Tennessee Academy of Science

TAS

Program

of the

112th Meeting

East Tennessee State University
Johnson City, Tennessee
November 14-15, 2002
Institutional Sustaining Members of the Tennessee Academy of Science

Austin Peay State University

College of Graduate Health Sciences, University of Tennessee Health Sciences Center in affiliation with St. Jude Children's Research Hospital

Middle Tennessee State University

Rhodes College

Tennessee Technological University

The University of Tennessee at Martin

Affiliated Societies of the Tennessee Academy of Science

American Association for the Advancement of Science

Barnard Astronomical Society

Clarence T. Jones Memorial Observatory

National Association of Academies of Science

Tennessee Association of Science Department Chairs

Tennessee Entomological Society

Tennessee Junior Science and Humanities Symposium

Tennessee Psychological Association

Tennessee Science Teachers Association

TAS Home Page Information
For information about TAS, including information for the annual meeting, the Tennessee Visiting Scientist Program, the membership database, and winners of the student paper and poster competitions, visit the TAS website at: http://tas.rhodes.edu/tas.htm
TABLE OF CONTENTS

TAS Institutional Sustaining Members Inside front cover
TAS Affiliated Societies Inside front cover
Table of Contents p. 1
Meeting Agenda p. 2
General Session p. 3
Poster/Exhibiting Viewing p. 3
Annual Luncheon p. 3

Technical Sessions in D.P. Culp University Center
1. Botany p. 4
2. Cell and Molecular Biology p. 5
3. Chemistry p. 6
4. Engineering & Engineering Technology p. 7
5. Ethics of Science and Technology p. 8
6. Geology and Geography p. 9
7. Health and Medical Sciences p. 12
8. History of Science p. 13
10. Microbiology p. 15
11. Physics and Astronomy p. 16
12. Science and Math Teaching p. 17
13. Zoology p. 18

Poster Sessions (Culp Ballroom) p. 19-20
Executive Committee Inside back cover
Local Arrangement Committee Inside back cover
Map of Campus p. 10-11
Standing Committees p. 22

ANNOUNCEMENTS

Slide Viewing Room: SAC Conference Room—First floor Culp University Center
Registration: Meeting attendees may register in the Lobby of the Culp Auditorium during the morning (7:30 a.m. until 11:30 a.m.) and in the Atrium (Culp Center-third floor) until 1:00 p.m.
Tickets for the Annual Luncheon may be purchased for $10.00 at the Registration Desk.
Membership: Application forms for membership in the Tennessee Academy of Science are available at the Registration Desk. A completed application accompanied by first year dues may be left with the TAS Treasurer at the Registration Desk or mailed to: Dr. John Harris, Biology Dept., TTU, Cookeville, TN 38505. Annual dues, which include a subscription to the Journal are $20.00; Sustaining Members, $25.00; Supporting members, $30.00; Life Members, $200.00. All student memberships are $10.00.
MEETING AGENDA

Thursday, November 14, 2002

6:00 p.m.-10:30 p.m. Executive Committee Meeting
Culp University Center, Tennessee Room

Friday, November 15, 2002

7:30 a.m.-1:00 p.m. Registration and Refreshments
Auditorium Lobby
D.P. Culp University Center

8:30 a.m.-1:00 p.m. Posters on Display
Culp University Center, Ballroom

8:00 a.m.-8:40 a.m. Annual Science Chairs Meeting
Culp University Center
Tennessee Room

8:45 a.m.-11:00 a.m. JTAS Section Editors Meeting
D.P. Culp University Center, Forum

8:45 a.m.-8:50 a.m. Welcome to Membership
D.P. Culp University Center, Auditorium
Dr. Bert C. Bach, Provost/Vice President

8:50 a.m.-9:30 a.m. Business Meeting
D.P. Culp University Center, Auditorium
Dr. Jack Rhoton, Presiding

9:30 a.m.-10:30 a.m. TAS Plenary Session
D.P. Culp University Center, Auditorium
Presentation by Dr. Steven Wallace
"Paleoecological Interpretation of the Gray Fossil Site (Miocene), Washington Co., Tennessee"

10:30 a.m.-12:00 p.m. Poster Viewing and Evaluation
D.P. Culp University Center, Ballroom

12:00 p.m.-1:00 p.m. Annual Luncheon
D.P. Culp University Center, Ballroom

1:10 p.m.-1:15 p.m. Section Business Meetings
D.P. Culp University Center, Tennessee Room

