Huxley College Newsletters

Winter 2002

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Huxley College of the Environment, Western Washington University

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Huxley Hosts ISOMUL's 4TH International Conference - June 2002

Huxley College is very pleased to welcome an international community of experts in the field of sustainable development for a three-day conference to be held at Western. The invitation-only conference of approximately 150 attendees will concentrate on sustainable land use methodologies for the metropolitan landscape. The International Study Group on Multiple Use of Land, or ISOMUL, centered at Wageningen University in the Netherlands, provides an ongoing platform for multiple land use discussions and publications, and will co-host the conference with Huxley.

The workshop organizers intend to assemble researchers, educators, planners, designers, and policy makers to present and discuss topics related to collaborative land use planning for sustainability. The focus will encompass the social, natural and economic environments.

The workshop format includes participant presentations combined with applications of sustainability principles to the local case study area. The Skagit Watershed sub-region provides the case study area and is located in the Cascadia Pacific Heartland Region that extends from Vancouver, BC to Olympia, WA. Huxley students will participate as technical support staff assisting teams to develop their concepts for presentation at the conference plenary.

Sustainable development principles developed in the conference design workshops will be published and distributed to regional policy makers and planners throughout the region. For complete information see the Huxley web site: http://www.ac.wwu.edu/huxley/ISOMUL/ and the ISOMUL web site: http://www.wau.nl/rpv/isomul/

Western Foundation will be conducting the annual Huxley Phonathon on February 26, 2002. This is a great way for Alumni to support Huxley's good work.
The events of the past year have once again brought home the fact that we live in an ever-shrinking world. The need to better understand different natural and social environments has never been greater. The boundaries of tradition and history are quickly being redefined. In addition we are learning, albeit ever so slowly, that environmental concerns do not respect political boundaries. That said, it is critical that the environmental leaders of the future have a global understanding and commitment. As you will read in the following pages your college has been extremely active in expanding its international visibility both on campus and abroad. During the past year Huxley has welcomed visiting faculty from the Middle East, Asia, Europe and South America. Students representing twelve countries are currently studying at Huxley. In the fall of 2002 we hope to have students and faculty from the Russian Far East with us. Huxley faculty are engaged more than ever in timely research throughout the world. Expanding international programs benefit our students in many ways, not the least of which is the appreciation and understanding of different cultures; an understanding needed now more than ever. There are also some tangible benefits to the continued internationalization of Huxley. As many of you alumni know the environmental jobs of the future will increasingly be international. Having international contacts made while a student at Huxley will certainly not hurt when that first job search begins. I am sure that there are some of you who never dreamed of working internationally while you sat in the classrooms of the Environmental Studies building.

The interdisciplinary nature of a Huxley education has long been referred to as one that is both broad and deep. It is an education designed to equip the graduate to interact with many disciplines as well as the business community and policymakers. With each succeeding graduating class it is our goal to ensure that a Huxley education will also be known for its international preparation.

Please let me know your thoughts. Give me a call (360-650-3521) or email brad.smith@wwu.edu. I would welcome the opportunity of hearing from you. I hope you enjoy the following pages about your college.
Huxley Changes Names!

We are now called Huxley College of the Environment, not to be confused with the old name, Huxley College of Environmental Studies. In addition, the Center for Environmental Science is now the Department of Environmental Sciences and the Center for Geography and Environmental Social Studies is now the Department of Environmental Studies: Policy, Planning, Education and Geography.

Huxley’s Map Library

Did you know the collection holdings now exceed 242,000 maps, over 1,000 atlases, and 28,000 aerial photographs? Interest in historical aerial photography is increasing and a number of scanning projects are underway.

Enrollment

2001 fall enrollment increased by 100 students. About half of these students transferred from two-year schools. Many coming from two year schools do not have the proper prerequisites and need to take another year of GUR to be admitted to Huxley. Many come with insufficient math or science requirements. To assist students in planning their Huxley curriculum, Kathy Johnson, Huxley’s undergraduate advisor, along with representatives from Biology and Physics, have created a matrix listing the classes required.

Phonathon

Calling for Alumni Support! February 26, 2002 is the annual Huxley Phonathon. This is where you, as Alumni, can help our College grow and continue to be the best environmental college on the planet. When someone telephones you, you will have the opportunity to choose which area you wish to support. Choices include: Huxley College of the Environment General Fund, Dept. of Environmental Studies, Dept. of Environmental Science, Institute of Environmental Toxicology and Chemistry, Institute for Watershed Studies, Institute of Spatial Information and Analysis, Huxley Map Library (Janet Collins), Spatial Analysis Lab (Gene Hoerauf), GIS Project Lab (David Wallin), Huxley College Scholarships, and the Huxley College Commencement Fund.

Explorations in Environmental Studies - ENVR 397

A new interdisciplinary course including both social and natural science perspectives offers students an environmental problem-solving forum. The team-taught structure includes faculty from the Department of Environmental Sciences and the Department of Environmental Studies. It uses an interdisciplinary and case study approach. For fall quarter 2001, Wayne Landis, Jack Hardy and Gene Myers provided the case study oriented lectures. The class focused on Commencement Bay (Tacoma, WA) beginning with an 1850 historical analysis and continuing to a present day assessment.

GIS

Geographic Information Systems (GIS) is very popular at Huxley and WWU. To accommodate the growing interest, a new introductory class has been added to Huxley’s curriculum. Gene Hoerauf is now joined by new faculty member Michael Medler, GIS Specialist, Stefan Freelan, and Huxley Alum, Steve Walker.

Planet Wins Award

The Planet, WWU’s quarterly environmental publication, has been thriving for 21 years. Recently, the Planet was named as one of eight college magazines honored by the National College Media Convention. The Planet received the Associated College Press 2000 National Magazine Pacemaker Award “In recognition of general excellence and outstanding achievement by a college magazine in a national competition”, for its Spring 1999 issue, “The Olympic Pipeline Explosion: A Retrospective.” Scott Brennan is the advisor. See the Planet online at http://planet.wwu.edu/
The Institute for Watershed Studies monitors a number of different projects concerning water quality within Washington State. Since 1960, the Institute has been studying the water quality of Lake Whatcom. Research efforts have focused on developing a long-term water quality baseline, but also include algae studies, hydrological modeling, a watershed storm water evaluation, micro layer data and microbial nutrient enrichment studies. The objectives of this program are to continue long-term baseline water quality monitoring in Lake Whatcom, Washington. Technical reports summarize findings and include Lake Whatcom Monitoring Project 1999/2000 Final Report. The reports can be viewed on the web at http://www.ac.wwu.edu/~lakewhatcom.htm. The City of Bellingham has contributed to the funding of the ongoing Lake Whatcom Study.

