Event
Dr. Gordon Uno’s (Botany & Microbiology) grant titled “Introductory Biology Project (IBP)” from the NSF’s RCN-UBE program supported the “Thinking Evolutionarily: Evolution Education Across the Life Sciences” conference held in Washington, DC. October 25-26, 2011.

Carla Atkinson (Ph.D. student, Biology) has received the EPA’s STAR Fellowship award. Atkinson was awarded up to $42,000 for three years for her research on freshwater mussels in North America and their role in the ecosystem.

Apollo astronaut Charlie Duke presented undergraduate student Bradley Pirtle (Computer Science) with a $10,000 scholarship from the Astronaut Scholarship Foundation (ASF) during a public presentation and ceremony held on September 28, 2011 in the Devon Energy Hall Atrium at OU.

Paul Howard (Ph.D. student, Mathematics Education) presented his research on teacher beliefs about the teaching and learning of mathematics at the Christian Scholars’ Conference at Pepperdine University in June 2011.

Ph.D. students Mary Harper and Lindsay Prugh (Mathematics Education) presented at the Research Council on Mathematics Learning Annual Conferences, Cincinnati, OH in March 2011 and the Oklahoma Council of Teachers of Mathematics Annual Conference, Oklahoma City, OK, July 2011.

Rachael Province and Nina Coerver (Ph.D. students, Social Studies Education) presented their paper titled “Promoting Social Justice through a Multicultural Arts Education Course: A Critical Action Research Study” at the annual meeting of the College and University Faculty Assembly, an affiliate of the National Council for the Social Studies.


University Team Awarded $10.7 Million

Norah Dunbar (Communication/CASR), Matthew Jensen (Management Information Systems), Claude Miller (Communication) and Scott Wilson (K-20 Center) have been awarded a $10.7 million multi-year contract from the Air Force Research Laboratory in support of the Intelligence Advanced Research Projects Activity to develop an educational video game or “serious game” to train intelligence analysts and measure their proficiency in recognizing and mitigating the cognitive biases that affect intelligence analysis. The game is called Intelligence Crisis: Codename MACBETH, which stands for Mitigating Analyst Cognitive Bias by Eliminating Task Heuristics. The objective of the game is to improve accuracy of credibility assessments and mitigate cognitive biases of future intelligence analysts. The game is a learning system where players must counteract threats to American interests by using the intelligence data at hand without allowing their cognitive biases to cloud their judgment.
Recognition

Kathleen Crowther’s (History of Science) book, *Adam and Eve in the Protestant Reformation* (Cambridge University Press, 2010), was awarded the Gerald Strauss Prize at the Annual Meeting of the Sixteenth Century Society, held in Fort Worth, TX October 27-30. The prize includes a $1000 award.

New Books

- University of Minnesota Press has published *Citizens’ Media against Armed Conflict Disrupting Violence in Colombia* by Dr. Clemencia Rodriguez (Communication).

- Oxford University Press has published *Fluorine-Related Nanoscience with Energy Applications* by Dr. Donna Nelson and Christopher Brammer (previous M.S. student) (Chemistry & Biochemistry).

- Cambridge University Press has published *Captives of Sovereignty* by Dr. Jonathan Havercroft (Political Science).

- Rowman & Littlefield has published *The Making of the Modern Jewish Bible* by Dr. Alan Levenson (History/Judaic & Israel Studies).

- Temple University Press has published *Hope is Cut: Youth, Unemployment and the Future in Urban Ethiopia* by Dr. Daniel Mains (Honors College).

- Böhlau has published *Vorbild und Gegenbild. Das iberische Judentum in der deutsch-jüdischen Erinnerungskultur 1779-1939* by Dr. Carsten Schapkow (History/Judaic & Israel Studies).

- University Press of Kansas has published *Promised Lands: Promotion, Memory, and the Creation of the American West* by Dr. David Wrobel (History).

- Praeger has published *Leonidas and the Kings of Sparta* by Dr. Alfred S. Bradford (History).
Faculty Recognition

- Dr. Catherine Kelly (History) has been elected to the Advisory Council of the Society for Historians of the Early American Republic.

- Dr. Fred Carr (Meteorology) was elected to a second term on the Board of Trustees for the University Corporation for Atmospheric Research (UCAR). The UCAR Board is responsible for the management of the National Center for Atmospheric Research in Boulder, CO, the nation’s largest atmospheric science research institution.

- Dr. Stephen Norwood (History) was elected to membership in the Cosmos Club in Washington, D.C. in honor of his outstanding record publication.

- Dr. Subhash Shah (Petroleum and Geological Engineering) has been recently recognized as 2012-2013 Distinguished Lecturer by the Society of Petroleum Engineers (SPE). During his term, Dr. Shah will travel throughout the world and deliver lectures on his research expertise to various SPE sections.

