

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

Attending:

Barlow, Kathleen – Anthropology	Miller, M. Meghan, Dean
Boersma, Stuart F. – Mathematics	Alden, Margo – Physics
Darda, David – Biology	Schaefer, Todd - Political Science
Ely, Lisa L. – Geology	Schwing, James L. - Computer Science
Johnson, Kirk A. – Sociology	Stein, Stephanie - Psychology
Kurtz, Martha J. – Chemistry and Science Education	Thomas, Carin - Associate Dean
Lillquist, Karl D. – Geography	

Department Reports:

Anthropology

- Pat Lubinski -Pacific Northwest Archaeological Society (general public talk for an avocational society)
WHEN: Friday March 10 at 7 PM
WHERE: REI Headquarters in Seattle.
TITLE: Initial Excavations of the Wenas Creek Mammoth Site near Selah, Washington
AUTHORS: Patrick Lubinski, Bax Barton, Jake Shapley, Karl Lillquist, and Morris Uebelacker
SPEAKER: Patrick Lubinski
- Pat McCutcheon - Research Faculty Leave for Fall Quarter 2006 to write the contract summary report: "Reevaluating Prehistoric Human Land Use from the Sunrise Ridge Borrow Pit Site" on the slopes of Mt. Rainier.
- Anthropology faculty, graduate students and undergraduates are now in Seattle participating in the Northwest Anthropology Conference.
- Search interviews of 4 candidates will be conducted over the next two weeks.
- Kathleen Barlow had a paper accepted for the American Sociological Association Conference in August with her co-author, C. Elaine Dunbar. The paper is on inequalities in access to Gifted and Talented education.
- Tracy Andrews is presenting a poster at the Society for Applied Anthropology Meetings in Vancouver, B. C. on her research on Children's Diarrheal Illnesses among Yakima Valley Migrant Farm Workers. Several Resource management Graduate students are also attending with her: Ian Gray, Ben Sainsbury, Victoria Ciccione.

Biology

- We finished conducting on-campus interviews for the three Cell and Molecular Biology faculty positions at the end of Winter Quarter. Negotiations are progressing with two candidates, and a third offer is anticipated.
- Kris Ernest has had a manuscript accepted for publication that reports on some of her canopy crane work. (Shaw, D.C., K. A. Ernest, H. B. Rinker, and M.D. Lowman. In press (expected Oct. 2006). Stand-level herbivory in an old-growth conifer forest canopy. Western North American Naturalist.)
- The Regional Natural History class field trips over Spring Break were successes. Dan Beck and Lisa Ely are offered a field research trip to Baja California entitled Ecology and Geology of the Sonoran Desert. Paul James offered a field research trip to Hawaii entitled Coral Reef Ecology.
- Jim Johnson and Steve Wagner are attending the annual meeting of the Society for Northwestern Vertebrate Biology in Olympia this week. They led a workshop on Amphibian Disease Diagnostics and are presenting a paper (coauthors Dave Darda and students Eric Dean and Susan Belmont) on their findings of chytrid fungus infection in populations of frogs in Central Washington. Their students will present additional posters, as will students of Jason Irwin.
- Linda Raubeson has been awarded a Faculty Research Leave for Spring Quarter 2007. She plans to work on her research concerning chloroplast genomics and conifer evolution.
- Robert Weaver, a recently finished Biology M.S. student (Dave Darda, adviser) has been accepted into a Ph.D. program in Biology at Washington State University.
- Meghan Lahti, another recently finished Biology M.S. student (Dan Beck, adviser) has been accepted into a Ph.D. program in Biology at Utah State University.

