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ILAC Graduate Student Publications

Jennifer Robinson (Ph.D.) (2011) completed a book review of *American Citizen, Global Citizen* by Gerzon in the *International Journal of Multicultural Education* 13(2).

Mindie Dieu (Ph.D.) (In press) completed a book review of *The White Rabbit: An Exhortation for Busy Adjuncts Writing and Pedagogy*.

Faculty Recognition

- Younane Abousleiman (Integrated PoroMechanics Institute) and Roger Slatt (Geology & Geophysics) presented a poster titled "*Multi-scale, Brittle-Ductile Couplets in Unconventional Gas Shales: Merging Sequence Stratigraphy and Geomechanics*" at the 2011 American Association of Petroleum Geologist annual convention. It was selected for the Jules Braunstein Award (best poster at the convention) and the Loyd Carlson Memorial Award (best poster by one of the AAPG divisions). 
- Michael G. Bemben (Health and Exercise Science) was inducted as a Fellow in the National Academy of Kinesiology last September. He is fellow number 504 since this organization was founded in 1926. 
- Sara Ann (Sally) Beach (Ruby Grant Reading Research Initiative) has been appointed to the Technical Content Working Group for English Language Arts/Literacy by the governing board of the Partnership for Assessment of Readiness of College and Careers (PARCC). This group will help guide the development of PARCC's development of professional development plans, instructional materials and the next-generation assessment system to be used nationwide in assessing the Common Core State Standards in Literacy that will help ensure that students from across the nation are prepared for college and careers.
- Mary Margaret Holt (School of Dance) was invited to create choreography to the music of Norman Dello Joio for the debut concert of the Norman Philharmonic Orchestra on Sunday, January 15, 2012 at the Nancy O'Brian Center for the Arts. Holt created choreography for four sections of Dello Joio's music based on Ecclesiastes for the concert. Dancers were School of Dance lecturer Holly Schmidt, ballet performance junior Austin Lintner and modern dance performance senior Renee Beneteau. 
- The research directed by Roger Harrison (Chemical, Biological & Materials Engineering) on the project "New Enzyme Prodrug and Methionine-Depletion Combination Therapy of Breast Cancer Designed for Effective Delivery to the Tumor" was highlighted in the latest program book for the Congressionally Directed Medical Research Programs' Breast Cancer Research Program, available online at <http://cdmrp.army.mil/pubs/pips/bcpip.pdf>.
- Kevin Butterfield (Classics & Letters) has been awarded a prestigious NEH Fellowship to spend next year working on his research at the New York Historical Society Museum and Library. 



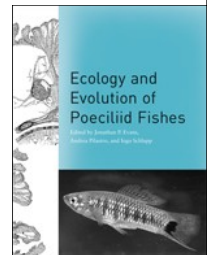
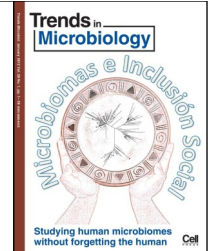
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Recognition

The Honors College has awarded History major Cameron Joseph Dabiri an Undergraduate Research Opportunities Program grant for a comparative urban studies project on Cold-War urban planning and mass housing in the German Democratic Republic and beyond. Dabiri will be looking at primary sources at the National Archives and presenting his findings at the Undergraduate Research Day in the spring semester 2012. Faculty sponsor: Janet Ward, Professor of History.

Publications

- Trends in Microbiology has published *The Human Microbiome Project: Lessons from Human Genomics* (January 2012, Vol. 20, Issue 1) by Cecil Lewis, Alexandra Obregón-Tito, Raul Tito, Morris Foster and Paul Spicer (Anthropology).
- McGraw-Hill has published the first edition textbook *Biology: The Essentials* by Mariëlle H. Hoefnagels (Botany & Microbiology, Zoology).
- The University of Oklahoma Press has published *The People Who Stayed: Southeastern Indian Writing Since Removal* by Geary Hobson (English) and edited with Janet McAdams and Kathryn Walkiewicz.
- Michigan State University Press has published *Plain of Jars and Other Stories. (Short Stories)* by Geary Hobson (English).
- The University of Chicago Press published *Ecology and Evolution of Poeciliid Fishes* by Jonathan Evans, Andrea Pilastro, and Ingo Schlupp (Zoology).