1:15 p.m.- Technical Sessions
D.P. Culp University Center
GENERAL SESSION

Auditorium, D.P. Culp University Center
8:45 a.m., November 15, 2002
Dr. Jack Rhoton, Presiding

WELCOME

Dr. Bert Bach, Provost/Vice-President of Academic Affairs
East Tennessee State University

8:50 a.m. BUSINESS MEETING
Auditorium, Culp University Center
Dr. Jack Rhoton, Presiding

TAS PLENARY SESSION

9:30 a.m.
Keynote Address
Dr. Steven Wallace
Assistant Professor of Geology
East Tennessee State University

Steven Wallace joined the Department of Geography, Geology & Geomatics at East Tennessee State University in 2001. Dr. Wallace is responsible for providing technical advice and developing the long-ranged plans for utilization of the Gray Fossil Site in Washington County, Tennessee. Prior to joining East Tennessee State University, he received his B.S. (1995), Cum Laude, Geology, Bowling Green State University, Bowling Green Ohio; M.S. (1997), Geology, Fort Hays State University, Hays, Kansas; Ph.D. (2001), Vertebrate Paleontology, University of Iowa, Iowa City, Iowa.

Presentation

Paleoecological Interpretation of the Gray Fossil Site (Miocene), Washington, Co., Tennessee

Poster Viewing and Evaluation
10:30 a.m.-1:00 p.m.

Lunch in the Culp Student Center, Ballroom
12:00-1:00 p.m.

TAS Future meeting Sites:
2003 Nashville (Joint meeting with Tennessee Science Teachers Association)
2004 Columbia State Community College (Columbia)
2005 University of Tennessee at Martin (Martin)
1:10 pm  **Section Business Meeting: Election of Section Officers for 2003**

1:15  **Two Novel Transposable Elements Identified In A Computerized Survey Of The Rice (Oryza sativa L.) Genome.** Todd C. Wood and Leah Lavoie*, Bryan College

1:30  **Clarification Of Carex Section Phaestoglochin In Tennessee, With Particular Reference To C. radiata L.** Dwayne Estes* and Jeffrey L. Walck, Middle Tennessee State University

1:45  **The Status Of Castanea dentata On The Northern Highland Rim Of Kentucky And Tennessee**  Joe Schibig, Rex Barber, Jack Torkelson*, Michael Hill*, and Jeannie Katzenmiller, Volunteer State Community College (JS, RB, JT, JK), and Austin Peay State University (MH)

2:00  **Nitrogen and Carbon Use In Three Lemnacean Taxa**  G. Shinde*, T.J. Durham*, and S.K. Ballal, Tennessee Technological University

2:15  **Closing Remarks**

* student author  # presenting author, if not first author
1:10 pm  Section Business Meeting: Election of Section Officers for 2003

1:15  The BST1 Gene Product Is A Negative Regulator Of Vesicle Budding From The Endoplasmic Reticulum, And May Contain A Lipase Domain  Todd Edwards* and Matt Elrod- Erickson, Middle Tennessee State University

1:30  Glucocorticoids And C-Ret Expression During Mus musculus Nephrogenesis  Ethel Cobbett* and Gore Ervin, Middle Tennessee State University

1:45  DNA Synthesis After Exposure To Heavy Metals In The Testis Of The Spiny Dogfish Squalus acanthias  J. Michael Redding, Tennessee Technological University

2:00  Closing Remarks

* student author  # presenting author, if not first author
Section Business Meeting: Election of Section Officers for 2003

1:15

Use of Signature Molecular Descriptor for Compound Design and Library Screening Archana Kotee* and Donald P. Visco, Tennessee Technological University

1:30

Weekly Coordinating Anions: NQR Studies of Oxygen-Metal Binding in Metal Chloroacetates and Trichloromethanesulfonates (Trichlates) Gary P. Wolfsberg, Michael Cochran*, Janie Wilcox*, and Debra J. Jackson*, Middle Tennessee State University

2:00

Closing Remarks

* student author  # presenting author, if not first author
Section Business Meeting: Election of Section Officers for 2003

Selection Of Optimum Machining Parameters In CNC Milling And Turning Processes Ismail Fidan, Tennessee Technological University

Teaching Performance Evaluation Of Transmission Lines Through An Electronics Engineering Technology Students' Project Adel Salama, Austin Peay State University, and Ashraf Saad, Georgia Institute of Technology

