



ANNUAL REPORT

College of Natural Resources
University of Wisconsin-Stevens Point

July '09



College of Natural Resources

MISSION

The College of Natural Resources provides education, research and outreach in integrated natural resources management and environmental education, and in paper science. The College of Natural Resources:

1. Provides undergraduate and graduate instruction that combines theoretical concepts with practical experience, such as laboratory and field oriented courses, summer camp, internships and special projects.
2. Promotes scholarly activities that enhance the creation or application of knowledge or contributes to the resolution of environmental and natural resource management issues, especially through student research.
3. Shares faculty and student expertise with citizens, communities, agencies and industries through outreach, scholarship, and consulting.

PHILOSOPHY STATEMENT

The College of Natural Resources embraces the philosophy of integrated natural resource management. All students in the College, regardless of major, need to understand and appreciate relations between natural resources and human needs. They need to understand the scientific method and its application to environmental problem solving. Critical thinking and problem solving strategies based on integrated resource management and education will be promoted through the College's teaching, scholarship, and outreach activities.

The College is composed of faculty, staff, and students, each with their own expertise, strengths, attitudes, and values. This diversity contributes to the education offered by the College because of our integrated philosophy. Responsibilities and appointments vary among College faculty and staff. Most have teaching appointments, some have extension appointments, while others serve mainly in research or administrative capacities. Faculty and administrators will capitalize on the strengths and diversity of College personnel to promote integrated resource management through teaching, scholarship, and outreach.



College of Natural Resources

Annual Report 2009

For the fiscal year beginning July 1, 2008 and ending June 30, 2009

Ongoing CNR initiatives and noteworthy accomplishments

Academic Initiatives/Accomplishments

- **Graduation**

- 265 undergraduate students in the CNR received bachelor degrees in FY 2009 (Aug. '08, Dec. '08, May '09) including numbers in the following majors:

Forestry	72
Resource Management	59
Soil & Waste Resources	19
Water Resources	41
Wildlife	67
Paper Science	7

- 38 graduate students in the CNR received master's degrees in FY 2009.



- **Job Placement**

- 82% (165) of 2008 CNR graduates found employment in their field of study or elected to pursue further schooling; 11% found employment outside of their field of study.
- 62% of 2008 CNR graduates who reported employment are working in Wisconsin; the remainder found jobs in 29 states and 1 foreign country (South Korea).
- 100% placement for 2008 Paper Science & Engineering graduates, with starting salaries averaging \$65,000.

- **Student Internships**

- CNR placed 162 students in paid intern positions with about 83 state, federal, municipal, and private agencies, with an annual payroll of \$710,000 (includes 21 UWSP-contracted student employees who earned \$86,000).

- **Summer Field Training Programs**

- 213 natural resource majors were enrolled in the 2009 "summer camp" training program at Treehaven.
- 39 natural resource majors completed the 2008 European Environmental Studies Seminar Program, and 37 students are enrolled for summer 2009 (alternative to Treehaven summer camp).

- **Paper Science & Engineering Department**
 - Student recruitment includes 14 new freshmen for fall 2009.
 - Significant progress toward coveted accreditation by **Accreditation Board for Engineering and Technology (ABET)**, with possible accreditation notification in late summer 2009.
 - **Trans-Atlantic Paper Science Undergraduate Dual Degree (TAPS) Program** CNR launched this innovative program involving five universities and will allow some students at UWSP to study at selected schools in Europe and receive a degree both here and abroad (dual degree).
 - TAPS creates partnerships between UWSP, North Carolina State University, Munich University of Applied Sciences (Munich, Germany), TAMK University of Applied Sciences (Tampere, Finland), and Jyvaskyla University of Applied Sciences (Jyvaskyla, Finland). The European schools all offer paper science programs but with varied specialties.
 - This project is the result of a **four-year grant totaling \$447,000** from the Fund for the Improvement of Postsecondary Education (FIPSE). UWSP, the lead U.S. University in the plan, wrote the grant proposal. Students in the dual degree program will receive \$12,000 stipends the first four years to help with the additional costs of going abroad.
 - The dual degree program will be available at UWSP in the Fall Semester of 2009. Three Paper Science & Engineering students have been selected to travel abroad to Finland and Germany this fall for the TAPS program: **Katherine Mess, Scott Gewiss, Stephen Chastain**. In addition to the dual degree, all TAPS students traveling abroad will participate in overseas internships. American students will study at Munich University of Applied Sciences for a semester. Then, depending on their specialty interest, they can choose which of the two Finnish schools to attend.
 - Students at UWSP and NCSU who are unable to travel abroad will have the chance to participate in multicultural dialogue and work with European exchange students who can bring new thoughts and ideas into the classroom.
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- **The Wisconsin Institute for Sustainable Technology (WIST)** was established as a new innovative division of the University of Wisconsin-Stevens Point to develop interdisciplinary research, education, and laboratory services related to a wide range of sustainable technologies. These technical advances will be transferred to Wisconsin industries and businesses, ultimately resulting in significant contributions to environmentally sound industrial and associated workforce development.
 - Particular areas of sustainable technology transfer presently being addressed by WIST include: biofuels, paper science and engineering, forestry, waste management, water resources, and waste water treatment.
 - In the last two years, the faculty and staff of WIST have acquired over \$3.75 million in federal, state, and private sector development grants. Congressman David Obey was instrumental in helping WIST acquire Department of Defense funds to pursue its most recent project which relates to the development of cellulosic biofuels.



