



The Basic Facts

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The Basic Facts, College of Basic and Applied Sciences, Middle Tennessee State University, Murfreesboro, TN

The Science of Success

Cheatham Appointed Dean of CBAS

Inside this issue:

- New Dean** 1
- New Staff Member** 1
- Campbell Wins Award** 1
- Our B.E.S.T** 2



Dr. Tom Cheatham was recently appointed Dean of the College of Basic and Applied Sciences by President Sidney McPhee. The appointment was confirmed by the Tennessee

Board of Regents.

Dean Cheatham, who holds professor status in the computer science department, served as interim dean of the college during the 2001-2002 academic year and interim associate dean during 2000-2001. His service as interim associate dean was under Dr. E. Ray Phillips, who is now associate dean, College of Graduate Studies, and director, The Center for the Advancement of Mathematics, Science and Technology Education that will open in the Fall 2002.

"I am delighted with his appointment,"

said McPhee. "He has done a wonderful job as interim dean and moved the college forward. It is appropriate that he be elevated into this dean's position."

The College of Basic and Applied Sciences has more than 3,900 majors and 175 faculty members. Cheatham said "We are one complex college. You have nursing, agriculture, aerospace, military science, and engineering technology and industrial studies, and then all the traditional sciences — biology, chemistry, physics and astronomy, computer science and mathematical sciences — it's a very diverse college." Then he added, "I think we have a great college — a great group of faculty and many good students."

Dean Cheatham, who is a Kentucky native, earned his bachelor's degree from Campbellsville University in 1966, his master's ('68) and doctorate

('71) degrees from the University of Kentucky in Lexington.

His awards and honors include being named "as a faculty member who made a difference in a student's life" by at least one computer science graduate for 18 graduations in a row; MTSU Outstanding Achievement in Instructional Technology Award for 2000; MTSU Award for Innovative Excellence in Teaching, Learning and Technology for 2000; and Western Kentucky University's Teacher of the Year in 1987.

He is married to Carole, who is a dietitian at the Tennessee Valley Health Care System, Alvin C. York Campus, Murfreesboro. They have two children; their son Chris is a physician in Indiana and daughter, Emily recently graduated from the Fashion Institute of Technology in New York with an associate's degree.

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<http://www.mtsu.edu/~collbas/newsletters>

Career Coordinator Joins CBAS Staff



Maggie Prugh, has joined the staff of Basic and Applied Sciences as Career

Coordinator for the college. She is currently located in BAS S123.

July marks her fourth year with Middle Tennessee State University. Before coming to the Career and Employment Center, she spent three years in the Office of Student Organizations and Community Service working with events like

Homecoming, Up 'Til Dawn, and the Student Organization Fair. She became the Interim Director of Greek Life in January 2002 and was there until a permanent replacement was found in July. In her role with the Career and Employment Center, she will be working exclusively with students enrolled in any of the departments within the College of Basic and Applied Sciences.

She registers students with the office and refers their credentials to potential employers. She is also available to assist with resume and cover letter writing and

mock interviewing experiences. In addition, she will be coordinating on-campus recruiting in the fall and spring in order to bring employers to the campus to meet students. For a full listing of the services of the Career and Employment Center, please visit their website at www.mtsu.edu/~career.

She earned her B.A. ('95) in Radio, Television and Film from Auburn University and her M.S. (98) in College Student Personnel from the University of Tennessee.

Nursing Department Campbell Receives National Award



This spring, MTSU's School of Nursing, already regarded as one of the best in the South and the nation, had one of its faculty members reap a national award. Judy Campbell, associate professor, nursing, was chosen to receive the National Institute of Senior Centers 2002 Research Award, which included a \$1,000 prize. It was presented April 7 in Denver during the joint National Council on Aging and The American Society on Aging's Crossing the

Great Divide Conference.

"I was very honored to be recognized with senior research," said Campbell, who also serves as director of the Nurse on Duty program at St. Clair Street Senior Center. "It relates to a special area of senior adults participating at a senior center."

Campbell's research study - "Benefits of a Nurse-Managed Wellness Program: A Senior Center Model" - was published in the March 2001 issue of Journal of Gerontological Nursing. It is based on her work at the St. Clair Street Senior Center and the Nurse on Duty program, which she helped start in 1991.

Dr. Ron Aday, professor, sociology and anthropology, and director, aging studies, nominated Campbell for the award. Campbell said Aday is a past recipient of the same award.

Campbell said the partnership between MTSU and the St. Clair Street Senior Center "enabled me to do this research."

"My latest ongoing research is on activities - the importance of resistance training and incentives for healthy behavior ... what motivates you to do healthy things," Campbell added.



The Basic B.E.S.T. (Boastful Educators Showing Talents)

All departments are invited to submit items for this column

Aerospace

The 45th annual aerospace teacher education workshop is being held from June 10-28 at Business Aerospace building. The workshop is the oldest aerospace education workshop in the nation. Twenty-nine teachers from Middle Tennessee are participating this year. The workshop is sponsored by the Division of Aeronautics and the Tennessee Department of Transportation.

Agribusiness/Agriscience

Harley Foutch and Tim Redd toured three agricultural engineers from the China Agricultural University at Beijing around ABAS facilities during their visit in May. Also six French COOP managers and nutritionists inspected the feeding program at the Stark Dairy for educational purposes.

Cliff Ricketts directed the FFA camp in Doyle, TN in June. The camp is a leadership development which was attended by approximately 800 agricultural education students and FFA members from across the state. The camp runs five weeks.

