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HUXLEY HORIZON

HUXLEY COLLEGE OF ENVIRONMENTAL STUDIES ALUMNI NEWSLETTER

<http://www.ac.wvu.edu/~huxley/>

Volume 1 No.1

Spring 1998

From the Dean:

It's difficult for me to believe that it has been nearly four years since I left the Environmental Protection Agency in Washington, D.C. to move to Bellingham and become the Dean of Huxley. The years have gone mighty fast and the changes at Huxley have moved with equal speed. As you will read in this newsletter, during the past three years we have hired 11 excellent new faculty members whose skills and experience span the environmental arena.

Enrollment has held solid around the 500 number and the graduate programs are turning out first-rate environmental professionals who either secure good positions or go on for PhDs, MDs or other further study. Huxley has also expanded its linkages outside of the campus environment. Huxley now has a new partner in Russia. Far Eastern State University in Vladivostok and Huxley have begun an exchange program. Over the past year, six ecology students from Russia have studied at Huxley and one graduate student from Huxley conducted his thesis research in the Russian Far East. A major grant from Georgia-Pacific enabled five graduate students to conduct thesis research on Bellingham Bay, and another major grant from Wilder Construction Company will establish a joint faculty position with the College of Business and Economics. I believe that the linkage between environmental health and economic health is a direction in which Huxley should take a leadership role. I welcome your comments and insights regarding this initiative.

By now some of you have been contacted via phone as Huxley conducts the most in-depth survey of its alumni yet undertaken. In a nutshell, we want you to tell us what we are doing well and what needs to be changed or modified. As you well know, the environmental arena is a rapidly changing one and in order to prepare the next generation of environmental leaders it is critical that we continually keep our eye on Huxley's curriculum. As alumni and professionals your input is essential in this task. The time you take answering the interviewers' questions, I believe, will be time well spent. Don't worry, no one will ask for money!

During my time at Huxley I have had the pleasure of meeting many of you. Most recently I accompanied the Alumni Office for an alumni get-together in Juneau and Anchorage. Huxley is well represented in both those communities. In the future I hope to meet with many more of you in person. In the meantime, please let me know your thoughts on issues or ideas that you may have regarding the future of Huxley. It is our goal to publish this newsletter on a regular basis and I would welcome your input as we proceed.

Brad Smith

Editor's Note: We have exciting things happening at Huxley these days. We hope you will take a look at our web page. The URL is:

<http://www.ac.wvu.edu/~huxley/>

On the web page you will also find an alumni reply form. (In addition to the one located at the end of this newsletter. We hope you will fill it out and return to: HuxNews@ce.wvu.edu. If you have any comments or can help us improve the newsletter, please let us know. We have added a "Research News and Notes" section to give you a general idea of faculty efforts. All of the faculty are involved in research and the "Research News and Notes" is only a sample representation.

We hope you enjoy reading this!

Undergrad student Virginia Stone has developed a web page comprising an amazing list of environmentally oriented web sites. The URL is: <http://www.wvu.edu/~n9540658/huxley.html>

Upcoming Events and Conferences in Bellingham

May 7-9, 1998

Society of Environmental Toxicology – Pacific Northwest Regional Chapter is meeting in May at the Best Western Lakeway Inn. Contact Tim Hall at (360) 293-4748.

May 14-15, 1998

Dan Beard, Geography Graduate, 1966, will be on campus May 14-15 to receive a "Distinguished Alumnus Award". He will lecture in several Huxley classes during his visit.

May 27-28, 1998 (see blue insert for registration)

"Shared Waters / Shared Stewardship: Environmental Management in the Georgia Basin and Puget Sound". In the Viking Union. Sponsored by Huxley College, the Government of Canada and Western's Canadian -American Studies Program. Contact Jean Melious at (360) 650-7377 or email: jmelious@mail2.admcs.wvu.edu

On May 27-28, Huxley College and the Center for Canadian-American Studies will host *Shared Waters, Shared Stewardship: Environmental Management in the Georgia Basin-Puget Sound*. This conference will bring together U.S. and Canadian governments, tribes/First Nations, citizens' groups, university experts and private sector interests in a multifaceted discussion of the environmental problems which face our region. The conference will be held at Western Washington University, in the Viking Union and surrounding areas.

Growth and development of British Columbia's Georgia Basin and Washington State's Puget Sound have had significant effects on both the environment and economy throughout the region. Multiple layers of government, various agency jurisdictions and the lack of continuous information exchange present obstacles to effective, consistent environmental management and leads to conflict.

"While contentious issues such as salmon and water quality have received much attention, the focus of this conference is identifying and solving the problems associated with communication, coordination, and cooperation across the border with regard to all of our shared resources," explained Jean Melious, assistant professor at Huxley.

John Wirth, President of the North American Institute at Santa Fe, will begin discussions with his keynote address, "Transboundary Environmental Cooperation in North America," which will take place May 27th at 9:15 a.m. From this point, panelists from the Pacific Northwest and other regions will narrow the focus and examine both the successes and stumbling blocks encountered when multiple governments and stakeholders must collaborate in environmental management. Innovative strategies and frameworks for transboundary environmental governance will also be explored.

Representatives of province, state, and local governments, tribes and First Nations, environmental groups and industry will address leadership roles, and attempt to solve the puzzle of where interests converge, how to build bridges among stakeholders, and what gets in the way of successfully pursuing common goals.

"This conference will be an opportunity to discuss the barriers to cooperation between groups and possible opportunities to work together," said Donald Alper, director of the Center for Canadian-American Studies.

Other sessions will consider the difficulties which arise when science meets policy, with specific attention to two case studies as well as an assessment of the scientific basis for ecosystem management. Optional lunch presentations will be given on May 27th by Janine Ferretti, Interim Executive Director of the NAFTA-created Commission on Environmental Cooperation (CEC), and on May 28th by Bern Shanks,

Director of Washington State
Department of Fish and Wildlife.

Huxley faculty, students and alumni are encouraged to attend these interactive discussions. Registration is \$20 and is free for students. Optional lunch sessions, limited to space available, are \$10 each. A detailed conference program and registration form may be found on the Center for Canadian-American Studies' web site, <http://www.wvu.edu/~canam>. For more information on this event, please contact the Center at (360) 650-3728, or e-mail canam@cc.wvu.edu.

August 24-27, 1998

Dr. Ming Ho Yu is hosting the XXIInd Conference of the International Society for Fluoride Research in Bellingham. The conference is scheduled at the Best Western Lakeway Inn August 24-27, 1998. Contact Dr. Yu by phone: (360) 650-3676, fax: (360) 650-7284, email: mhyu@cc.wv.edu

June 17-22, 2000

"Transcending Boundaries: Natural Resource Management from Summit to Sea". The Eighth International Symposium on Society & Resource Management. Contact Rabel Burdge at WWU MS 9081, or (360) 650-7521 or email: burdge@cc.wvu.edu

Research News & Notes

What will the world be like in 2100 under the new climatic regime – after the climate has changed in response to greenhouse by warming? Jack

Hardy taught a course on "Effects of Global Climate Change" Winter quarter examining what we know about past climatic change, recent trends, and future climates. His research interests examine part of that question. Are coral reefs changing in response to warmer ocean temperatures? Jack is trying to develop methods for monitoring the health of coral reefs by remote sensing. His research has taken him to Hawaii, the Bahamas, and the Florida Keys.

How does soil, with its specific properties, affect how fast trees grow? How does soil change the composition of water that is en route to streams and groundwater?

Peter Homann is interested in soil and its interactions with water, climate, and especially forest vegetation. He examines how different types of vegetation influence the soil properties, which will then influence future productivity. Peter has recently been granted \$50,000 by the USDA Natural Resources Conservation Service to examine how carbon and nitrogen in soil are influenced by climate and other site characteristics. He will develop empirical relationships needed to parameterize, test, and/or constrain simulation models of soil organic matter dynamics, ecosystem dynamics, and their relation to climate change.