- Dr. David Sabatini has been selected to receive a 2012 Civil and Environmental Engineering Alumni Association’s Distinguished Alumnus Award from the Department of Civil and Environmental Engineering at the University of Illinois.

- Dr. Yoshi Sasaki (Meteorology) was named an Honorary Member of the American Meteorological Society. Honorary Members are considered persons of acknowledged preeminence in the atmospheric or related oceanic or hydrologic sciences, either through their own contributions to the sciences or their application or through furtherance of the advance of those sciences in some other way.

- Dr. Victor Hutchinson (George Lynn Cross Research Professor emeritus, Zoology) has received the Jack Renner Distinguished Service to Oklahoma Science Education Award. Dr. Hutchinson’s list of accomplishments is long and varied. A retired Colonel in the Army Reserve, a fellow in the American Academy for the Advancement of Science, a member of the American Institute of Biological Sciences, holder of leadership positions in the American Society of Ichthyologists and Herpetologists, author or co-author for nearly 150 peer reviewed scientific papers, supervisor for 28 PhD’s ... the list goes on and on. Dr. Hutchinson has had a very full and active career as a research scientist and University professor.
President’s Monthly Research and Development Highlights

OU to Host the South-Central Climate Science Center

Dr. Berrien Moore (College of Atmospheric & Geographic Sciences), Dr. Renee McPherson (Climate Survey), Dr. Hank Jenkins-Smith (Political Science), Dr. David Parsons (Meteorology), Dr. Paul Risser (Research Cabinet), Dr. Mark Shafer (Climate Survey), Dr. Aondover Tarhule (Geography & Environmental Sustainability), Dr. Caryn Vaughn (Biological Survey), and Dr. Xiangming Xiao (Botany & Microbiology) led a seven-member consortium to win the bid to host the U.S. Department of Interior’s South-Central Climate Science Center. OU leads a consortium that provides the expertise and strengths of four regional universities, two tribal nations, and a national laboratory to address the topics of climate variability and change. Consortium members are: Texas Tech University, Louisiana State University, The Chickasaw Nation, The Choctaw Nation of Oklahoma, Oklahoma State University, and NOAA’s Geophysical Fluid Dynamics Laboratory. The five-year base funding for the new Center will be $4 million. An additional $2 million per year of flexible science funding will become available after the Center establishes its science plan. The Center will bring researchers from the U.S. Geological Survey as well as a tribal sustainability scientist (from the Chickasaw and Choctaw Nations) to the OU campus as part of the research team. The Center proposal was developed in close coordination with OU’s Center for Research Program Development and Enrichment. The South-Central Climate Science Center is one of eight centers that form a national network to provide the scientific talent for understanding how climate change and other landscape stressors will change the face of the United States, and how the Department of the Interior, as our nation’s chief steward of natural and cultural resources, can prepare and respond.

The Value of Investment Banking Relationships

In a new study that is forthcoming in the Journal of Finance, Drs. Chitru Fernando and Bill Megginson (Finance) and Anthony May of Wichita State University use the Lehman collapse to examine the long-standing question of whether firms derive value from investment bank relationships. They study how the Lehman collapse affected industrial firms that received underwriting, advisory, analyst and market-making services from Lehman. After adjusting for the overall market decline during that period, Lehman’s equity underwriting clients experienced a further abnormal negative return of around five percent, on average, in the seven days surrounding Lehman’s bankruptcy, amounting to $23 billion in aggregate risk-adjusted losses. Losses were especially severe for companies that had stronger and broader security underwriting relationships with Lehman or were smaller, younger and more financially constrained. Other client groups were not adversely affected. The authors also presented their findings at several leading conferences and universities around the world, including the annual American Finance Association meetings; Financial Intermediation Research Society conference; and the U.S., European and Asian meetings of the Financial Management Association.
Service

Dr. David Wrobel (History) delivered a lecture in the OAH Distinguished Lecturers Series as a keynote address at the Eleventh Annual Idaho Council for History Education History and Social Sciences Conference, October 6 & 7, 2011. The conference was titled "Main Currents in the 20th Century." His talk was titled "Causation: The Teacher’s and Student’s Nightmare and Salvation."

- ARRC faculty members Dr. Robert Palmer and Dr. Tian-You Yu recently traveled to Japan to work with the Japan Meteorological Agency and Toshiba Corporation on their advanced solid-state polarimetric radar. This new system was used to test several ideas related to pulse compression and general waveform design, which will have a direct impact on future phased array weather radar design.

