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Office of Research, Awards & Recognition, April 09, 2008

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Awards & Recognition

THE UNIVERSITY of TENNESSEE KNOXVILLE

RESEARCH, SCHOLARSHIP, CREATIVE ACTIVITY

9 APRIL 08

Awards for UT Knoxville, 20 March-3 April 2008

INVESTIGATOR	TITLE	SPONSOR	AWARD
College of Arts and Sciences			
MAYS, JIMMY W.	Advanced Tube Theories for Predicting the Rheology of Model and Commercial Polymers	University of Michigan	$32,017
Mays, Jimmy W.	Materials World Network: Molecular Engineering of Polymers for Processing Performance and Properties	Virginia Tech-Office of Sponsored Programs	$80,000
XUE, ZILING	Non-Intrusive Optical Sensor Suite for Characterizing Environmentally Sensitive Rocket Plume	InnoSense, LLC	$35,000
Perfect, Edmund	Quantification of Hydrological, Geochemical, and Mineralogical Processes Governing the Fate and Transport of Uranium Over Multiple Scales in Hanford S	UT-Battelle, LLC-Oak Ridge National Laboratory	$40,000
Horn, Sally P.; Mora, Claudia I.;Orvis, Kenneth H.	Holocene Climate Dynamics and Environmental History in the Northeast Caribbean	National Science Foundation	$18,415
DAI, PENGCHENG	Using Neutron As A Probe To Study Strongly Correlated Electron Materials	UT-Battelle, LLC-Oak Ridge National Laboratory	$40,005
Peterson, Cynthia B.; Becker, Jeffrey M.	Research Activities in Functional Genomics	UT-Battelle, LLC-Oak Ridge National Laboratory	$21,379
College of Business Administration			
FOX, WILLIAM F.; MURRAY, MATTHEW N.	Conduct an Assessment of the Transportation Equipment Sector and the Tennessee State Economy	TN Department of Economic and Community Development	$50,000
College of Communication and Information			
Suttles, Barbara C.	Genome Management Information System - Research Associate	UT-Battelle - Oak Ridge National Laboratory	$23,000
College of Education, Health and Human Sciences			
RAYNOR, HOLLIE	Childhood Obesity Treatment Targeting Specific Behaviors	NIH - National Institute Diabetes, Digestive and Ki	$1,354
College of Engineering			
Bruns, Duane D.; Nguyen, Ke	Support of Dynamics Days 2008	U.S. Army Research Office	$20,000
Tolbert, Leon M.; Islam, Syed K Li, Fangxing; QI, HAIRONG; WANG, XIAORUI	Power Electronics Evaluation for DER and T & D	UT-Battelle, LLC-Oak Ridge National Laboratory	$120,000
HAYWARD, JASON PETER; DODDS, HAROLD L.	Joint Faculty	UT-Battelle, LLC-Oak Ridge National Laboratory	$39,300
UPADHYAYA, BELLE R.	Instrumentation, Controls and Human-Machine Interface for Grid-Appropriate Reactors	UT-Battelle, LLC-Oak Ridge National Laboratory	$6,299
Campus Centers and Joint Institutes			
BELL, LARRY L.	Carbon Off-Sets	UT-Battelle, LLC-Oak Ridge National Laboratory	$9,979

Library reception honors UT faculty authors

On 1 April, the UT Office of Research and UT Libraries sponsored a display and reception honoring all UT Knoxville faculty who have published a book in 2006, 2007, or 2008. To continue the recognition, the list of authors will be published over several issues of the newsletter, as space allows.