What was the role of the wilderness idea in National Park History? Through a tracing and examination of documents and records in the National Archives, the Library of Congress, and various parks, John Miles is in early stages of his next research project. In addition, he is working on a case study for a book on National Parks and Rural Development – Pacific Northwest Parks. John will focus on the issue of whether or not National Parks have impacted the region around them. John is also in the final stages of revising his 1990 anthology on adventure education.

How do winter conditions affect fish behavior and physiology? One of Leo Bodensteiner's research projects in the midwestern U.S. examines climatic factors including variability, duration, degree extremes, ice cover, and other factors such as depth of water and flow(current) and the effects of those factors on fish health. In a related project in the Midwest, he is studying reedgrass in wetland environments. Using aerial photographs to study changes over time, he has been able to measure stand size and compare with records. He has found that a decline in reedgrass is associated with winter conditions and that water levels seem to be significant causes associated with the decline.

Is it possible to use satellite imagery for mapping potential habitat for various forest birds? David Wallin has been using satellite imagery to examine forest composition and structure in order to map the distribution and abundance of potential habitat for forest birds. His research has focused on the Cascades in central Oregon and the Coast Range in Oregon looking systematically at both public and private lands. Using satellite archives back to 1972, David has been examining a couple of dozen bird species. The process has enabled him to document changes in the amount and distribution of potential habitat for each of these species. He has demonstrated that it is possible to use satellite imagery for many, but not all of the species with a high degree of accuracy and that it is possible to study land use changes over time. His research will eventually move northward into Washington State.

What are the causes and consequences of coastal erosion along the Washington Coast? Tom Terich has been working with the State Department of Ecology on a Southwest Washington Coastal Erosion Study. The past few years have seen beach erosion "hot spots" develop along the Washington Coast between the Columbia River and Grays Harbor. Tom and Brian Bender (graduate student) are studying

the geological evolution of the coast just north of Willapa Bay in an area called Cape Shoalwater. Erosion has been a sustained problem for several decades threatening State Highway 105 and nearby cranberry fields. They have been using ground penetrating radar, a relatively new technique, to study the coastal stratigraphy. Analysis of the stratigraphy will reveal if this region has experienced similar periods of erosion in the geologic past or if the erosion at this site is a relatively recent phenomenon.

How do habitat characteristics affect population dynamics? John McLaughlin has several research projects underway. One study has focused on the checkerspot butterfly population in northern California. In this study, John determined first their location and then examined what characteristics about their habitat features or landscape are necessary to maintain populations. He found that topographic diversity buffers populations from climate and reduces the risk of extinction. On a different project, John has been working with student volunteers to conduct carnivore surveys in the North Cascades, mostly in the National Forests. Due to our weather this year, the survey techniques haven't worked well but John is looking forward to

better snow conditions next winter.

What are the human population pressures on the natural systems of the San Juan Islands? Bert Webber notes that over three million people are living within easy access (at a short distance) of the San Juan Islands. His research focuses on the impacts of use and whether natural resources are at risk.

What effect does logging have on the rehab of salvage logged burned areas? Tony Basabe has recently completed a three-year study on a site in Eastern Washington that had burned as a result of lightning and then salvage logged. Six senior projects were completed by students as part of the study that monitored the salvage logging process. They were seeking answers to questions including whether erosion occurred from the salvage process, and whether there was nutrient loss. Tony is now writing the final report.

What are the origins and present day environmental problems of dozens of small villages that persist in remote areas of Alaska where there are few opportunities for economic development? Gigi Berardi has been researching several threads of this story since her arrival as a faculty member at Huxley in 1995. Her research has included looking at

the role that early schools played in consolidating Alaska Native populations into permanent villages, in places where formerly only seasonal, smaller settlements existed. As missionaries and the Federal education agency moved into rural Alaska, especially in the last century, people concentrated around schools, medical services, and trading centers. Many of these sites were well suited to earlier seasonal subsistence hunting and fishing – often near rivers or in wetlands. However, they proved to be difficult places for sewage and waste disposal and clean water supplies for a growing population. Gigi also has followed the continuing role of schools in providing sanitation services in some of those villages.

New Books of Interest

Landis, Wayne and Yu, Ming-Ho. *Introduction to Environmental Toxicology, Impacts of Chemicals upon Ecological Systems*. New York: Lewis Publishers, 1994. (2nd edition in press).

Miles, John. *Guardians of the Parks*. Washington DC: National Parks and Conservation Service, 1996.

Miles, John. *Impressions of the North Cascades*. Seattle: The Mountaineers, 1997.

Myers, O. Eugene. *Children and Animals: Social Development and our*

connections to other Species. Boulder, CO: Westview Press, 1998.

Smith, Brad. *Environmental Science: The Study of Interrelationships*. 6th ed. NY: McGraw-Hill, 1998.

Walker, Wendy. Chapter in *Whatcom Places*. Bellingham: Whatcom Land Trust, 1997.

Still Available from the Map Library:

Critchfield, Howard J. *Pacific Northwest: Essays in Honor of James W. Scott*. Bellingham: Western Washington University, 1993.

Faculty / Staff Notes

Monica Aebly joined us in 1996 as the undergraduate advisor and is also the Huxley Webmaster.

Andy Bach joined us in 1995 and is enjoying enlightening new students about geography. He will lead a field trip through eastern Washington as part of the spring quarter "Water Resources" class. He is currently working on a book about "Maps and Map Reading".

Tony Basabe is one of our adjunct non-tenure track faculty. He is busy teaching classes on Air Pollution, and Environmental systems and particularly enjoys connecting

students with internships in agencies.

Gigi Berardi joined us in 1995 and not only teaches Human Geography, The Developing World, Geography of Africa and others, but also has coordinated Geography Awareness Week for the last three years. She is also the advisor and sponsor for the WWU chapter of the national geography honorary society, Gamma Theta Upsilon (GTU).

Brian Bingham also joined us in 1995 and spends most of his time teaching the ecology of marine invertebrates and other courses at Shannon Point (WWU's marine facility in Anacortes).

Leo Bodensteiner who joined us in 1995 is teaching Limnology, Stream Ecology, and the Environmental Biology of Fishes. His courses include many field projects.

Shawn Boeser joined us in September as a GIS Technician and is working with Huxley and Geology faculty and students.

Andy Boyce is working as a Research Analyst for various faculty grants and working on finishing his Master's in Watershed Studies. His interests include the use of GIS, Remote Sensing, and Spatial Pattern Analysis to address issues at the landscape scale.

Patrick Buckley continues his teaching of Geographic Information Systems and courses on South and East Asia. Current events in Asia are a focal point for his interests in supply and demand, and the issues of destructive development versus lack of development.

Rabel Burdge joined us as a Visiting Professor in 1996 and shares an appointment in the Sociology Department.

Devon Cancilla has been teaching at WWU since 1996 part-time in Chemistry and at Huxley since January 1997. He will join us full-time in the fall and his courses will include Risk Management and Environmental Chemistry.

Janet Collins is busy trying to improve and modernize the Map Library. (see Map Library notes elsewhere). She continues her research on "Women and the Grand Canyon 1860-1940" and is busy working with the Grand Canyon Private Boaters Association. She still loves to travel and spend time outdoors.

Howard J. Critchfield considers retirement the best job he ever had. He still receives requests for climatic data (which he does not have) from persons who remember that he was once the Washington State Climatologist. Critch does occasional writing and editing,

and in April 1997 he gave the keynote address, entitled "Kiwis Taught Me How to Fly" at a meeting of former Fulbright Scholars in Albuquerque.

Nancy Elkins continues to manage all of the Huxley science labs and a few dozen other details as well.

Sally Elmore continues in her role as graduate program coordinator, and in January 1997 moved into a "three-years-in-the-building" home on Squalicum Mountain.

Karen Foisy continues to serve as the undergraduate program coordinator and registrar for Huxley. [REDACTED]

Jack Hardy is "having a good time" and hoping that grads are finding satisfaction in their careers and what they have learned at Huxley to their benefit. As Center Director for Environmental Science he serves on a number of committees and mentions that Huxley is further examining the core curriculum, trying to make it comprehensive but not redundant or overlapping.

