



Profiles *in* Excellence

ACADEMIC YEAR 2013-2014

*Academic Vice President and Provost's
Report for Faculty Publications,
Presentations, Performances,
Exhibitions, and Grants*

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Each year, the University of North Alabama is pleased to publish *Profiles in Excellence*. This publication highlights the many noteworthy achievements of the university faculty, broadly categorized and defined to include artistic endeavors, creative initiatives, original research, scholarly books, articles, and presentations, funded grants and awards, and/or academic services.

Through *Profiles in Excellence*, the university recognizes the significant accomplishments of our faculty; the publication serves as an annual expression of appreciation for their contributions to their respective academic disciplines, and to the university. Their dedication to very high quality work is evident in these pages, and the university derives considerable benefit as a result.

During 2013-14, the university witnessed its second consecutive year of substantial growth in our Research Days; we continue to experience an increase in our faculty's engagement of undergraduate students in their research projects. Recognition is given to the many members of the faculty whose involvement of undergraduate students has led to an excellent two-day event, which includes poster sessions, paper presentations, and for the first time in 2014, a very highly anticipated and well attended oral thesis competition.

The faculty's growing efforts to conduct research and pursue creative expression keeps the intellectual climate of the university fresh and alive. *Profiles in Excellence* captures these efforts. Thank you for your many contributions to the University of North Alabama.

Thomas J. Calhoun, Jr.
Interim Vice President for Academic Affairs and Provost,
Vice President for Enrollment Management

JIM F. COUCH OUTSTANDING SCHOLARSHIP/RESEARCH AWARD

Dr. Keith Jones is a professor in the Department of Accounting and Business Law, having joined UNA in 2010 after spending the previous five years at Illinois State University in Normal, Illinois. He teaches in the areas of auditing and managerial accounting. Keith has also taught at Eastern Kentucky University in Richmond, Kentucky and at Ball State University in Muncie, Indiana. Prior to entering his doctoral program at the University of Kentucky, he worked for over 10 years as an auditor for the Department of Defense.

Keith's interest in being a university faculty member began in the early 1990s, as part of a struggle to find the best way to apply his background and interests over the long term. Since no one from among his family or friends had ever taken the academic route, it took some years to come upon the idea; throwing away a stable government auditing career, salary and benefits and going back to school for several more years did not immediately rise to the surface as the most obviously desirable thing to do! Through various life experiences, being a college professor began to look like a potential match. A taped message on Psalm 90 and the bestselling book by Stephen Covey, *The Seven Habits of Highly Effective People*, then helped to provide the push that was needed. Keith and his wife, Kay, moved from Belleville, IL to Fort Worth, Texas in 1993; he received his masters' degree in 1996 from the University of Texas at Arlington while still working for the government, then left the government in 1997 to enter a full-time doctoral program. He received his Ph.D. in 2001, nearly 10 years after the original seeds of thought were planted. Whatever other influences he has had, he knows that he would be nowhere without the support of his wife, parents, and others who have believed in and invested in him.

While the idea of teaching college provided the primary impetus for becoming an academic, Keith's first publication

in approximately 2002 gave him the "research bug". He finds research to be his way of staying fresh and connected to



ELEANOR P. GAUNDER PHI KAPPA PHI EXCELLENCE IN TEACHING AWARD

STEPHANIE L. MONTGOMERY, Instructor in Speech Communication, B.S., 1996,
University of North Alabama; M.A., 2005, The University of Alabama.

Stephanie Montgomery definitely loves her job. She also believes that obstacles are going to arise, but seemingly unsurmountable odds are possible to beat. Throughout her educational pursuit she discovered persistence in her fight against those who wanted her to fail, strength through positive role models who desired to see her succeed, and determination through the unconditional love of her children who inspired her to keep going when life got rough. This all culminated in the most rewarding job she has ever had, teaching. "I didn't choose to teach because it was

*"Choose a job you love, and you will never have to work a day in your life."
– Confucius*

PUBLICATIONS and PRESENTATIONS at PROFESSIONAL MEETINGS

Banks, M. Shane – Assistant Professor of Computer Information Systems

Coauthored with S. Richardson, W. Kettinger, and Y. Quintana, “IT and Agility in the Social Enterprise: A Case Study of St. Jude Children’s Research Hospital’s Cure4Kids IT-Platform for International Outreach,” *Journal of the Association for Information Systems*, 2014.

Coauthored with C. Onita and W. Kettinger, “IT Enabled Co-Creation Platforms: Tapping the Power of the Prosumer,” *Journal of Information Technology Management*, 2013.