NAME	BOOK TITLE, PUBLISHER, DATE
Aiken, Charles	William Faulkner and the Southern Landscape / 2008.
Allington, Richard	No Quick Fix: The RTI edition. (with Walmsley,S.) / NY: Teachers College Press. 2007.
Allington, Richard	What really matters for fluency NY: Allyn-Bacon. 2008.
Allington, Richard	What really matters for struggling readers: Designing research-based programs. (2nd ed.). Boston: Allyn-Bacon. 2006.
Allington, Richard	Schools that work. / Boston: Allyn-Bacon 2007
Allington, Richard	Classrooms that work. / Boston: Allyn-Bacon 2007
Anderson, David G.	Climate Change & Cultural Dynamics: A Global Perspective on Mid-Holocene Transitions. (with Kirk A. Maasch and Daniel H. Sandweiss) / Academic Press. 2007.
Anderson, Ken	Prentice Hall's Federal Taxation: Corporations, Partnerships, Estates, and Trusts/ Anderson, K.E., Pope, and J.L. Kramer, eds. / Prentice Hall 2000-2009 Editions
Anderson, Ken	Prentice Hall's Federal Taxation: Individuals / Pope, T.R., K.E. Anderson, and J.L. Kramer, eds. / Prentice Hall 1996-2009 Editions
Anfara, Vincent.A.	Theoretical frameworks in qualitative research (with Mertz, N.T.) / Thousand Oaks, CA: Sage, 2006.

Continued . . .

'. . . Faculty books,' continued

Anfara, Vincent.A.	The developmentally responsive middle level principal: A leadership model and measurement instrument. (with: Roney, K., Smorkola, C., DuCette, J., & Gross, S.J.) / Westerville, OH: National Middle School Association. 2006
Anfara, Vincent.A.	The Young Adolescent and the Middle School (with: Mertens, S.B., & Caskey, M.) / Charlotte, NC: Information Age Publishing. (in press)
Anfara, Vincent.A.	Student Achievement and the Middle School Concept: Creating Healty and Effective Schools.(with:Roney, K., & Brown, A.) / Westerville, OH: National Middle School Association. (in press)
Aquila, Richard	The World as Will and Presentation, translation of Arthur Schopenhauer, Die Welt as Wille und Vorstellung, vol.1 / New York: Longman, 2007.
Arnold, Denis	Ethical Theory and Business, 8th ed. / Prentice-Hall, 2009. (note** this is a textbook)
Arnold, Nike	Calling on CALL: From theory and research to new directions in foreign language teaching / San Marcos, TX: CALICO. 2006.
Ash, Steve	Middle Tennessee Society Transformed, 1860-1870 (Steve Ash did the paperback reprints new preface)
Ash, Steve	Firebrand of Liberty: The Story of Two Black Regiments that Changed the Course of the Civil War / W.W. Norton, 2008.
Ashdown, Paul	The Myth of Nathan Bedford Forrest (with Paul Ashdown) / Lanham, MD: Rowman & Littlefield, 2006.
Ashdown, Paul	Sherman's March in Myth and Memory (with Paul Ashdown) / Lanham, MD: Rowman & Littlefield, 2008.
Ayo, Alvaro	La Tragicomedia de la certidumbre perdida: Perez de Ayala y su narrativa / Newark, Delaware: Juan de la Cuesta, 2006.
Baker, A.J.	The Computational Engineering Sciences / j-Computek Press, Loudon TN. 2006
Bassett, David	Pedometer walking: Stepping you way to health, weight loss, and fitness.(with Fenton, M.) / Cuilford, CT: The Lyons Press. 2006.
Bell, Sherry M.	Handbook of Reading Assessment. (with McCallum, R.S.) / Boston: Allyn & Bacon. 2008.
Berry, Michael	Lecture Notes in Data Mining, (M.W. Berry and M. Browne as editors) / World Scientific, Singapore. 2006.
Berry, Michael	Survey of Text Mining II: Clustering, Classification, and Retrieval, M.W. Berry and M. Collate Editions / Springer, London. 2008.
Billone, Amy	Little Songs: Women, Silence, and the Nineteenth-Century Sonnet. / Columbus: Ohio State University Press, 2007.
Blaze, Douglas	Law of Negligence in Arizona (with Jefferson Lankford) (3rd ed.) / 2007.
Bogue, Grady	Leadership Legacy Moments: Visions and Values for Stewards fo Collegiate Misson / ACE/Praeger. 2007.
Bowie, Stan	African American Behavior in the Social Environment: New Perspectives / Haworth Press. 2008
Burman, Thomas	Reading the Qur'an in Latin Christendom, 1140-1560 / University of Pennsylvania Press, 2007.

EURCA honors . . .

The 12th annual **Exhibition of Undergraduate Research and Creative Activity** closed on 4 April, after an awards ceremony and musical performances at the UT Music Recital Hall.