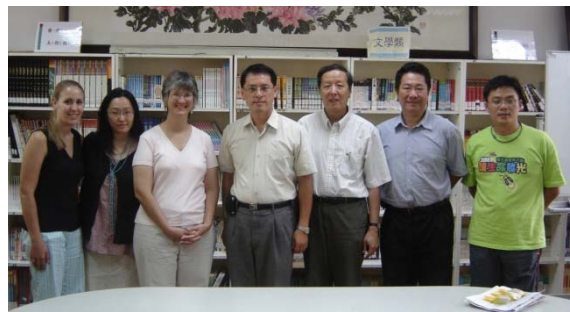
- **CNR International Programs & Initiatives**

- 86 students participated in study abroad programs during the 2009 fiscal year (excluding GEM Student Ambassador program):
 - **Mike Demchik and Jesse Haney** led the Costa Rica Winterim trip with 22 students.
 - **Sue Kissinger and Paul Doruska** led the Mexico/Belize Winterim trip with 24 students. (The CNR offers international trips to Tanzania, Africa and Mexico/Belize/Guatemala on alternate years).
 - **Eric Anderson and John Heusinkveld** led the 2008 European Summer Seminar program with 40 CNR students.
 - **GDR designation and Winterims** – CNR’s Costa Rica trip received designation as an Environmental Literacy course *and* the College’s Mexico/Belize/Guatemala trip received designation as an Environmental Literacy and Non-Western course.
- Four new **GEM Student Ambassadorships** were awarded for Summer 2009: Brianna Soroko / Anna Johnson (Kenya); Adam Skadsen (South Africa); and Lindsay Gafford (Oaxaca, Mexico).
- The **GEM Student Ambassador Speaking Series** continued, in which all the GEM Student Ambassadors gave presentations on their experiences abroad.
- CNR hosted an International Speaker, **Mr. Nguyen Vy**, who spoke on the *Biodiversity of Vietnam*
- **David Norman**, CNR Costa Rica Tropical Ecology Winterim guide since the mid 90s, visited CNR faculty and staff last August to discuss the trip objectives and help strengthen this study abroad program overall. The Costa Rica Winterim began in 1985 and runs for three weeks every Winterim.
- **Bobbi Kubish** visited Brussels, Belgium in October 2008 for a Fund for the Improvement of Postsecondary Education (FIPSE) Project Directors’ meeting to collaborate with the Trans-Atlantic Paper Science and Engineering Dual Degree (TAPS) partners as well as learn about grant specifics.
- **Dr. Gerry Ring**, Chair of Paper Science and Engineering, traveled to Munich, Germany; Tampere, Finland; and Jyväskylä, Finland to meet and collaborate with the Trans-Atlantic Paper Science and Engineering Dual Degree (TAPS) partners, tour their universities and learn about their paper science programs
- The grant partners for the **Trans-Atlantic Paper Science and Engineering Dual Degree (TAPS)** program visited UWSP and North Carolina State University the end of April to tour UWSP and NCSU and finalize the student exchange agreement for paper science and engineering students who will be traveling abroad. Staff who came included:
 - University of Applied Science – München (UASM) – Dr. Heinrich Zeigler (Dean of College), Dr. Stephen Kleemann (Professor and Chair of Department), Annabelle Wolff (Project Director)
 - Tampere University of Applied Sciences (TAMK) – Dr. Ulla Haggblom-Ahnger (Professor and Chair of Paper Science); Kirsi Tolvanen (International Programs Coordinator)
 - Jyväskylä University of Applied Sciences (JAMK) – Professor Anneli Kakko (Professor of Physics)
- Three UWSP Paper Science and Engineering Students will travel abroad to Finland and Germany in fall 2009 for the TAPS program: **Katherine Mess, Scott Gewiss, Stephen Chastain.**



Bobbi Kubish

- **Kevin Russell**, Wildlife, traveled to Poland in March to establish a research project focusing on high altitude amphibians in the Tatra Mountains (Gorce National Park area) and strengthen ties with Jagiellonian University partners who lead the CNR European Environmental Seminar.
- **George Kraft**, Water Resources, traveled in October to Universität für Bodenkultur Wien (BOKU; University of Natural Resources and Applied Life Sciences Institute of Hydrobiology and Aquatic Ecosystem Management, Vienna), Austria and the *Università degli Studi di Napoli Federico II* in Italy to discuss water management research projects and student exchange possibilities with those universities.
- **Edyta Mozden**, a Graduate Special student from Poland and a student of Dr. Katarzyna Sawicka-Kapusta (our Jagiellonian University partner/guide for the European Environmental Studies seminar), visited the CNR through May of this year, taking classes and working in the CNR's Water and Environmental Analysis Lab (WEAL).
- **Nicolas Syano**, former CNR graduate student, is currently working to reforest his local community (Mbumbuni, Africa, in the Makueni district of Kenya) and educate citizens on sustainable practices. He worked with his community church to form a non-profit organization called the *Center for Community Regeneration – Kenya, Inc. (CCR, Inc.)* Nicolas is very interested in a long-term CNR partnership, including short term educational/service learning trips for students. Two former CNR undergraduates (**Zach Engelking** and **Adam Washebek**) visited and helped Nicolas for a few months--at their own expense. The Stevens Point organization **CCR, Inc.** has sent Nicolas thousands of dollars from the local community to purchase items such as: tree seeds, water tanks, Internet access, shovels, and gutters, and to pay for employee support in Kenya.
- CNR's **Wisconsin K-12 Energy Education Program (KEEP)** traveled to Taiwan for the third time in summer 2008 to lead an energy education workshop for approximately 50 teachers. KEEP shared its energy education resources, including their comprehensive K-12 activity guide, with teachers in Taiwan, and has been working with Taiwan's Ministry of Education to integrate energy education into the K-12 curriculum in Taiwan. Over the past three years, the activity guide has been translated and localized, making it accessible to Taiwanese educators.
- In 2008-09 there were 13 international students with CNR majors including 8 students from China, and 1 student from each of the following countries: South Korea, Poland, Peru, Colombia, and India.
- **CNR Peace Corp Masters International (MI) Program**
 - Current MI student, **Daphne Mayes** (Advisor: **Holly Petrillo**), left for Zambia in February 2009 as a LIFE volunteer (Linking Income, Food, and the Environment through forestry and agriculture). Daphne maintained a blog chronicling her experience at: <http://www.uwsp.edu/cnr/international/students.aspx>
 - Current MI student, **Heidi Hull** (Advisor: **Aga Razvi**), has been assigned to Uganda as a Sanitation and Water Extension Volunteer and will depart in August 2009.
 - CNR currently has six graduate applicants for a MI positions for the 2009-2010 academic year.