Chemistry

- Anne Johansen presented CSI: Ellensburg at the Expanding Your Horizons conference for middle school girls on March 4, 2005. Martha Kurtz organized the event. Tim Sorey supervised volunteers and served as event photographer.
- The physical science departments in COTS (chemistry, geological sciences, and physics) were nominated by the American Association for University Women for their Progress in Equity Award for their success in recruiting, retaining, promoting and tenuring women faculty.
- Anne Johansen's environmental testing lab was accredited by the EPA for 9 additional components. Anne and Mari Sorey were complimented by DOE for their work.
- Cynthia Kuhlken and Lisa Stowe will receive their 10-year service awards in May.
- Niki Paulk and Lindsey Shank did an awesome job at the International AGU Ocean Sciences meeting in Hawaii (Feb 20-24). They both presented with lots of comments and great discussions from the audience. During this meeting they also met and discussed collaborations and logistics with ~15 of the scientists that will be participating in the Hawaii-Papua New Guinea-Hawaii cruise with Lindsey.
- Cynthia Kuhlken has worked hard to revamp the chemistry department website. The new version was launched last week.
- Cynthia Kuhlken and Lisa Stowe wrote a Len Thayer grant that was funded to purchase a digital camera for the department.
- Will Klein was accepted into the Science Honors program under the guidance of Eric Bullock. His proposal is titled 'Constructing, Programming, and Testing a Scanning Tunneling Microscope for Studying Molecular Self-Assembly at Surfaces'.
- Eric Bullock has been chosen as a member of the Scientific Program Committee for the Environmental Molecular Sciences Lab at PNNL. He will be helping to choose which proposals will be accepted for instrument time at this National Lab.
- Eric Bullock is giving an invited research seminar at WWU March 31 entitled, "The Self-Assembly of Two-Component Mixtures on Surfaces".

Computer Science

- Razvan had a paper accepted to IEEE World Conference on Computational Intelligence 2006 with Levente Fabry-Asztalos Chemistry, and students Sarah Abdul-Wahid Computer Science and Catherine Collar and Nicholas Salim Chemistry - An Integrated Soft Computing Approach for Predicting Biological Activity of Potential HIV-1 Protease Inhibitors.
- Computer Science students made final presentations of the results of their winter quarter senior projects.
 - Distributed Database Research Group** (S. Abdul-Wahid, J. Lemley, V. Mednick, J. Widger) – Faculty mentors: Razvan Andonie & James Schwing
The goal of this project was to investigate the use of computational intelligence techniques to optimize the load-balancing problem of how to optimally distribute the dataset so as to minimize the amount of time required to retrieve information scattered over several systems.
 - Team Archimedes** (T. Steffin, W. Leegard, N. Bitegeko, D. Alexander, H. Noguchi) - Faculty Mentor: James Schwing
The goal of this project was to help the Ed-Tech Center project eliminate redundant hand-processed tasks while increasing efficiency by replacing tedious spreadsheets with specially designed software.
 - Amphibious Design** (A. Howell, D. Hanson, B. Klocksiem, L. Tran) – Faculty Mentor: Grant Eastman
The goal for this project was to design an interactive web-based helpdesk for the CWU students and faculty.
 - Central Solutions** (L. Lohman, B. Hiatt, D. Slim, L. Martin) – Faculty mentor: Razvan Andonie
The goal of this project was to improve the online textbook reservations at Jerrol's for Central Washington University students.
 - Team Antibodies** (Parsons, S. Obert, M. Dean, H. Mohamed) - Faculty Mentor: Ed Gellenbeck
The goal of this project was to help the Kittitas County Health Department with a web-based solution to replace their current spreadsheets.
 - The Fantastic 4** (R. Larkin, G. Hail, Y. Ruvalcaba, K. Chen) – Faculty Mentor: Ed Gellenbeck
The goal of our project was to help the Learning Environment and Activity Portal (LEAP) Online to provide the students in isolated areas the opportunity to receive direct online academic assistance from college student tutors, particularly in mathematics.

The Panda Project (*W. Liao, U. Palenshus, J. White, M. Clark*) – *Faculty Mentor: Boris Kovalerchuk*
Inspired by a problem posed by the Defense Advanced Research Projects Agency's Information Exploitation Office, the goal of this project was to help the military determine if a vessel is hijacked and may be likely to be a threat to other vessels.