TENRM Program

Lynn Robbins and Gigi Berardi have been involved with the Tribal Environmental and Natural Resources Management (TENRM) program since its inception, teaching courses for both Northwest Indian College and Huxley. Northwest Indian College is a tribal nation community college located on the Lummi Reservation near Bellingham. TENRM is an interdisciplinary, integrated environmental study program. It is based on community learning with Native American values integrated into the curriculum. The focus is on tribal management of freshwater and marine resources and includes internships, mainly with tribal governments, designed to prepare students for transferring to university bachelor of arts and bachelor of science programs. Lynn and Gigi’s involvement has resulted in several publications. This project began in 1997 and is expected to continue through 2003.

North Cascades Institute (NCI)

A new M.Ed. residency program was launched last summer with an enrollment of ten students. Huxley faculty, John Miles, Gene Myers, and Wendy Walker, initiated the program. They were joined in their efforts by NCI staff Saul Weisberg, Don Burgess and Tracie Johannessen (Huxley M.Ed.). The program involves academic work at Western and a three-quarter residency at the North Cascades Environmental Learning Center (NCELC). NCELC is operated by NCI in cooperation with the National Park Service.

Squalicum Creek Coordinated Management Team

The SCCMT’s primary goal is to protect and enhance the Whatcom County Squalicum Creek drainage as fish habitat. Leo Bodensteiner provides fish expertise and utilizes the information collected by Huxley students as independent projects and course work for the SCCMT. The management team is diverse and includes representatives from city and state government, WWU and non-political organizations.

Cherry Point Ecological Risk Assessment

Wayne Landis’ research involves an assessment of the natural resources of this area. He recently received a grant from the Washington State Department of Natural Resources to assess the herring industry. Also, Leo Bodensteiner has provided fisheries and habitat information and expertise for the past four years on various projects at Cherry Point.
Thoughts on Environmental Education  By Dr. Shumin Pan

Shumin Pan, one of four Chinese scholars who spent three months in the fall of 2000 at Huxley College, wrote the following about Huxley and Environmental Education. These are her thoughts.

For the three months in the Huxley College of Environmental Studies, and the NAAEE conference on Environmental Education, my vision was broadened. I have seen the interdisciplinary efforts in environmental education and environmental education of Huxley. Huxley is ahead of the curve in innovative interdisciplinary curriculum. The professors and the courses offered here were balanced in hard science and social science; a good combination of practice and theory. Students that major in science took courses in human aspects of environmental issues. For example, Huxley works with the Department of Journalism and the Department of Business and so on, in training students with broader specialty. Students graduate with very high environmental awareness, skills and capability. Comparatively speaking, most Chinese universities are doing similar things but China focuses more on hard science than on social science, particularly in the area of the environment. Not many social science professors have been encouraged to explore this area. The realization of this made me have more concern for the development in this aspect and work more towards this. And the visit to Huxley and the attendance to NAAEE conference made it possible for me to make connections to find sources, and become more sensitive to new developments in Environmental Education.

From what we learned from the visit, we will do our utmost to help promote Environmental Education in China and create channels for communication at home and abroad.
The Huxley Faculty continues to be diverse in their interests and research, prolific in their publications and involved with their students. We have included web sites for further information about their projects, publications and classes. Also, see http://www.ac.wwu.edu/~huxley/facstaffdirectory.html for more information about our Faculty as well as a listing of Adjunct and Affiliated Faculty.

Andy Bach
http://www.ac.wwu.edu/~andybach/
Andy Bach currently teaches Introduction to Physical Geography, Analysis of Spatial Data, Climatology, Map Reading and Interpretation, Computer Cartography, Water Resources, Geography of Soils, and Geography of Climate and Biophysical Processes. In addition, Andy helped four graduate students finish their projects in 2000-01:

Gigi Berardi
http://www.ac.wwu.edu/~gberardi/
Gigi Berardi is Huxley’s new Chair of Environmental Studies. She teaches many classes in Human Ecology, Geography, Research and Writing Methods, Natural Resources Management, Agroecology and Sustainable Development. With Lynn Robbins, she is co-coordinator of Tribal Environmental and Natural Resources Management Program (TENRM), a Huxley College and Northwest Indian College project. She’s working on a new book, Unforgiving Geographies and the Unsettling of Alaska and a new article, The Lenses of Culture, which describes cultural lens in resource management. In April 2001, she worked in the remote village of Bethel, Alaska, looking at dance and language as a form of natural resource management.

Brian L. Bingham
http://www.ac.wwu.edu/~bingham/
Brian Bingham teaches marine science courses and a graduate course in experimental design. He also administers the National Science Foundation-funded Minorities in Marine Science Undergraduate Program and co-directs the Marine and Estuarine Science graduate program (MESP). Besides his research activities, Brian pays attention to the documentation of invasive exotic species in marine systems. See his web site, http://faculty.washington.edu/cemills/PSX.html for additional survey results. He also focuses on national efforts to increase participation by minorities in the marine sciences. In June 2001, he took 8 undergraduate students to a conference of the American Society of Limnology and Oceanography in Copenhagen, Denmark.

Leo Bodensteiner
http://www.ac.wwu.edu/~leobode/
Leo Bodensteiner teaches courses in environmental pollution, fundamentals of ecology, limnology, stream ecology and environmental...
Faculty News cont.

Patrick Buckley
http://www.ac.wwu.edu/~patrick/
Courses taught by Pat include human geography, natural resources management, geographic information systems, planning process, transportation planning, third world, and world affairs. His research interests are economic geography and regional

Scott Brennan
http://www.ac.wwu.edu/~enviro/
Scott Brennan teaches Environment and Resource Policy and Environmental Journalism courses. He also is faculty advisor to The Planet, the student run quarterly magazine and Ecotones, the weekly student newsletter. This past year Scott served as an advisor to incoming freshmen during Summerstart and throughout the 2001-02 academic year. He also is a frequent guest lecturer in the environmental studies component of WWU’s Asia University America Program (AUAP) program. This program includes student and faculty exchange programs, English language training and an environmental studies course. Scott participated in WWU’s interdisciplinary FIGs, classes from different departments and/or colleges that are linked by a theme.