KEEP staff members Sara Windjue and Jennie Lane led an energy education workshop for teachers in Taiwan in summer 2008.

- Facility updates and renovations
 - Continued planning for construction of a new waste management building at UWSP.
 - Completed planning for a major dormitory renovation at Treehaven. Construction to begin in August 2009.
 - Completed fundraising for CNR west lobby. Renovation to begin in winter 2009.
 - Renovation of dining room and rec room at Treehaven nearly complete.
 - CNR faculty/staff lounge renovation completed. Planning underway for renovation of the TNR lecture hall on the East end of the building.
 - Planning underway for renovation of a lab on the second floor that has not been updated since the building was built.
 - Planning underway for renovation of the Schmeckle Reserve Visitor Center meeting room.



Meghan Buckley

- **New Faculty/Staff –**

- **Melissa Baker**, Assistant Professor, Forestry
- **Robert Michitsch**, Instructor, Soils & Waste Resources
- **Jason Riddle**, Assistant Professor, Wildlife
- **Brent Bednarek**, Instrumentation Specialist, WIST
- **Fran Blanchard**, Outreach Specialist, Conserve School
- **Joanna Griffin**, Outreach Specialist, Wis. Lakes Partnership
- **Christine Kuntz**, University Services Assoc., LEAF
- **Gretchen Marshall**, Outreach Specialist, LEAF
- **Jennifer McNelly**, Associate Outreach Specialist, CWSE
- **Danielle Mortag**, Academic Dept. Associate, Paper Science & Engineering Dept.
- **Jonathon Riven**, Outreach Program Manager, SHWEC
- **Sandy Wickman**, Associate Outreach Specialist, Wis. Lakes Partnership
- **Meghan Buckley**, Instructor of Soils
- **Kevin Burns**, Vallier Treehaven Resident Ecologist
- **Kristin Floress**, Assistant Professor of Human Dimensions of Resource Management
- **Dan Isermann**, Assistant Professor of Fisheries
- **Patrick Goggin**, Outreach Program Manager, Wis. Lakes Partnership
- **Dan McFarlane**, Research Specialist, CLUE
- **Kelly Klaas**, Lab Manager, Paper Science and Engineering
- **Maud LaMarche**, Info. Systems Resources Support Technician, Wis. Lakes Partnership
- **Pat Marinac**, Lecturer, Human Dimensions of Natural Resource Management
- **Nancy Nate**, Post-doctoral Research Associate, Water Discipline
- **Sharon Reichert**, Special Projects Coordinator



Kevin Burns



Kristin Floress



Dan Isermann

- **Faculty and Staff Achievements** – a few examples of success

- **Karyn Biasca**, Professor of Paper Science & Engineering, coordinated the site visit, wrote the self-study and the draft statement response for ABET accreditation, and established industry contacts with Van Ert and Tweet Garot to complete senior student design projects for the Paper 484 course (the projects were also presented at the TAPPI meeting in St. Louis).
- **Michael Dombek**, UWSP alumnus, former U.S. Forest Service Chief, retired CNR staff member, UW System Fellow, and professor of Global Conservation at UWSP, co-authored a new book, *The Business of the Conservation Nonprofit*, a primer for large conservation organizations on how to thrive in a competitive nonprofit world. In addition, Dr. Dombek was invited by the U.S. House of Representatives, to provide testimony in February 2009 at a House subcommittee hearing regarding the possible move of the Forest Service from the Department of Agriculture to the Department of the Interior.
- **Don Guay**, Assistant Professor of Paper Science & Engineering, worked with Eric Singsaas, Associate Professor of Biology to develop the advance contract with U.S. Department of Defense (DOD) for biofuels research for energy-dense fuel (JP8) and submitted three patent applications.
- **Michael Hansen**, CNR Professor of Fisheries and an expert in fisheries population dynamics of walleye in inland lakes and lake trout in the Great Lakes, has been advising the Idaho Department of Fish and Game on how to control lake trout populations in Lake Pend Oreille, the state's largest and deepest lake.
- **Kelly Klaas**, Lab Manager for the Paper Science & Engineering Department, brought in a total of \$53,000 from outside vendors, coordinated installation of cleaning/screening system & consistency control and blotter paper sales to IPS and Wausau Paper, NewPage, and Thilmany, and recent Pointer Bond paper sales to University Store.
- **Jerry Lazarski**, Executive Director of the Paper Science Foundation, increased the number of PS&E scholarships despite economic downturn, held productive and cooperative discussions with the UWSP campus Foundation on how to be more efficient and take advantage of synergies, and worked more closely with Clifton-Gunderson to identify, correct, and organize accounts.
- **Diane Lueck**, a Lecturer in CNR's Human Dimensions of Natural Resource Management discipline, and **Michael Demchik**, CNR Associate Professor of Forestry, received the 2009 University Leadership Mentor Awards from UWSP's Campus Activities & Recreation Office. Lueck serves as advisor for the Izaak Walton League of America - Bill Cook Student Chapter, and Demchik serves as advisor for the Society for Ecological Restoration at UWSP.
- **Eric Olson**, Instructor of Natural Resource Management and Extension Specialist for the CNR's Center for Land Use Education (CLUE), received the 2008 Professional of the Year Award from the Wisconsin County Code Administrators (WCCA). Olson was cited for his development and implementation of new college curriculum relating to zoning



Don Guay, Paper Science & Engineering

administration as well as the creation of the Wisconsin Land Use and Zoning Leadership Seminar.