Geography and Land Studies

- Justin Bader, REM student, successfully defended his thesis "An Ecological Comparison and Classification of Lake Types within the Columbia National Wildlife Refuge, Washington" in February 2006. Anthony Gabriel supervised this research.
- Justin Bader, REM graduate student, presented "Ecological Characterization and Comparison of Lake Types in the Columbia National Wildlife Refuge, Washington" at the 2006 Annual Meeting of the Northwest Scientific Association in Boise, Idaho in March 2006. Anthony Gabriel supervised this research.
- Gina Bloodworth presented "Transboundary conflicts loom along the Columbia River" at the March 2006 Annual Meeting of the Association of American Geographers in Chicago.
- Daniel Didricksen, REM graduate student, presented "Assessing Steelhead Reintroduction Potential Using Benthic Macro-Invertebrate Community Structure and Habitat Condition Analyses on Manastash Creek, Kittitas County, Washington" at the 2006 Annual Meeting of the Northwest Scientific Association in Boise, Idaho in March 2006. Anthony Gabriel supervised this research.
- Anthony Gabriel (with Eric Snyder) received a \$30,000 contract from the Yakama Indian Nation in March for "Restoration of the Wapato Floodplain: A Template for the Preservation, Restoration, and Monitoring of Critical Habitat within the Wapato Floodplain of the Yakima River Basin, Washington (Phase 3)".
- Anthony Gabriel (with C. Donoghue and T. Gates) developed training courses and curriculum for the Washington Department of Ecology Coastal Training Program. They subsequently taught "Preparing shoreline characterizations for SMP updates" at the Padilla Bay National Estuarine Research Reserve in January 2006 and at CWU-Ellensburg in February 2006.
- Robert Hickey, Geography faculty, has a book review GIS Fundamentals, 2nd edition (by P. Bolstad) in press in The Journal of Spatial Sciences.
- Bob Hickey, with former REM graduate student Suzanne Wade, has "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.
- Jim Huckabay helped lead a discussion on "Private feeding of big game and its role in attracting mountain lions into residential neighborhoods" at a public meeting in Cle Elum in February.
- Jim Huckabay's "Creating International Collaborative Conflict Management" proposal was accepted for presentation at the 12th International Symposium on Society and Natural Resources in Vancouver, BC in June 2006.
- Jim Huckabay and REM graduate student Laura Applegate will facilitate a 90-minute presentation/training session on community resource management (using the Big Game Management Roundtable as a case study) at the 2006 U.S. EPA Community Involvement Conference in Milwaukee, Wisconsin in June 2006.
- Jim Huckabay's "Creating a Road Map to Collaborative Management of Environmental Conflicts" proposal was accepted for presentation at the International Symposium on Environment in Athens, Greece in August 2006.
- Nancy and John Hultquist helped prepare a proposal to create an additional Federally recognized viticultural area in Washington State-the Rattlesnake Hills American Viticultural Area (RSHAVA). Nancy and John contributed a geographical section to the petition and additional supporting arguments during the "public comments" phase conducted by the U.S. Treasury Alcohol and Tobacco Tax and Trade Bureau (TTB).
- Nancy Hultquist, with Geography undergraduate Rebekah LeBar, presented "Geography in your own Backyard" at the March 2006 Expanding Your Horizons event on CWU-Ellensburg's campus.
- Robert Kuhlken's book "A Rediscovered Frontier: Land Use and Resource Issues in the New West" (co-authored with Oregon State University Geographer Philip Jackson) continues to receive rave reviews throughout the Geography and Land Use communities.
- Caitlin LaBar, recently graduated Geography major, began an Environmental Science M.S. program at Washington State University-Vancouver in March 2006. Caitlin has a research assistantship and will be studying butterfly conservation/ecology with Dr. Cheryl Schultz. Caitlin's CWU mentor was Nancy Hultquist.
- Rebekah La Bar has accepted a teaching assistantship at Oklahoma University in the Meteorology M.S. program. Rebekah will begin in Fall 2006. Rebekah's CWU mentor is Nancy Hultquist.