Gene Hoerauf continues his teaching of Geographic Information Systems, managing the new Spatial Analysis Lab, and working closely with students and faculty, local government agencies, and schools in the area. He also

supervises students employed for contract work with local agencies. (See Spatial Analysis Lab notes elsewhere.) In January he was the very surprised guest of honor at a Saturday evening potluck party staged by a lively bunch of current (and one former) grad students, fellow staff and faculty. The evening was greatly enjoyed and appreciated.

Peter Homann joined us in 1996 and is teaching courses in biostatistics, biogeochemistry, water quality, and environmental systems. His interests include soils and their interactions with water, climate and vegetation, especially forest vegetation.

Teresa LaFreniere has been the assistant to the Dean since arriving at Huxley in 1992 but she has worked on campus for over 30 years.

Wayne Landis divides his time between the main campus and what we call the "Hannegan Laboratory". In addition to his teaching and research responsibilities, he is still equipping the Lab.

April Markiewicz supervises all of the research projects, staff, and student employees for the Institute of Environmental Toxicology and Chemistry. In addition, she is the President of WWU's Staff Employees Council. Research interests include aquatic and stream

ecology with emphases in community- and ecosystem-level interactions.

Robin Matthews has been busy with a half-time sabbatical this year and as half-time director of the Institute for Watershed Studies. She encourages everyone to check out the IWS home page.

Dick Mayer has been busy developing a new textbook for introductory environmental studies courses. The book provides thirteen comprehensive case study documents and will be accompanied by computer models and short videos.

John McLaughlin who joined us in 1996, teaches ecology, population biology, conservation of biological diversity, biostats and field methods. His field teaching experience has included courses in the Glacier Peak Wilderness for San Francisco State University.

Jean Melious who was also hired in 1996, teaches environmental and natural resource policy, environmental law, land use law, environmental policy, and environmental dispute resolution. She is particularly interested in the legal issues relating to the Endangered Species Act, Canada-U.S. trans-boundary issues, growth management. She indicated one

hobby: Nathan (6) and Claire (3).

John Miles is still in the role as Center Director for Geography & Environmental Social Science. In addition to his regular course load, he has had some fun using technology in teaching a distance learning course. He is in the final stages of revising "Adventure Education" with Simon Priest, to be published later this year.

Bob Monahan (emeritus) retired at the end of 1993 and since that time has focused his professional interests on Canada. He taught a weeklong workshop, "Salmon Know No Borders" in the summers of 1996 and 1997. The workshops were funded by the U.S. Department. of Education. He would enjoy hearing from former students and can be reached at (360) 733-3947.

Debnath Mookherjee remains busy teaching Urban and Economic Geography and Geography of Asia. He frequently attends International Geographical Congress meetings and will be attending the next congress in Mexico to be held in August.

Mary Moores joined us in 1996 as the senior secretary in the Institute of Environmental Toxicology & Chemistry.

Gene Myers joined us in 1995 and is busy teaching

environmental education and would like to see it become part of every college student's experience. Gene also teaches environmental history and ethics, and human ecology. He would like to see all Huxley students develop fine sensitivities about the human context of all environmental issues.

Lori Nelles joined us in September of 1997 as assistant to the Center Director, Geography and Environmental Social Science.

Diane Peterson formerly with the Institute for Watershed Studies now works full-time in the Center for Environmental Science.

Lynn Robbins continues to enjoy teaching, helping students find internships and doing research. He is working on a project on public perceptions of the fire management program at Sequoia National Park. He says "hello" to the alumni and that he misses his former advisees.

Diane Rydberg left the University in September 1997 and moved her family to Maui. She is thoroughly enjoying the non-liquid form of sunshine.

Jim Scott (emeritus) has been living in Aberdeen since his retirement in 1993. He spends most of his time reading and gardening and is rapidly catching up on reading the 6000

plus volumes he only had time to scan while at Western. Writing has been confined largely to occasional book reviews and regular correspondence with former students, many of whom have visited Jim in Aberdeen. He and Barta are always delighted to see and hear from old colleagues, students and other friends. Their phone number is (360) 532-5289 or email: drjws@technline.com

Linda Sheaffer retired earlier this year after 27 years with the Institute for Watershed Studies (IWS) and the Institute for Freshwater Studies. (IWS evolved in part from the Institute for Freshwater Studies). She is still working with IWS on a watershed quality atlas and suggests folks tune into the IWS home page for updates. Her interests include writing, travel, large needlework projects, the jungian perspective, ecopsychology, reading, and walking.

Don Singh-Cundy joined us in 1996 as a Visiting Professor and teaches courses in public opinion and environmental issues, survey research methods, and analysis of survey data. He is currently conducting a survey of Huxley alumni back to 1975. The survey will take a fairly comprehensive look at their experiences at Huxley, will deal with their careers and job

experiences, and also seek information on the kinds of training new grads should have.

Bill Summers continues teaching oceanography and coastal ecosystems management and continues his research on squid. He attended the triennial Cephalopod Symposium in Cape Town, South Africa in the fall of 1997 where he submitted a paper on life cycle timing which will appear in the published proceedings. At the request of the South African government, a workshop was held on strategies for management of the regional squid fishery.

Tom Terich continues his work on the beaches and shorelines of Washington. In the fall of 1995 he had the pleasure of teaching with the Semester at Sea Program. The program involved about 500 students and 20 other faculty on a 100-day voyage around the world. He indicates that the experience had a tremendous influence on him and hopes that it has improved his teaching as well. For now, he is rekindling a long time interest in saltwater fishing, Baja California, and cold beer!

Joan Vandersypen continues her fifth year of surface water quality monitoring in the Kamm Creek Watershed in Whatcom County for the Institute for Watershed Studies. The study will be followed by a report summarizing the data and

relating land use to water quality. The project has been funded by the Washington State Department of Ecology.

Wendy Walker is still teaching undergraduate environmental education courses and an occasional graduate course. She is still teaching spring block and is always glad that she has, but not until it's over. Wendy says that advising is one of the most important and most satisfying parts of her job. She feels that her own kids are growing up "too fast" and is enjoying each day with her family.

David Wallin who joined us in 1995 teaches terrestrial ecology, landscape ecology, and introduction to remote sensing. His research centers on mapping potential habitat of various forest birds using satellite imagery.

Bert Webber is still teaching field courses in ecosystem restoration and management. His interests include the natural history of the Pacific Northwest. Each summer, he teaches environmental education programs on his boat in Southeast Alaska and studies whales, bears, and glaciers.

Ming-Ho Yu officially retired in June 1997, but is quite busy with an International Conference he is organizing for this August in Bellingham (See Upcoming Conferences

elsewhere in the newsletter.) and his ongoing research. He is writing a second book "Fundamentals of Environmental Toxicology", shortly to be published. Ming continues to be an active advisor for students. He has also managed quite a bit of travel. Four years ago, he spent a summer at the Institute of Whole Body Metabolism near Tokyo and then one year at the Iwate Medical University in Japan. He most recently returned from a trip to Taiwan.

PASSAGES:

Jim Albers December 6, 1996 at home. He was the world's longest-living kidney dialysis patient. Jim came to Huxley in 1971 with degrees in Physics and Theoretical Physics. He served as vice-provost for instruction and planning at WWU from 1974 to 1989. He then returned to teaching a Huxley course series on the history of the concept of nature. At Jim's memorial service it was noted that "it is especially the students and scholars of Western who have seen Jim make their academic community a wiser and better place through his insistence on the ideals of higher education in the liberal arts and sciences".

Ernst L. Gayden (retired) March 23, 1998 after complications following a stroke on Dec. 1. He began

teaching at Huxley College in 1971 and retired in 1995. Ernst developed a unique approach to environmental planning that he called "applied human ecology." He developed and taught courses including environmental problems in agriculture, alternative energy sources and systems, and settlement design of urban and rural areas. Ernst always had time for students who wanted to explore alternate ways to plan and design agricultural, technological and community systems, guiding them in a low-key way to examine "appropriate technologies." He taught for many years in Western's foreign studies program in Morelia, Mexico.