Using Concept Maps For Teaching And Learning Electronics Engineering Technology Ashraf Saad, Georgia Institute of Technology, and Adel Salama, Austin Peay State University

Comparison Of Second And Third Order Models Of Intracranial Pressure Dynamics Michael L. Daley, S. Surapaneni, K. Madala, University of Memphis and Charles W. Leffler, University of Tennessee Health Science Center

Dynamic Regulation Of Cerebral Blood Flow In Response To Vascular Challenge Michael L. Daley, V. Srinivasan, P. Balasubramanian, University of Memphis and Charles W. Leffler, University of Tennessee Health Science Center

Plastics Injection Molding – Molding The Student To Design A Mold John L. Byrd, Austin Peay State University

A Transitional Training Technique From Basic To Advanced Manufacturing Processes John L. Byrd, Austin Peay State University


Modeling The Solubility Of Foam Blowing Agents In Polyols Banganathan Parthasarathy* and Donald P. Visco Jr., Tennessee Technological University

Modeling Of Refrigerant Mixtures Using SAFT-VR Equation Of State Saravanan Swaminathan* and Donald P. Visco Jr., Tennessee Technological University

Molecular Modeling Of HFC – R245FA Anand Narayanan* and Donald P. Visco Jr., Tennessee Technological University

Kinetics And Microscopic Study Of The Reaction Between Blast Furnace Slag And Calcium Hydroxide K. Meenakshisundaram*, and J. J. Biernacki, Tennessee Technological University

Catalytic Carbonmonoxide Mems Sensor Himabindu V. Gopisetti*, Raghavendra R. Watada*, and Joseph J. Biernacki, Tennessee Technological University

Mechatronics – An Engineering Technology Perspective Chin-Zue Chen, John W. Blake, Austin Peay State University
Closing Remarks

* student author  # presenting author, if not first author
1:10 p.m.    Introductory Remarks

1:15    Legislating A Common Morality In Cyberspace    Joseph Kizza, University of Tennessee-Chattanooga

1:40    Presentation of Panel and Panelists
Research Integrity: Where Are We Now And Where Are We Going?

1:45    Research Integrity: What Does It Mean? Rubye Prigmore Torrey, Tennessee Technological University

2:10    Research Integrity: Plagiarism in the Classroom. Donald B. Sanderson, East Tennessee State University

2:35    BREAK

2:50    Research Integrity: How Shall We Teach It? Jeffrey G. Wardeska, East Tennessee State University

3:15    Research Integrity: Conflict of Interests Michael L. Woodruff, East Tennessee State University

3:40    Section Business Meeting: Election of Section Officers for 2003
1:10 pm  Section Business Meeting: Election of Section Officers for 2003


1:45  A New Species Of Fossil Dendropanax From The Claiborne Formation, Western Tennessee  B. Roger Moore, University of Tennessee at Martin, and David L Dilcher, University of Florida

2:00  Death Valley And The Depositional Setting Of The Tennessee Ocoee Series  Ryan Faber* and Habte G. Churnet, University of Tennessee – Chattanooga

2:15  Is The Chilhowee Mountain Of The Tennessee Western Blue Ridge A Klippe?  Habte G. Churnet, University of Tennessee - Chattanooga

2:30  Closing Remarks

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HEALTH and MEDICAL SCIENCES
Forum Room
Dr. Fred E. Hossler, presiding
East Tennessee State University

1:10 pm  Section Business Meeting: Election of Section Officers for 2003


1:30  Reovirus Antigen Expression In A Transformed And A Non-Transformed Human Cell Line  Jason K. Alexander* and Anthony L. Farone, Middle Tennessee State University

1:45  Mast Cell Infiltration And Angiogenesis In Preneoplastic Esophagus  O. Aljitawi, G. Krishnaswamy, G. Youngberg, S. Whaley, and K. Krishnan, East Tennessee State University

2:00  Adult Stem Cell Transplantation Into Ischemic Myocardium  J. Carter*, F. Hossler, B. Rowe, J. Davis, E. Ibrahim, and R. Kao, East Tennessee State University

2:30  BREAK

2:45  Enoxaparin Induced Skin Necrosis In A Patient With Factor XII Deficiency: A Case Report  O. Aljitawi, W. Abu-Auda, and A. Karnad, East Tennessee State University