Some 290 students entered 162 projects from nine colleges, one school, and one department. More than a hundred faculty served as mentors on the research and creative projects.

Winners of Phi Kappa Phi awards included:

In art, **Aaron Benson** for "Loss," mentored by **Sally Brogden.**

In humanities, **Jeffrey Tithof** for "New Covariant Constraints for New Forces of Nature," mentored by **Yuri Kamychkov.**

In engineering, **Soumyo Dutta, Norman Rivera, Tyrone Phillips, Gerald Bienick, Franklin Curtis,** and **William Hazzard** for "Design, Build, and Fly: The Evolution of a Model Aircraft," mentored by **Robert Bond.**

The **William Harris III** Undergraduate Research Award went to **Abagale Reddy** in nutrition, for "The roles of beta-hydroxybutyrate and glucose in the efficacy of a new experimental diet formulation for the treatment of epilepsy in the EL mouse model." Her faculty mentor was **Melissa Hansen-Petrik.**

In all some 63 undergraduates received awards.

Faculty members **David Golden, Brian Ambroziak, Suzanne Wright, Bill Dunne, Dan Haygood, Vena Long, Roger Parsons, Andrew Skoog, Johnie Mozingo, Sarah Craun,** and **Kenton Yeager** represented their divisions on the steering committee, and **Greg Reed,** associate vice chancellor for research, and **Jane Taylor** facilitated the exhibition.

. . . & other accomplishments

The $65-million National Science Foundation grant for supercomputing awarded officially to the University of Tennessee last week had extraordinary technical support from personnel associated with 1534 White Avenue. **Kim Summerfield,** Sponsored Programs coordinator; **Don Reed,** then research centers budget director; **Carol Malkemus,** manager of Sponsored Projects Accounting; and **Arlene Garrison,** then assistant vice president of research, put in long hours on the budget documentation of the massive proposal.

Michael Kulikowski, associate professor in history, has received a Burkhardt Fellowship for $75,000 for the 2009-10 academic year. Kulikowski will study "The Rhetoric of Being Roman: Fourth-Century Politics and the Fall of the Roman Empire."

Christine "Tina" Shepardson, assistant professor in religious studies, has received a Franklin Research Grant from the American Philosophical Society and additionally has received a summer stipend from the National Endowment for the Humanities to pursue the study of Christianity in fourth-century Antioch (Antakya, Turkey).

Dayakar Penumadu, UT professor and interim head of civil and environmental engineering, has received the American Society of Civil Engineers' Editorial Board Member Exemplary Service Award for his work on the Journal of Geotechnical and Geo-environmental Engineering.

Neal Shover, professor in sociology, will deliver an invited seminar and lecture at Erasmus University in Rotterdam, Netherlands, on 10 April. As part of the program on white-collar crime, Shover will present "Corporate Self-Regulation: Movement, Misgivings and Methods of Assessment."

Ben Bates, professor in journalism and electronic media, has had two papers accepted for presentation at conferences in Scandinavia. Bates will present "Content at the Margins: Threshold Effects of Intellectual Property Policy" at the International Association for Media and Communication Research in Stockholm in July and "PERFORM Anxiety: Threshold Effects in Online Music Licensing" at the Association of Internet Researchers in Copenhagen in October.

Greg Reed, associate vice chancellor for research, was elected president of Chi Epsilon, the national honor society for civil engineering at the group's march conclave. Reed formerly was head of UT's civil and environmental engineering department.

The Appalachian Journal has published a letter from **Bill Dockery** remembering the late Appalachian author and occasional UT faculty member Wilma Dykeman and evaluating her influence as a writer and activist. Dockery, information coordinator for the Office of Research, edited Dykeman's columns for the Knoxville News Sentinel for several years. Additionally, Dockery's journalistic memoir, "My First Ax Murder," appeared in the online magazine *Southern Reader* last summer.

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Send us information about your presentations, publications, honors, travels, and other career recognition.
Also nominate a colleague for "Scholar of the Week."
Contact research@utk.edu.

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awards & recognition is published biweekly for the faculty of UT Knoxville by the UT Office of Research, 1534 White Ave., Knoxville, TN 37996-1529. For more information, contact Bill Dockery (dockeryb@utk.edu, 865-974-2187).