Institute for Toxicology

The Institute has a number of projects underway. Wayne Landis and a graduate student have been studying the impact of chemicals on mesocosm populations and ecological landscapes. Using modeling and experimental approaches, they have been looking at extrapolating from meta-populations to landscapes. A recent study of Port Valdez, AK, has provided a new approach to regional scale risk assessment.

Institute for Watershed Studies

The students and staff at the Institute have been busy preparing final reports for two surface water monitoring projects. One is a five-year study of Kamm Creek watershed to determine whether agricultural best management practices (BMP's) have been effective. The other is a one-year study of the Drayton harbor watershed that also relates to agricultural practices. A continuing project is a groundwater study in cooperation with Scott Babcock and Bob Mitchell of the Geology Department to relate land use to groundwater quality and to map groundwater flow in a small part of the Abbotsford – Sumas Aquifer. The big change for the unit recently was the retirement of Linda Sheaffer, after 27 years of working for the Institute. Joan Vandersypen will go to full-time lab manager beginning in March. Please visit the Institute home page for additional information.
<http://sanjuan.cs.wvu.edu/IWS/Welcome.html>

*Joan
Vandersypen*

Spatial Analysis lab or "The Cartography lab has a new look"

If you haven't visited campus for some time, you might be surprised when you step into the

Cart Lab (in Arntzen Hall 16, for those alumni from before 1975). The cartographic drafting tables are still there though their arrangement and appearance is somewhat altered. Last fall this was converted into a Spatial Analysis lab with computers and powerful software for computer cartography, geographic information systems and remote sensing display and analysis. We now have twenty-two high-end computers sitting on the drafting tables. (Actually, only the monitors are on the tables, the computers are tucked underneath the tables and the keyboard and mouse are in the wide pull-out drawer). However it might take you a minute to figure out the tables have been altered. About six inches was cut off the table legs so that their height is close to standard table-height. Once you absorb the changes in the tables and the addition of the computers, you might notice another change (unless you were a student in the late 70s). We have uncovered the skylights along the outer wall of the room and this has made a change to the feel of the place (as well as letting in some natural light). The skylights were hidden at the end of the 70s when the campus decided that ceilings with insulation would be better for energy conservation. Now with the computers adding heat, the skylights have had a welcome return.

This was accomplished by proposing and winning a grant from the Student Technical Fee program, another fairly recent change whereby each student pays a fee (\$10 per quarter) into a fund that is matched and augmented by administration funds. Each year proposals are submitted by various departments and programs applying for funds to establish and/or upgrade technical resources needed to stay up-to-date. Ours was a joint proposal by Huxley, Geology and Anthropology. Much effort was expended last summer in purchasing and setting up the equipment for the lab.

What does this mean to the curriculum? The cartography course now has only one required hand-drawn mapping assignment. The rest of the work is completed on the computers. Our GIS classes now have a lab equipped with Idrisi (Yes, we are still using Idrisi, at least in the Intro GIS class) and ArcView and ArcInfo, well-known software in organizations using GIS. By next year we hope to make the transition from Idrisi to ArcView for the introductory class. This quarter, (spring) an evening class is teaching the use of ArcInfo.

Gene Hoerauf

Huxley Map Library

The Map Library is undergoing changes as well. Thanks to the

same student technology fees that funded the Spatial Analysis Lab, the Map Library has been funded this year, just over \$32,000 for computers, scanner, and color printer. Patrons will be able to access our ever-growing collection of CD-ROMs, our internal databases of holdings, and download data sets from the internet.

We also have a Map Library Advisory Committee, composed of campus and off-campus members working on a strategic plan. And a proposal to create a "Spatial Information Center" comprising the Map Library, GIS Lab, and Spatial Analysis Lab has been initiated.

Currently 42 courses across campus refer students to the Map Library for assignments. Off campus users include all age groups from elementary school children to retirees. Many off-campus users are genealogists.

Janet Collins

Shannon Point

The Shannon Point Marine Center is a facility of Western Washington University located in Anacortes, Washington. Shannon Point's mission is to support the educational programs of the university and increasing numbers of Huxley College students and faculty are taking advantage of the unique opportunities available there. Several Huxley College marine

science courses are regularly taught at Shannon Point (e.g. ENVR 326; Marine Pollution and Toxicology, ENVR 426; Marine Invertebrates and their Environment, ENVR 434 Fisheries Management Lab, ENVR 421; Oceanography, ENVR 322; Oceanography Laboratory). The location and the resources of the lab enable students to get hands-on experience working directly in the marine environment.

The past year has seen close collaboration between faculty in Huxley College, in the Biology Department and at the Marine Center. In particular, Dr. Jack Hardy (Huxley College), Dr. Suzanne Strom (Shannon Point), and Dr. Gisele Muller-Parker (Biology Department) received funding for the Science Education and Research for Undergraduates program of (SEARUN). Dr. Brian Bingham (Huxley College), Dr. Steve Sulkin (Shannon Point), and Dr. Gissele Muller-Parker (Biology Department) shared funding for the ongoing Minorities in Marine Science Undergraduate Program (MIMSUP). Both of these innovative programs, funded by the National Science Foundation (NSF), are giving students the opportunity to use Shannon Point resources to study marine science. In the past three years, 10 Huxley College students completed their graduate degrees through the Marine and Estuarine

Science Program and many of them were funded through these special programs at Shannon Point.

There have been a number of changes in the Shannon Point facilities and resources in the past year. Dr. Kathryn van Alstyne joined the staff as a research scientist. Her expertise in chemical ecology and marine natural products chemistry have added an interesting dimension to work being done at the Marine Center. She is making important contributions to Huxley programs at Shannon Point. There have also been important equipment acquisitions. Funding from the National Science Foundation permitted the purchase of two aluminum research vessels to support shallow-water work and diving activities. A second NSF grant was used to acquire a spectroradiometer for measuring light (including ultraviolet radiation). A gift from Texaco funded the upgrade of an image analysis system to full color, state-of-the-art capabilities. There have also been significant improvements in the computer laboratory, computer equipment, the seawater system, and the aquarium room facility. The Marine Center is a valuable resource for Huxley College students and faculty and is providing unique learning opportunities. For more information, visit the Shannon

Point homepage at:
<http://www.ac.wvu.edu/~spm>
Brian Bingham

North Cascades Institute

NCI is a field-based environmental education and natural history organization housed in Sedro Woolley which has many ties to Huxley College. Two of its key staff, Wendy Scherrer and Ruthy Porter, are Huxley grads. Numerous Huxley interns have worked in various NCI programs during its 11-year history. John Miles has been an institute board member throughout that history. Its youth programs include a watershed education project involving six school districts in the Skagit River watershed, Mountain School and Mountain Camp which provide experiences for children in the North Cascades. Adult programs include natural history field seminars, elderhostels and teacher training programs. NCI has also developed curricula about wilderness, wildflowers, and other North Cascade-related topics. Its current big project is development of a residential environmental education center in cooperation with Seattle City Light and the National Park Service on Diablo Lake in the North Cascades National Park Complex. Several cooperative ventures with Huxley are in place and under discussion.

John Miles

Olympic Peninsula Program

Since Fall 1993, Huxley has offered an accredited upper-division Environmental Policy and Assessment Program on the campus of Peninsula College in Port Angeles. The program offers twenty-four courses and requires 90 credits in upper-division with 58 credits in required courses and 32 credits in electives. This special program offers full tuition waivers for displaced timber and salmon-industry workers of Clallam County and their spouses. Placement of graduates with Olympic Peninsula agencies has been largely successful.

Alumni News

Ann Ames (BA, Geog. '82) is a middle school teacher in the Portland, OR area.

