

**Council of Department Chairs
College of the Sciences, Central Washington University
Regular Meeting, June 8, 2006
10:30 a.m., Science 301**

Attending:

Barlow, Kathleen - Anthropology
Boersma, Stuart F. - Mathematics
Darda, David - Biology
Johnson, Kirk A. - Sociology
Kurtz, Martha J. – Chemistry and Science Education
Lillquist, Karl D. - Geography
Miller, M. Meghan, Dean

Palmquist, Bruce - Physics
Schaefer, Todd - Political Science
Schwing, James L. - Computer Science
Stein, Stephanie - Psychology
Thomas, Carin - Associate Dean
Reimund, Mary Ellen, Law and Justice

Department Reports:

Anthropology

Students:

- Cory Rebman graduated with honors and will attend the graduate program in forensics at Northern Texas State University.
- Allan White will attend Exeter University in England in experimental archaeology.
- Matt DuBeau and Stephanie Simmons were awarded Alumni Association Departmental Scholarships for next year.
- Jayne-Leigh Thomas, M.S. in Resource Management, will attend Ph.D. program at the University of Edinburgh in Scotland to work on forensic archaeological project in the Danube River basin.
- Crystal Davidson was one of 12 students in Washington State selected for a Meyer-White scholarship for returning or non-traditional students.
- Friday, June 2, an end-of-year party was held for anthropology students, at which honors were announced.

SOURCE Presentations:

- 2 Oral presentations – Primate Behavior and Ecology/Anthropology, student presentations supervised by Lori Sheeran and Lene Pedersen
- 3 Poster Presentations - supervised by Pat Lubinski
- 1 Poster Presentation - supervised by Steve Hackenberger
- Society for Applied Anthropology Association - poster presentation - Title: Environment Migration Histories, and Childhood Health: Uses of Folk Healing and Biomedicine among Hispanic Families in Central Washington
- Tracy Andrews, with Ian Gray, Ben Sainsbury, Jan Naragon - REM students, and Tony Aronica - Anthropology major
- Bill Wood will join the Anthropology Department next fall as a tenure-track assistant professor. Bill Wood is from the Natural History Museum of Los Angeles County.
- Penglin Wang and Patrick Lubinski have been tenured and Tracy Andrews has been promoted to full professor
- 59th Annual Northwest Anthropological Conference - March 29-April 1, 2006, Seattle, Washington
 - Penglin Wang - *Lotus in Octonary Conception: Chinese pat 'eight' and x 'lotus.'*
 - Kevin Vaughn and Ryan Swanson – Resource Management - *Use of a Relational Database in Lithin, Faunal and Particle Size Analysis at the Sunrise Borrow Pit Site (45PI408).*
 - Genavie Thomas and Steven Hackenberger – Resource Management and Anthropology, *A case Study in Ethnographic Landscapes: The BLM Iceberg Point Prairie, Lopez Island, Washington*
 - Max Schorman - Anthropology, *Ayahuasca Use among Peruvian Shamans*
 - Lucy Ruesta (Resource Management) Lori K. Sheeran (Anthropology), Megan D. Matheson (Psychology), Li Jinhua (Anhui University, China and Steve Wagner (Biology) - *Investigation of Possible Impacts of Tourist Density, Behavior and Decibel Levels on Tibetan macaque Aggression.*
 - Minatani, Vanessa, Amy K. Senn, and Edrie A. Kelly (Resource Management - Anthropology) *Resampling in the Saddle Mountains*
 - Pat Lubinski, Jake T. Shapley (Anth) Bax R. Barton (U. Washington) Karl Lillquist (Geography) and Morris Uebelacker (Geography) - *Initial Excavations at the Wenas Creek Mammoth Site near Selah, Washington*

- Jensvold, Mary Lee (Psych), Lori K. Sheeran (Anthropology) Rachel H. Halberg (Primate Behavior and Ecology) and Jennifer Keyser (Primate Behavior and Ecology) - *Laughter, Number of Play Partners and Play Bout Duration in Captive Chimpanzees 9Pan troglodytes*
- Athena Honey - Anthropology - Positional Behavior and Forest Ecology of Howling Monkey (*Alouatta palliata*) Juveniles at Ometepe Biological Field Station, Nicaragua
- Mark Fairbanks (Resource Management), Steve Hackenberger (Anthropology), and Robert Hickey (Geography) - *The Tryon Creek Site Revisited, Hells Canyon, Oregon: 3-D Visualization and Spatial Analysis in ARCGIS.9.*
- James C. Chatters, (AMEC Earth and Environmental, Inc.), Steven Hackenberger (Anthropology) and Brett Lentz (Grant County PUD) - *From Paleo Indian to "Archaic" in the Pacific Northwest: Transition or replacement?*

