bottom forests, especially the Roanoke River in North Carolina. He continues to work in floodplain ecosystems, but recently has expanded his work to include other forest types and other kinds of disturbances, including insect defoliators. It is this latter work that makes Wisconsin and Phil Townsend such a good match.

Phil's new NASA funded project will explore how insect outbreaks affect forest structure, secondary succession and land management practices.

Prior to joining us, Phil had begun work with Dave Mladenoff and others on the impacts of forest defoliators on carbon and nitrogen dynamics following insect outbreaks. A recent NASA grant will allow Phil to work in the Lake States examining spruce budworm impacts in northern forests. Phil will work with faculty at Wisconsin and with the U.S. Forest Service to incorporate carbon and nitrogen dynamics into models of long-term forest change. Integrating such outbreaks into

landscape change models will provide us with a better understanding of how insect outbreaks affect forest structure, secondary succession and land management practices. This work will be critical in devising options for sustainable forest management.

Phil has been married to Emily since 1990; they have two daughters, Zoe and Quillan, and a son, Ben. They share a house in Monona with Jack the Shetland sheepdog, Neptune the Blue Russian, and Speedy Mocha the Tortoise-Shell Calico. Hobbies in the family include hiking, swimming, basketball (though Phil is reconsidering this one), music, and all things Simpson (Homer not OJ). We look forward to their company.

Professor Phil Townsend joined the FE&M faculty in August. His research focuses on disturbances and recovery of forested ecosystems using remote sensing and geospatial technologies.

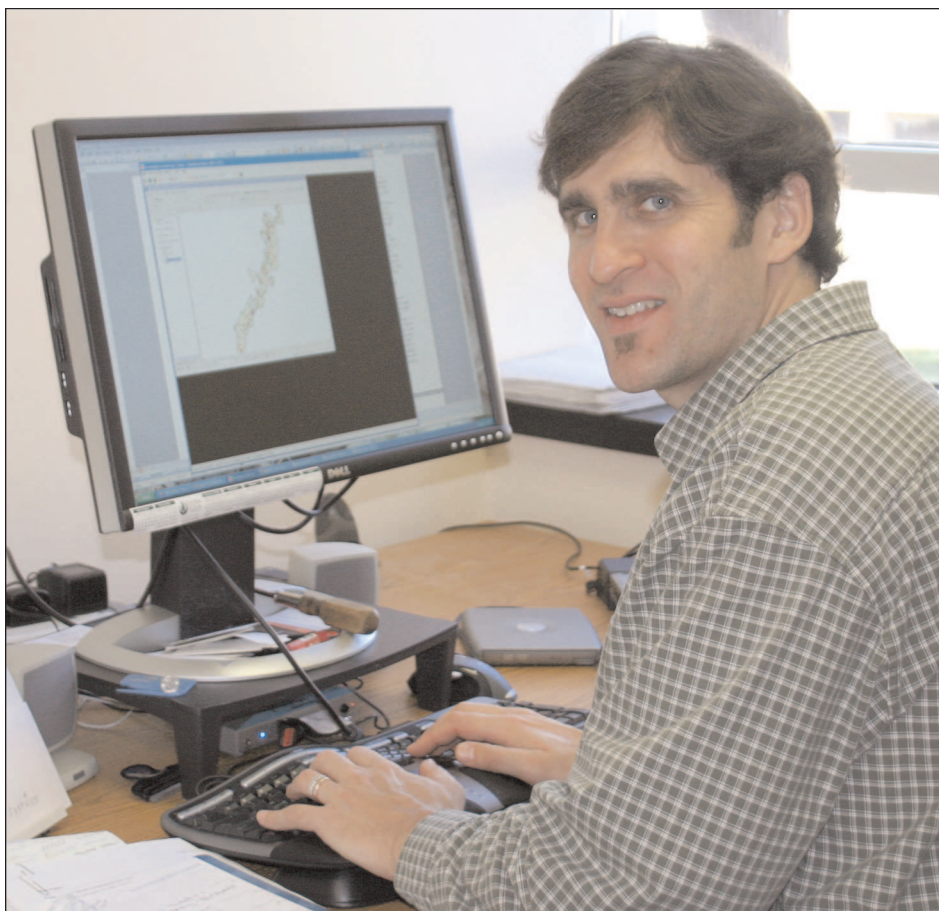


Photo by Mary Miron



Midwest Region GIS Tech Support Center now under the fold of FE&M

The Department of Forest Ecology and Management now includes the staff of the National Park Service's (NPS) Midwest Region GIS Technical Support Center (RTSC). As of Oct. 1, the RTSC is administered by FE&M and will be housed in the Stock Pavilion when remodeling of their suite is complete.