Aimee Babbit (BS, Env. Sci. '94 ; MS, Env. Sci. '96) is working for Research Triangle Institute in Research Triangle Park, North Carolina as an Environmental Toxicologist.

Phillip Bakke (BA, Planning '94) is now the Code Enforcement Manager for Island County Planning in Coupeville, WA.

Dan Beard (BA, Geog. '66) left the federal government

employment in 1995 after serving as Director of the Bureau of Reclamation. He is now the Senior Vice President for Public Policy of the National Audubon Society in Washington DC.

Lisa Beck (BS, Env. Ed. '88) is the Botany Consultant for Calypso Cans in Bellingham, WA.

Chris Behee (BA, Geog. '90) is a planner for Whatcom County in Bellingham, WA.

Gregory Berghoff (BA, Geog. '90) is the GIS Analyst for Kitsap Public Utility District in Poulsbo, WA.

Anne Bernhard (MS, Env. Sci. '93) works for the Department of Microbiology in Corvallis, OR.

Berit Bergquist (MS, Env. Sci. '93) is an Environmental Scientist for EVS Consultants in Seattle.

Marilee Birchfield (BA, Geog. '83) serves on the library staff of the University of South Carolina and oversees the Geography holdings.

Chris Bittner (MS, Env. Sci. '93) is a Toxicologist in Salt Lake City, UT for the Utah Department of Environmental Quality, Division of Solid and Hazardous Waste.

Greg Blaine (BA, Geog. '77) is now the CEO for Allied Van Lines of Washington and Alaska in Seattle.

David Blake (MS, Env. Sci. '91) is now an Environmental Specialist for the Northwest Air Pollution Authority in Mt. Vernon, WA.

H.W. (Bock) Bockemuehl (BA, Geog. '67; MA, Geog. '68) is a Professor Emeritus of Geography for the University of Montana and is enjoying his retirement and spending a lot of time fishing.

Ted Boss (BA, Geog. '71; MS, Geog. '75) is self-employed in Fort Collins, CO as a consultant in environmental problems, specifically those of a biogeographical nature. Ted also has a Ph.D. in Geography from Oregon State University.

Cathy Bradshaw (BA, Geog. '72) is the Director of Fiscal Services in the Stanwood School District in Stanwood, WA. Cathy also has a BA in Accounting from Western.

John Bradshaw (BAE, Geog. '72) is a fourth grade teacher in Stanwood, WA and also has a MA in Education.

Ron Bradshaw (BA, Geog. '70) is now a rest-home attendant for the Lynden Christian Nursing Home in Lynden, WA.



**SHARED WATERS/SHARED STEWARDSHIP:
ENVIRONMENTAL MANAGEMENT IN THE GEORGIA BASIN-PUGET SOUND**

**WESTERN WASHINGTON UNIVERSITY
MAY 27-28, 1998**

WEDNESDAY, MAY 27TH

- 7:30 - 8:45 AM** **Registration and Continental Breakfast, Canada House**
- 9:00 - 9:15 AM** **Welcome, Viking Union Main Lounge**
Introduction by Karen Morse, *President, Western Washington University*
- 9:15 - 10:00 AM** **Keynote Address: Transboundary Environmental Cooperation in North America**
Viking Union Main Lounge
John Wirth, *President, North American Institute*
- 10:00 - 10:30 AM** **Refreshments, Viking Union Room 300**
- 10:30 - 12:00 PM** **Environmental Conflict Resolution and Negotiation: Beyond "Crisis Diplomacy"**
Viking Union Main Lounge
David Strangway, *Canadian Special Envoy, U.S.-Canada Salmon Negotiations*
Mark Schaefer, *Deputy Assistant Secretary for Water and Science, United States Department of Interior*
Charles C. Clarke, *Regional Administrator, US Environmental Protection Agency*
- 12:00 - 1:30 PM** **Lunch Presentation, Viking Addition 461-3**
Jaine Ferretti, *Interim Executive Director, Commission for Environmental Cooperation*
- 1:30 - 5:00 PM** **Canadian-U.S. Models for Transboundary Problem-Solving**
Viking Union Main Lounge
- SESSION 1:**
1:30 - 3:00 PM ***Other Shared Waters: Environmental Governance Along the Boundary***
This roundtable will focus on innovations in transboundary environmental management as demonstrated in the Great Lakes, Columbia Basin and Gulf of Maine regions. Roundtable speakers:
Gary Foley, *(Great Lakes) Co-chair, International Air Quality Board, IJC*
Allen Springer, *(Gulf of Maine) Political Science Department, Bowdoin College*
Chad Day, *(Columbia River) School of Natural Resources and Environment, Simon Fraser University*
- 3:00 - 3:30 PM** **Refreshments, Viking Union Room 300**
- SESSION 2:**
3:30 - 5:00 PM ***Georgia Basin/Puget Sound: Governance for the Future***
This roundtable will discuss strategies and frameworks for transboundary environmental governance.
Roundtable speakers:
Chair: Tim Douglas, *Director, Washington Department of Community, Trade, and Economic Development*
Eleanor Kulin, *Director, Environment Canada Corporate Branch, Pacific-Yukon Region*
Nancy McKay, *Chair, Puget Sound Water Quality Team*
Glen Okrainetz, *BC Ministry of Environment, Lands and Parks*

THURSDAY, MAY 28TH

9:00 - 10:30 AM

Coalition-Building Among Stakeholders and Governments, Viking Union Main Lounge

This panel will address the questions of where interests converge, how to build bridges among stakeholders, and what gets in the way of successfully pursuing common goals.

David Marshall, *Fraser Basin Council*

Tom Sampson, *Tseycum Band*

Dave Peeler, *Washington State Department of Ecology*

Henry Cagey, *Lummi Nation*

10:30 - 11:00 AM

Refreshments, Viking Union 300

11:00 - 12:30 PM

**Assessing Leadership Roles of Public, Private and Non-Governmental Sectors
Viking Union Main Lounge**

Representatives from NGOs, industry and government will consider the following questions: When should government take the lead role? When should others lead? What forms of interaction between sectors are most beneficial?

Chair: Mark Asmundson, *Mayor, City of Bellingham*

Kathy Fletcher, *People for Puget Sound*

Herman Almojera, *Vice Chairman, Nooksack Tribe*

Scott Walker, *ARCO*

Paul Kluckner, *Manager, Pacific Environmental Science Center, Environment Canada*

12:30 - 1:30 PM

Box Lunch, Viking Union Main Lounge

Luncheon discussion: Bern Shanks, *Director, Washington State Department of Fish and Wildlife* will discuss the transboundary implications of salmon listing under the United States Endangered Species Act.

1:30 - 2:30 PM

**Different Approaches to Shared Problems: Two Case Studies
Viking Union Main Lounge**

This session will examine two issues, which require cooperative management across the border: non-indigenous species introduction in the marine environment and degradation of freshwater resources.

John Armstrong, *U.S. Environmental Protection Agency, Office of Ecosystems and Communities* and

J. Roderick Forbes, *Department of Fisheries and Oceans, Institute of Ocean Sciences* will address the issue of non-indigenous species introduction.

Mark Zubel, *BC Ministry of Environment, Lands and Parks* and officials from Whatcom County will address issues of pollution and degradation of shared aquifers.

2:30 - 2:45 PM

Refreshments, Viking Union 300

2:45 - 4:15 PM

**Radically Contested Assertions in Ecosystem Management: Implications for Georgia Basin Puget Sound
Viking Union Main Lounge**

Speaker: Robert Lackey, *National Health and Environmental Effects Research Lab, US EPA.*

He will discuss contending paradigms for ecosystem management and argue that much of what is asserted as a scientific basis for ecosystem management is, at its heart, assertions of value preferences, which suggest alternative policy options.

