



# The Basic Facts

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

## Zamora and Swain Acknowledged - Biology

### The Science of Success

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John Zamora, Professor in the Biology Department was named a Fellow of the Tennessee Academy of Science at the November 2002 annual meeting held at East Tennessee State University.

Dr. Zamora has been involved with the Tennessee Academy of Science for several years. He has shared the platform for paper presentations with his students as well as presenting his own work. He has co-presented with students in Botany, Engineering, and Cell and Molecular Biology. To his credit, several of his Science students have won either first, second or third place awards for their presentations.

Dr. Zamora has chaired the Medicinal, Microbiology, and Cell and Molecular Biology programs for the TAS. Additionally, he reviews manuscripts for the Journal of the Tennessee Academy of Science. Over the years he has served as a judge for paper and poster presentations in these specialty areas.

Sarah H. Swain received the Distinguished Service Award for her many years as an officer for the Tennessee Academy of Science. She has served as the secretary for the TAS for the past eleven years and still holds the

position of secretary to this day!

Ms. Swain's research interest is cytogenetics. She teaches several courses in the Biology Department and serves as an advisor for Pre-Med and Biology students. She is a member of the Honors College and serves on student thesis committees.

She is supervisor for graduate teaching assistants who teach in Biology 1110. Additionally, there is a scholarship in her name, "The Sarah H. Swain Biology Scholarship for Undergraduate Research."

Congratulations to these deserving faculty members!



## Aerospace Department Highlighted in Plane & Pilot Magazine

The Aerospace Department was highlighted in the February 2003 issue of Plane & Pilot magazine. The article used the MTSU motto, "It's all about where you are going" when writing about the career opportunities in aviation.

Aerospace Chairperson, Paul Craig, was pleased to note that their graduates are sought after by leading aviation firms. The article is quoted to say, "Hiring managers across the aviation career field see the full university experience as a maturing process wherein a significant goal is set and then achieved through team-working skills. A degree from a renowned school is regarded as evidence of an individual's ability to quickly learn new and complex concepts."

The article stressed, "MTSU produces well-rounded graduates whom leading aviation firms desire in new-hires destined for upward movement."

Aviation is a field where cutting edge advances occur in this industry on a daily basis. Continuing education is continuous, and entrenched study habits never die. The term "life long learning" is a mantra for this highly specialized field. Students and aviation specialists must keep abreast of new technologies in this highly competitive field.

It is important that all students in the Aerospace major receive a "well-rounded" education. For that reason, the MTSU Aerospace Depart-

ment insists that all students pursue a minor field of study apart from aviation, whether it be business, computer science or any other meaningful field that would contribute to the discipline. Students are guided in these decisions by a career advisor.

The article went on to highlight the five concentrations offered by the Aerospace Department: Professional Pilot, Maintenance Management, Administration, Technology and the only Bachelor's degree in Flight Dispatch and Scheduling in the United States of America!

We are proud of this signature program and our Aerospace faculty, students and alumni!

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

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

## Nursing Professor Receives Two Awards!



Congratulations to Dr. Stephen D. Krau, Professor in the School of Nursing, upon his receipt of two prestigious awards!

He was selected to receive the Bard Medical Excellence in Education Award from the American Association of Critical Care Nurses. He will be honored at the 2003 National Teaching Institute and Critical Care Exposition in San Antonio, TX in May, 2003.

Dr. Krau is a practicing critical care RN in the Coronary Care Unit at Vanderbilt University Medical Center in Nashville.

Dr. Krau recently received notice that a book in which he authored a chapter has won the American Journal of Nursing Award for "Research Book of the Year." His chapter, "It felt like getting kicked by a mule" can be found in Thomas, S. & Pollio, H. (2001) Listening to Patients: A Phenomenological Approach to Nursing

Research and Practice, Springer Publishing. Being cited as the recipient of this award is one of the most prestigious accolades a nurse scholar can receive for publishing!

Dr. Krau teaches several courses in the School of Nursing including on-line instruction. His research interests include, Men in Nursing, Qualitative Methods and End of Life Care.



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

All departments are invited to submit items for this column

### Agribusiness/Agriscience

**Janet Kelly**, Executive Aide in the School of Agribusiness/Agriscience, has been inducted into the Phi Kappa Phi Honor Society.

**Jason Searles**, an Agribusiness major, won the State Farm Bureau Debate/Discussion Meet at the State Farm Bureau Convention. Searles, a junior, has won the right to represent MTSU in the contest by winning an earlier round in March 2002. The State Farm Bureau contest, in conjunction with the State Young Farmers and Ranchers who sponsors the event, was open to all college students and State Farm Bureau members from ages 18-35. In the final round of the State Contest, Searles defeated Ivy Hillis from Tennessee Tech., Derek Norman from UT Martin, and Jerry Baker from Crossville, TN. Searles will now travel to Tampa, FL, 1/17-1/22 to represent MTSU to compete in the American Farm Bureau Contest. The national winner will be presented with a Dodge RAM 3/4 diesel truck.