Students participate in summer advising 2001.

Professor Emeritus from University of Illinois at Urbana-Champaign. His courses include environmental sociology and social impact assessment. He has written numerous scholarly articles and papers on natural resource and environmental issues, needs assessment surveys, the use of public involvement in resource decision-making processes, the social and economic impacts of development projects, and the siting of hazardous and conventional waste facilities.

Devon Ancilla
http://www.ac.wwu.edu/~cancilla/
Devon Ancilla teaches courses in environmental toxicology, environmental chemistry, and environmental disturbances. Devon’s projects include development of a University Integrated Laboratory Network (ILN). Funds obtained from Western’s Student Technology fee program allowed the development of this concept. The plan is to develop remote laboratories that will allow high schools, researchers and other colleges to use Western’s equipment. He also continues his research on the de-icing of aircraft and received these two related grants: 1) “Groundwater Antidegradation Study Related to Aircraft De-icer Usage at Fairchild Air Force Base” funded by the Fairchild Air Force Base and 2) “Aircraft Deicing Waste Treatment Demonstration”. Quote from Ancilla: “I’m not poisonous”.

Winter 2002
John T. (Jack) Hardy  
**http://www.ac.wwu.edu/~spmc/jack.htm**  
Jack is currently Chair of the Environmental Sciences Department. He teaches courses and directs student research in the areas of environmental science, aquatic toxicology and global environmental change. In October 2001 he attended the International Workshop on Research Priorities for Caribbean Coral Reefs, sponsored by NCORE and the University of Miami. He supervises several graduate students on research projects involving the application of remote sensing to the study of coral reefs and several senior internships, including one student conducting research on coral reefs in Thailand. He continues his work on a new book *Greenhouse Warming: Causes, Effects and Solutions.*

Peter Homann  
**http://www.ac.wwu.edu/~homann/**  
Peter’s courses include terrestrial biogeochemistry, environmental systems, water quality, biostatistics, and soil processes. His research is focused on 1) quantifying soil organic matter at local and regional scales, evaluation of controlling factors, and assessment of uncertainty, 2) nutrient and carbon cycling in forest ecosystems, and 3) modeling plant-soil interactions at seedling to foreststand scales. Peter recently completed a three-year term as Associate Editor of Soil Science Society of America Journal, a peer-reviewed journal covering soil microbiology, soil physics, soil conservation, and soil genesis. His research and new projects consist of synthesis of soil information for Long-term Ecosystem Productivity (LTER) Integrated Research Sites (IRS).

Wayne Landis  
**http://www.ac.wwu.edu/~ietc/landis_bio.html**  
Along with his faculty duties, Wayne is the Director of the Institute of Environmental Toxicology and Chemistry. He teaches courses in environmental toxicology and risk assessment. His current research is in developing new methods in toxicology, evaluating multi-species toxicity tests, and describing how ecosystems respond to stressors.

Robin Matthews  
**http://nostoc.ietc.wwu.edu/~rmathews/robin.html**  
Robin is the Director, Institute for Watershed Studies and teaches stream ecology, environmental pollution, aquatic and environmental toxicology, limnology, and statistical ecology. Her research interests include freshwater ecology and aquatic toxicology. She was an invited speaker/presenter at the Washington Lake Protection Association’s Annual Meeting, the Lake Whatcom Information Fair, the Globe Conference and the Ecology Nonpoint Conference. Her research projects include Lake Whatcom watershed and Abbotsford/Sumas ground water monitoring programs in collaboration with Robert Mitchell (Geology) and Geoffrey Matthews (Computer Science). Additional funded research involved collaboration with Brian Bingham for the Bellingham Bay habitat restoration project.

John McLaughlin  
**http://www.ac.wwu.edu/~jmcll/**  
John teaches courses in fundamentals of ecology, population biology, conservation of biological diversity, field methods in vertebrate ecology, and biostatistical analysis. Research interests include habitat relationships of birds and carnivores, effects of forest management on wildlife, population dynamics, and predator-prey interactions. He was an invited presenter (along with Leo Bodenstein) on “Regional risk assessment: The relative risk model”, Aquatic Habitat Assessment Workshop for Salmon Recovery Planning, National Marine Fisheries Service, Portland, OR, November 2000. His research projects include studying the dynamics and extinction risk in populations of the Bay checkerspot butterfly (Euphydryas editha bayensis). Also, research in the areas of 1) Avian Distributions and Habitat Relationships in the North Cascades and 2) the Grizzly Bear Habitat Evaluation in the North Cascades Recovery Zone. An interdisciplinary research project combines Wayne Landis and John’s approach to measure and forecast “Quantifying and Predicting Ecological Sustainability”, that is, sustainable management of ecological systems.

Jean Melious  
**http://www.ac.wwu.edu/~jmelious/**  
Jean Melious teaches courses in environmental and land use law, environmental dispute resolution, international environmental policy, and Canadian environmental policy. During the past year, Jean’s article entitled “Enforcing the
Endangered Species Act Against the States” was published by William and Mary Environmental Law & Policy Review, March 2001. A paper entitled “Interdisciplinary Problem-Based Learning: Linking Environmental Policy and Environmental Science,” written with Devon Cancilla (Huxley, Environmental Science), was selected as one of the best papers submitted to the 13th International Conference on College Teaching and Learning and will be presented at the conference in April, 2002. Professor Melious is the Editor of the American Planning Association (APA) Planning and Law Division’s newsletter. She organized and was a speaker in the Planning and Law Division’s session, entitled “Sprawl, Science, and the Law”, at the APA’s National Conference in New Orleans last March (2001).

