



The Basic Facts

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The Science of Success

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For the third year in a row, at least six CBAS faculty received MTSU Foundation Awards attesting to the outstanding quality of our faculty. The 2002-03 winners, announced at the August 2003 faculty meeting, include: Outstanding Teachers – Saeed Foroudastan (ETIS) and Tammy



Melton (CHEM); Distinguished Research Awards – Suzanne

Prevost (NURS) and Bill Robertson (PHYS); Excellence in Instructional Technology – Mike Sanger (CHEM); Outstanding Service Award – Linda Lawrence (NURS). They all join Rebecca Seipelt (BIOL) who earlier won the university-wide Award for Innovative Excellence in Teaching, Learning and Technology. Congratulations, again, to each of you!



Dr. Ray Phillips, former Associate Dean of Research and Outreach, joined the post-retirement system and will work half-time as Director of the NASA Center. Dr. Pam Holder



will serve half-time as Interim replacement for Dr. Phillips and half-time working for TBR. Dr. Lynn Parsons will serve as

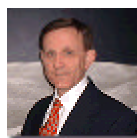


CBAS Staff Changes

Interim Director of the School of Nursing. Dr. Robert Carlton, Chair of Physics and Astronomy, is



serving as Interim Vice Provost for Research and Dean of the Graduate College. Dr. Vic Montemayor is serving as his replacement this year in Physics and Astron-



omy. CBAS is conducting searches for a TLSAMP Coordinator, Executive Secretary, and a Development Officer. MTSU is conducting a search for a grants clerk to help faculty manage external grants.



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

Two New NMR Machines

Everyone agreed that Chemistry needed a new nuclear magnetic resonance spectrometer (NMR). But, no one wanted to ante up the \$400K to



purchase a new machine. Twice previously, NSF proposals to fund an NMR machine were not funded. Changing the focus and responding to the reviewer's comments yielded not one but two funded

proposals for new NMRs. The successful team includes Andri Friedli, Norma Dunlap, Judith Iriarte-Gross, Paul Kline, and Jim Howard. One of the NMRs will be used primarily for teaching and the other primarily for research. Congratulations, Team NMR.



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

All departments are invited to submit items for this column

Biology

In July 2003, **Padgett Kelly** took a group of 11 students to view alligators in the Everglades National Park, endangered coral and coral reefs in the Gulf of Mexico and Atlantic Ocean, study seagrass, and mangrove ecology in the Florida Keys.

Chemistry

Tibor Koritsanszky gave an invited talk and a poster presentation on the SAGAMORE XIV conference on Charge, Spin and Momentum Densities in Broome, Australia (August 12-18, 2003). He was also an invited speaker at the Symposium of "Contemporary Aspects of Chemical Bonding" of the 226th International Meeting of the American Chemical Society held in New York, NY in early September 2003. He presented another research talk at the Organic Chemistry Symposium.

Gary Wulfsberg and colleagues published "A Safe, Tested, Time-Efficient Way to Incorporate Discovery-Laboratory Experiments into the Classroom" in the Journal of Chemical Education.

Preston MacDougall gave a presentation based on his collaborative research with the NASA Ames Research Center on "Fleshing-out Pharmacophores with Volume Rendering of Molecular Charge Densities and Hyperwall Visualization Technology."

Computer Science

Ralph Butler has been awarded a research grant, "Scalable Process Management Project," in the amount of \$30,000 from Argonne National Laboratory for Fall 2003 and Spring 2004.

Al Cripps, Richard Detmer, Judy Hankins, Michelle Higdon and Chrisila Petty recently received recognition by the Division of Student Affairs as those who are making a difference in the lives of our students.

Chrisila Petty manages the NSF CSEMS grant which provides scholarships to CSCI, ETIS, and MATH students such as the CSCI students pictured below.



Richard Detmer served on a panel to review NSF CCLI grant proposals in July. **Tom Cheatham** reviewed NSF proposals in May and August.

Al Cripps and coauthors presented a paper titled, "Improved Experimental Results Using Fuzzy Lattice Neurocomputing (FLN) Classifiers" at the 2003 International Conference on Machine Learning Models, Technologies and Applications in Las Vegas, Nevada.

Suk Jai Seo presented two papers at the MTSU Math Seminar and presented "Orienting Graphs to Maximize Acyclic Reachability" at the 37th Midwestern Graph Theory Conference in September.

Engineering Technology/ Industrial Studies

THEC & TBR have approved the ETIS "letter of intent" to develop a proposal to establish a Bachelor of Science degree in Construction Management Technology.

Mathematical Sciences

Rong Luo had one paper published and three accepted for publication over the summer 2003.

Military Science

In August, ROTC Cadet Tracey Gordon graduated from Airborne school, the last of the senior cadets returned from National Advanced Leadership Camp, Cadets Shiloh

Harless and Amy Johnson finished Cadet Troop Leadership Training and the rest of the cadre returned from National Advanced Leadership Camp. Before the beginning of the fall semester, the department had its Swearing-In Ceremony. Between the Swearing-In Ceremony, class, and labs at Forrester Hall, the department has sworn in 17 new cadets. During the welcome-back picnic, the National Guard landed an AH-64 Apache helicopter (flown by MTSU ROTC graduate Lt. Joe Jenkins) behind the KUC.

Nursing

The School of Nursing is having an accreditation site visit by the National League for Nurses Accrediting Commission (NLNAC) on Tuesday, September 30, through Thursday, October 2, 2003. The public is invited to attend. Contact Dr. Lynn Parsons at 898-2437.

Suzanne Prevost has been appointed as chair of the National Board of AACN.

The MTSU nursing skills laboratory has received a donation of state-of-the-art oxygen monitoring equipment and additional educational resources valued at more than \$5,000.

Stephen D. Krau has been notified by the Association of Death Education and Counseling that he has received certification of Thantatology.

Ken Edmison has been selected to serve as a reviewer for the journal Research and Theory for Nursing Practice and to serve on the Alumni Board for The Frances Payne Bolton School of Nursing, Case Western Reserve University. Six nursing faculty (Suzanne Prevost, Stephen Krau, Lynn Parsons, Karen Ward, Ken Edmison, and Linda Covington) traveled to St. Thomas Virgin Islands to present at the 14th International

Nursing Research Congress organized by Sigma Theta Tau International, the honor society of nursing. **Pat O'Leary** recently passed the certification exam for "Online Instructor" from the Learning Resources Network (LERN).

Maria Smith recently published in Spinal Cord Injury Nursing.

Lynn Parsons and **Karen Ward** presented a paper at the 20th Annual Conference of the American Association of Spinal Cord Injury Nurses held in Las Vegas.

Ken Edmison presented a paper at the 20th Annual Conference of the American Association of Spinal Cord Injury Nurses held in Las Vegas.

Lynn Parsons, associate editor of SCI Nursing, presented a paper at the 20th Annual Conference of the American Association of Spinal Cord Injury Nurses held in Las Vegas.

Karen Ward and **Lynn Parsons** presented a poster at the 20th Annual Conference of the American Association of Spinal Cord Injury Nurses.

Physics

Eric Klumpe and **Charles Higgins** have started the 1st Friday Star Parties again for 03-04.