Biology

- The department successfully filled its Department Secretary position. Kari Taylor, currently with the Foreign Languages Department, will officially begin her duties on June 16.
- Biology made a strong showing at SOURCE this year. Biology students and faculty presented 20% of the 100 oral presentations. Five Biology students received awards for oral and poster presentations. Steve Wagner was recognized as an outstanding SOURCE mentor. Dan Beck gave a fine keynote presentation at the banquet.
- Lindy Mullen has been selected as the 2006 honors convocation speaker.
- Jonathan Betz was selected to receive the 2006 COTS Academic Leadership Award.
- Erika Nelson has been selected by the Alumni Association Board of Director's Scholarship Committee to receive a Departmental Scholarship. The amount of the award will be \$1000.
- Amy Berkley has been selected by the Alumni Association Board of Director's Scholarship Committee to receive a Men and Women of the 50's Scholarship. The amount of the award will be \$1000.
- The Biology Club hosted its annual end-of-the-year BBQ on May 30. Student and faculty awards were presented.
- On May 22, a ceremony was held honoring 10 Biology students who were initiated into Beta Beta Beta, the Biology National Honor Society.
- Lixing Sun has been promoted to full Professor

Chemistry

- The Chemistry Department was well represented at SOURCE. Niki Paulk won an oral presentation award and Stephanie Bryner won an outstanding poster award.
- The Chemistry Department held its Student Appreciation BBQ on May 19th. Entertainment provided by Roadfever made up in part by guitarists Anthony Diaz and Tony Brown and lead singer Tim Sorey.
- Levente Fabry received funding from the Research Corporation: Cottrell College Science Award for "Novel 1,3-Azaborine Heterocycles as Aspartic Protease Inhibitors" for \$38,828.
- Anthony Diaz had the manuscript "Quantitative determination of non-radiative host-to-activator energy transfer efficiencies in YBO₃:Eu³⁺ and Y₂O₃:Eu³⁺ under VUV excitation" accepted into Chemistry of Materials without revision.
- The department received a High Demand grant from the HECB to support its Organic Chemistry curriculum. The grant funds two faculty lines plus money for goods and services and software upgrades. Martha Kurtz worked with the Associate Vice President for Undergraduate Studies to write and submit the proposal.

Geography

- Gina Bloodworth was a member of the Executive Committee of CWU's SOURCE in Spring 2006.
- Gina Bloodworth presented "Columbia River: The Slack-Water Empire" at the annual meetings of the Association of Washington Geographers in April 2006.
- Anthony Gabriel spearheaded university efforts to obtain a WICHE grant that will allow graduate students from the 17 western states to receive in-state tuition to enroll in CWU's REM graduate program.
- Anthony Gabriel presented "Ecological Comparison of Disconnected and Connected Side Channels, Wapato Reach, Yakima River, Washington" at the Yakima Basin Aquatic Science and Management Conference in June 2006.
- Anthony Gabriel (with former REM graduate student David Parrish) presented "Ecological Characterization of Salmon Habitat Restoration Efforts for Abandoned Gravel Pits, Yakima River, Washington" at the Yakima Basin Aquatic Science and Management Conference in June 2006.
- Bob Hickey and former REM graduate student Suzanne Wade have "Mapping Migratory Wading Bird Feeding Habitats using Satellite Imagery and Field Data, Eighty-Mile Beach, Western Australia" in press with the Journal of Coastal Research.