Gene Myers
http://www.ac.wwu.edu/~gmyers/
Gene’s courses include social science and humanistic perspectives on the environment, environmental history and ethics, environmental education, community-based change, and educational research. Research interests include conservation psychology, development of environmental responsibility, human-animal interaction, and history, philosophy and methods of social science. Gene organized a series of sessions on the theme of “Conservation Psychology” at the 8th International Symposium on Society and Natural Resources, and has been involved in discussions about this emerging field. He maintains the central web site for this topic at http://www.ac.wwu.edu/~gmyers/cp/ . He was nominated for the Distinguished Scholar Award by the International Association of Human-Animal Interaction Organization, awarded every three years.

John Miles
http://www.ac.wwu.edu/~jmiles/
John teaches courses in conservation history, environmental ethics, nature writing, and experiential and environmental education. John’s current research interests are in wilderness education and wilderness management, national park and forest policy, and the history and natural resources of the North Cascades region. He was selected as the “Fellow in Environmental History” for 2001-2002, by the Denver Public Library, which provides a financial award to help with research expenses.

Debnath Mookherjee
http://www.ac.wwu.edu/~mookhd/
Debnath teaches courses in systematic and regional fields of geography including urban and economic geography, regional development, spatial analysis of environmental problems, the developing world and Asian geography. Professional activities include research publications and presentations at national and international professional associations and organizations. This past year, Deb has advised graduate student thesis research. His current research focus include comparative urbanization, regional development and growth management. His primary research projects have been the Differential Urbanization in Developing Countries and the Growth Dynamics in Metropolitan Environ-

Huxley College welcomes Dr. Medler, a physical geographer with interests in landscape ecology, biogeography and the policy dynamics of natural resource management as its newest faculty member. Prior to coming to Huxley, Dr. Medler taught for the Rutgers Department of Geography at Rutgers University. He also taught at the University of Oregon and the University of Arizona. He applies integrative and analytical geographic approaches to ecosystem-scale management questions working with tools such as GIS, remote sensing and spatial analysis. His efforts center on developing techniques that use remote sensing, GIS, and advanced visualization techniques to simplify the mapping and interpretation of complex biophysical characteristics such as forest fire, fire hazard, or habitat. He also examines wilderness and wildland management issues and resource policy. Dr. Medler received a Ph.D. in Geography from the University of Arizona in 1997, an MS in Environmental Studies in 1990, and a BS in Philosophy in 1985 from the University of Oregon.
Huxley College of the Environment

**Faculty News cont.**

John Rybczyk

http://www.ac.wwu.edu/~rybczyj2/

John teaches courses in wetland ecology, wastewater treatment wetlands, environmental systems, and environmental disturbances. Wetlands courses he’s teaching in 2001-2002 include the Estuarine Ecology (Fall Quarter at Shannon Point Marine Lab), Wetlands Management (Winter Quarter), Wetland Ecology (Spring Quarter). Research interests include global warming, sea level rise and coastal wetland sustainability; ecological modeling; Wetland wastewater treatment systems and Riparian wetland restoration.

**Lynn Robbins**

Lynn teaches courses in human ecology, social impact assessment, environmental impact assessment and U.S. and international environmental policy. His research interests include 1) the social impact of energy resources and recreational development of Native American and Eskimo tribes and bands and the California fishers, 2) most recently, the subsistence of hunting and fishing in Alaska’s Bristol Bay, the effects of the Exxon Valdez oil spill on Kenai, Alaska, and 3) cultural resource management on the White Salmon and Klickitat Rivers in Washington.

Donald T. Singh-Cundy

Donald teaches courses in public opinion and environmental issues, application of survey methods to environmental issues, and analysis of survey data. Research interests include public opinion and environmental/wildlife issues and the role of the media in shaping public opinion.

**Bill Summers**

Bill teaches courses in oceanography, ecological systems, marine ecology, fisheries, coastal management, pelagic ecology, and environmental impact assessment. His research interests are population ecology and the cultivation of squid, artificial reef ecology, surface and interstitial communities, and the utilization of coastal resources. His work with students involves field study, laboratory orientation, quantitative methods, and the scientific approach to environmental standards. Bill’s research includes studies of sepiolid squid distribution near-shore with two graduate students.

**Tom Terich**

http://www.ac.wwu.edu/~taterich/

Tom teaches courses in physical geography, geomorphology, land resources management and planning. His research interests include coastal processes and coastal zone management as well as natural hazards. Tom says he has too many interests to mention here so we leave it to you to guess from the rest of this what they are. This past year, he has been involved with researching Washington State coastal issues and the economic and social impact of landslides. Tom is currently on the spring 2002 voyage of Semester at Sea, which is accredited through the University of Pittsburgh. He also received a $4,000 research grant for a graduate student to work on Coastal...
Zone Management in Padilla Bay. He co-authored "Temporal and Spatial Patterns of Seawall Installation" for the Journal of Coastal Research and "The Socio-Economic Effects of the Carylon Beach Landslide, Thurston Co. Washington".

**Wendy Walker**

Wendy teaches courses in environmental education, interpretation, curriculum and outdoor education. Wendy divides her time between Huxley College and consulting work in interpretive writing, exhibit development and planning. Interests include developing environmental education programs for youth-at-risk, agricultural land preservation, creative writing and the arts. She says, "Spring block field experience in environmental education continues, this was my ninth year. We returned to Horseshoe Basin in the Pasayten Wilderness for an astonishing 10-day trip that offered the challenge of seven days of falling snow. On day three you could not pay me enough to be out there as I was sick. And by day seven I marveled that I could get paid for this."

**David Wallin**

http://www.ac.wwu.edu/~wallin/

David teaches courses in fundamentals of ecology, terrestrial ecology, landscape ecology, and use of remote sensing in ecology. His research interests focus on the regional-scale study of land-use effects on the structure and function of forest ecosystems. His work is heavily dependent on the use of simulation models and satellite remote sensing. David's recent studies have used satellite data to evaluate the consequences of forest change on vertebrate diversity and the regional carbon budget. One of Wallin's graduate students, Natasha Antonova, completed her master's thesis this past fall. They hope to publish two papers based on her thesis work. Natasha has recently accepted a position with North Cascades National Park as a GIS Analyst. Wallin plans a number of publications based on his recent involvement with modeling that examines the influence of timber harvesting on the carbon budget of PNW forests.