- Karl Lillquist's "Historical Glacier and Climate Fluctuations at Mount Hood, Oregon" manuscript is in press with Arctic, Antarctic and Alpine Research. This manuscript is co-authored with former CWU undergraduate Karen Walker.
- Karl Lillquist presented "Old Datasets, New GIS and Historic Fluctuations of Glaciers and Climate, Mount Hood, Oregon" at the 2006 Annual Meeting of the Northwest Scientific Association in Boise, Idaho in March 2006.
- Cameron McCormick will lead a Study Abroad opportunity to Zambia for 11 students in June. This is the first CWU faculty-led Study Abroad program to Africa in many years.
- Julie Morgan, REM student, successfully defended her thesis "A Comparison of Bonneville Power Administration's Salmon Mitigation Spending Patterns with Biological Limiting Factors in the Yakima Subbasin" in February 2006. Nancy Hultquist supervised this research.
- Andrew Perkins and Janet Rhoades, REM graduate students, presented "Classification and Distribution of Lake Types in Washington State" at the 2006 Annual Meeting of the Northwest Scientific Association in Boise, Idaho in March 2006. Anthony Gabriel and Karl Lillquist supervised this research.
- Craig Revels presented "Mapping the Mahogany Landscape: Pattern and Process in Nineteenth-Century Honduras" at the Annual Meeting of the Association of American Geographers in Chicago in March 2006.
- Morris Uebelacker and Robert Kuhlken, Native American fellowships grant co-directors, secured an additional \$10,000/yr from the Bureau of Reclamation in March 2006 for Native American Fellows to travel to conferences and thesis research areas, and for thesis related equipment needs.
- Morris Uebelacker presented "Native American Land Use in Kittitas County" to the Kittitas County Historical Society in March 2006.
- Morris Uebelacker has been invited to participate as a member of a research team evaluating a prehistoric/historic Native American settlement in Hells Canyon beginning in late May 2006.

Geological Sciences

- Tabitha Trosper accepted into Science Honors Program (mentor Lisa Ely)
- Paul Hoskin received Faculty Research Leave for fall, 2006.
- Beth Pratt-Sitaula and Jeff Lee received COTS summer research grants
- Frank Ramos submitted NSF research grant
- Geology faculty Lisa Ely, Beth Pratt-Sitaula, Marie Ferland and Carey Gazis conducted two workshops at Expanding Your Horizons
- Robert D. Bentley scholarship for undergraduate Geological Sciences majors is established and we are preparing to make the first award this spring for the 2006-07 academic year.
- Charlie Rubin was featured on Discovery and BBC Special on tsunamis
- KCWU TV: Nick Zentner has been interviewing geology faculty and visiting speakers for the "Central Rocks" TV segments

Law and Justice

- The following law and justice faculty members presented papers at the annual meeting of the Academy of Criminal Justice Sciences, in Baltimore Feb. 28-March 4.
 - Teresa Francis: "Cruel and Unusual Punishment: Privatization of Health Care in the Jail and Prisons."
 - Mike Olivero and Rodrigo Murataya: "At-Risk Youth and Psychopathology."
 - Sarah Britto, With Students Tycy Hughes, Kurt Saltzman and Colin Stroh: "Deconstructing the Meaning of 'Special' in 'Law and Order: Special Victims Unit.'"
 - Key Sun: "Hate Offenders Mens Rea Victims Salience and Intergroup Conflict."

Mathematics

- This year's Central Washington team in the Mathematical Competition in Modeling (MCM) again had a great showing! They received a rank of "Meritorious" which put them in the top 18% of this competition. There were 748 teams competing from around the world. The only college in the Pacific Northwest that received a higher ranking was Carroll College in Montana. CWU's team outranked teams from University of Washington, Pacific Lutheran University, University of Puget Sound, Columbia University, Massachusetts Institute of Technology, and Harvey Mudd (among 614 others). This year's team consisted of:
 - Amy Matson (Eglin)
 - Blair Sherman
 - Loyd (Frederick) Lieske

Physics

- Andy Piacsek is on an American Institute of Physics (AIP) panel to judge the best science writing for 2005.

- Bruce Palmquist made a presentation called "Interdisciplinary Science for Future Teachers" at the annual meeting of the National Association of Community College Teacher Education Programs (NACCTEP) in Atlanta. He presented with a GRCC geology instructor and a CWU graduate who now teaches kindergarten.
- Bruce Palmquist moderated a round table discussion about teacher preparation coursework at the Best Practices in Teacher Preparation Programs: Focus on Students Conference in Atlanta.
- Sharon Rosell was reelected treasurer of the Pacific Northwest Association for College Physics at their recent annual meeting at PLU.