- Bob Hickey has a review of "GIS Fundamentals" (by P. Bolstad) in press with The Journal of Spatial Sciences.
- Jim Huckabay gave a seminar on "Collaborative Management of Elk (Wapiti) Damage to High-Value Agricultural Land in Central Washington, USA." at Wageningen University in the Netherlands in April 2006.
- Jim Huckabay presented "Creating a Road Map to Collaborative Conflict Management." at the International Symposium on Society and Resource Management in June 2006.
- Nancy Hultquist received the SUMMIT award from the Washington Urban and Regional Information Systems Association in May 2006. This award is for highest contributions to the Washington GIS community
- Nancy Hultquist and Martin Kaatz (Geography professor emeritus) presented "Rain-on-Snow-Event Hazard: Kittitas County, Washington" at the annual meetings of the Association of Washington Geographers in April 2006.
- Robert Kuhlken was elected chair of the Geography and Land Studies Department in May 2006. His term begins in mid-June 2006 and runs until mid-June 2010.
- Karl Lillquist's "Teaching with Catastrophe: Topographic Map Interpretation and the 1949 Mann Gulch, Montana Wildfire" was accepted for publication in the Journal of Geoscience Education in June 2006.
- Jennifer Lipton was hired as a full-time, tenure-track resource geographer. Jennifer will start at CWU in September 2006.
- Geography Senior Secretary Marilyn Mason was recognized for her 25 years of service to CWU in May 2006.
- Allen Sullivan received a CWU Faculty Seed Grant for his proposed research "Survey and assessment of habitat characteristics and population dynamics of freshwater mussels in Manastash Creek and Taneum Creek" in May 2006.
- Allen Sullivan was a member of the Executive Committee of CWU's SOURCE in Spring 2006.
- Morris Uebelacker worked in Hells Canyon mapping prehistoric cultural sites with researchers from Idaho State University, U.S. Forest Service, and the University of Arkansas-Fayetteville in late May and early June 2006.

REM graduate students:

- REM graduate student Eric Beckley presented "When Mining Ends: A Comparative Case Study of the General Mining Law of 1872 and the Surface Mining and Control Reclamation Act of 1977 at the CWU SOURCE in May 2006. Eric's faculty advisor is Gina Bloodworth.
- REM graduate student Matt Collins presented "The Effects of Distance on the Energetics, Morphology, and Reproduction of Coho Salmon (*Oncorhynchus kisutch*) in the Wenatchee River" at the CWU SOURCE in May 2006. Matt's faculty advisor is Anthony Gabriel.
- REM graduate student David Corder presented "Community Places: Mapping Landscape Meaning in the Community of Ellensburg, WA" at the CWU SOURCE in May 2006. David's faculty advisor is Anthony Gabriel.
- REM graduate student Dan Didricksen presented "Using Benthic Macroinvertebrates to Evaluate Stream Habitat for Steelhead Trout (*Oncorhynchus mykiss*) Reintroduction" at the CWU SOURCE in May 2006. Dan was awarded best oral presentation in his session. Dan's faculty advisor is Anthony Gabriel.
- REM graduate student Marc Fairbanks presented "An Examination of Geovisualization Using Building and Power Infrastructure Development Projects" at the CWU SOURCE in May 2006. Marc was awarded best oral presentation in his session. Marc's faculty advisor is Bob Hickey.
- Marc Fairbanks (with faculty mentors Steve Hackenberger and Bob Hickey) presented "The Tryon Creek Site Revisited, Hells Canyon, OR: 3-D Visualization and Spatial Analysis in ARCGIS.9" at the 59th Annual Northwest Anthropological Conference, in late March and early April 2006 and again at the CWU SOURCE in May 2006.
- Josh Fitzpatrick presented "The Need for Instream Flow Protection in New Mexico: A Comparative Analysis of Yakima River Basin Farmers with San Juan River Basin Farmers" at the CWU SOURCE in May 2006. Josh' faculty advisor is Gina Bloodworth.
- REM graduate student Carla Jellum received a CWU Master's Research Grant and a Summer Research Grant for "Managing Mountain Bike Recreation and User Conflicts: A Case Study on Mt. Baker-Snoqualmie National Forest, Washington." Carla's faculty advisor is Karl Lillquist.
- REM graduate student Lennard Jordan successfully defended his thesis "Automated High Temporal Resolution Monitoring of Bank Erosion Events Using Photo-electric Erosion Pins, Yakima River, Washington." Leonard's faculty advisor is Anthony Gabriel.