Respondents:

Chair: Devon Cancilla, *Huxley College of Environmental Studies*

J. Brian Wilson, *Regional Director, Environmental Conservation, Environment Canada Pacific Yukon*

Bern Shanks, *Director, Washington State Department of Fish and Wildlife*

Andrea Copping, *Acting Director, Washington Sea Grant Program, University of Washington*

SHARED WATERS/SHARED STEWARDSHIP SPONSORS

Center for Canadian-American Studies
Western Washington University

Huxley College of Environmental Studies
Western Washington University

We gratefully acknowledge the assistance of the Government of Canada/Avec l'aide du gouvernement du Canada.

*For more information, please contact the Center for Canadian-American Studies
Phone: (360) 650-3728 Fax: (360) 650-3995 E-mail: canam@cc.wwu.edu
Western Washington University, Bellingham, WA 98225-9110*

REGISTRATION FORM

Please Return By May 13, 1998

SHARED WATERS/SHARED STEWARDSHIP:
ENVIRONMENTAL MANAGEMENT IN THE GEORGIA BASIN-PUGET SOUND
WESTERN WASHINGTON UNIVERSITY
MAY 27-28, 1998

Name (as it will appear on name tag) _____
Organization _____
Mailing Address _____
City _____ State/Province _____
Zip/Postal Code _____ Country _____ Phone () _____
Fax () _____ E-mail _____

- Full Registration with Lunch* \$30
- Full Registration without Lunch \$20
- Student Registration with Lunch* \$10
- Student Registration without Lunch free
- Please send me information on student/low income accommodations

* Lunch limited to space available

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- Check or Money Order (payable to WWU)
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SUGGESTED ACCOMMODATIONS

Limited Residence Hall accommodations are available on campus – please call for more information.

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Approximate rates: \$45-50

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Canada: (800) 367-1676

Approximate rates: \$69-84; eight guest rooms available; walking distance to campus

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* Offers a discount if you mention WWU ** Mention code P3

Best Western Lakeway Inn+*

(360) 671-1011, (888) 671-1011

Approximate rates: \$69-79

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Approximate rates: \$54 (with discount)

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QUESTIONS?

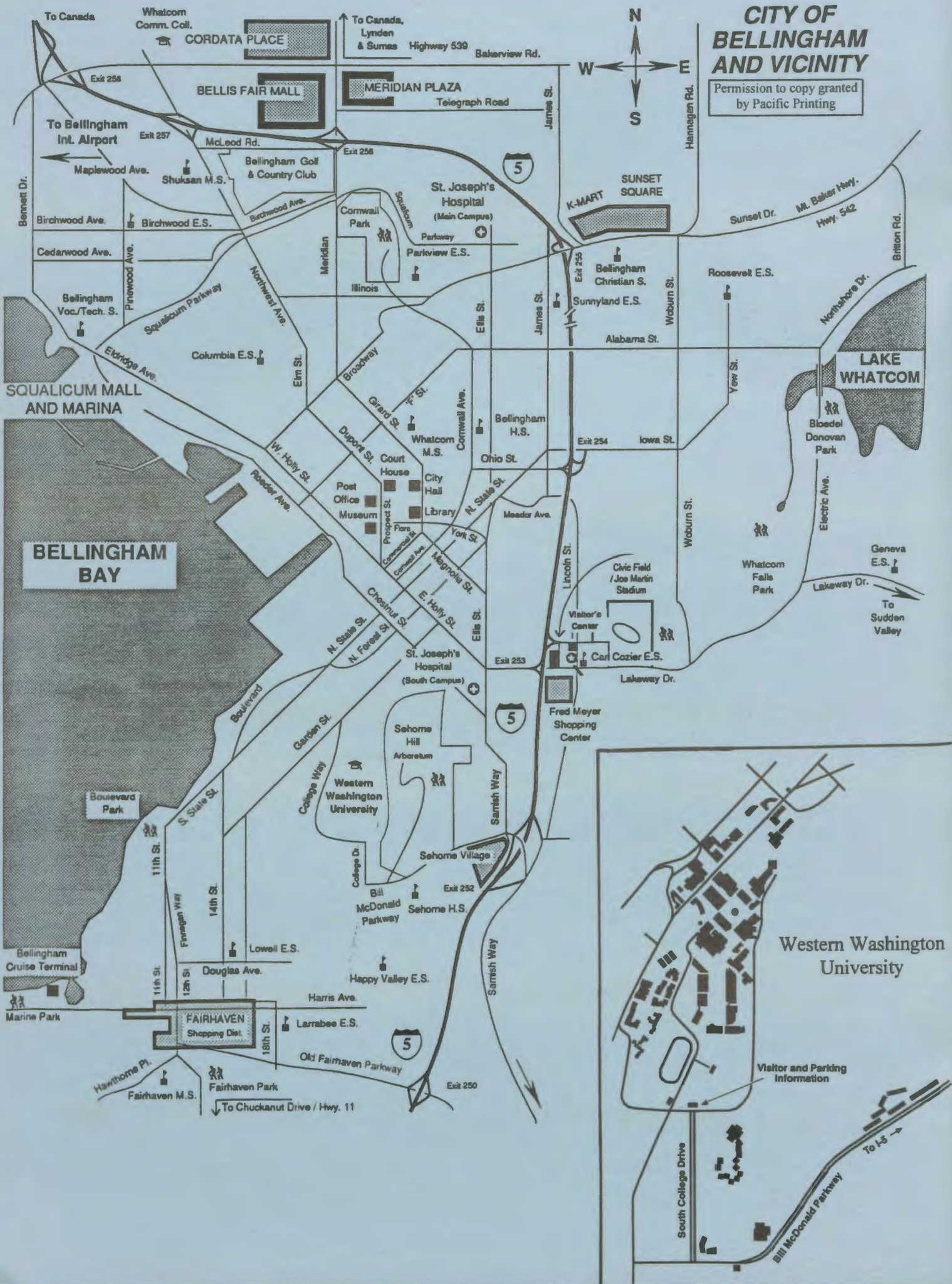
Please feel free to contact us with any questions you may have regarding the conference.

Phone: (360) 650-3728 Fax: (360) 650-3995 E-mail: canam@cc.wwu.edu

Center for Canadian-American Studies, Western Washington University, Bellingham, WA 98225-9110

CITY OF BELLINGHAM AND VICINITY

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Ted Brandt (MS, Geog. '82) works for the U.S. Geological Survey in Spokane as a GIS Specialist.

Scott Brennan (BS, Env. Sci. '93; MS, Env. Sci. '96) is an Environmental Information Specialist with the International consulting firm of Boos-Allen and Hamilton. He lives in Arlington, VA.

Dave Brogan (BS, Env. Sci. '93) is a course leader for Outward Bound. His course is from Maine to Florida.

John Brunzell (BA, Geog. '97) is a Field Biologist for the US Forest Service.

Dan Burns (MS, Env. Sci. '93) works for Northwest Indian College in Bellingham, WA as the Coordinator, Biology and Environmental Science.

Bill Cantrell (MS, Env. Sci. '90) is the Wetlands Ecologist for Cantrell and Associates in Bellingham, WA.

Sam Card (BS, Env. Stu. '87) is a Park Ranger in Skagway, Alaska.

Brandon Cardinal (BS, Env. Edu. '93) runs his own recycling business in Port Townsend, WA.

Dan Cardwell (BA, Planning '89) now works for Pierce County Planning in Tacoma, WA as an Associate Planner.

Patrick Caton (BA, Geog. '78) has worked for the Washington State Department of Natural Resources since 1979 and is currently a Cartographer II.

Chris Chorny (BA, Geog. '96) is currently in the Peace Corps in Guinea.

Russ Christensen (BAE, Geog. '65) has recently left a position supervising Head Start programs in Fairbanks and returned to Thailand where he enjoys the exciting life of working with the Kirin people on the Myanmar border.

Mark Cook (BA, Geog. '80) works for Boeing as a Spares Analyst.

Lennie Rae Cooke (MS, Env. Sci. '94) is working as the Watershed Project Manager for Paine Field in Everett, WA

Sean Cosgrove (BS, Env. Ed. '96) is the Washington DC lobbyist for the Forest Water Alliance. The alliance comprises 21 forest and watershed protection groups in western Washington, western Oregon, and northern California.