- **Gerry Ring**, Professor and Chair of CNR's Paper Science and Engineering Department was elected secretary of the Pulp and Paper Education and Research Alliance (PPERA). He also helped to create the **Trans-Atlantic Paper Science Undergraduate Dual Degree (TAPS)** agreements with German and Finnish universities, re-expressed his theory of paper strength using classical thermal dynamics, and developed one invention disclosure: Highly Reactive Cellulose.
- **Christine Thomas**, CNR Dean and Professor of Natural Resource Management, was elected to a third term as chair of the Wisconsin Natural Resources Board. She also continues to serve on the conservation education and ranch committees of the Boone and Crockett Club, was reappointed to a second 2-year term on the Sporting Conservation Council, and served a major role in the organization of a White House Conference on Wildlife Policy under the request of the President of the United States. In addition, she received the Outstanding Career Achievement Award from the Bill Cook Chapter of the Izaak Walton League.

Outreach and Extension Initiatives and Accomplishments (selected highlights from various units)

- **Schmeckle Reserve** – Director: Ron Zimmerman
 - Through a Department of Transportation wetlands mitigation grant in partnership with the city of Stevens Point, Schmeckle faculty and staff are developing plans to restore Moses Creek to a free flowing stream and wetlands. It was ditched in the 1930s in an attempt to drain wetlands and create more farm land.
 - The Schmeckle Reserve's Visitor Center classroom/conference room is being totally remodeled, thanks to funding through the CNR Dean's office. This classroom is available for public use as well as campus activities.
- **Central Wisconsin Environmental Station (CWES)** – Director: Scott Johnson
 - Received a composting grant for vermicomposting and a composting tumbler at CWES. The center also included composting education for visiting middle schools and start-up vermicomposting kits for three schools.
 - Began using locally grown beef in food service department.
 - Hosted Wisconsin DNR Statewide Interpretive Training.
 - Piloted new international teambuilding overnight retreats.
 - Hosted the CNR's largest ever concentrated 2-week field training program with 57 CNR students.
 - Anderson Lodge was remodeled with new floor, lighting, woodstove, countertops, cabinets, cedar sign, and painted building, thanks to memorial gifts from the Hiram Anderson Family and a donation from Dr. Rick Wilke.
 - CWES staff created five DVD lesson plan tutorials for undergraduate practicum students, and continued to improve CNR's environmental education practicum program, including the addition of new technology such as flip-video cameras and digital recorders for student assessment.
- **Treehaven** – Director: Corky McReynolds
 - Timber stand improvements netted Treehaven's land management/program operations over \$20,000. Proceeds will help with many trail site and program improvements.

- UWSP, CNR and Treehaven have partnered with Conserve School to develop a Graduate Fellowship in Residential Environmental Education. Fully funded for the first 14 graduate students, the program will begin in fall 2009.
- Treehaven has been selected to serve as a relocatable site for the National Ecological Observatory Network (NEON). When funded, Treehaven will receive scientific equipment for atmospheric, stream, and land monitoring to support the core sites located at the University of Notre Dame's Environmental Research Center (UNDERC) and UW Trout Lake facilities.
- Treehaven received funding for two "green" initiatives:
 - Wisconsin Public Service Focus on Energy "Fuels for Schools" program selected Treehaven for a \$10,000 value feasibility study for bio-fuel augmentation, possibly leading to the purchase of wood chip heaters that utilize existing wood fuel sources gathered on site.
 - The UWSP Student Government Association Environmental Issues Committee selected Treehaven to receive \$8,400 of the Sustainability Reserve Funds to establish a UWSP Student Community Garden on the grounds of Treehaven.
- Treehaven established a partnership with the Rhinelander Environmental Stewardship Academy for continuous natural resource research and programming. During the summer students from RESA are involved in bear research and mosquito sampling.



- **GEM Education Center** – Director: Victor Phillips

- **GEM graduate students:** Rory Griffin, whose research focused on indigenous knowledge for sustainable natural resource management, and Lindsey Wood, whose research featured case studies of communities striving towards sustainability in India and Kenya, both graduated with master's degrees in May.
- **GEM TIES Watersheds Seminar in Mexico:** GEM Director Victor Phillips, GEM Watersheds Program Manager Emeritus Wes Halverson, and former GEM M.S. degree student, Clarisa Jimenez, designed and facilitated a two-week, field-based seminar in February 2009 for watershed and environmental professionals from Mexican academic and government institutions. With funding from USAID-TIES (Training, Internships, Exchanges and Scholarships), the seminar took 10 participants to field sites in Oaxaca, Baja-California, and Jalisco to observe successful practices in sustainable watershed management and to share their expertise with fellow participants.
- **GEM Critical Issues International Seminar Series:** In its fifth season, this series in the 2008-09 academic year focused on "Water Issues on the Water Planet," and drew an audience of students, faculty, and community members to evening presentations at the Dreyfus University Center Theater. The three international speakers included **Bolivar Pou**, a private sector watersheds program manager with TetraTech, Inc., who described environmental impacts of expansion of the Panama Canal; **Jay O'Keefe**, a professor at UNESCO-IHE, Delft, The Netherlands, who discussed the conflicts inherent in making long-term sustainability decisions in the face of short-term economic pressures; and **Simone de Hek**, a consultant and trainer on multi-stakeholder participation in resource



management, who discussed her own experiences in Mexico and South America in engaging diverse groups to solve local environmental issues.