3:00  The Pharmacokinetics Of (1-3)β-D Glucans.  Luke Barker*, Brent Lockhart, Liz Adams, Peter J. Rice, and David L. Williams, East Tennessee State University

3:15  Microvasculature Of The Dog Urinary Bladder Revealed With Vascular Corrosion Casting And SEM  Fred E. Hossler, Courtney W. Ridner, and Race L. Kao, East Tennessee State University

3:30  Closing Remarks

* student author  # presenting author, if not first author
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<thead>
<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>1:10</td>
<td>Section Business Meeting: Election of Section Officers for 2003</td>
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<tr>
<td>1:15</td>
<td>A Hidden Chapter In Biological Warfare During World War I</td>
<td>Frederick H. Kasten, East Tennessee State University</td>
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<td>1:30</td>
<td>&quot;We Have No ‘Erring Brethren’ To Welcome Back In Our Midst&quot;: The AAAS Meeting In Nashville, 1877</td>
<td>George E. Webb, Tennessee Technological University</td>
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<td>1:45</td>
<td>An Endoparasitic Snake? Rutherford County Medicine Meets The X-Files In The 1870s</td>
<td>C. Steven Murphree, Belmont University</td>
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<td>2:00</td>
<td>World War One And The Origin Of The American Dye Industry</td>
<td>Frederick H. Kasten, East Tennessee State University</td>
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<td>2:15</td>
<td>Through The Side Door: History Of Science As Science In The Undergraduate Curriculum</td>
<td>Thomas A. Furtsch and George E. Webb#, Tennessee Technological University</td>
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<td>2:30</td>
<td>Closing Remarks</td>
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MATH and COMPUTER SCIENCE
Meeting Room 4a
Dr. Jeff Knisley, presiding
East Tennessee State University

1:10 pm  Section Business Meeting: Election of Section Officers for 2003

1:15  Incorporating ORACLE Into The Undergraduate DBMS Class, Lessons Learned
      Don Sanderson and Lorie Moffit, East Tennessee State University

1:30  Securing A Regional College Campus Computer Network: A Case Study
      Rick Simons* and Phil Pfeiffer, East Tennessee State University

1:45  Lessons Learned: Online And Augmented Online Teaching Of A Software Analysis
      And Design Class
      Srini Ramaswamy, Tennessee Technological University

2:00  Relativity And Rocket Powered Flight
      Yousef Mohammed* and Jeff Knisley, East Tennessee State University

2:15  Green’s Function For An Equivalent Cable Model
      Scott La Voie* and Jeff Knisley, East Tennessee State University

2:30  Closing Remarks

* student author  # presenting author, if not first author
1:10 pm  Section Business Meeting: Election of Section Officers for 2003

1:15  Detection Of A Tick-Borne Enterovirus In Patient Cerebrospinal Fluid
Eric C. Freundt* and Stephen M. Wright, Middle Tennessee State University

1:30  Isolation And Identification Of Lipase-Producing Microorganisms
Kimber J. Logan-Dunn* and John M. Zamora, Middle Tennessee State University

1:45  Allelopathic And Antimicrobial Properties Of Ligusticum porteri
Jesse M. Carter* and John M. Zamora, Middle Tennessee State University

2:00  Drink Or Swim: Bacteriological Water Quality Of Areas On The Stones River And J. Percy Priest Lake
Jaime L. Rogers* and John M. Zamora, Middle Tennessee State University

2:15  BREAK

2:30  A Computer-Simulated Neural Network To Detect The Spore Of Bacillus anthracis In Aerosol From Light Scattering Measurements
Patricia G. Hull and Thomas Mason*, Tennessee State University

2:45  Superinfection With Herpes Simplex Virus Type 2 Induces A Persistent Morphology In Chlamydia trachomatis
Srilekha Deka* Sophie Dessus-Babus, Judy Whittimore, Priscilla B. Wyrick, and Robert V. Schoborg, East Tennessee State University

3:00  Construction Of An Expression Vector For The Identification Of Genes Required For The Production Of Heterobactin In Rhodococcus erythropolis
Samuel E. Moretz* and Bert C. Lampson, East Tennessee State University

3:15  Closing Remarks

* student author  # presenting author, if not first author
1:10 pm      **Section Business Meeting: Election of Section Officers for 2003**