Dale Courtney (BAE, Elem. Ed. '40) is the Professor Emeritus of Geography from Portland State University and lives with his wife Coral in Lynnwood, WA.

Church Crider (BA, Planning

'96) now works for the City of Coupeville Planning. Coupeville, WA.

Ron Cubellis (BA, Planning, '95) is a Transportation Planner for the Whatcom Council of Governments in Bellingham, WA.

Sam Cushman (MS, Env. Sci. '97) is an Environmental Scientist for Michael P. Williams Consulting, Inc. in Seattle.

Kim Davies (BS, Env. Sci. '95) is a Graduate Student at Western Washington University in the Math Department.

Larry DeHann (BA, Geog. '71) is self-employed as a Dairy Farmer in Lynden, WA. Larry also has a MA in Geography from the University of Wyoming.

Amy DeVera (BA, Planning, '97) now works for Whatcom County Planning Department in Bellingham.

Tom DiDomenico (MS, Geog. '82) is a Housing Director for the City of Toppenish in Toppenish, WA.

Grant Eberle (MS, Env. Sci. '95) is now the Marine Laboratory Technician at Humboldt State University in Arcata, CA.

Nancy Elkins (MS, Env. Sci. '89) is a Scientific Lab

Technician for Huxley College at WWU.

John Everett (BA, Geog. '97) works for the city of Bellingham as a GIS Specialist.

Matt Evich (BA, Geog. / Elem. Ed. '80) teaches in Mt. Vernon and is a commercial fisher during the summer.

Lori Farrow (MS, Env. Sci. '92) is working for the U.S. Forest Service - Mt. Baker National Forest.

Jason Ford (BA, Geog. '82) is working as a demographer/cartographer/market analyst for a commercial real estate firm in San Diego.

Tom Gaines (MS, Env. Sci. '93) is an independent consultant using GIS, based in British Columbia and Washington State.

Bill Gardiner (MS, Env. Sci. '92) now works for Battelle Marine Science Labs in Sequim, WA as Scientist II.

Roy Gelder (BA, Geog. & Urban Plan. '76) is in charge of a large railroad classification yard just west of Chicago.

Suzanne Giles (MS, Env. Sci. '96) is the Water Quality Specialist for Evans-Hamilton, Inc. in Seattle.

Dennis Gillespie (BA, Geog. '83; MS, Geog. '92) is employed

by the U.S. Customs and stationed at Blaine.

Joseph Goulet (MS, Env. Sci. '95) is working as a Risk Assessor for the US EPA Region 10 in Seattle.

Pat Grant (BA, Geog. '79; MS, Geog. '81) is the Head of the Social Science Department of the University Preparatory Academy in Seattle.

Doug Greaves (BA Geog. '87) is the FCC Technical Coordinator for Airtouch Cellular in Bellevue, WA. Doug is also a member of Professional Geographers of Puget Sound.

Kelly Grier (BA, Planning '82) is the Senior Planner for Weber County Utah in Ogden, Utah.

Edie (Guenther) Berghoff (BA, Geog. '90) is the GIS/CAD for the City of Poulsbo, WA.

Maja Gustafson (BS, Mar. Ecol. '95) is working at VISTA in Portland, OR to pay for tuition and will graduate from Lewis and Clark College next fall.

Jenny Hahn (BS, Env. Sci. '84) is currently working on a book about her solo-kayaking trip from Bellingham, WA to Southeast Alaska.

Andy Hanneman (MS, Env. Sci. '92) is working on a PhD at

University of Washington School of Forestry in Seattle.

Darren T. Hansen (BA, Plan. '86) is still flying for the USAF and is now based in Tucson, AZ.

Ron Hausinger (BA, Geog. '97) works for the US Forest Service as a Hydrologist in the Stillaguamish River District.

Don Hennessy (BS, Env. Sci. '92) works for EVS Consultants in Seattle.

John Howard (BA, Geog. '76) works for the Surrey School District in British Columbia.

Raimo Inkilainen (MA, Geog. '69) is now consulting and teaching at Kauppakorkeakoulu in Helsinki after returning to the Finnish School (University) of Economics to receive his Doctorate in 1994. He lives in Espoo, Finland.

Michael Irg (MS, Geog. '96) is currently working in the Social Service Division, British Columbia Government.

Rebecca Janacek (BS, Env. Sci. '97) is working in Seattle for Herrera Environmental Consultants.

J. Granville Jensen (BAE, Ed. '41) is a Professor Emeritus of Geography at Oregon State University in Corvallis, OR.

Alyssa Johnson (BS, Env. Sci. '97) is employed as the Multimedia and Education coordinator for Caribbean Action for sustainable tourism and the Caribbean Hotel Association in Puerto Rico.

Brian Johnson (BA, Planning '94) is a Research Analyst for Navigation Technologies in Tukwila, WA.

David Jungkuntz (BA, Plan. '90) is Facilities Manager for Brown & Cole grocery industry responsible for 24 stores. Brown & Cole is located in Bellingham.

Lester Keel (BS, Watershed Stu. '90 ; MS, Env. Sci. '94) is an Environmental Toxicologist for Northwest Air Pollution Authority.

Sue A. Kelly (MS, Env. Sci. '95) is currently enrolled in the Ph. D. Program at Duke University.

Gene Kemp (BA, Geog. '88) is working for Intergraph in Alabama.

Bernadette Kenworthy (BS, Env. Sci. '96) is currently working for a consulting firm in Seattle.

John Ketcham (BA, Geog and Journalism '94) now works for Outback Digital Imaging and MPSI in Tulsa, Oklahoma as a programmer.

Daniel Kirkpatrick (BA, Env. Ed. 81) is the Director of the Global Community Institute of which Explorations High School is a major component. Explorations High School is an alternative experiential school.

Jessica A. Klinkert (BS, Env. Sci. '96) is working as a Computer Aided Drafting operator for a US Navy contractor in Bremerton, WA.

Matt Krogh (BS Env. Ed. '93) is working as the Conference Coordinator for the Society for Photo-Optical Instrumentation and Engineering in Bellingham.

Gretchen Kruse (BS, Marine Biology '90) is now the Recovery Manager of Columbia River White Sturgeon for the Idaho Dept. of Fish and Game in Sand Point, ID.

Leslie Kubin (MS, Env. Sci. '97) is now the Environmental Scientist for the National Marine Fisheries Service, Environmental Conservation Division in Seattle.

Marje Kuus (MS, Geog. '94) is currently a Ph.D student in Geography at the University of Syracuse.

Laura Lancaster (BS, Self-Designed Major '87) is the Senior Laboratory Analyst for Inspectorate America Corporation in Bellingham.

Andrea LaTier (MS, Env. Sci. '93) works for EVS consultants in Seattle, WA.

Kirsten Lee (MS, Env. Sci. '96) is now an Instructor at LaConner High School in LaConner, WA.

Jason Lehto (MS, Env. Sci. '97) is a volunteer for the Peace Corps in Port Vila, Vanuatu, which is in the South Pacific.

April Markiewicz (MS, Env. Sci. '94) is a Laboratory Manager for the Institute of Environmental Toxicology and Chemistry at Huxley.

Warren Martyn (BS, Env. Edu. '94) is now a real estate agent in Steamboat Springs, Colorado after working for a wilderness education program and a private high school.

Angela Matz (MS, Env. Sci. '92) has a Postdoctoral position at Manomet Center for Conservation Sciences in Massachusetts. Angela also received a Ph.D from the University of Maine in 1997.

Kate McDonald (MS, Env. Sci. '94) is SeaQuest coordinator at the Northwest Indian College in Bellingham, WA.

Jim McKenney (BA, Geog. '81) working for the city of Bellevue as a GIS Specialist.

Chanda Meek (BS, Marine Bio. '96) is a Graduate student at New York University

Darrell Mintz (BA, Geog. '68) is a self-employed agricultural consultant. He owns Pacific Berry Works in Bow, WA.