**Herbert H. (Bert) Webber**

Bert teaches courses in marine science, ecosystem management and restoration and bio-statistical analysis. His research interests include assessment inventory and valuation of estuarine habitats; marine and estuarine water quality problems; and the life cycle, reproductive cycle, and habitat requirements of Pandalid shrimp. He also works with the Environment and Policy Institute of the East-West Center, Honolulu, on environmental impact assessment and management of development projects in the coastal zones of developing countries.

**Nicholas Zaferatos**

http://www.ac.wwu.edu/~zaferan/

Nick's courses include urban and environmental planning, sustainable community development, planning theory and methods, environmental policy, and Native American natural resources policy. His research interests include growth management, community development, inter-governmental relations, and Native American community and economic development and federal Indian environmental policy. Nick has spent much of 2001 and 2002, planning and organizing the ISOMUL conference to be held at Huxley in June, 2002. See the article on page one for details or http://www.ac.wwu.edu/~huxley/ISOMUL/
In her fourth year at Western, Katie Frankhauser grew up 10 miles outside of Spokane, WA, aspiring to become a small animal vet. Katie’s parents were raised on mid-west farms, contributing to her interest in sustainable agriculture, something she hopes to learn more about through her studies. In high school, besides playing the oboe, Katie’s interests in Biology bloomed. But during her junior and senior years she realized “we were in a huge environmental crisis”. It made sense to combine her growing passion for the environment and her love of music. When hunting for the perfect college, Katie wanted a good environmental studies department as well as a strong music program. Western provided the balance.

Now, Katie lives with eight other students in a great big house just off the Western campus. Most of these students have been roommates for three years. With similar busy schedules it’s difficult for them to all sit down for a meal. So they strive to create and consume at least their Sunday night dinner together. Since everyone loves cooking, a bonus to the communal life of a student, there is usually 4 or 5 in the kitchen at any given meal.

Katie wakes up each morning saying to herself, “...This bed’s really comfortable, I really don’t want to get up”. She says she stays up “far too late” to get up willingly the next morning. But that’s life as a student - a schedule full of classes, work study, music, and a house full of people.

Katie heads to campus each morning ready to attend classes. Fall quarter she finished her last GUR, Anthropology 201. Her other courses included Environmental Politics, Bio Statistics and Topics in Environmental Studies. Usually, she spends one to five hours a day studying, depending on how crucial sleep is and whether or not she has a rehearsal or concert (she’s a music minor and plays oboe). Actual study time can take 10 hours a day if she has papers due. Her oboe demands daily practices of an hour, plus rehearsals, concerts, and the occasional oboe lesson. She packs her lunch but depends on lots of Viking Union “MicroWraps” to take her through the long hours.

In between classes, music and studying, Katie enjoys spending time as co-leader and founder of the WWU’s chapter of Restoring Eden, an environmental association (formerly part of Target Earth). She also participates as a member of the Western Environmental Watch. W EW sponsors the “Paper Cup Display” each fall. Katie says its “oddly fun” as the students retrieve discarded paper cups and string them all over Red Square between Humanities, the Library, Bond and Miller Halls. At the same time, the students distribute gift certificates for coffee and rewards for using recycle mugs. Katie also participates in the Peace Resource Center, an Associated Student Center group for learning about peace related issues on campus and in the world and how to address them.

Katie spends the “remaining” 10 hours a week working as a student assistant for Nancy Bonnickson and Brad Smith. During the spring and fall, she works in the Huxley garden with Nancy. Another project has been to assist Brian Bingham with an ongoing shell identification project. In the evenings, Katie tries to hear as many of the speakers invited to Western as possible.
Katie will complete her course work in the fall of 2002. But she’s not finished yet. To fulfill her senior requirement, she plans to study in Belize with the Global Stewardship Study Program (GSSP) during the 2002 winter and 2003 spring quarters. The GSSP, run by TargetEarth, supports a school located at Jaguar Creek, in the middle of the Belize jungle. She also plans to complete an internship after graduation as well, but within the States. To Katie, the important thing about college is “I enjoy learning because I always feel I don’t know enough. Attending Huxley provides the foundation and direction.”

Katie is not sure what she will do after graduation. She’s attracted to volunteering and she hopes an internship will help decide her path. But Katie’s passion for the environment will take her a long way.

### Lenny Dixon - A Typical Student?

We’ll Let You Decide

By Leigh Ann Giles

I telephoned the Lummi Planning Department yesterday. That’s where Leonard (Lenny) Dixon works his 40-hour week as a Land Use Planner. But that’s only part of this man’s busy life. He is also a full time Huxley student, has a family, serves on numerous committee and task forces, and has committed himself to his passion for tribal rights and Indian Land Use Policymaking.

Born in San Diego, California where his dad served in the United States Marine Corps, Lenny attended 47 different schools prior to his completion of the eighth grade, and five high schools before receiving his High School Diploma. He primarily grew up between California’s Central Valley and the Lummi Indian Reservation. His mom is a full blood Lummi Indian and his dad is a non-Indian, requiring Lenny to “walk in both cultures.” Lenny also attended Central Elementary and Vista Middle School in Ferndale, Washington and graduated in 1987 from Ferndale High School. Lenny is the first in his immediate and extended family to receive a formal education.

**How did he get to Huxley?**

Lenny, a returning student, attended the Northwest Indian College (NWIC) from 1998-2000, graduating with honors and Phi Beta Kappa. He served as student council president and was nominated and elected to Who’s Who Among American Junior Colleges. These awards are based on faculty assessment of student’s campus leadership abilities, academic achievement and community service endeavors. He also was a member of NWIC’s Strategic Planning Committee, which strives to prepare the NWIC for expansion into a 4-year institution, an ongoing goal.

September 2000, Lenny began classes at Huxley with the intention of ultimately obtaining an MS in Geography. Numerous scholarships take care of his school fees. While a junior, he served on the Huxley Bylaws Committee and the Huxley Policy Committee. In addition, he maintains his ties with the Lummi Reservation by serving on the Lummi Planning Commission, the Lummi Constitution Committee and the...
Lummi Budget Committee, which recently balanced a $41 million budget. Lenny also is a member of the Whatcom County Human Rights Committee. He serves on the National Planning Committee at Harvard as the planning executive where he sets agendas and plans meetings. Lenny also finds time to coach his stepson's 4th Grade Basketball Team.

