



The Basic Facts

Volume 5, Issue 12, December 2004

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

\$1,000,000+ in Federal Earmarks

The Science of Success

Inside this issue:	
\$1,000,000+ in Federal Earmarks	1
NASA Educator Resource Center Opens	1
Tennessee Academy of Science	1
Awards & Honors	1
Our Best	2

The School of Nursing received notice that U.S. Senator Frist has earmarked another \$750,000 for expansion of the nursing facility. Last year Senator Frist helped Nursing with \$1M toward the new facility. Planning is on-going for a two-story expansion of



CKNB into the parking lot on the north side of the building. Two Biology department projects received notice of earmark funding (total \$300,000) from U.S. Congressman Bart Gordon. Drs. Steve Wright and Becky Seipelt will receive \$100K toward the renovation of a biotech classroom while

Drs. Anthony Farone and Mary Farone, along with faculty from Tennessee Tech, will receive \$200K for their research in isolating bacteria which cause Legionnaire's Disease.



NASA Educator Resource Center (ERC) Opens

December 3 marked the ribbon cutting for the Tennessee/NASA ERC at MTSU. Dr. Ray Phillips, Director of the Tennessee Mathematics, Science and Technology Education Center (TMSTEC),



hosted top NASA officials and politicians including U. S. Congressman Bart Gordon and Chair of the Tennessee House Education Committee, Les Winningham. Eric Cromwell represented Commissioner Kisber and



Governor Bredesen. The event was organized with the assistance of TMSTEC staff Dr. Dovie Kimmins, Pat Govan and Judy Carter. K-12 teachers and school administrators from across the state were present and pleased that MTSU will house the free NASA materials to help encourage young students into science, math, and technology.



Tennessee Academy of Science (TAS)

As always, MTSU was well represented at the 114th annual meeting of the TAS held in November. Twenty-six faculty and nineteen students presented. Additionally, two faculty chaired sessions, six faculty served as TAS officers or committee members and fourteen MTSU students won awards. (See page 2 for the list of our award-winning students.) BIOL, CHEM and ABAS faculty participated.

Awards & Honors

Math faculty member Ginger Rowell received the 2004 Waller Education Award for "outstanding innovation and commitment to teaching the first course in statistics." The award was presented at the Joint Statistical Meetings in Toronto. Nursing alumnus Ms. Sharon Van Wicklin received the national Association of Perioperative Registered Nurses (AORN) award for "Outstanding Achievement in Applications of Perioperative Clinical Research" for her work in nursing intervention in the prevention of DVT and PE. Sharon says she started this work in a nursing research class taught by Dr. Karen



Ward. Barbara Knox, Coordinator for the Tennessee Louis Stokes Alliance for Minority Participation, received \$10K to help develop a minority faculty and staff recruitment program for CBAS. Retractable banners will be developed and used at conferences to tell the MTSU story. Concrete Industry Management (CIM) received \$10K from the W. R. Grace Corporation for program enhancement. Jim Van Wicklin received a gift from Lane Motor Museum for \$20K to support the development of Formula SAE and Mini-Baja vehicles.

Visit our newsletter web site to view all The Basic Facts' issues:

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



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

All departments are invited to submit items for this column

Aerospace

Ron Ferrara made a presentation at the Twentieth Annual Ohio Valley History Conference held at Tennessee Tech in October. The topic of the presentation was Andrew Jackson and the Hard Times Tokens.



Yoo. Six CSCI students made presentations.

Biology

Jeffrey Walck published a paper in the December issue of *Seed Science Research*.

A book chapter in elasmobranch husbandry on parasites of sharks, rays and chimaeras was co-authored by George Benz. His research paper on sea lice infections of fish was accepted in *Acta Ichthyologica et Piscatoria*.

Gore Ervin co-authored a paper in the November issue of the *American Journal of Obstetrics and Gynecology*.

Computer Science

Mack Thweatt served as the conference chair and Chrisila Pettey served as program chair for the Association for Computing Machinery Mid Southeast Conference held in Gatlinburg in November. CSCI faculty presenting included **Cen Li, Jungsoon Yoo, Suk Jai Seo, Mack Thweatt** and **Sung**

Engineering Technology and Industrial Studies

Walter Boles and **David Gore** were co-presenters at the National Association of Industrial Technology (NAIT) Conference in Louisville, KY.

David Gore received his "Black Belt" Six Sigma certification from the Society of Manufacturing Engineers.

Heather Brown presented a paper at the American Concrete Institute in San Francisco in October. She received an external TVA grant to study the use of TVA fly ash in concrete materials.

Saeed Foroudastan presented two papers at the 2004 Annual American Society of Mechanical Engineers Conference in Anaheim, CA. He obtained a \$10K contract from the Department of Commerce and



Insurance to extend the Tilley Foundation inquiry.

Ahad Nasab submitted an abstract to the 2005 American Society for Engineering Education (ASEE) annual conference.

Mathematical Sciences

Valery Kholodnyi was an invited speaker at the Gas and Power Risk Forum 2004, one of the world's most prestigious events in the field of energy risk management.

Rong Luo presented at the 39th Midwest Graph Theory Conference in November in Muncie, IN.

Nursing

Chita Farrar published in a special issue of *Leadership Circle in Spinal Cord Injury Nursing*, Volume 21, December, 2004. **Lynn Parsons** published an article in the same journal.



Maria Smith and her staff received a \$40,000 supplement to the grant-funded project known as FACES (Facilitating

Awareness and Cultivating Educational Success in Nursing) for 2005-2008.

Maria Smith participated in a panel discussion on the MTSU South Africa Project during the Pan/Africa Conference 2004 held at the Maxwell House Hotel.

Suzanne Prevost and **Maria Smith** attended the Sigma Theta Tau International leadership Conference in November in Indianapolis, IN.

CBAS

Mabior "Juke" Manyok, a Sudanese immigrant, received his citizenship in a ceremony in Nashville in November. Juke is a University Studies major.



Tennessee Academy of Science

MTSU student award winners

Caroline Bishop (CHEM)
Dwayne Coleman (BIOL)
Rose Darnell (CHEM)
J. Jeffrey Green (BIOL)
Tiffany Guess (BIOL)
C. Hancock (BIOL)
B. Jason Hayes (BIOL)

Linda Hendrickson (CHEM)
Benjamin Jordan (BIOL)
Pooja Marella (CHEM)
Matthew Niemiller (BIOL)
Katherine Onks (BIOL)
Wesley Skelton (BIOL)
George Wyckoff (BIOL)