Political Science

- The biggest piece of good news was that John Swarthout, full-time, non-tenure-track instructor who collapsed with a heart attack on February 24th and was in critical condition, has improved. He was moved from Yakima to a Seattle hospital and is now conscious and recognizes and responds to visitors, and can even respond by writing on pad. However, he continues to have breathing and feeding tubes, and is in serious condition, though they hope to allow him to be moved back to his home (or a hospital near there) in Portland within the next month.
- The department completed its search for a tenure-track position in political theory & comparative politics, and is awaiting a response of an offer we made to the top candidate.
- Dr. Cameron Otopalik, a full-time, non-tenure-track instructor in International/Asian politics, has had an article entitled, "Taiwan's Quest for Independence: Progress on the Margins for Recognition of Statehood," accepted for publication in an upcoming (Summer, 2006) issue of the Asian Journal of Political Science.
- Robin Arquette, one of our majors, was accepted into the Washington Center's summer internship program in the Native American Program, and will be placed with a government agency in DC this summer.
- Scott Leadingham, a Political Science/Public Policy major, has been accepted into the Environmental Studies and Policy MA program at Indiana University and the Public Policy Program (MPP) at SUNY-Albany, and even received an assistantship from the former.

Psychology

- York University (Toronto) offers an outstanding Ph.D. program in the history of psychology. They will be launching a weekly 15-minute podcast called "This Week in the History of Psychology." It will feature two events each week, going into the context behind them and the way they influenced later psychology. The source of the events will be Warren Street's history of psychology database and website on the CWU server, developed in cooperation with the American Psychological Association. (<http://www.cwu.edu/~warren/today.html>).
- Brady Wilbanks, recent master's graduate, was accepted to the Ph.D. program at SUNY – Stony Brook to study under Howard Rachlin (Herrnstein's protege)
- Andrew Downs recently had a paper accepted for publication in the International Journal Social Development: Downs, A., Strand, P., & Cerna, S. (in press). *Emotion Understanding in English- and Spanish-speaking Preschoolers Enrolled in Head Start*.
- To be presented at the National Association of School Psychologists Annual Convention in March in Anaheim, CA:
 - Johnson, G., Matheson, M., DeVietti, T., & Peterson, J. *School Psychologist Retention and Recruitment: Insights from Practitioners*
 - DuPaul, G., & Weyandt, L. *Child psychopharmacology: Review of Efficacy and Roles for School Psychologists*.
- To be presented at the Western Psychological Association Conference in April in Palm Springs, California:
 - Downs, A., Downs, R.C., Johansen, M., & Fossum, M. *Facilitating Skill Development in Young Children with Disabilities*.
 - Downs, A., Strand, P., & Cerna, S. *Development of emotion understanding in Spanish and English-speaking preschoolers*.
 - Williams, W. & Brett, B. *Prior intimacy and gender effects on perceptions of rape*.
 - Schepman, Goedecke & Shimer-Geckle. *The Development of the Office Environment Survey*.
 - Schepman, Jones, Stein, Fendell, Sabol, & Stahelski. *The Relationship between Burnout, Organizational Citizenship Behavior, and Negative Affectivity*.
- To be presented at the Rocky Mt. Psychological Association Conference in April, 2006:

Susan (Jen-Shiuan) Shiau & Mary Lee Jensvold. *Chimpanzee Use of Modulation in Response to Questions*.

Alyssa M. Puffer, Mary Lee Jensvold, Deborah Fouts, & Roger Fouts. *Weather Influences Chimpanzees' Choice to Go Outside*.

Maureen S. McCarthy, Mary Lee Jensvold, Deborah Fouts, & Roger Fouts. *Space use in captive chimpanzee*.