In October of last year, Lenny presented at the Harvard Project on American Indian Economic Development. Lenny attended the initial Tribal Constitution Reform Symposium as an observer in April 2001 and was invited back as a participant and presenter at the First Executive Session held October 2001. Following his presentation, Lenny was asked to participate as a member of Harvard's Tribal Constitutional Reform Executive Session Planning Committee, and is currently writing two papers on Tribal Constitutional Reform which are to be published on Harvard's website.

While attending Huxley, Lenny continues to support NWIC as an Alumni, is a member of the UCLA / NWIC Legal Studies Advisory Committee, Chair of the Tribal Colleges and University Program (TCUP) Advisory Committee, providing guidance in the administration of a $2.3 million grant. Lenny is also a member of the Lummi Technology and Telecommunications Committee, which works closely with NWIC to address the technology and telecommunications infrastructure needs of the Lummi Nation.

To manage all of these activities, it seems only appropriate that Lenny has chosen his life's work to include "Planning". He admits he is a "good organizer". I would say he would have to be as I have not yet finished listing all of Lenny's activities. For example, somehow he fits in the Lummi Tribal Tax Task Force, the American Legion Post 33 (he is second Vice Commander and on the color guard and honor guard for military burials). He hopes to be relieved of these latter duties in the near future. He also coaches Native youth, between the ages of 5 and 15, with War Canoes. When practicing or competing, the youth canoe pullers are called "Buckskins". Lenny trains them to handle the single, double, six and eleven person canoes, each carved from a single cedar tree. The "Buckskins" learn how to "pull" these very fast and tippy canoes. It takes a team to handle the larger canoes, to keep them steady, balanced, synchronized and on a straight path. Lenny says that the canoe is an important part of their Coast Salish heritage but its more than that. The teachings surrounding the War Canoes are the same teachings handed down to each generation over thousands of years. Although highly competitive, it is the teachings that distinguish Canoe Pulling as being not just a sport.

Lenny, a Huxley undergraduate, is applying to Harvard, MIT and UCLA graduate schools. I don't think Lenny is a typical student. I do think Lenny is an inspiration to us all. Lenny says he is proud to be tobacco, alcohol and drug free. He has achieved his goals of providing a positive role model for Native American youth while actively participating in the ongoing Tribal Planning and Environmental Policy debates. When Lenny graduates this Spring with a Bachelor of Arts in Planning and Environmental Policy, he will also have three years experience in Environmental Planning. We will be following your career with great interest Lenny. Good Luck !!
Janet Collins
jcollins@wwu.edu

Map Librarian for 25 years. Janet has an undergraduate degree in Geography and a Master’s in Library Science from the University of Arizona. This year’s projects include an analysis from a survey of 50 comparable map collections in the U.S., web development of collection holdings via maplib database, and ongoing retrospective conversion of catalog cards to the database. Janet is currently the co-chair of the Cartographic Users Advisory Council (CUAC), which represents six national and regional library organizations dedicated to cartographic interests. CUAC issues addressed include: the continuation of free access to government information, archiving of digital data, copyright issues, and the impact of CRADA’s (Cooperative Research and Development Agreements) on Map Libraries and the Federal Depository Library Program. She continues to enjoy backpacking, river running and time spent in northern Arizona. Travel this year included trips to Costa Rica and China.

Stefan Freelan
stefan@wwu.edu

GIS Specialist. Born in the beautiful state of Iowa (“Gateway to Nebraska”), Stefan arrived in Bellingham in 1972, and hasn’t been able to leave since. He received a Liberal Arts BA (with a focus in Environmental Ethics) from WWU in 1987, a degree he promptly put to use via gainful employment as a carpenter. His construction career culminated in a position as a construction consultant, instructing large crews of community volunteers in the construction of playgrounds across the United States. After six years of travel and skill saws, he finally returned to Western for his graduate studies (in Geography). His academic focus was in GIS applications, specifically the inclusion of time and the temporal dimension into standard GIS databases, which are fundamentally two-dimensional (atemporal). Professionally, Stefan has worked with the GIS staff of both the Whatcom County and the City of Bellingham Planning Departments, as well as with TerraLogic GIS, a private GIS consulting firm.
specializing in spatial analysis and cartography. He joined Huxley College as GIS Specialist in September of 2001, providing faculty and students with GIS and GPS support (which includes anything from GIS tech support, to cartographic production for faculty projects to guest lecturing of classes) as well as assisting with the maintenance of the Spatial Analysis Lab. He and his lovely (and talented) wife Jennifer are the proud (and tired) parents of a ten-month old son, Miles. Consequently, they don’t get out quite as much as they used to, but enjoy biking, hiking and sailing when they can.

**Gene Hoerauf**
geneh@cc.wwu.edu
Spatial Analysis Lab Manager and GIS Specialist. Long time keeper of order and disorder in the Amtzen basement (about 26 of his 31 campus years), Gene continues to find interest in his work and in the students, staff and faculty. Beginning as a pen-and-ink-on-mylar cartographer and now working almost entirely in a digital world, he now spends most of his time enabling others to get their spatial data and their skills working together to get assignments and projects out as well done products. In addition to working with the campus folks, Gene is active at local, regional and state levels with others interested in and using GIS technology in their daily work. A local group of GIS folks meets once a month for a 7am breakfast in Old Town; four times a year a much larger group from the area between Everett and the Canadian border meets for a three-hour exchange of ideas and information about GIS applications and data; and six times a year he sits in on a state-wide teleconference of the Washington State Geographic Information Council to see what is happening at the state level and beyond. These various meetings give Gene a chance to get out of the basement and to see some daylight, as well as providing a way to keep himself and Western in touch with the broader GIS community.

**Kathy Johnson**
Kathy.Johnson@wwu.edu
Undergraduate Advisor. Kathy has been the Undergraduate Advisor, web master and student event organizer at Huxley for two years. She loves working with students and feels her job is more like play than work as she spends the day talking with students and helping them through the maze. This past year Kathy improved Huxley’s web site by adding an advising page to the student file system and entering Plans of Study on a computer worksheet. She has contributed to changes in the Core requirements scheduled to take effect fall 2002. Kathy says “The curriculum committee and all of the college, spent hours working on the best changes possible for the student experience.” Kathy completed a BA in Architecture at the UW in 1988 and was the Program Coordinator for the ISSRM Conference in June of 2000.