- Dr. Joe Watkins and Instructor Carol Ellick (Native American Studies) participated in excavations at an epi-Jomon archaeological site in Utoro, Hokkaido, Japan.
October New Awards

- Ramadan Ahmed
  School of Petroleum & Geological Engineering
  "Effect of H2S and CO2 in HPHT Wells on Tubulars and Cement"
  DOI-BOEMRE
  $1,158,373

- Mohammed Atiquzzaman
  School of Computer Science
  "University of Oklahoma Crash Reporting and Analysis"
  OK-SAFE
  $54,660

- Ronald Barnes
  School of Electrical Engineering
  "OU Software Development & Integration Project"
  OK-SAFE
  $220,000

- Laura Bartley
  Department of Botany & Microbiology
  "Association Mapping of Cell Wall Synthesis Regulatory Genes and Cell Wall Quality in Switchgrass"
  US-DOE
  $472,378

- Denise Beesley
  Department of Educational Psychology
  "Practicum Placement"
  NP-DCPS/NP-MUSCOGE
  $30,628

- Robert Brooks
  Archaeological Survey II
  "Oklahoma Highway Cultural Resource Program, FY 2011-2012"
  OK-TRAN
  $93,6981

- Laura Brunson
  School of Civil Engineering & Environmental Science
  "Sustainable Technologies for Fluoride Removal from Drinking Water for Rural Communities in Developing Regions"
  EPA
  $11,828

- Jean Cate
  K-20 Center
  "OKCPS Technology Integration and Common Core State Standards (TICCSS)"
  NP-OKCPS
  $150,000

- Amy Cerato
  School of Civil Engineering & Environmental Science
  "Real-time Monitoring of Slope Stability in Eastern Oklahoma"
  OK-TRAN
  $88,531

- Sesh Commuri
  School of Electrical Engineering
  "New Asphalt Mix Design Program for ODOT"
  OK-TRAN
  $89,995

- Eric Day
  Department of Psychology
  "VSLP Virtual Platoon Leader Training - Phase II"
  UN-TEX
  $56,592

- Norah Dunbar
  Department of Communication
  "Credibility Assessment and Intelligence Analysis Training in a Serious Game"
  IARPA
  $3,003,518

- Kimberly Elmore
  CIMMS
  "Incorporating Spatial Analysis of Forecast Performance into the MET Package at the DTC"
  DEVTESTBEDCTR
  $8,806

- Rong Gan
  School of Aerospace & Mechanical Engineering
  "Blood Flow Oscillations and Early Detection of Pressure Ulcers in Older Adults"
  HSC
  $21,870
October New Awards

- Amy Goodin  
  Department of Political Science  
  "Oklahoma State Department of Education Year 4 Exit Study"  
  OK-EDUC  
  $28,515

- Karl Hambright  
  Biological Station Research  
  "Analysis of Florida and Northern Strain Large Mouth Bass Using Microsatellites"  
  OK-WILD  
  $15,000

- Yiqi Luo  
  Department of Botany & Microbiology  
  "Effects of Warming the Deep Soil and Permafrost on Ecosystem Carbon Balance in Alaskan Tundra: A Coupled Measurement and Modeling Approach"  
  UN-FLORIDA  
  $50,000

- Gerald Miller  
  School of Civil Engineering & Environmental Science  
  "Interpretation of In Situ Tests as Affected by Soil Suction"  
  OSU  
  $80,000

- Gerald Miller  
  School of Civil Engineering & Environmental Science  
  "The Effects of Soil Suction on Shallow Slope Stability"  
  OSU  
  $112,500

- Hazem Refai  
  Tulsa-School of Electrical Engineering  
  "Portable WIM data for Pavement Design"  
  OK-TRAN  
  $103,009

- Thordur Runolfsson  
  School of Electrical Engineering  
  "Real Time Assessment of Dynamic Loads on Bridges"  
  OSU  
  $84,635

- Guoqiang Shen  
  Division of Regional & City Planning  
  "Developing Cutting-Edge Educational, Outreach and Diversity Programs in Transportation and Logistics for Oklahoma"  
  OSU  
  $175,000

- Kelvin White  
  School of Library & Information Studies  
  "Building the Future of Archival Education and Research, Phase Two"  
  UN-UCLA  
  $12,600

- Kendra Williams-Diehm  
  Department of Educational Psychology  
  "Secondary Transition Education Scholars: Preparing Masters Level Graduates to Serve Secondary Students with Disabilities"  
  US-DEOSER  
  $238,108

- Scott Wilson  
  K-20 Center  
  "K20 GEAR UP for the PROMISE (Promoting Readiness through Opportunities that Motivate and Increase Student Expectations"  
  US-EDUC  
  $3,716,800

- Tian-You Yu  
  School of Electrical Engineering  
  "Kakuho Assimilation of Analysis and Nowcast in Combination with A.I., Dynamics and Statistics - Step.4"  
  Weathernews  
  $22,619

- Md Zaman  
  Engineering Dean  
  "Develop Draft Chip Seal Cover Aggregate Specifications Based on Aggregate Imaging System (AIMS) Angularity, Shape and Texture Test Results"  
  OK-Tran  
  $45,570