**Warren Anderson** and students from his Soil and Water Conservation class were acknowledged as park volunteers in the December newsletter of the Stones River National Battlefield Program for helping remove invasive exotic plants from the battlefield and Fortress Rosecrans.

### Biology

**Senior Eric Freundt**, mentored by **Stephen Wright**, has provided the missing link that supports the notion that ticks can transmit the Enterovirus that causes meningitis. His work was recently featured in "Today's Response."

### Chemistry

**Judith Iriarte-Gross** was recently appointed as an associate of the Women Chemists Committee

(WCC), a Joint Committee of the Council and Board of Directors, by the President of the American Chemical Society.

**Gary Wulfsberg** was honored as the 2002 Distinguished College/University Scientist by the Tennessee Academy of Science at the November 2002 annual meeting.

**Judith Iriarte-Gross** announces that Dr. Cornelia Gillyard will present a seminar titled, "Programs that Work for Women in Science and Engineering" for National Women's History Month on 3/6/2003 in DSB #100. The talk will start at 11:00 a.m.

### Computer Science

**Roland Untch** attended the ACM Mid-Southeast Conference in Gatlinburg this past November.

### Engineering Technology/Industrial Studies

**Mr. Marvin Runyon** was invited by **Dr. Saeed Foroudastan** to be a guest speaker at the ET 1840 class. **Saeed Foroudastan** organized an ASME sponsored tour to the Saturn Manufacturing Plant in Spring Hill, TN. Over 30 students participated in the tour.

**Tau Alpha Pi Honor Society** has generated student interest in the ETIS Department. **Saeed Foroudastan** has been working with students to understand the benefit of membership in this society. The enrollment package has been submitted to the National Headquarters for final approval.

### Military Science

**Cadet Bradley Lang** was commissioned into the U.S. Army as a second lieutenant. Lang graduated with a B.S. in Mass Communication and a double minor in English and Military Science.

On December 27, 2002, the MTSU

ROTC Alumni Chapter held its ROTC Alumni meeting. **James Ramsey**, a sophomore in the ROTC program and currently enlisted in the National Guard, was awarded a \$1,000 scholarship. In addition, **Col (R) Tom Reeves** was elected as the Hall of Fame winner.

**The Blue Raider Battalion** will conduct a Joint University Field Training Exercise at the Catoosa Training Site in Chattanooga, Tennessee. Along with the Joint FTX, the Battalion will participate in the JROTC Inspections, Combat Water Survival Training and numerous color guard ceremonies.

### Nursing

**Janice Harris** presented, "Life in ER/Trauma: An Overview" at the MTSU Student Nurses Association (SNA).

**Stephen Krau** presented, "Teaching Students How to Create Positive Outcomes through Research Utilization" at the January "Teaching-Learning" CBAS seminar series.

**Maria Smith** recently published, "Efficacy of Web-Enhancement on Student Technology Skills." Online Journal of Nursing Informatics (OJNI). (October 2002). Vol. 6. No. 3. [Online]. Available at <http://eaa-knowledge.com/ojni/ni/1002/smith.htm>

**Shelia Marquart** received the Susan Culpepper Award for Advising in 2002 from the Tennessee Student Nurses Association.

**Ken Edmission** was recently selected to serve as a peer reviewer for the Federal Register, a professional, peer-reviewed journal for providers in the VA Department of Defense and Public Health Service.

**Martina Harris** coordinated "Cultural Awareness Day" for students and faculty this past No-

ember.

**ANNOUNCEMENT** The SON is pleased to announce that our application for accreditation by the Commission on Collegiate Nursing Education (CCNE) has been accepted, and the program will be reviewed Spring, 2003. MTSU will host the on-site evaluation team April 7-9, 2003. The purpose of this announcement is to provide constituents, including students, alumni, faculty and the practice community, an opportunity to provide input into the deliberations of the evaluation team. Written and signed third-party comments will be accepted by CCNE until 30 days before the visit. All comments should be directed to:

Mr. Mark Jenkins  
CCNE Data & Records Coordinator  
One Dupont Circle, NW  
Suite 530  
Washington, DC 20036-1120

**Physics and Astronomy**  
**Mari Weller of Physics and Astronomy and Judith Iriarte-Gross, Chemistry** presented a joint lecture at the CBAS "Teaching-Learning" seminar series on the topic, "This is NOT Your Parents' Physical Science Course."

### CBAS

**Judy Carter**, former executive secretary in CBAS, transferred to the executive aide position in the Associate Dean for Research and Outreach office in December. She will be working closely with Dr. E. Ray Phillips on several projects, grants and outreach programs. We wish Judy well in her new position.

**Lynn Parsons** recently published "Never Underestimate the Importance of Networking: An Imperative Process for Career Success" in the December 2002 issue (vol.19, no.4) of Spinal Cord Injury Nursing.