**Teresa Lafreniere**
Teresa.Lafreniere@wwu.edu
Now here’s a woman who may not need an introduction. She has worked for Western for 36 years now, the past ten years have been among the most rewarding as Assistant to the Dean at Huxley. She has also worked in the Dean of Students Office, Student Affairs, and in Art and Sciences in the Sociology and Anthropology departments, where she also served as undergraduate advisor. She re-
Huxley College of the Environment

Winter 2002

Huxley Staff News cont.

received her Bachelor of Arts degree in Sociology in 1995. She has served on Western’s Banner Focus Group for the past six years and is currently an Academic Affairs Representative to the Exempt Staff Professional Organization at Western. At Huxley, she has served on the Policy Committee and ad hoc Bylaws Amendment Committee. Whew! She’s been busy, but wait, there’s more. She has also recently completed her Master’s degree in Education. On a personal note, she enjoys sharing creative ideas with her daughters, traveling and attending family sporting and social events.

April Markiewicz
April.Markiewicz@wwu.edu
Assistant Director, Institute of Environmental Toxicology. April is the Research Technologist Supervisor for the Institute of Environmental Toxicology and Chemistry. She assists graduate students with experimental designs for their thesis projects, arranges their use of research facilities and equipment, and critiques drafts of their theses when asked. Her research and related activity contributions are extensive. For the last year and half, April has been researching the decline of the Pacific herring stock that spawns at Cherry Point as part of a grant funded research project for the WA Department of Natural Resources. She co-authored the report “Regional Risk Assessment for the Cherry Point Herring Stock” and was lead author on the second report on phase II. April is Vice President of the Pacific Northwest Society of Environmental Toxicology & Chemistry and will be President in January 2002. She has attended most of the annual Society of Environmental Toxicology & Chemistry North America spring meetings and presented the “Regional risk assessment of a marine habitat: Cherry Point, Washington” in November 2001. April served as President of Western’s Staff Employees Council for the last 5 years and was appointed by Governor Gary Locke to serve as Westerns representative to the Governor’s Inter-Agency Committee for State Employed Women at Western Washington University. She received her BS in Fisheries and Wildlife from Michigan State University and her MS in Environmental Science/Aquatic Toxicology from Huxley.

Mary Moore
Mary.Moore@wwu.edu
Huxley’s Registrar (as of fall 2001), Mary assists students with interpreting the rules for both WWU and Huxley graduation requirements. She strives for good communication with both students and faculty. Brad Smith who said that the aim of Huxley staff is “to help students get into Huxley, graduate from Huxley, and put the right stuff in the middle”. Mary planned and coordinated the 2001 Huxley Commencement Ceremony. The unique characteristics of a Huxley commencement include faculty and staff advisors handing out certificates to their advisees personally and each graduate receiving a tree sapling. As a member of the Community Affairs Committee, Mary also helps to coordinate the annual Internship/Career Fair for Huxley students. Mary says, “Working with the students and helping them reach their goals is extremely rewarding.” She notes that the feeling of community between faculty, staff and students makes Huxley unique and “wonderful”. Mary has a BA in Journalism from the University of Missouri-Columbia, the world’s first journalism school.

Donna Vandergriff
Donna.Vandergriff@wwu.edu
Office Manager for the Institute of Environmental Toxicology. Donna has worked at WWU for 6 years in the Counseling, Health and Wellness Services, Prevention and Wellness Services and Science Education departments. For the past year, she has been the Office Manger for the Institute of Environmental Toxicology. She has served on the Staff Employees Council (2001-2003), the University Planning Committee (2001-2003), and the Huxley By-Laws Committee (2001). In April 2001 she attended the Pacific Northwest Chapter, Society of Environmental Toxicology and Chemistry Conference (PNW-SETAC). Donna has a BA in Applied Sociology from WWU, an AA from Fort Steilacoom Community College and an Account Certificate from Cloverpark Vocational College. She says the most rewarding aspect of working at Huxley College is “Participating in Western and Huxley’s educational mission. Interacting with students and colleagues is a great pleasure!” And her advice to students: “Follow your passions, the rest will fall into place!”

If your name does not appear on this list or if your information is out of date, please fill out the Alumni Reply Form at the end of this newsletter and send it to us in the enclosed envelope. Or email us at HuxNews@cc.wwu.edu. We promise we’ll print it in the next newsletter. This alumni information was gathered from your Alumni reply forms and from the Reunion questionnaire. That means some of the info is out of date. The date in parenthesis is the date your information was received. If there is no date, the information is very recent. THANKS - Huxley Horizon Staff.

Graduated 1990s

Shawn Alexander. Policy and Assessment, 1996. Upon acceptance to the Bar, he will begin a solo practice accepting cases in land-use, real estate and environmental law on Orcas Island, Washington with a satellite office in Bellingham.


Christi Amrine. Planning, 1993. She is currently a Planner for the City of Sultan.

Chris Behee. (1999). Geography, 1990. He is a GIS Analyst with the City of Bellingham Planning and Community Development Department.


Cindy Carroll. (1999) Env. Science, 1996. She is an instructor at SeaWorld San Antonio, which means...
she teaches kids from “5 to 90 years old” about Whales, Dolphins, Sharks and Marine Ecology.


Kristen Clapper. (1/2000) Env. Education, 1998. As of January 2000, she was working as a Program Coordinator at the Pacific Science Center’s Mercer Slough Environmental Education Center in Bellevue, WA. “I'm interested in contacting other “spring blockers” from spring 1998.”


Amber Cornell. (10/1999) Env. Science and Spanish minor, 1998. As of October, 1999, she was the Outreach Coordinator for Adopt a Beach.


Sam Cushman. MS in Env. Science, 1997. In March, 2000, Sam was just returning from Nepal. Not sure what’s happened since then.

Derwynn Dominguez. (7/2001) Env. Studies, 1996. He is working at the Washington State Department of Health. He would like to get in touch with former classmates who were in Env. Studies program.

Annika Fain. Env. Studies, 1997. As of 1999, she was a Masters student and a research assistant in Environmental Science and Engineering.

Susie Goett. (1999) Urban and Regional Planning, 1994. As of 1999, she was employed by The City of Redmond, WA. In June of 1999, she received a Masters in Public Administration from Seattle University.

