



The Basic Facts

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

Agribusiness and Agriscience Opens New Dairy Facility

The Science of Success

Inside this issue:	
15th EYH Conference	1
Agribusiness and Agriscience Opens New Dairy Facility	1
CBAS New Hires:	1
CBAS Skybox for WKU Game	1
Our Best	2



The 15th EYH Conference

The 15th annual Expanding Your Horizons (EYH) conference held at MTSU, on Saturday October 22nd, was a huge success! Almost 300 middle school and high school girls came to the MTSU campus for a day of interesting speakers, fun activities, and a positive atmosphere. They were placed in a positive environment where they were able to interact with other girls their age who share similar interests, and were able to meet women in STEM careers who were encouraging role models. Thanks to Dr. Judith Gross and EYH team for a successful EYH event at MTSU.

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http://www.mtsu.edu/cbas/basic_facts.shtml

We have incredible students who show up at the dairy barn at 4:00 AM each morning to milk our cows. Our students then pasteurize and homogenize the milk and deliver it to campus cafeterias. This fall the students (and cows) are happy to be in a beautiful new facility on the new dairy farm east of campus off Guy James Road. President McPhee, Senior VP Cothorn and Provost Bartel were all supportive of moving the dairy operation from the Blackman area to the new farm. Stu-

dents have been milking on the Blackman area farm since the 1960s. The new dairy is a state-of-the-art facility and the animals are provided many conveniences not available on the previous site.

Dr. Gill, Director of ABAS, Mr. Tim Redd, Farm Manager, and the entire faculty in ABAS are too be commended for a very well organized ribbon cutting ceremony for the new facility on September 15, 2011. This is a great step forward on our farm laboratory.

CBAS New Hires: Fall 2011

We are grateful for the support from Provost Bartel and President McPhee that allowed us to recruit 13 new tenure-track and clinical track faculty for fall 2011. New in Aerospace – Phillip Poyner; new in biology – Ashley Morris and Brian Robertson; new in chemistry – Chengshan Wang; new in computational science/computer science – Hyrum Carrol; new in concrete industry management – Angela Barlow (Director of MSE Ph.D. program), Rongjin Huang, and

Jeremy Strager; new in physics/Ayay Ahmed; new in engineering technology – Tom Gormley and Doug Chelson; new in mathematical sciences astronomy – Brian Frank; new in MTeach – Robin Bollman/ new in spring 2011 – Kyle Snyder (AERO), Iris Gao (BIOL) and Mark LaPorte (MTeach). We recruited another 13 faculty including temps, dissertation fellows, and post docs. Welcome to MTSU.

CBAS Skybox for WKU

Colleges were given the opportunity to use a skybox for one football game to entertain donors. CBAS chose October 6 (MTSU v. WKU). Donors to Aerospace, Agribusiness and Agriscience, Computer Science/Mathematics, and Military Science accepted our invitation including two couples from Huntsville. The dean invited appropriate department chairs and directors to serve as hosts for the guests – Dr. and Mrs. Dorman, Dr. Gill, Dr. and Mr. Petty, LTC Kast, and Kyle Snyder (AERO) served as hosts along with development director Jennifer Stines and Associate Dean Foroudastan. Everyone enjoyed the fellowship and the great seats for the game. Losing to WKU in two overtimes was disappointing. If the opportunity is available again other donors will be invited.

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Faculty and Friends
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The Basic Facts

VISIT OUR WEB PAGE
<http://www.mtsu.edu/cbas/>

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

All departments are invited to submit items for this column

Aerospace

On Sept. 28, 2011, MTSU Aerospace hosted Lt. Col. Matt J. Martin to speak on his experiences as a Predator pilot and his recent book, *Predator: The Remote Control Air War Over Afghanistan*.

Agribusiness/Agriscience

Dr. Warren Anderson has been appointed to the TN Solid Waste Advisory Control Board by Governor Bill Haslem. The committee advises the TN Dept. of Environment and Conservation.