2:30      See Microbiology (Room 6) for physics-related presentation by P.G. Hull and T. Mason
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<td><strong>Section Business Meeting: Election of Section Officers for 2003</strong></td>
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<td>1:15</td>
<td><strong>Basic Electric And Magnetic Concepts: Are They Forgotten Or Never Learned?</strong></td>
<td>Roy W. Clark, Middle Tennessee State University</td>
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<td>1:30</td>
<td><strong>How A Team Of Undergraduate Teaching Interns Rejuvenated An ACS Chemistry Program</strong></td>
<td>Judith M. Bonicamp, Middle Tennessee State University</td>
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<td>1:45</td>
<td><strong>Free Math And Science Education Resources On The Internet</strong></td>
<td>Judith H. Hector, Walters State Community College</td>
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<td>2:00</td>
<td><strong>Determining Rate Laws Of Everyday Processes</strong></td>
<td>Amy J. Phelps and Michael J. Sanger, Middle Tennessee State University</td>
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<td>2:15</td>
<td><strong>Determining Rate Laws Of Everyday Processes</strong></td>
<td>Amy J. Phelps and Michael J. Sanger, Middle Tennessee State University</td>
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<td>2:30</td>
<td><strong>BREAK</strong></td>
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<td>2:45</td>
<td><strong>Demonstration Of A Year-Long General Chemistry Course On The Internet Using Course Info</strong></td>
<td>Earl F. Pearson, Middle Tennessee State University</td>
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<td>3:00</td>
<td><strong>Using Computer Animations To Teach Chemistry At The Molecular Level</strong></td>
<td>Michael J. Sanger, Middle Tennessee State University</td>
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<td>3:15</td>
<td><strong>Technical Errors In Middle And High School Science Texts</strong></td>
<td>David J. Wilson, Brown and Caldwell Company</td>
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<td>3:30</td>
<td><strong>The Power Of Practice: What Students Learn From How We Teach.</strong></td>
<td>Amy J. Phelps, Middle Tennessee State University</td>
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<td>3:45</td>
<td><strong>The Effectiveness Of Cooperative Learning As An Instructional Strategy In Large, Nonmajors College Biology Classes</strong></td>
<td>Kim Cleary Sadler, Middle Tennessee State University</td>
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<td>4:00</td>
<td><strong>The Tennessee Junior Academy Of Science: Sixty Years Of Service To Secondary Science Students.</strong></td>
<td>Jack Rhoton, East Tennessee State University</td>
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<td>4:15</td>
<td><strong>Closing Remarks</strong></td>
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* student author # presenting author, if not first author
1:10 pm  Section Business Meeting: Election of Section Officers for 2003

1:15  Predation On Nests Of Northern Bobwhites (Colinus Virginianus): Observational Evidence For Vertebrates  Jason B. Jennings*, Michael L. Kennedy, and Alan E. Houston, University of Memphis (JB, MK), and University of Tennessee (AH)

1:30  An Assessment Of Biodiversity Of Small Mammals In Three Habitat Types In Western Tennessee  Heidi L. LaMountain*, and Michael L. Kennedy, University of Memphis

1:45  Harvest Data For White-Tailed Deer At Milan Army Ammunition Plant (1986-2000)  Monica Pope*, Michael L. Kennedy, and Floyd W. Weckerly, University of Memphis (MP, MK) and Southwest Texas State University (FW)

2:00  An Assessment Of Mammalian Visitation To Scent Stations In Three Habitat Types  Erica Hessen*, Brian Carver*, and Michael L. Kennedy, University of Memphis

2:15  Habitat Use By Three Species Of Shrew In Western Tennessee  Melita E. Smith*, Michael L. Kennedy, and James A. Huggins, The University of Memphis (MS, MK), and Union University (JH)

2:30  BREAK

2:45  An Assessment Of Spatial Partitioning Of Habitat Among Mammalian Mesopredators  Brian D. Carver*, Michael L. Kennedy, and Alan E. Houston, The University of Memphis (BC, MK), and University of Tennessee (AH)

3:00  The Use Of Passive Integrated Transponders (Pits) In Studies Of The Life History And Ecology Of Eumeces fasciatus And E. laticeps  Joseph R. Schiller, Amelia Lewis*, and Amy Evjen*, Austin Peay State University

3:15  Multi-Scale Breeding Bird And Land-Cover Associations With Surface Modeling Of Urban Impact  J. Russell Butler, University of Michigan