Jeff Gregg. Urban and Regional Planning, 1993. At last look Jeff was working for Pierce County in WA. In 1999, he presented at the ESRI Northwest Users Conference in Bend, OR on Pierce County’s response to the ESA and how they use GIS/GPS to do analysis in critical areas.

Keith Jones. Urban and Regional Planning, 1996. He is currently employed as an Associate Planner for the City of Sherwood in Oregon.

Sara Kerr. (1999) Env. Science, 1998. Sara is a Research Technician for Dr. Dave Karl in Oceanography at the Univ. of Hawaii. Traveling to Antarctica in January to conduct research.


Design Program. Consultant to non-profits and government agencies to develop collaborative decision making groups.


Leslie Lang. (Leslie Ann Garrison) (1999). Since Leslie graduated in 1990 from Huxley, she has been pursuing a career in fiction writing (Leslie Ann Garrison is her pen name). Her books, the Tall Tales Murder Mysteries, set in Seattle, are publishd by Page Free Publishing. She expects to include WWU and Huxley in future stories.


Leah Mickelson. Env. Science, 1995. She is currently participating in an Environmental Health Masters Degree program at UW.

Jerry Mingo. (12/1999) 1990. A senior year internship with Whatcom County led Jerry to a job with Island County (Whidbey and Camano Islands, Western Washington) as Recycle and Hazardous Waste Coordinator.


Angela Rapp. Policy and Assessment, 1996. She is currently working as an Assistant Planner for the Town of Bedford in New Hampshire and also as an Assistant Planner for the Nashua Regional Planning Commission.


Marc Rothmeyer. (1999) Geography, 1995. As of this date he was working for the National Oceanic Atmospheric Nautical Charting/EIS in Administration.


Chad Tibbits. (http://www.metrokc.gov) Urban/Regional Planning, 1996. He is currently working for the King County Department of Development and Environmental Services as a Planner II.


Gary Wade. (7/1999) Env. Science, 1998. Gary wrote Dr. David Wallin the following in 1999: “I was just hired to run a pilot project analyzing the limiting habitat factors for salmon and steelhead in the lower Columbia River region. I will be working for the State Conservation Commission.”

Anita Wahler. Env. Studies/Biology, 1994. I work for the Division of Natural Sciences at Pacific Lutheran University as administrative associate.


Eric Wingerter. Policy and Planning, 1997. He is currently working as the National Field Director, for the Public Employees for Environmental Responsibility (Peek).


Graduated 1980s

Jessica Abel (Feld). Env. Studies, 1985. As of mid - 1999, Jessica worked for the University of Northern Colorado teaching science methods to pre-service teachers. She also does educational outreach and fundraising for Boulder County Audubon Society.

J. Alvin Arkills. (1999) Env. Studies, 1987. Graduated when he was 67 years old. He has spent considerable time volunteering for organizations such as the alumni board, Council on Aging in Snohomish County and helped set up the recycling program for Snohomish County.

Cindy Bailey (Kahn). (1999) Env. Education, 1988. As of the of 1999, Cindy was a stay at home mom (She has twins!). She has worked in Wildlife Biology and as a Tree Fruit Microbiology Lab Tech.


Theodore R. Brandt. MS in Geography and Regional Planning, 1982. He is currently employed by U.S. Geological Survey, Earth Surface Processes Team as a Cartographer / GIS Specialist in Denver, CO.


Rebecca Cummings (Wynsome). Env. Education, 1980. She is now a Physician at a Naturopathic Medicine Clinic. She graduated from medical school in 1990 and established her own specialty clinic. Her practice specialty is metabolic detoxification, natural hormone balancing and anti-aging. She is writing a book on Correcting Hormone Inbalances.


Jim Laflay. (1999). Env. Education, 1983. As of 1999, Jim worked as Environmental Education Coordinator for the State of Massachusetts at the Quabbin Reservoir. He also was State Coordinator for Project WET (Water Education for Teachers).


Kathy McLeod. Social Assessment and Policy, 1981. She is currently an Assistant Attorney General and works with the Washington State Department of Fish and Wildlife.


John P. Vodopich. Geography, Urban and Regional Planning with an extended minor in Cartography, 1987. He is employed by the City of Gig Harbor as the Director, Planning and Building Services.

Fred Abel. Geography. Fred has been in the hydraulic industry for 27 years and in marine hydraulics for 14 years. He has serviced vessels from Astoria, Oregon to Blaine, Washington.

Barbara Aberle. Wildlife, 1977. She is a biologist with the Washington State Dept. of Transportation and works mostly with wetlands.


John V. Adams. Biosystems Analysis, 1978. John has been married 17 years, raises wheat and barley, and enjoys his kids, hunting, fishing, and gardening.

James Bergsma. (1999). Geography, 1970. He is currently retired after 30 years with King County Government.


Darryl Bullington. (1999). Ecosystems Analysis, 1975. He is currently retired and volunteers time to send free books to prisoners in Texas.


Steven W. Morrison. Planning, 1974. He is a Senior Planner with Thurston Regional Planning Council in Olympia, WA. He obtained a MPA from Evergreen State College in 1985 and taught as an adjunct faculty for 7 years in their Masters of Env. Studies program.


Don Neff. (1999) City and Regional Planning, 1977. He has spent 22 years in the real estate industry covering planning, acquisitions and management.


Susan Walls McGregor. Ecosystems Analysis, 1978. After getting an MS in Fisheries Biology from the U. of Alaska and working as fisheries biologist for a couple of years, she now owns a Pet store.


Jennifer Wilkins. Env. Studies, 1978. Is a Senior Extension Associate in the Division of Nutritional Sciences at Cornell University.


Jill Zarnowitz. Env. Studies, 1976, and an MS in Wildlife Sci. from UW. As of 1999, she was a Water Policy Leader for the Oregon Dept. of Fish and Wildlife Habitat Div.

Huxley Gear

Huxley Gear Logo Designed by Huxley Alumni; Karsten Carlson

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If you would like to contribute a short article or letter to the Editor for our next newsletter, please list the topic here: ___________________________ or email it to: **huxnews@ac.wwu.edu** - We will include articles and letters as we have room.

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Fax: 360 - 650 - 2842

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