The 2002 edition of the Tennessee Youth Beef Camp was held in June on the MTSU campus. This event is sponsored by the Block and Bridle Club in ABAS. This was an exciting opportunity for youth ages 10-18 to learn about beef cattle and the beef cattle industry, polish their cattle showmanship techniques, and have a little fun. Fifty young people participated in this year's event and all signs point to a successful Beef Camp 2002.

Two horse camps were recently completed on the MTSU campus. One camp for Tennessee 4-H'ers, featured B.F. Yeates as guest instructor and Anne Brzezicki as the hunter instructor. The other camp for Walking Horse enthusiasts, featured Terri Mosley from Mt. Airy, NC and MTSU alumni Faye Lynn Coffey assisting with the instruction. The Walking Horse is the longest continuous camp of its kind in the Walking Horse industry. "Our camps are for

those already riding and who have a horse that they can bring to camp," says Dave Whitaker who manages the camps. "Over the years we have had some of the industry's best riders pass through our camp." Several have gone on to win championship titles at the state and national levels.

Eighty percent of the ABAS faculty and staff were identified by Spring 2002 graduates as individuals who made a difference in their life and success while students at MTSU.

Cliff Ricketts will direct a Curriculum Writing Workshop for the Tennessee Department of Education on June 24-28. Curriculum will be written for Principles of Agriculture and advanced principles of Agriculture and Agriscience.

Biology

Cindi Smith-Walters worked with local Cub Scouts during the week of June 10th. The Scouts were at Barfield Crescent Park as part of their week long Summer Day Camp and were working on a number of achievements including Naturalist and Forester.

Kim Sadler and Cindi Smith-Walters conducted a workshop in June at the Science Institute held at Columbia State Community College. Participants explored the concepts of adaptation and natural selection through interactive activities. Funding for the Science Institute is provided in part by an Eisenhower grant titled "Teacher partnerships for Maury, Lewis, and Williamson Counties."

Chemistry

Gary Wulfsberg has been selected by the Tennessee Academy of Sciences as the recipient of the TAS Distinguished College/University Scientist Award for 2002. Dr. Wulfsberg is the only scientist in the state of Tennessee to receive this distinction this year.

Engineering Technology/Industrial Studies

Alphonse Carter Jr., left, was named this year's recipient of the MTSU John Pleas Faculty Award.



The award, first presented in 1996 to Dr. John Pleas, right, professor of psychology, is awarded to a minority faculty member who has set a standard of excellence and contributed in significant ways to the university and community.

Mathematical Sciences

Xiaoya Zha was invited to give a talk at the Second Mainland-Taiwan Joint International Conference on Graph Theory and Combinatorics in June on the campus of Academia Sinica, Taipei, Taiwan. His talk was about his recent research entitled "The Strong Embeddings of Cyle Graphs."

Yuri Melnikov presented at the International Conference to the Symposium of the Association of Boundary Element Methods (IABEM) 2002 held in May at the University of Texas, Austin. His presentation was entitled "Computing Green's Functions of Biharmonic Equation for Multiply Connected Regions." He was also a presenter at the Engineering Mechanics' Conference (EM2002), 15th American Society of Civil Engineering (ASCE) at Columbia University in New York City in June. His presentation was entitled "Response of a Multiply Connected Plate to a Point Force."

Rebecca Zijlstra is serving as contact person for Camp PRISM (PRactice In Science and Math) which is a new effort to open the world of math and science learning to 5th graders. Beginning in June at Hobgood Elementary School in Murfreesboro, the two-week camp involves local children in hands-on activities, offers field trips to local industry and government, and encourages kids to pursue careers in these fields — especially at a time in their lives when interest in these subjects begins to lag. PRISM is a collaboration

of MTSU and Murfreesboro City Schools and is funded by Continuing Education Studies and the Jennings and Rebecca Jones Foundation.

Nursing

Pat O'Leary presented on the topic, "Use of Web-Based Multimedia Applications for Teaching Nursing Health Assessment" at the 9th Annual North American Learning Resource Center's Conference held at Indiana University in June

Suzanne Prevost was an invited speaker on the topic "Mentorship: The Gift That Keeps on Giving" for the Nurses and Hospital Week celebration in May at Presbyterian Hospital in Charlotte, NC.

Lynn Parsons recently published "The Graying of Nurses and Aging in America: A Conundrum" in *SCI Nursing*, Vol. 19 (4).

Karen Ward recently published "Stress Management—An Essential of Management" in *SCI Nursing*, vol. 19 (2).

Suzanne Prevost recently published "How to Implement Evidence-Based Practice: Some Tried and True Pointers" in *Reflections on Nursing Leadership*, Vol. 28 (2)

Stephen Krau was a featured plenary speaker at the 22nd Annual Congress of the National Association of Orthopaedic Nurses (NAON) in May. He spoke on the topic "Conducting High Quality Surveys: A Workshop for Researchers and Quality Improvement Leaders" at the MGM Grand Hotel in Las Vegas, NV. His abstract was published in the congress proceedings and a CD-ROM was made of the presentation as well.

Lynn Parsons presented an integrated research review on the topic "Osteoporosis in Men: Incidence, Prevention and Treatment" in her role as member of the national research committee for the National Association of Orthopaedic Nurses (NAON) in Las Vegas, NV in May. A CD-ROM was made and the abstract was published in the congress proceedings.