- Ryan Karlson presented at the CWU SOURCE and successfully defended his thesis "Investigation of Ice Age Flood Geomorphology and Stratigraphy in Ginkgo Petrified Forest State Park, Washington: Implications for Park Interpretation in May 2006. Ryan's faculty advisor is Karl Lillquist.
- REM graduate student Chris McColl successfully defended his thesis "Land Use Forecasting and Hydrologic Model Integration for Improved Land Use Decision Support". Chris' faculty advisor is Anthony Gabriel.
- REM graduate student Ian Mooser presented "Using GIS to support Katrina Recovery Efforts" at the GIS in Action conference in Vancouver BC in April 2006 and "Katrina Cleanup: The Use of GIS/GPS to Clean up Hazardous Debris" at the annual meetings of the Association of Washington Geographers in April 2006. Ian's faculty advisor is Nancy Hultquist.
- REM graduate student Nikishna Myron received a CWU Summer Research Grant for his "Hold the Salt Please: Using Innovation Active Solar Distillation on the Hopi Reservation in Northern Arizona". Nikishna's faculty advisor is Morris Uebelacker.
- REM graduate student Andrew Perkins received a CWU Master's Research Grant for "Terrain Stability Mapping on Sumas Mountain, British Columbia". Andrew's faculty advisor is Karl Lillquist.
- REM graduate students Andrew Perkins and Janet Rhoades presented "Classification and Distribution of Lake Types in Washington" at the annual meetings of the Association of Washington Geographers in April 2006, the CWU SOURCE in May 2006, and WAURISA meetings in May 2006. Their Association of Washington Geographers poster was awarded first place. Their faculty mentor on this project is Anthony Gabriel.
- REM graduate student Jason Rau successfully defended his thesis "Predator Avoidance Training Hatchery Spring Chinook Using Mergansers (*Lophodytes cucullatus* and *Mergus serrator*) as Agents" in May 2006. Jason's faculty advisor is Morris Uebelacker.
- REM graduate student Ben Sainsbury presented "Crucifixion Cave—the Resurrection: A Photomonitoring GIS Procedure to Evaluate Visitor Impacts in the Last 15 Years" at the CWU SOURCE in May 2006. Ben's faculty advisor is Bob Hickey.
- REM graduate student Jon Shellenberger successfully defended his thesis "Yakima Pow Wow: A Place for Community, Family, and Competition" in May 2006. Jon's faculty advisor is Morris Uebelacker.
- REM graduate student Todd Snider presented "The Conversion of Private Timberlands to Residential Development in Upper Kittitas County, Washington" at the CWU SOURCE in May 2006. Todd's faculty advisor is Robert Kuhlken.
- REM graduate student Luke Swan presented at the CWU SOURCE and successfully defended his thesis "Alternative Representations of Reach-Scale Channel Dynamics in the Naches River, WA: Hydraulic Assessment with a Management Focus." Luke's faculty advisor is Anthony Gabriel.
- REM graduate student Jared Treser received a CWU Summer Research Grant for his proposal "Historic Glacier and Climate Fluctuations on Mount Adams, Washington". Jared's faculty advisor is Karl Lillquist.
- Kevin Tyler successfully defended his thesis "Biological Soil Crusts: Analysis of Monitoring Techniques at the Yakima Training Center, Washington. Kevin's faculty advisor is Karl Lillquist.
- REM graduate student Amy Vasereno presented "Recruitment viability, habitat analysis, and proposed management strategies for *Margaritifera falcata* populations in the Yakima River Basin, WA at the CWU SOURCE in May 2006. Amy's faculty advisor is Dr. Allen Sullivan.

Geography undergraduate students:

- Public Policy undergraduate Scott Leadingham presented research on water rights at the National Social Science Association conference in Spring 2006. Scott's mentor on this project is Dr. Allen Sullivan.
- Geography undergraduate Rebekah LaBar received a Brooks-Shaw Award in June 2006 for being a top Geography major.
- Rebekah LaBar presented "The Llanos Low-Level Jet and its Association with Venezuelan Convective Precipitation" at the American Meteorological Society Meeting in May 2006. This presentation was based on Rebekah's work in Summer 2005 in the National Science Foundation Research Experiences for Undergraduates program at the University of Oklahoma.
- Geography undergraduate Keith McEvoy received a Brooks-Shaw Award in June 2006 for being a top Geography major.
- Geography undergraduate Nizar Salih presented "Landslide Hazard Areas in Renton WA" at the annual meetings of the Association of Washington Geographers in April 2006. Nizar's faculty mentor is Nancy Hultquist.
- Geography undergraduate Talitha Smith presented Milltown Dam Removal at the CWU SOURCE in May 2006. Talitha's faculty mentor is Gina Bloodworth.