Twenty New Species of Plant-Bugs Named

Katrina Menard (Sam Noble Museum) recently described 20 new species of plant-bugs (Heteroptera: Miridae) from Papua New Guinea, Australia and the Solomon Islands. Menard's co-authored work was published in the Bulletin of the American Museum of Natural History in November 2011.



Image: New species Ausejanus tiramisu Menard and Schuh from coastal Australia, on its host-plant Olearia axillaris

Rainwatch

Pete Lamb (CIMMS), Aondover Tarhule (Geog), and former graduate student Zakari Saley Bana (SoM) has developed a computer application that integrates several pieces of software to manage, process and visualize rainfall data. Known as Rainwatch, the system makes use of Excel spreadsheets, Access database and ArcGIS to generate visual representations of daily rainfall data in a manner that can be easily interpreted and understood by interested parties, including farmers. From previous studies the researchers concluded that farmers in Africa understand rainfall data by comparing it with past indicator years of good and poor rainfall. Utilizing this concept, Rainwatch generates percentiles representing the evolving season's rainfall that are superimposed on seasonal percentile plots of a selected location or specified years. Users select the years or locations to be compared from interactive pull down menus. When tested at the ACMAD (African Center for Meteorological Applications for Development) in Niamey, Niger, new users with little familiarity with computers could comfortably navigate their way through the system within 10 minutes. Since 2010, Rainwatch has been used at ACMAD and by *Direction de la Météorologie Nationale du Niger* (DMNN) Niger for monitoring rainfall. With further improvements currently underway, the researchers believe Rainwatch could become Africa's version of Australia's Rainman.

**December New Awards**

- **Peter Attar**
School of Aerospace & Mechanical Engineering
"Experimental Study of the Gust Response of Membrane Micro Air Vehicles"
NP-OAI
\$51,896
- **Ronald Barnes**
School of Electrical Engineering
"Fatality Analysis Reporting System and Roadway Inventory Correlation"
OSU
\$100,000
- **Sesh Commuri**
School of Electrical Engineering
"Residual Limb Measures during Biomechanical Work-Related Activities in Adult Oklahomans with Unilateral Trans-tibial Amputation due to a Traumatic Event"
HSC
\$2,500
- **Sesh Commuri**
School of Electrical Engineering
"Evaluation of Asphalt Pavements using a Portable Lightweight Deflectometer"
OSU
\$98,087
- **Fanyou Kong**
Center for Analysis and Prediction of Storms
"CAPS support to the WRF Lightning Forecast Algorithm for the NOAA R3 Effort"
NP-USRA
\$14,408
- **Donald MacGorman**
Cooperative Institute for Mesoscale Meteorological Studies
"Collaborative Research: Thunderstorm Influences on Lightning and Atmospheric Chemistry in Oklahoma and North Texas during the Deep Convective Clouds and Chemistry (DC3) Project"
NSF
\$219,317
- **Chuanbin Mao**
Department of Chemistry & Biochemistry
"Peptide-Mediated Osteogenic Differentiation of Induced Pluripotent Stem Cells"
NP-OCASCR
\$56,000
- **Kanthasamy Muraleetharan**
School of Civil Engineering & Environmental Science
"Evaluation of Enhanced Integrated Climatic Model for Oklahoma Pavements"
OSU
\$40,000
- **Kyle Murray**
Oklahoma Geological Survey
"GIS and Web-Based Water Resource Geospatial Infrastructure for Oil Shale Development"
UN-CSM
\$28,250
- **Michael Wenger**
Department of Psychology
"Short-term Mentored Career Development Award: Iron Metabolism, Brain Energetics, and Perceptual and Cognitive Performance"
HHS-NIH
\$109,652
- **Kaelin Young**
Department of Health & Exercise Science
"Effects of 12 Weeks Walking with and without Blood Flow Restriction on Bone Metabolic Markers"
FD-ACSMF
\$5,000