The RTSC is one of seven regional GIS offices around the country and provides services to the 13 states in its jurisdiction. Peter Budde, regional GIS coordinator, explains that the RTSC's mission is to provide GIS-related technical support and services for parks and programs within its region; assist with the planning, development, and implementation of geospatial technologies; and coordinate and foster partnerships with other agencies and organizations. More specifically, they provide geospatial database development using both new data and converting "old" data, produce maps and publications using GIS data, provide geospatial training and technical support (GIS and GPS), and land management planning.

Another major support role the office provides is within the interagency Fire GIS program. The Midwest Region's Fire GIS Specialist, Kathie Hansen, assists fire staff with the service elements described above. She works closely with fire GIS staff from the other 6 regions of NPS, as well as other state and federal land management agencies to create data, standards, tools and training for fire management and incident support across the nation.

In addition to Peter Budde and Kathie Hansen, RTSC staff include Reese Hirth, GIS Specialist; Sarah McGuire-Bogen, Project Assistant; Janice Baudewig Poehlman, Liaison; Courtney Klaus, Project Assistant; and Katie Dosch, Student Hourly.

Including the RTSC in FE&M was a natural match since the RTSC is already doing collaborative research with department faculty and staff. The National Park Service's Great Lakes Inventory and Monitoring Network is working with Prof. Volker Radeloff to develop protocols for monitoring land cover and land

use (LCLU) as part of its overall long-term ecological monitoring program. Part of this work involves gaining a historical perspective through use of archived aerial photography, old land survey notes, fire history, or other sources of information on land use and ownership patterns. The RTSC is also working with faculty in Landscape Architecture on a project involving historical land use along a portion of the Ice Age National Scenic Trail. RTSC staff are eager to share their expertise and services with others in the UW community. For more information, contact Peter Budde (peter_budde@nps.gov) or Janice Baudewig Poehlman (jlpoehlm@wisc.edu). For information about the RTSC in general visit their web site: <http://www.nature.nps.gov/im/units/mwr/gis/> and to learn more about the National Park Service GIS program visit <http://www.nps.gov/gis>.

New Alumni feature on FE&M web page

We are proud of the many Forest Ecology and Management alumni working in a variety of positions all over the country. And many students contemplating a major in Forest Science or Recreation Resources Management wonder what sort of job they could land with one of these majors. So to "strut our stuff" so to speak and give students real life employment examples we have created a new feature on our web page—Alumni Profiles. We currently have features on four alumni—Jessica Anderson, Brian Beisel, Kris Tiles, and Michael Weston—and will be adding more over the next couple of months. You can check out the profiles by visiting our web page <<http://www.forest.wisc.edu/>> and clicking on the "Alumni" link.

RTSC staffers Janice Baudewig Poehlman (left) and Courtney Klaus discuss features on an orthoimage of a Missouri landscape.

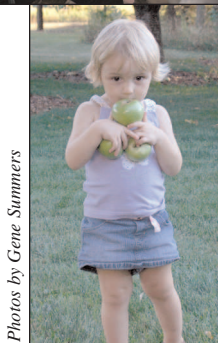


Photo by Mary Miron



Lamb Roast 2005!

Ces and Ray Guries hosted another memorable lamb roast on their Oregon homestead in August. The line for food was long but orderly and the many colleagues and friends in attendance feasted on perfectly roasted lamb and the many potluck contributions. The kids had a blast playing on the Guries' high-tech toys, like the trapdoor to the basement. Young and old...er alike enjoyed perusing the Guries' garden and orchard, even collecting a souvenir here and there.



Photos by Gene Summers



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 a range of research and instruction activities, help cover the costs of the summer field camp and the southern trip, and to upgrade research space in Russell Labs.

I/we would like to donate: ____ \$25 ____ \$50 ____ \$75 ____ \$100 ____ Other _____
(please specify amount)

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

I/we would like to donate \$_____ to the Graduate Student Travel Fund.

Please charge my gift of \$_____ to my (please circle): Mastercard Visa American Express

Card Number: _____ - _____ - _____ - _____ Card Expiration Date: _____

Cardholder's Name (please print) _____

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City, State, Zip _____

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 or e-mail the information to <rpjuries@wisc.edu>.

Name: _____

Degree and Date Received: _____

Address: _____

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

Current employer and position: _____

News to share: _____

Please return the above form to:
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