Barske, Carolyn – Assistant Professor of History

Participated in a working group “Gen Next: The Sustainability of Public History Graduate Programs” National Council on Public History Annual Meeting, Monterrey, CA, March 18-22.

Bates, Larry – Professor of Psychology

Coauthored with Richard A. Hudiburg, Elizabeth P. Lauderdale, and Joseph R. Castillo, “Fear of the World? Reactions of Religious Fundamentalists to Taboo Images and Words,” *Psychological Reports*, 113, 73-96.

Co-presented with Thomas M. Kersen and Larry W. Bates, “Metaphors of Mysticism/Spirituality in Popular Hiking Literature,” Society for the Scientific Study of Religion, Boston, MA, November 2013.

Co-presented with Sarah R. Schiavone, Justin W. Slayton, Kenneth P. Chambliss, Samantha N. Harvey, Rachel A. Berry, Nathan E. Miles, Catherine V. Miller, and Richard A. Hudiburg, “Fear and Religious Fundamentalism: Behavioral Avoidance Test of Taboos,” Alabama Academy of Sciences, Auburn, AL, March 2014.

Co-presented with Kayla C. Bales, Justin W. Slayton, Samantha N. Harvey, Victoria L. Tuggle, Kenneth P. Chambliss, Alexandra S. McCarley, Nathan E. Miles, Rachel A. Berry, and Richard A. Hudiburg, “Religious Fundamentalism and Fear: Preliminary Investigation Using Behavioral Avoidance Tests,” Alabama Academy of Sciences, Auburn, AL, March 2014.

Co-presented with Brandon C. Pennington, David Z. Smith, Katie B. Poole, Jason A. Burt, Nathan W. Donahue, Katie L. Leverenz, Nathan M. Booth, Nathan E. Miles, and Larry W. Bates, “Using Behavioral Avoidance Tests to Evaluate a Connection Between Fear and Religious Fundamentalism,” Troy Psychology Conference, Troy, AL, April 2014.

Beaver, Jana – Associate Professor of Management

Coauthored with J. Stafford and D. Hallock, “The Influence of Organizational Culture on Sexual Harassment Training: A Confirmatory Analysis,” submitted for publication February, 2013.

Bergeron, Wayne P. – Instructor in Criminal Justice

Presented, “Citizen, Solder, First Responder – The Use of Military Organizations in Disaster Response in the Developing World,” World Future 2013: Exploring the Next Horizon, Chicago, Illinois, July 10-21, 2013.

Presented, “Considering Culture in Evacuation Planning,” National Evacuation Conference (NEC), held in conjunction with the International Disaster Conference and Exposition (IDCE 2014), New Orleans, LA, January 7-10, 2014. His paper entitled “Considering Culture in Evacuation Planning and Consequence Management” was selected for publication in a special NEC edition of *The Journal of Emergency Management* focused on evacuation planning and operations.

Blackstone, Tanja – Professor of Economics

Coauthored with PingYing Bellamy, “Validation of Loss and Continuation Rate Models to Support Navy Community Management,” NPRST-TR-14-2, February 2014.

Blake, R. Melvin – Assistant Professor of Physics and Astronomy

Coauthored with McDaniel, M., “Observations of the Sun Using a Very Small Radio Telescope,” Alabama Academy of Sciences Annual Meeting, Auburn University, Alabama, March 12-14, 2014.

Coauthored with McDaniel, M., “An Equivalent Width Versus Flux Study of V549 Persei and 10 Cassiopeia,” Alabama Academy of Sciences, Auburn University, Alabama, March 12–14, 2014.

Coauthored with Davis, T., “A Study of Various Be Stars,” Southeastern Section of the Society of Physics Students, Mayaguez, Puerto Rico, March 15, 2014.

Blankinship, Lisa Ann – Assistant Professor of Biology

Coauthored with Barbara Cotton and Janet Gaston, “Survey of Antibiotic Resistance in Cell Phone and Computer Keyboard Isolated Bacteria,” BIOS, 2013.

Co-presented with Lauren Bates and Emily Hamby, “Antibiotic Resistance Profiles of Bacteria Isolated from Hands and Cell Phones of General Population Members,” Southeastern Branch of the American Society for Microbiology, Auburn, AL, November 2013.

Co-presented with Najah Yasmeeen Muhammad, “Occupation Influences on Hand and Cell Phone Associated Bacteria,” Southeastern Branch of the American Society for Microbiology, Auburn, AL, November 2013.

Co-presented with Rosmely Hernandez, “A Study of the Effectiveness of Monotherapy versus Combination Therapy on Antibiotic Resistant *Klebsiella pneumoniae* Isolated from Sputum Samples Collected in Different Medical Facilities,” Southeastern Branch of the American Society for Microbiology, Auburn, AL, November 2013, and Association of Southeastern Biologists, Spartanburg, SC, April 2014.