- To be presented at Northwest Anthropological Association Conference in March, 2006:
Mary Lee Jensvold, Lori K. Sheeran, Rachel H. Halberg, Jennifer Keyser. *Laughter, number of play partners, and play bout duration in captive chimpanzees (Pan troglodytes)*.
- To be presented at the Association for Behavior Analysis Annual Convention, May 26-29, in Atlanta:
Workshop Instructor: 5/26/2006 10:00 AM - 5:00 PM. *Teaching Reading with Morningside Generative Instruction*. Kent Johnson (Morningside Academy), Kristine Melroe (Morningside Academy) Libby M. Street (Central Washington University), Elizabeth Haughton (Haughton Learning Center), Marianne Delgado (Morningside Academy), and Joanne K. Robbins (Morningside Academy)
Symposium Presentation: 5/27/2006 2:30 PM - 3:50 PM *Changing the Culture of a School: A "Four Frames" Analysis*. Libby M. Street (Central Washington University)
Invited Symposium Discussant: 5/29/2006 10:30 AM - 11:50 AM. *Instructional Design, Application, and Strategies for Writing Instruction* Chair: Bradley Frieswyk (BGF Performance Systems)
Discussant: Libby M. Street (Central Washington University)
- To be presented at the Association of Psychological Science 2006 Annual Convention in New York City in May:
Sorrells, R., & Garrou, S. *Improving Comprehension of Scientific Texts: Condensing and Reconstituting Knowledge*.
Sorrells, R., & Chang, K. *What Develops in the Development of Art Appreciation?*
Sorrells, R., Robinson, E., & Lutz, L. *FlexArt. A test of Mental Flexibility*.
- To be presented at the Hawaii International Conference on Business:
Schepman, Jones & Fendell (2006). *The Relationship between Burnout, Negative Affectivity, and Organizational Citizenship Behavior in a Non-Profit Organization*.
Schepman, Richmond & Becker (2006). *The Effects of a Goal-Setting Intervention on On-Time Deliveries in a Plastic Extrusion Manufacturing Firm*.

Science Education

- Ken Tobin visited from City University New York to serve as an external reviewer for our Program. We had a very positive interaction and look forward to his report.
- The Science Education Program faculty organized the Expanding Your Horizons conference for 5th-9th grade girls on March 4. Over 450 girls attended. Twenty women science, math, and engineering professionals presented including many from COTS departments.
- Tim Sorey served as a guest content specialist at the statewide WASL "Science Assessment Leadership Team" meeting March 22nd. He offered support to the writing team in writing WASL scenario questions

Sociology

- Eric Cheney signed a contract for the tenure-track vacancy
- Nelson Pichardo had a paper accepted for presentation at the Society for the Study of Social Problems' annual meeting this June in Montreal, Canada.
- Nelson Pichardo also offered an on-campus presentation this month ("Democracy and the Religious Right") which was sponsored by the Democratic student group
- Kande Cleary is presenting a paper at the American Indian Education conference in Nevada next week.

Special Meeting – Science Building Lessons

Meghan announced that there would probably be a special meeting on lessons learned from the process of planning the Dean Hall remodeling project for faculty affected by the project would be invited. The projected meeting date was April 20.

Speakers' Bureau – Keywords

Libby Street is coordinating the development of a resource directory. Meghan asked that suggestions be sent to Libby Street, President's Office, with a copy to Meghan.

Collective Bargaining Training April 10

Chairs who missed the meeting March 17 should attend this meeting for chairs, associate deans and administrative assistants.

Distinguished Alumni and Excellence in Teaching Nominations

Meghan called for nominations for the distinguished alumnus awards.

She also reminded the chairs that nominations for excellence in teaching awards were due Friday, April 27. Nominees for the excellence in teaching award should be tenure-track faculty members with more than two but fewer than six years of CWU experience, be excellent teachers (with evidence from student and peer evaluations) and have measurable success in advising and mentoring students.

HECB High Demand Grants

There may be new monies available from the Higher Education Coordinating Board to support high demand instruction. Also, the national emphasis on math and science should work to the advantage of COTS departments for the upcoming budget.

Native American Advisory Council to Meet

Meghan noted that the Native American Indian Advisory Council would meet April 7. This will be less structured than past meetings. Stuart Boersma and Meghan Miller will participate in math on the reservations.

Overload Rates

The chairs discussed the effect of the new faculty collective bargaining agreement on overload rates.

Development

George Cole reported that donors will be provided with reports on how their gifts were used. Geological Sciences graduates from the 70's and 80's will be contacted to see if they want to donate to the Bentley scholarship. George discussed some of the other contacts that have been made or are in process. He and Meghan will be going to Austin, Texas soon to meet with eight or nine successful CWU graduates.

Technology Upgrades

Meghan asked if all necessary technology upgrades would be met by the end of the year. Lisa Ely pointed out that the Win-Win program isn't be available to replace computers in classrooms. Meghan suggested that the chairs approach Lynn Linnell or David Kaufman about supporting replacement of obsolete classroom technology.

Attachments:

Budget driver report
CUPA data – fall 2005