- **GEM Student Ambassadors:** GEM sponsored six Student Ambassadors in summer 2008; four posted to Kenya and two to India. In summer 2009, four Student Ambassadors are on international assignment, two in Kenya, one in Mexico, and one in South Africa, bringing the total number of all-expenses paid ambassadorships since inception in 2002 to 43. These CNR students complete practical, service-learning projects in natural resources, while gaining important experience working with diverse cultures.
- **UW-Extension Lakes Program – Director: Bob Korth**
 - UWEX Lakes coordinated the statewide Clean Boats Clean Waters (CBCW) program through approximately 1,200 volunteers and interns. The Lakes staff partnered with the Department of Natural Resources and the Department of Workforce Development on a project for the American Recovery & Reinvestment Act in training 55 young adults to conduct Watercraft inspections for the CBCW program throughout Wisconsin in an effort to prevent the spread of aquatic invasive species.
 - UWEX Lakes coordinated the statewide Citizen Lakes Monitoring Network, a grass-roots team of individuals concerned with Wisconsin's Lakes. The program coordinates 1,500 volunteers who monitor more than 650 lakes.
 - The UWEX Lakes team developed and distributed information and educational materials including the quarterly newsletter, *Lake Tides*, which reaches 26,000 lake homes and the Lake List, a database linking over 920 lake organizations and related businesses working with lakes.
 - The **Lake Leaders Institute** at UWSP received the 2009 National Fish Habitat Award by the National Fish Habitat Action Plan (NFHAP), a consortium of fish and wildlife conservation agencies. NFHA recognized the Institute in March for its efforts to raise awareness for fisheries and habitat issues. UWSP's Lake Leader Institute has produced more than 200 graduates from around the state since 1998. Lake Leader graduates have become advocates for local lakes by conducting educational programs, spearheading management projects, working with the media and forging partnerships that support stewardship to lakes and much more.
- **Global Environmental Teachings Program (GET) – Coordinator: Susan Ermer-Schuller**
 - Teacher Exchange Program in Wisconsin – 13 teachers from South Africa and Wisconsin participated in a GET teacher exchange July 13-28, 2008 exploring natural resources of Wisconsin.
 - Online Courses Offered – A one-credit, online course offered by GET this year: *Environmental Studies of South Africa*.
 - Teacher Exchange Program in South Africa – 20 teachers from Wisconsin and South Africa learned about ecology, history, and society in South Africa through a teacher exchange June 22-July 12, 2009.



Bob Korth

- **Wisconsin Environmental Education Board (WEEB)** – Administrative Specialist: Ginny Carlton
 - WEEB received 161 grant proposals requesting more than 1.16 million dollars, and selected for funding a total of 75 proposals in four grant categories (energy, forestry, school forest, and general environmental education). The projects totaling nearly \$500,000 included state-wide initiatives such as support for the Wisconsin Project Learning Tree, the Green and Healthy Schools programs, and local initiatives such as an ecological study of the Rib River by Marathon High School Ecology Club members.

- **Wisconsin Center for Environmental Education (WCEE)** – Director: Randy Champeau
 - Developing a proposal for a Forestry Education Center with Wisconsin DNR.
 - Developing plans to create a K-12 Water Education program.
 - In November 2008, the WCEE held the 2008 Governor’s High School Conference on the Environment, bringing 301 environmentally-minded students and teachers from around the state to Stevens Point.
 - WCEE hosted and coordinated the Wisconsin Environmental Science Teacher Network’s first gathering/symposium for environmental science teachers in Wisconsin in August 2008. Over 100 teachers and education professionals attended.



2008 Governor’s High School Conference on the Environment

- **K-12 Energy Education Program (KEEP)** – Director: Jennie Lane
 - In fiscal year 2009, over 400 teachers participated in KEEP’s in-service courses. Since 1997, over 4,200 teachers have participated in various KEEP professional development opportunities. These courses are taught by adjunct faculty located throughout the state.
 - KEEP coordinated the *Bright Idea Fundraiser*, where students sell compact fluorescent light bulbs (CFLs) and LED holiday lights to earn money for school programs. During the 2008-2009 school year, 96 organizations (schools, clubs, and churches) sold a total of 20,765 CFLs and 8,264 LEDs. The organizations have raised \$66,322 and prevented 26,180,218 pounds of CO₂ from being released into the atmosphere. They have also saved their customers \$1,119,719 in energy savings.
 - Approximately 2,000 people visited KEEP’s Educator Resources tent and almost 400 people attended sessions in KEEP’s Educator Workshops tent at the 2009 MREA Energy Fair in Custer, Wisconsin, in June.
 - KEEP issued grants totaling over \$22,500 for schools to develop energy conservation plans or obtain resources that will improve the understanding of how energy flows through their building.

- **Center for Watershed Science & Education (CWSE)** – Director: George Kraft
 - CWSE provided water testing and interpretation for thousands of Wisconsin homes, lakes, and streams.
 - CWSE staff worked on statewide groundwater pumping policy issues with stakeholders and legislators.
 - Assisted lake and watershed groups in assessing and improving water quality.

