

Addendum to the Program
116th Meeting of the Tennessee Academy of Science
Austin Peay State University
November 17, 2006

2006 TAS Plenary Address

“The Future of Science Education in Tennessee”

Ms. Susan Bunch

Assistant Commissioner for Teaching and Learning
Tennessee Department of Education.
10:30-11:30 Sunquist Science Complex E106

2006 TAS Industrial Scientist Award

Mr. Barry L. Kulback

Trane Commercial Systems.
Presented by TAS President John W. Harris
11:30-noon, Sunquist Science Complex E106

Additions – Oral Presentations

Microbiology

Molecular Diagnostic For TB Using Epitope Peptide Coupled With TAD Surface Chemistry In A Highly Sensitive ELISPAC Detection System

A Rinaldy, J. Henry, K. Gregorius, R. Ilyas and B. Setiawan, Innogene Kalbiotech, Singapore, China (AR, RI, BS) and ImmunoCon Diagnostic, Cordova, TN (AR, JH, KG).

Science and Math Education

Changes in Elementary Student Knowledge and Attitude About the Process of Science and the Environment Through an Ecological Field Study of the Cedar Glades. K. Metius-House* and K. Cleary Sadler, Middle Tennessee State University.

Engaging Students in Active Learning with Tactile Teaching Tools. M. A. Franzen, D. S. Goodsell, and T. Herman, Pellissippi State Technical Community College (MF), The Scripps Research Institute, La Jolla, California (DG), and Milwaukee School of Engineering, Milwaukee, Wisconsin (MF, TH).

Service-Learning In Undergraduate Biology Courses. D. Panvini, Belmont University.

Teaching Undergraduates How to Read Scientific Articles: A Stepwise Approach. J.T. Thomas. Belmont University.

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Additions – Poster Presentations

Botany

Assessing The Migratory Vigor Of *Lolium Arundinaceum* In Association With A Novel Endophytic Symbiont Using Microsatellite Markers. S. M. Mersch*, Middle Tennessee State University.

Cell and Molecular Biology

Preparatory Steps For *Daucus Carota* Transformation With An O-Antigen Gene From *Shigella Sonnei* For Possible Vaccine Use. R. M. Sharpe and A. B. Cahoon, Middle Tennessee State University.

q(RT)₂PCR For Relative Expression of Selected Genes Along the Length of a *Zea mays* leaf. R. M. Sharpe and A. B. Cahoon, Middle Tennessee State University.

Science and Math Education

From Bench To Bedside: Molecular Stories Of Research-Based Health Care. S. Colton, A. Batiza, M. Franzen# and T. Herman, Milwaukee School of Engineering, Milwaukee, Wisconsin.

Zoology

An Assessment Of Male Spatial Interactions Among Raccoons. N. E. Jordin*, J. B. Jennings*, and M. L. Kennedy, The University of Memphis.

Biodiversity Of Shrews (Soricidae) In Western Tennessee.

A. N. McBride*, H. L. LaMountain*, and M. L. Kennedy, The University of Memphis.

The Effects Of Agricultural Land Clearing On The Viability And Diet Of The Maned Wolf, *Chrysocyon Brachyurus*. L. N. Anglin*, A. B. Ragsdale*, and C. Vynne, Christian Brothers University, The University of Memphis, and University of Washington, Seattle, Washington.

Change:

Math and Computer Science

Solving Differential Equations Using Predictor-Corrector Methods. S. Jator, Austin Peay State University.