3:30  Association Of Selected Habitat Variables To Capture Success Of Mesopredators  Roger A. Baldwin*, Michael L. Kennedy, and Alan E. Houston, University of Memphis (RB, MK), and University of Tennessee (AH)

3:45  Long-Term Dynamics In A Population Of Raccoons, Procyon lotor, In Southwestern Tennessee  John R. Hisey*, Michael L. Kennedy, Troy A. Ladine, and Shannon A. Maris-Danley, Lee University (JH), and University of Memphis (MK, TL, and SM-D)

4:00  Closing Remarks

* student author  # presenting author, if not first author
POSTERS ON DISPLAY
Culp Ballroom

*student author  # presenting author, if not first author

BOTANY

The Physiological Significance Of Nonphotochemical Dissipation Of Excess Light Energy By The Photosystem-II Core During The Development Of Photochemistry. Jefferson G. Lebkuecher, Mandi M. Coleman#, Stephanie M. Gunn#, James O. Harmon#, Rebecca A. Houtman#, Rhonda P. Johnston#, Tanya M. North#, and April S. Warren#, Austin Peay State University

CELL AND MOLECULAR BIOLOGY

The Regulation And Activation Of STATS By CNTF In Adipocytes. William Stewart, Sanjin Zvonic, and Jacqueline M. Stephens, Middle Tennessee State University (WS) and Louisiana State University, Baton Rouge, Louisiana (SZ, JS).

CHEMISTRY

Nickel Depletes Glutathione Levels in Human Monocytic Progenitor Cells (U937 Cells). William Y Boadi, Justin B. Anderson *#, Lonnie Sharpe, Tennessee State University and Samuel E. Adunyah, Meharry Medical College

Effect of Glutathione Levels in Leukemia U937 Cells. William Y. Boadi, Brooke Henderson *#, Peter A. Iyere, Lonnie Sharpe, Tennessee State University and Samuel E. Adunyah, Meharry Medical College

To Buy or Not to Buy: Preparation of Colloidal Silica Spheres. Cynthia R. Allison*, Cameron K. Gren*, Marion R. Wells, and Andrienne C. Friedli, Middle Tennessee State University


Controlled Coating of Colloids: Organosiloxane Films on Silica Nanoparticles. David E. Noga *#, Cynthia R. Allison*, Adam F. Farmer*, and Andrienne C. Friedli, Middle Tennessee State University

Producing Push-Pull Polyene Pigments: The Electronic Effect of Indoline and Piperidine Donors. Robert W. Tilford*#, and Andrienne C. Friedli, Middle Tennessee State University

HEALTH SCIENCES

Vertebral Artery Dissection; An Unusual Cause Of Respiratory Failure In The Elderly. Halim Abou Faycal, East Tennessee State University

Noninvasive Detection Of BER Frequency Of GI Smooth Muscle In Preliminary Colectomy Studies With Squid Magnetometer. Brenda J. Christopher*, Andrew J. Meyers, Jared Sims, James K. McDowell, Bill Richards, and Alan Bradshaw, East Tennessee State University (BJC), Vanderbilt University Medical Center (BJC, AGM, KS, JGM, BR), and Vanderbilt University (AB)

Uncommon Cause Of Chest Pain And Abnormal ECG In Young Man. Daniel Merrick, Said Iskandar, and Kim Dittus, East Tennessee State University

Effect Of Vitamin E On Immunological Stress Responses. Daniel Merrick, David S. Chi, William Stone, Guha Krishnaswamy, and Joseph Neumann, East Tennessee State University

5-AZA-2’-Deoxycytidine For Myocardial Infarctions. Esha Ibrahim, Janet W. Davis, Thomas K. Chin, and Race L. Kao, East Tennessee State University

MATH AND COMPUTER SCIENCE

Augmenting Microsoft Visio To Generate SQL From ER Diagrams The METS Project Justin Starnes (S) Don Sanderson(T) East Tennessee State University, Johnson City, Tennessee

Development Of A Data Warehouse Of Academic Outcome Assessment Data Margaret Lester(S) Don Sanderson(T) East Tennessee State University, Johnson City, Tennessee

MICROBIOLOGY

Novel Penicillin Resistance in Moraxella catarrhalis James Fairman*, Foster Levy, and Elaine Walker, East Tennessee State University

PHYSICS AND ASTRONOMY

Microvariability in Mira Stars Gary D. Henson, Jennifer Reiff*, Heather Guenther*, and Charles Huffman* East Tennessee State University (GDH, CH), Otterbein College (JR), Biola University (HG)