Presented “Identification and Comparison of Antibiotic Resistance Patterns of Bacteria Isolated from the General Population, Freshman University Students, and Medical Care Facilities,” Association of Southeastern Biologists, Spartanburg, SC, April 2014.

Blount, Linda – Professor of Education

Co-presented “Targeting Truancy”. (2013, December). North Alabama Alliance of Instructional Leaders (NAAIL) Research and Leadership Conference, *Every Leader Transformed*, held in Florence, Alabama. Presenters and conference attendees included those from Alabama, Mississippi, Tennessee, and Georgia.

Bowie, Miranda – Assistant Professor of Mathematics

Presented, “Set-Sized Domination for the Infinite Square

Co-prpresented with Nazed Domination for the Infinite Squ81 ZxZ Pv:1.FAlly-Fifthstance Patterns ofs, SpartanburIttenite Sqtiesj T* [incSquerap

Presented “Recreational Activities for Middle School Physical Education Grades 6-8,” Alabama Summer Health and Physical Education Conference 2013.

Co-presented with M. Hall “Enhanced Physical Education Utilization of Established Outdoor Activities,” SWAAHPERD District Convention, 2013, Las Vegas, NV.

Co-presented with M. Hall and C. Dyer “Re-Creating Partnerships to Promote Lifetime Physical Activities,” AAHPERD Nation/Southern District Convention, 2013, Charlotte, NC.

Co-presented with M. Hall “Leadership and Teamwork Activities,” ASHPERD Spring Conference, 2013.

Physical Society, Volume 58, 12, 2013.

Coauthored with M. E. Hunter and J. B. Cooper, “Elastic Electron Scattering off A@C60 Versus off C60 Versus off a Free Atom,” Bulletin of the American Physical Society, Volume 58, 12, 2013.

Authored, “Spectacular Confinement Induced Peculiarities in the Structure of Semifilled Shell Atoms,” Bulletin of the American Physical Society, Volume 58, 58, 2013.

Presented, “Orbital Swelling, Breathing, Fusion, Fission and Re-ordering in Atoms Under Penetrable Confinement,” 11th European Conference on Atoms, Molecules and Photons,

CoauthorSemifilk, June 24-28 T* [ed with M. E. HunteO and J. B.Astic)]TJh37nemeced Pecul223sLu1ecubsau8a472.93off49and Re-o479.83049in Atoms UAnlylcMeng7 Tw 0 78k, Ju-18.51)5.247 58.6[4(oro(Aaeese Pro -2.444 Ttoma

Couch, J.F. – Professor of Economics

Coauthored with J.D. Barrett, D. Black, and K.D. Malone, “Taxing Alabama: How the State Generates Revenue and the Impact on Residents,” Scott Beaulier and Daniel Sutter (Ed.), *Freeing the Invisible Hand: A Vision for Economic Freedom and Prosperity in Alabama*, 2014.

Crabtree, John D. – Professor of Computer Information Systems

Coauthored with D. Nickels and J. Parris, “Clearing the Hurdles to Success in Teaching Computer Programming: Applying the Scientific Method to Improve Student Outcomes,” *Academy of Business Research Journal*, 2013.

Coauthored with T. Kouri, L. Huynh, and A. Dean, “RCARM: Reaction Classification Using Automated Reaction Mapping,” *International Journal of Chemical Kinetics*, 2013.

Darby, Wendy – Professor of Nursing

Poster Presentation, “Child Abuse Evaluation: A Unique Faculty Practice,” American Association College of Nursing’s 2014 Faculty Practice Pre-Conference, January 2014, Naples, FL

Davis, Ernestine – Professor of Nursing

Presented, “Enhancing Academic Success of Underrepresented Students,” National Association of African American Studies 22nd Joint National Conference, February 2014, Baton Rouge, LA

Davison, Paul – Professor of Biology

Coauthored with Robert Wyatt, “Notes on the Distribution and Ecology of *Riccia rhenana* in Georgia,” *Evansia*, 2013.

Co-presented with Chris McAllister and Henry Robison, “First Record of Ribbon Worms (Nemertea: Tetrastemmatidae: *Prostoma*) from Arkansas,” Arkansas Academy of Science, Harding, AR, April 2014.

Dolmatov, Valeriy K. – Professor of Physics

Coauthored with Dr. M. Ya. Amusia and Dr. L. V. Chernysheva, “Electron Elastic Scattering off a Semifilled Shell Atom: The Mn Case,” *Physical Review A*, Volume 88, 042706, 2013.