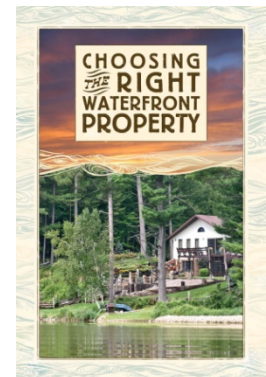
- Conducted research on controlling polluted agricultural runoff, and on the movement of pollutants in surface and groundwater.
- Developed groundwater quality summary reports to dozens of Wisconsin counties.
- Assisted with watershed planning and pollution abatement for Lake Montello, St. Croix River Headwaters, Lake Eau Claire, Lake Altoona, and Mead Lake; and provided lake management planning for dozens of lakes and rivers around Wisconsin.
- Trained consultants and agency personnel in urban runoff water quality models.
- Collaborated on assessing and recommending adaptations to anticipated climate change in Wisconsin.



St. Croix/Gordon Flowage in Douglas County

- **K-12 Forestry Education Program (LEAF)** – Director: Jeremy Solin
 - LEAF provided 30 professional development trainings reaching 499 teachers statewide.
 - Approximately 200,000 people visited the LEAF website for updated information and resources to teach and learn about Wisconsin’s forests.
 - LEAF provided assistance to approximately 100 school districts as they expanded and enhanced their school forest programs. Five new school forest parcels were registered to bring the total number of school forests registered to 365 in 206 school districts.
 - LEAF completed a needs assessment for the new Greening School Grounds Program which will provide support for schools developing outdoor classrooms.

- **Center for Land Use Education (CLUE)** – Director: Anna Haines
 - Organized and presented 16 regional workshops providing training to over 500 local government officials, plan commissioners and zoning board members. <http://www.uwsp.edu/cnr/landcenter/workshops.html>
 - Directed a statewide conference for the Lt. Governor of Wisconsin of the impact of climate change on Wisconsin communities attended by 250 people.
 - Completed the full-color, 20 page publication *Choosing the Right Waterfront Property*. 12,000 copies are being distributed state-wide.
 - Completed *Wisconsin Land Use Megatrends: Energy* distributed to over 2,000 to teachers, local governments and others. Due out soon: *Wisconsin Land Use Megatrends: Climate Change!* <http://www.uwsp.edu/cnr/landcenter/pubs-megatrends.html>
 - Presented the results of our Program Innovation Fund research on Livable Communities to over 125 planners at the 2009 national conference of the American Planning Association. <http://www.uwsp.edu/cnr/landcenter/pubs-megatrends.html>
 - Collaborated with UWSP’s Center for Watershed Science & Education in the Lake Management Project for Portage County, which is creating lake management plans for 29 lakes in Portage County. CLUE is contributing in the community surveys and meetings, and with GIS analysis that is generating residential buildout scenarios for all the lake watersheds to understand potential future impacts.



- **Forestry Outreach** – Forestry Outreach Specialist: John Duplissis
 - Offered leadership training and advanced training on sustainable forest management for woodland owners and enthusiasts through the Woodland Leadership Institute, Woodland Advocate Program, and Master Woodland Steward Program.
 - **Woodland Leadership Institute** - 22 woodland owners and enthusiasts graduated from the Woodland Leadership Institute this past year, receiving nearly 60 hours of classroom instruction and presentations in the field from nearly 30 agency, extension, forest industry, private consultants, and natural resources management professionals.
 - **Woodland Advocate Program** - 15 woodland owners participated in the inaugural class of the Woodland Advocate Program, receiving over 40 hours of instruction and approximately 500 student contact hours with instructors. Twelve Advocates met with over 40 woodland landowners on their property to discuss their interests and link them to the resources they need to accomplish their goals.
 - **Master Woodland Steward Program** - A total of 32 Master Woodland Steward Seminars were offered this past year, providing over 170 hours of instruction and almost 1,500 student contact hours with instructors. Nearly 110 individuals participated in at least one seminar, and 20 are currently working towards completing the requirements to become Master Woodland Stewards.

- **Becoming an Outdoors Woman (BOW)** – International/Wisconsin BOW Director: Peggy Farrell
 - BOW provided 12 workshops in Wisconsin that attracted nearly 300 participants to learn outdoor skills ranging from canoeing, kayaking, and boating safety to sporting clays, fly fishing and hunter safety.
 - Peggy Farrell, attended and facilitated the annual BOW Coordinators’ Conference in Newfoundland, Canada, July 2008. 24 participants attended professional development sessions geared toward enhancing BOW programs across North America.
 - BOW coordinated and planned 2 International trips for the spring of 2009: an ecology trip to Costa Rica (16 participants) and a saltwater fishing trip to Loreto, Mexico (14 participants).
 - BOW oversaw the reservation and guiding process for the annual public program for viewing prairie chickens on their booming grounds. Nearly 400 viewers reserved blind space for this spring’s season.
 - BOW conducted CNR’s hunter education class and certified 18 students and trained six new Wisconsin instructors.

- **Environmental Education & Training Partnership (EETAP)** – Director: Rick Wilke (EETAP is the U.S. Environmental Protection Agency’s National Environmental Education Training Program which is managed by UW-Stevens Point)
 - EETAP partners provided professional development training for 403,546 educators across the U.S. in 2008.
 - EETAP developed and launched a new UWSP credit course, *Making EE Relevant for Diverse Audiences*, to assist educators in reaching culturally diverse audiences.
 - Over 50 nature centers, zoos, museums, national wildlife refuges and other facilities implemented environmental education program evaluations developed in the UWSP course *Applied EE Program Evaluation*.