Mark Moody (BS, Watershed Stu. '94-'95) is a Cellular Researcher at Fred Hutchinson Cancer Center in Seattle, WA.

Michelle Moran (BA, Plan. 95) is the Assistant Planner for the city of Carnation, WA.

Corrina Morin (BS, Marine Eco. '95) is a graduate student at the University of Colorado in Boulder, CO.

Linda Mortensen (MS, Env. Sci. '97) is a Environmental Toxicologist for Foster-Wheeler.

Monique Myers (MS, Env. Sci. '95) currently pursuing a Ph.D. in Environmental Science.

Steve Myers (BA, Geog. '86) works for the US Census Bureau in Seattle.

Jack Newman (BA, Edu. '86; MS, Geog. '89) is a Lecturer on the English Language and Literature at the University of Torun in Torun, Poland. Jack is also working on his Ph.D. dissertation at the University of Warsaw.

Ruth Noellgen (MS, Env. Sci. '91) is a scientific journal editor and German language translator..

Cos Palazzolo (BA, Geog. '82) is a Loan Servicing Officer for Continental Mortgage Company in Seattle.

Mike Payne (BA, Geog. '96) is a GIS Specialist for PTI Environmental Services in Bellevue, WA.

Andy Penta (BA, Geog. '87) is a Records Manager for Snohomish County in Everett, WA.

George Pomeroy (MS, Geog. '95) is currently a Ph.D student at the University of Akron.

Ruthy Porter (BS, Env. Ed. '94) is enrolled in the Environmental Education graduate program at Huxley and is the Adult Seminars Coordinator for the North Cascades Institute.

Marge Post (MS, Env. Sci. '94) is serving in the Peace Corps and living in Micronesia.

Kim (Rattlingtail) Homan (BA, Geog. '94) is an Environmental Technician for the Department of Ecology in Bellingham, WA.

Carrie Richards (BA, Plan. / Env. Sci. '97) works as the Assistant Park Planner for the city of Everett.

Sara Rodgers (MS, Env. Sci. '96) is employed by GREEN (Global Rivers Environmental Education Network) as the Program Coordinator.

Andy Ross (MS, Env. Sci '94) works for the Lummi Nation as a Water Resources Specialist.

Kevin Rucker (BA, Geog. '89) has worked for Westours Motorcoaches, Inc. since 1993 and is the Manager, Safety & Training, Gray Line of Alaska in Anchorage, AK.

Lisa Saban (MS, Env. Sci. '93) works for CH2M Hill in Bellevue, WA.

Bruce Sarjeant (BA, Geog. '89) is worked as a Cartographic Aid for the U.S. Census Bureau in Seattle.

Wendy Scherrer (BS, Ecology '76) is the Education Director for the North Cascades Institute, Sedro Woolley, WA.

Mark Schulz (BS, Env. Ed. '84) is the Environmental Specialist for the Washington State Parks Commissioner's Wenatchee regional office.

Kurt Shubert (MS, Env. Sci. '97) is employed by Summit Envirosolutions as an Environmental Data Specialist.

Curt Smelser (BA, Geog. '68, MS, Geog '70) is an attorney specializing in environmental law and planning and working

for Williams, Kastner & Gibbs in Seattle.

Laura (Smith) Rucker (BA, Geog. '92) works for Key Bank as a Client Services Representative in Anchorage, AK.

Greg Sobel (BA, Social Asses/Policy '83) works for the Massachusetts Office of Conflict Resolution.

Mike Stebor (BA, Geog. '88) works as a Sales Representative for Johnson and Johnson in Tacoma, WA.

Pat Stevenson (BS, Env. Sci. '81) works as an Environmental Biologist with the Stillaguamish Tribe and currently serves as President of the Bellingham Food Bank.

Larry Thal (BA, Social Asses/Policy '82) is a self-employed architectural consultant in Jackson, Wyoming (according to John McLaughlin, "a wave-surfing maniac in a kayak during their Grand Canyon river trip in August of 1996").

Dan Thayer (BS, Env. Sci. '77) is the Chief of Environmental Services for the Bureau of Indian Affairs in Reston, VA.

David Tremaine (BA, Geog. '65, MA, Geog. '74) has retired from the Lake Stevens School District and is now teaching college courses in Geography in Everett and Marysville.

Dan Turbeville (MA, Geog. '76) is Associate Professor of Geography at Eastern Washington University in Cheney.

Joan Vandersypen (MS, Env. Sci. 93) is employed by Huxley in Watershed Studies as a Research Technologist.

John Vodopich (BA, Planning '87) works as the Principal Planner for Kitsap Community Development in Port Orchard, WA.

Steve Walker (MS, Env. Sci. '95) is the owner/operator of Middle Fork GIS, located in Bellingham.

Bob Warinner (BS, Env. Sci. '95) works for Avocet Environmental Testing in Bellingham, WA.

Gerald Webster (BS, Geog. '74; MS, Geog. '80) is Associate Professor of Geography at the University of Alabama.

Ann Wendland (BS, Env. Ed. '94) is an interpreter for the US

Forest Service and the National Park Service in Arizona and Washington.

Jim Wiggins (BS, Env. Stu. '88; MS, Env. Sci. '92) is now an Environmental Consultant for Aqua-Terr in Sedro Woolley, WA.

Nancy West (BA, Geog. '97) is currently working on her Masters in Geography at Western.

Brian Westra (MS, Env. Sci. '91) is a teacher and missionary.

Lorraine Wilde (MS, Env. Tox. '95) works for Purnell Environmental Consultants in Bellingham, WA.

Valerie Wilson (MS, Env. Tox. '97) is an Environmental Toxicologist with EVS Consulting in Vancouver, British Columbia.

Tom Woolett (BA, Geog. '89) is a Senior Planner for Clallam County in Port Angeles, WA.

Larry Zietsman (MA, Geog. '74) works as a Professor of Geography and Cartography for the University of Stellenbosch in Stellenbosch, Republic of South Africa.

Spring Block
Photos: Wendy Walker





Limnology Students

Photos: Leo Bodensteiner



Spatial Analysis Lab



Map Library

We have T-shirts and baseball caps with Huxley College logos for sale!

The logos are illustrated below. The T-shirts are available in long sleeves or short sleeves, S, M, L, XL AND XXL sizes and assorted colors. Short-sleeve T-shirts sell for \$15 and long-sleeve for \$17. We also have brushed twill Huxley hats which fit the crown nicely and adjust to fit all sizes. Currently these hats are available ONLY in black. The hats sell for \$15 each. There is an additional \$3 mailing fee. Below is an order form for your convenience.

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Telephone No. () _____

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City/State/Zip Code:

I would like to order:

<u>Quantity</u>	<u>Item</u>	<u>Color</u>	<u>Cost</u>
_____	Short-sleeve T-shirt @ \$15/ea.	1 st color choice: _____	_____
		2 nd color choice: _____	_____
_____	Long-sleeve T-Shirt @ \$17/ea.	1 st color choice: _____	_____
		2 nd color choice: _____	_____

front of T-shirt:

Logo is 2 ¼" high by 3 ½" wide



Huxley College
of Environmental Studies

back of T-shirt:

Logo is 11 1/2" high by 13" wide

_____ Baseball hat @ \$15/ea.

Logo is 2 1/4" high by 4 " wide



Subtotal _____
Plus \$3 mailing fee..... _____
TOTAL..... _____

PLEASE MAKE CHECKS PAYABLE TO *THE WESTERN FOUNDATION* AND MAIL ORDERS TO:

**Karen Foisy
Huxley College
WWU, MS 9079
Bellingham, WA 98225-9079**

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NAME:

ADDRESS:

Please indicate if this is a new address. YES NO

EMAIL ADDRESS:

YEAR GRADUATED:

DEGREE:

PRESENT EMPLOYMENT:

OTHER ACTIVITIES/INTERESTS:

TRAVELS:

HAPPY EVENTS (MARRIAGES, BIRTHS, ETC.):

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