Coauthored with Dr. M. Ya. Amusia and Dr. L. V. Chernysheva, “Specificity of Exchange and Correlation in Electron Elastic Scattering off Semifilled Shell Atoms,” *Bulletin of the American*

Groetsch, Ulrich – *Assistant Professor of History*

Authored, "The Scholar as Whoremonger: Petrus Burman

PUBLICATIONS and PRESENTATIONS at PROFESSIONAL MEETINGS

Presented, "Techno Cities: Africa's Urban Future or a New Form of Urban Exclusion?" Association of American Geographers, Tampa, FL, April 8-12, 2014.

Lewis-Adler, Kathy L. – Associate Professor of Business Law Research

Coauthored with K.D. Malone and J.F. Couch, "Defense of the Indigent and Contract Attorneys: Perfunctory Defense?" *Franklin Business & Law Journal*, 2013.

Loeppky, Ian – Professor of Music

Book review: "Benjamin Britten: a Life for Music by Neil Powell," *Choral Journal*, October 2013 (Vol. 54 No. 5).

Book review: "Classroom Management in the Music Classroom: "Pin-drop Quiet Classes and Rehearsals by David Newell," *Choral Journal*, October 2013 (Vol. 54 No. 5).

Book review: "Choral Vocal Technique—Evoking Sound: The Choral Warm-Up by Sabine Horstmann," *Choral Journal*, November 2013 (Vol. 54 No. 6).

Editor, Alabama Reprise (publications in November 2013 and April 2014).

Loew, Sandra – Chair and Professor of Counselor Education

Published "Castles in the Sand: Using Sand Trays to Promote Career Awareness in Schools," *School Counselors Share Their Favorite Classroom Guidance Activities: A Guide to Choosing, Planning, Conducting, and Processing*, 2013.

Long, Johnny – Assistant Professor of Health, Physical Education and Recreation

Earned 25 hrs. CEU's at the National Athletic Training Association Symposium, Indianapolis, Indiana, June 2013.

Lovett, Thomas M. – Professor of Business Law

Authored, "Trends in Higher Education: Legal and Ethical Issues," J.L. DeVitis & L. Irwin-DeVitis (Ed.), *Contemporary Colleges & Universities: A Reader*, 2013.

Maddox, Lamont E. – Assistant Professor of Education

Presented, "Authentic Intellectual Work and the Teaching of History in Secondary Schools," 1st Annual North Alabama Alliance of Instructional Leaders (NAAIL) Innovative Leadership Conference in Florence, Alabama, December 5, 2013.

Coauthored with John W. Saye, "Authentic Pedagogy and the Acquisition of Lower-Order Knowledge in History," *Social Studies Research and Practice*, April 2014, Vol. 9, No. 1, pp. 1-17.

Coauthored with Scott W. DeWitt, Nancy Patterson, Whitney Blankenship, Brooke Blevins, Lorrei DiCamillo, David Gerwin, Jill M. Gradwell, John Gunn, Cinthia Salinas, John Saye, Jeremy Stoddard, & Caroline C. Sullivan, "The Lower-Order Expectations of High-Stakes Tests: A Four-State Analysis of Social Studies Standards and Test Alignment," *Theory & Research in Social Education*, July-September 2013, Vol. 41, No. 3, pp. 382-427.

Malone, Janna – Instructor in Entertainment Industry

Co-Presented, "Color-blind Harmony: From Fear to Funk, Race and Music in the Turbulent Sixties and Seventies in Muscle Shoals, Alabama," Music and Entertainment Industry Educators Association (MEIEA) conference in Nashville, TN, March 2014.

Malone, Keith – Associate Professor of Economics

Coauthored with J.P. Formby and H. Kim, "How Regressive Are State and Local Taxes?" *Journal of Business, Economics & Finance*, 2013.

Marvin, Glenn – Associate Professor of Biology

Co-presented with Mattie Lewis, "Influence of Temperature, Photoperiod, and Feeding on Tail Regeneration in a Semiaquatic Plethodontid Salamander," American Society of Ichthyologists and Herpetologists, Albuquerque, NM, 2013.

Coauthored with Mattie Lewis, "Effect of Temperature, Photoperiod, and Feeding on the Rate of Tail Regeneration in a Semiaquatic Plethodontid Salamander," *Journal of Thermal Biology*, 2013.

Maynard, Christopher – Chair and Professor of History

Invited Participant, The 25th Anniversary Celebration of the Administration of President George H.W. Bush at the George Bush Presidential Library, College Station, TX, April 2014.