SCIENCE AND MATH TEACHING

Using Hardware Materials To Model The Mole, Stoichiometry, And Limiting Reactant In A Laboratory Exercise For Introductory Chemistry Students Tammy Melton and Larry Scheich, Middle Tennessee State University and St. Norbert College

ZOOLOGY

A Study Of The Efficacy Of Passive Integrated Transponders (Pits) For Permanent Identification Of Eumeces fasciatus And E. laticeps. Amelia Lewis*, Joseph R. Schiller, and Amy Evjen*, Austin Peay State University

A Study Of The Effect Of Tail Autotomy On Social Dominance Among Male Five Lined Skink, Eumeces fasciatus, In Contests Over Mating Access To Reproductive Females. Amy Evjen*, Joseph R. Schiller, and Amelia Lewis*, Austin Peay State University

Corbicula fluminea (Bivalvia:Molusca) Glycogen Concentration And Condition Indices As Indicators Of Habitat Quality In The Upper Wolf River, Tennessee And Mississippi. David H. Kesler, Rhodes College
TAS Standing Committees 2002

Auditing Committee
Dr. Eugene Kline, Chair, Tennessee Technological University
Dr. Dave Yarbrough, Tennessee Technological University
Dr. Robert Martin, Tennessee Technological University (ret.)

Fellows Committee
Dr. Charles R. McGhee, Chair, Middle Tennessee State University
Brother Kevin Ryan, Christian Brothers College
Dr. Gladius Lewis, University of Memphis

Financial Oversight Committee
Dr. Andrew Sliger, Chair, University of Tennessee at Martin
Dr. John W. Harris, Tennessee Technological University
Dr. Floyd Scott, Austin Peay State University

Industry/Government Committee
Dr. David Wilson, Chair, Vanderbilt University (ret.)
Dr. Michael Daley, University of Memphis
Dr. David Wilson, Vanderbilt University

Long Range Strategic Planning Committee
Dr. George Murphy, Chair, Middle Tennessee State University
Dr. Steven Murphree, Belmont University
Dr. Dave Yarbrough, Tennessee Technological University
Dr. Diane Nelson, East Tennessee State University
Dr. Andy Sliger, University of Tennessee at Martin

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Dr. Cindi Smith-Walters, Chair, Middle Tennessee State University
Dr. Michael L. Daley, University of Memphis
Dr. Jack Rhoton, East Tennessee State University
Dr. Robert Marlowe, University of Tennessee at Chattanooga
Dr. Linda Jordan, Tennessee Department of Education
Dr. Robert L. Hartshorn, University of Tennessee at Martin

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Dr. Jeffrey Lebkeucher, Austin Peay State University

Necrology Committee
Dr. Alexander Wells, Chair, Tennessee State University (ret.)

Nominating Committee
Dr. Martin Stewart, Chair, Middle Tennessee State University
Dr. David Wilson, Vanderbilt University (ret.)
Dr. Steven Murphree, Belmont University

Publicity Committee
Ms. Teresa Fulcher, Chair, Pellissippi State Community College
Ms. Kim Sadler, Middle Tennessee State University

Research Committee
Dr. Lewis Myles, Chair, Tennessee State University
Dr. Jeff Boles, Tennessee Technological University
Dr. Patricia Hull, Tennessee State University

Resolutions Committee
Ms. Sallie Noel, Chair, Austin Peay State University
Ms. Betty Davis, East Tennessee State University
Dr. David Pitts, University of Tennessee - Martin
TAS Executive Committee 2002

Dr. Jack Rhoton, President
East Tennessee State University
Ms. Karen Kendall-Fite, President-elect
Columbia State Community College
Dr. Martin V. Stewart, Past President
Middle Tennessee State University
Ms. Sarah H. Swain, Secretary
Middle Tennessee State University
Dr. John Harris, Treasurer
Tennessee Technological University
Dr. M. Gore Ervin, Managing Editor
Middle Tennessee State University
Dr. Richard Raridon, Director - Collegiate Division
Oak Ridge National Laboratory (ret.)
Dr. David H. Kesler, Director - Electronic Communications
Rhodes College
Dr. Jack Rhoton, Director - Junior Academy of Science
East Tennessee State University
Dr. Michael Daley, Director - Visiting Scientist Program
The University of Memphis
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