- Geography undergraduate Jeff Trammell received a Brooks-Shaw Award in June 2006 for being a top Geography major.
- Geography undergraduate Jason McCormick received a Brooks-Shaw Award in June 2006 for being a top Geography major.
- Geography undergraduate Greg Hinze received the Macinko Award in June 2006 for being a top Geography major. In addition, Greg also received one of a handful of University Alumni Scholarships.
- Geography undergraduate Kolten Kosters presented "Effects of Irrigation in the Columbia Basin" at the CWU SOURCE in May 2006. Kolten's faculty mentor is Gina Bloodworth.
- Geography undergraduate Jason McCormick presented "Washington State Legislative Interconnectivity to Natural Resource Policy, An Inside Perspective" at the CWU SOURCE in May 2006. Jason's faculty mentor is Gina Bloodworth.
- Geography undergraduate Joe Willauer presented "Urban Growth in the Columbia Basin" at the CWU SOURCE in May 2006. Joe won best undergraduate paper award for his presentation. Joe's faculty mentor is Gina Bloodworth.
- Nine Geography majors were inducted into the local chapter of Gamma Theta Upsilon including Jeff Trammell, Lindsey Ozbolt, Teresa Burroughs, Bryn Loftness, Patrick Anderson, Keith McEvoy, Kolten Kosters, Greg Hinze, and Barb Stancil.

Mathematics

- Aaron Montgomery and W. Dan Curtis have received positive recommendations for tenure and promotion to Associate Professor.
- Kathryn Temple was recently accepted as a Project NEXT Fellow (a highly competitive program sponsored by the Mathematical Association of America).
- A group of faculty will be going to Ashland, OR in two weeks to participate in the regional meeting of the PNW-MAA meeting. A complete list of presenters will be given at the next Chair's meeting.
- Stuart Boersma worked with a representative from YVCC, Heritage U., ESD 105, and five school districts and recently received a \$60K grant from the Transitions Math Project. The focus of the grant is directed to curriculum development at the 11/12 grade level to improve mathematical and quantitative literacy and "ease" the transition from high school mathematics to college-level mathematics.
- Stuart Boersma recently received the Trevor Evans award. The Mathematical Association of America presents this award to the author of the "best" paper in Math Horizons.

Science Education

- Martha Kurtz and her SCED 301 course designed an interpretive trail at Helen McCabe State Park in the Fall. In May the trail was built and interpretive brochures should be available at the kiosk soon. Also, student research projects were converted to poster format and will be displayed on a rotating basis at the park.
- Ian Quitadamo, Tim Sorey, and Martha Kurtz will attend the Teachers of Teachers of Science Meeting today. Martha and Ian will present on their critical thinking research and on the interdisciplinary science inquiry course (SCED 301).

Sociology

- The department inducted 14 students into Alpha Kappa Delta (International Sociology Honors Society)
- Judy Hennessy's SOC 101 (Social Problems) class presented at Civic Engagement Showcase highlighting their civic engagement activities on campus and in the community
- Sociology graduate and McNair Scholar Athena Griffith received her master's degree.

Minutes of May 4, 2006

The May 4, 2006, minutes were approved.

One Book, One Campus (OBOC)

Meghan announced that copies of Bill Bryson's book, A Short History of Nearly Everything, were available in the dean's office. Meghan polled the chairs and Kathleen Barlow, Mary Ellen Reimund, Jim Schwing, and Stephanie Stein asked for copies. Those copies not issued to chairs will be issued to science honors students.

COTS Policies Manual

Editing of part 7 the COTS Policies Manual continued. The chairs discussed the need to include collegiality as a criterion for faculty evaluation. Meghan pointed out that this editorial process needs to be concluded before the 2006-07 academic year because it should be considered along with the university standard and departmental criteria when faculty are reviewed for personnel decisions. She asked the chairs for suggestions on how to integrate the collegiality article into the three areas of evaluation. The next meeting will begin with review of article 7.5. Meghan will get clarification on the composition of personnel committees.

Calendar Items

The next meetings will a retreat September 15, 2006.

Fall Faculty Day will be September 18

Chair training session will be September 13 or 14

COTS Chairs Retreat will be September 15

New faculty retreat day will be September 15, or 19

Dean's Plans

June 17-29 Cambridge, Massachusetts

July 7-14 and the week of August 9-22 (approximately)

Attachments

AAUP - Collegiality

Draft revision of the COTS Policies Manual