Invited Participant, *The Alabama Leadership Initiative (ALI)*, Montgomery, AL, April 2014.

McIntosh, Joyce – Professor of Health, Physical Education and Recreation

Coauthored with J. Hornsby, L. Killen, M. Green and T. Coates "Influence of Terminal Acute RPE on Session RPE," *Journal of Strength and Conditioning Research*, 2013;27:2800-2805.

Coauthored with L. Killen, M. Green, J. Hornsby and T. Coates "Effects of Caffeine on Session Ratings of Perceived Exertion," *European Journal of Applied Physiology*, 2013;113:721-727.

Presented, "Women and Heart Disease: Enough With the Bad News," ASHPERD Fall Conference, Birmingham, AL, November 2013.

McMullen, Janet – Associate Professor of Radio-Television-Film

Authored, "Metaphors and Morality: Are Digital Media Epistemologically Compatible With Moral Socialization?" *Explorations in Media Ecology*, Volume 11, September 2013.

Merciers, Meghan – Assistant Professor of Music

Authored, "2013 OU Symposium Review," *The Clarinet*, December 2013

Presented, "Practice Makes Permanent: Learning More in Less Time," River City Winter Clarinet Festival, University of Tennessee at Chattanooga, January 4, 2014

Olive, Brent – Chair and Associate Professor of Chemistry and Industrial Hygiene

Presented, "Gravimetric Evaluation of HDS (Helium Diffusive Sampling) Personal Air Sampling Devices," ASTM International's Committee D22 on Air Quality, Toronto, Canada, April 2014.

O'Neal, Eric – Assistant Professor of Health, Physical Education and Recreation

Thesis chair and coauthored with B. Davis, K. Thigpen, J. Hornsby, M. Green and T. Coates "Effects of 75% Versus 150% Fluid Replacement on USG and 10-km Running Performance," *European Journal of Sport Science*, (e-published ahead of print February 2014).

Coauthored with D. Minton and T. Torres-McGhee "Agreement of Urine Specific Gravity Measurements Between Digital and Manual Refractometers," *Journal of Athletic Training* (at press February 2014).

Lead author with C. Caufield, J. Lowe, C. Stevenson, J. Davis and K. Thigpen, K. "24-h Fluid Kinetics and Perceptions of Sweat Losses Following a 1-h Run in a Temperate Environment," *Nutrients*. 2014;6:37-49.

Lead author with S. Poulos, J. Wingo, M. Richardson and P. Bishop "Post-Prandial Carbohydrate Ingestion During 1 Hour of Cycling Does Not Alter Mood, Perceived Exertion, or Subsequent Power Output in Recreationally-Active Exercisers," *Journal of the International Society of Sports Nutrition*. 2013;10:1-9.

Thesis committee member and coauthored with J. Hornsby, L. Killen, M. Green, J. McIntosh and T. Coates "Influence of Terminal Acute RPE on Session RPE," *Journal of Strength and Conditioning Research*, 2013;27:2800-2805.

Thesis committee member and coauthored with L. Killen, M. Green, J. McIntosh, J. Hornsby and T. Coates "Effects of Caffeine on Session Ratings of Perceived Exertion," *European Journal of Applied Physiology*, 2013;113:721-727.

Co-presented with A. Hollis, K. Melching, M. Green and L. Renfroe "Body dissatisfaction: Influence of Physical Activity and Gender on Beliefs Regarding Peer's Perceptions," *Southeastern American College of Sports Medicine Regional Conference. February 2014. (*Conference cancelled due to weather).

Presented the symposium "Does the Influence of the Scientific Community Have an Effect on Hydration Behavior of Runners?" *Southeastern 224 *Southeastern American College of Sports Medicine Regional Conference. February 2014. (*Conference cancelled due to weather).

Presented the symposium "Does the Influence of the Scientific Community Have an Effect on Hydration Behavior of Runners?" *Southeastern 224 *Southeastern American College of Sports Medicine Regional Conference. February 2014. (*Conference cancelled due to weather).

Presented "School Counselor Round-up: Professional School Counselor and Advocacy for Students and the Profession,"
Alabama Counseling Association Annual Conference,
Birmingham, Alabama, November 2013.

GRANTS *and* AWARDS

Bergeron, Margaret “Peggy” – *Instructor in Nursing*

Awarded, Alabama Board of Nursing Scholarship to assist in PhD education for the 2013-14 academic year 2013-14.

Blake, R. Melvin – *Assistant Professor of Physics and Astronomy*

Awarded \$1,090, Society of Physics Students Undergraduate Research Award to UNÀ SPS, Matthew Morgan lead author, “*Lunar Impact Observing.*”

Blake2. Melvin

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