100 Years of MTSU Agriculture

With over 400 Alumni, students and friends in attendance, the ribbon cutting ceremony officially opened the new MTSU Agribusiness and Agriscience (ABAS) Experiential Learning and Research Center Dairy. Since agriculture has been a part of MTSU since the beginning, it was fitting that the dairy opening was a part of MTSU's Centennial celebration.

The dairy is a 2.4 million dollar project which is part of an overall 4.4 million dollar farm improvement program designed not only to provide excellent hands-on opportunities for students to learn about plant and animal production, but also to prepare students for Tennessee's large food processing industry.

John Hood, former State Representative and now MTSU Director of Community Relations, was the Master of Ceremonies. Tim Redd, Director of the Farm Laboratories, opened by dedicating the day to Dr. Harley Foutch. Dr. Foutch was Director of the MTSU School of Agribusiness and Agriscience for 27 years. It was his foresight and early planning that laid the groundwork for the development of the new farm laboratory.



MTSU is the only University in the State of Tennessee where students milk cows and process the milk to be served across campus. He also pointed out that this facility is consistent with MTSU's mission and vision to provide a supportive learning environment; the finest faculty, the finest facilities; and a student experience that is as personal and unique as our diverse campus population.

The Tennessee Department of Agriculture has been a major partner in developing the new MTSU's new Farm Laboratory. Tennessee's Commissioner of Agriculture, Julius Johnson, praised the new facility and recognized the important roles of the legislators who were present in supporting higher education. Those present included Senators Jim Tracy and Bill Ketron and State Representatives Pat Marsh and Joe Carr.

Fifth Raiderfest is Best Ever!

The Fifth annual Raiderfest was the best yet. The event, hosted by the MTSU School of Agribusiness and Agriscience (ABAS) and organized by the Student Agricultural Government Association (SAGA), welcomed 195 high school agriculture students, teachers and chaperones from across the state.

The event was extra-special this year because it was held along side the MTSU Homecoming, thus the students were treated to 100th Anniversary festivities. This included getting to meet and greet the many Ag Alumni who were on hand for the celebration.

Raiderfest gives potential future agriculture students the opportunity to visit the MTSU campus, learn about the MTSU campus, learn about the MTSU agriculture program and tour some of the farm laboratories. As usual, the MTSU chocolate milk was a highlight.

It also gives high school students the opportunity to meet and greet MTSU ABAS faculty and interact with students representing Ag-related clubs and organizations.

Most of all, the students who join in Raiderfest have fun. ABAS students organized numerous events and treated the students and other guests to hamburgers, hot dogs and all the trimmings and capped the day with a very exciting football game versus the University of Memphis

Biology

Dr. Jeffrey Walck was a featured speaker at the 4th World Conference on Ecological Restoration in Merida, Mexico in August 2011. He spoke on the topic of restoration seed banking.

Chemistry

Preston MacDougall was invited to give a Chemistry Seminar at East Tennessee State University on October 28th. In addition to his lecture on ³Volume-rendering in tandem with hyperwall technology for a new molecular visualization-based platform for drug design², he also spoke to

faculty and students about the new Computational Science Ph.D. Program at MTSU.

Concrete Industry Mgmt.

CIMD has added one new full-time staff member and filled two open positions. Jon Huddleston, hourly Lab Manager is now a full-time staff member. Ayaz Ahmed is filling an open clinical track faculty spot and Nicole Green from the Career Center has moved into CIM as the Marketing & Recruiting Coordinator.

Mathematics

The Department of Mathematical Sciences is hosting the Tennessee Council of College Chairs of Mathematics on November 4-5. TCCCM has met annually for many years to discuss common issues and problems in mathematics education at Tennessee's public universities and community colleges.

**First Friday
Star Parties
for November -
December, 2011**
6:30 p.m., WPS 102
and Outside

Friday, November 4
"Galaxy Zoo: Contributing to
Astronomy Online"
J. Wallin

Friday, December 2
"Juno to Jupiter"
C. Higgins