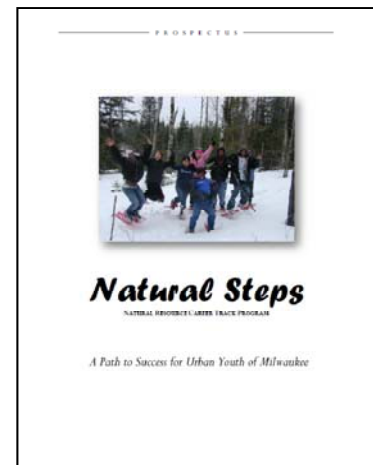
College-Wide Integrating Initiatives:

- **CNR News** – published the annual CNR newsletter in summer 2009, a 16-page full-color tabloid piece, and mailed it to over 9,000 alumni, donors and friends of CNR.
- **CNR Retirement & Awards Recognition Dinner** – This 4th annual event, held May 4, 2009 at Sentry World High Court, was attended by 80 people and honored retirees **Rick Wilke** and **Jack Annis**. In addition, the College presented 10 service and achievement awards.
- **2009 CNR Student Research Symposium** - A CNR highlight event, this 10th annual symposium was held April 3, 2009, and featured 52 student presenters participating in 27 oral presentations and 25 poster presentations (more on this event under *Activities and Accomplishments in Student-Centered Excellence*).



Student Recruitment, Diversity Initiatives, Activities, Achievements

- Fall 2008 recruitment success: 260 new freshman; 129 new transfer students.
- Student recruitment for Paper Science & Engineering includes 14 new freshmen for fall 2009.
- Three Paper Science and Engineering Students, **Katherine Mess, Scott Gewiss, and Stephen Chastain**, will travel abroad to Finland and Germany this fall, as the first CNR students to be part of the new **Trans-Atlantic Paper Science and Engineering Dual Degree (TAPS)** program at UWSP.
- Continued a partnership involving Milwaukee's very successful **Urban Ecology Center**; CNR and Treehaven - to open and expand opportunities for urban youth in the Milwaukee area to pursue educational experiences and careers in the natural resources field. The initiative was outlined in a prospectus titled **Natural Steps Natural Resource Career Track Program** and includes other Milwaukee Partners such as Growing Power, Milwaukee Area Workforce Investment Board, Milwaukee Environmental Services and Student Conservation Association, to name a few.
- Conducted diversity recruitment visits in Milwaukee, including presentations to 100 members of Student Conservation Association/Milwaukee Conservation Leadership Corp.
- Exhibited and presented to the Wisconsin Association of Agricultural Educators conference in Middleton about preparing high school students for careers in natural resources and encouraging multicultural youth to explore these career options.
- In conjunction with UWSP's School of Education, Native American Center, and Multicultural Resources Center, the CNR developed a PreView Point Day for Native American students to attend prior to the annual May Powwow. Students learned more about UWSP and majors here, including natural resources and support services on campus.
- The Paper Science and Engineering Department provided support to the Stevens Point Area Senior High School (SPASH) towards their successful initiative to incorporate Project Lead the Way (PLTW) – an engineer-focused curriculum – in their school. Over 70 SPASH students have enrolled in the first PLTW engineering course for the Fall 2009 semester.
- Treehaven hosted the *Treehaven Inner City Environmental Program* for Milwaukee inner city middle school children and their chaperones in March 2009 for a four-day program that gave the students an opportunity to learn about the environment and receive first-hand



experience in outdoor skills and activities. The program, in its 12th year, was made possible by a grant from the Kopmeier Family Fund of Milwaukee and longtime Treehaven benefactor, Dorothy K. Vallier and her son, William Kummer.

Activities and Accomplishments in Student-Centered Excellence

- **2009 CNR Student Research Symposium** – An annual CNR highlight event established in 2000 by former Dean Victor Phillips to celebrate student excellence in research. This year's Symposium, held April 3, 2009, featured 52 student presenters participating in 27 oral presentations and 25 poster presentations. Since 2000, a total of 454 student scholars have now presented applied research and community service project results in ten annual CNR Student Research Symposia. The 2009 event was made possible through support from the UWSP/UWEX Lakes Program and the John & Anne Meyer Fund for CNR.
- **CNR Rendezvous Awards Program** – This annual spring event was held on April 3, 2009 at UWSP's Michelsen Hall and attended by over 300 people; distributed 231 student scholarships totaling \$206,700 contributed by about 85 sponsors, including individual donors, conservation clubs, businesses, and conservation organizations; presented 12 outstanding student awards and **Shelli Dubai** was selected by students for the CNR Outstanding Teaching Award.
 - Paper Science scholarships - 47 scholarships totaling \$47,250
 - GEM Ambassadorships - 4 totaling \$12,000
 - CNR Scholarships - 180 totaling \$147,450
- **Earth Day Fellowships** – Six CNR graduate students were awarded \$1,000 Gaylord Nelson Earth Day Fellowships in spring 2009 in recognition of significant contributions to promoting conservation ethics and environmental education and for exhibiting future leadership potential in the field of environmental education. The students were: **Frances Blanchard** of Rhinelander, **Alison Cordie** of Sartell, Minn., **Ginamaria Javurek** of Eau Claire, **Jennifer Kobylecky** of Baraboo, **Stefanie Miller** of Chino, Calif., and **Scott Reilly** of West Milford, N.J.
- **12th Annual CNR Career Fair** was held in February 2009, attracting 300 students and 40 employers with booths that provided information on summer jobs, internships and permanent positions.
- **CNR's Student Chapter of The Wildlife Society** (Advisor: Eric Anderson) was named the 2008 Student Chapter of the Year by The Wildlife Society of Bethesda, Maryland. This is the fifth time UWSP's student chapter has been selected chapter of the year since the award was established in 1994. In addition, UWSP's student chapter was awarded a \$1,000 travel grant to send a student delegation to the national conference.
- **CNR's Student Chapter of the Society of American Foresters (SAF)** (Advisor: Paul Doruska) took second place nationally in 2008. The SAF honor is based on accomplishments during the 2007-2008 academic year and service to SAF, school, and community. In addition, UWSP's SAF 2008 convention attendees finished second for the third consecutive year in a 32-school forestry quiz bowl during the convention. The UWSP team defeated UW-Madison along the way in a head-to-head match in the quiz bowl.



Ben Kissinger presents at the 2009 CNR Student Research Symposium.

Activities and Accomplishments in Partnerships

- CNR faculty, staff and students earned 25 *intramural* grants in FY '09, totaling **\$16,288**.
- CNR faculty and staff earned 69 *extramural* grants totaling **\$5,974,265** in FY '09 (excludes pending grants). Partners include 31 different agencies:
 - Columbia County
 - Conserve School
 - County of Dane
 - Fond du Lac County
 - Great Lakes Fishery Commission
 - Hydrite Chemical Company
 - Minnesota Department of Agriculture
 - National Council for Air & Stream Improvement, Inc.
 - Natural Resources Foundation of Wisconsin
 - Portage County
 - Stevens Point Water & Sewage Dept.
 - Tree Fund
 - U.S. Agency for International Development
 - U.S. Army Research Office/Dept. of Defense
 - U.S. Fish & Wildlife Service
 - Upper St. Croix Lake Association
 - USDA Forest Service
 - UW-Extension
 - UW-Madison
 - UW-Sea Grant Institute
 - Waupaca Northwoods LLC
 - WE Energies
 - Whiting Utilities
 - WI Arborist Association
 - WI Association for Environmental Education
 - WI Department of Transportation
 - WI Department of Natural Resources
 - WI Energy Conservation Corporation
 - WI Environmental Education Board
 - WI State Cranberry Growers
 - Wood County

Development Success

- **Total Gifts of Cash or Stock in FY 2009 (7-1-08 to 6-30-09)\$1,596,640**
 - 631 gifts from 454 donors
 - Increased CNR endowment principle by **\$1,092,262** in FY 2009 (June 2008 = \$3,255,039 vs. June 2009 = \$4,347,302)

Highlights of new support committed in FY 2009:

- Jack and Marion Wilson Estate (Port Washington, WI) \$1,224,282 to create two new endowments: one that will provide scholarships for CNR students and another to support various needs of the College, including purchases of equipment, construction or improvements, operation of off-campus programs, and other priority needs.
- Veolia Environmental Services (Wisconsin Rapids, WI) \$5,000 to provide Veolia Environmental Services Scholarships for five CNR students in 2009.
- Dorothy Kopmeier Vallier Foundation (Milwaukee, WI) \$97,900 to provide support for the fourth consecutive year for the Vallier Treehaven Resident Ecologist position at Treehaven, currently held by Kevin Burns (BS-Forestry Administration, '91; MS-Natural Resources, '94).



William "Biff" Kummer, trustee for the Dorothy Kopmeier Vallier Foundation, and Kevin Burns, Vallier Treehaven Resident Ecologist.

- Kopmeier Family Fund/Greater Milwaukee Foundation (Milwaukee, WI) \$10,000 to build the Dorothy Kopmeier Vallier Treehaven Scholarship Endowment; and \$15,000 to support for Treehaven's Inner City Environmental Program which provides outdoor experiences at Treehaven for Milwaukee's inner city youth.
 - Dorothy Vallier (Milwaukee, WI) \$7,669 to support audio visual technology improvements at Treehaven.
 - Thomas A. Plein Foundation LTD (Henderson, NV) \$24,000 to the Thomas A. Plein Scholarship Endowment for CNR students with strong financial need. The support comes on the recommendation of Steve Plein (BS-Soils, '77), of New Port Richey, FL, a nephew of the late Thomas A. Plein.
 - Robert & Kim Spoerl/Premium Brands, Inc. (Waupaca, WI) \$10,000 to support the CNR Fall Migration event and the CNR West Lobby Renovation Project.
 - National Shooting Sports Foundation (Newton, CT) \$10,000 to support the Becoming An Outdoors-Woman Program (BOW).
 - Marvin & Sandra Kramer (Waupaca, WI) \$5,000 for the 2009 Marvin and Sandra Kramer Summer Academic Scholarships and the 2009 Kramer Family GEM International Studies Scholarships.
 - The Johnson Foundation, Inc. (Racine, WI) \$16,000 to support the work of Michael Dombek, UW System Fellow for Global Conservation.
 - Helen Godfrey (Stevens Point, WI) \$10,000 to support the CNR West Lobby Renovation Project.
 - Florence M. Freed Estate (Bergland, MI) \$25,975 to support the Treehaven Endowment Fund.
 - David A. Page Memorial - \$5,605 to support youth camp experiences at Central Wisconsin Environmental Station.
 - Ann Agnew (Tomahawk, WI) \$4,000 to the Agnew Leadership Endowment to support education programs at Treehaven.
- **New Scholarships:**
 - Five donors supporting nine new scholarships
 - CNR Forestry Advisory Scholarship
 - Jerome E. Skinner Memorial Scholarship
 - Muskies, Inc. – Headwaters Chapter, Steven J. Bassler Memorial Scholarship
 - Veolia Environmental Services (5)
 - Wisconsin Woodland Owners Association Scholarship
 - Two returning donors supporting 4 scholarships (back from an absence):
 - Racine County Conservation League (2)
 - Wisconsin Rural Opportunities Scholarship (2)