

## STUDENT PAPER AWARDS OF THE 1999 COLLEGIATE DIVISION MEETINGS

## Eastern Region

## Top paper by multiple authors

Xu Baogang, J. R. Hisey, M. W. Riley, and K. D. Shepard. Relative Fitness of Dispersing and Resident Pine Voles *Microtus pinetorum* in Disturbed Habitats. *Lee University, Cleveland, Tennessee*

## Top paper by a single author

Katherine S. Redding. Hsc-70: Induced Expression in Maize After Thermal Stress. *Tennessee Technological University, Cookeville, Tennessee*

## Middle Region

## Biology I Section

Kellie L. Wallace. Contributors to the Grapefruit Juice Effect. *Austin Peay State University, Clarksville, Tennessee*

Honorable Mention—Hugh Fentress. Nucleotide Sequences of Stress Tolerance in *Glycine max*. *Tennessee State University, Nashville, Tennessee*

Honorable Mention—Jennifer Shouse. Evaluation of Cardiac Markers in a Clinical Setting. *Austin Peay State University, Clarksville, Tennessee*

## Geography and Biology II Section

Jacqueline E. Tate. Barban and Chlorpropham: Two Carbamate Herbicides that Act as Mitotic Disruptors in MRC-5 Cells and HeLa Cells. *The University of the South, Sewanee, Tennessee*

Jerica Q. McCarter. Screening of Aerobic Soil Bacilli for cry Genes by PCR. *Tennessee State University, Nashville, Tennessee*

## Chemistry and Chemical Engineering Section

Chris J. Rogers. Ascorbic Acid Enhanced Lotions. *Tennessee Technological University, Cookeville, Tennessee*

Jennifer Pendergrast. Effects of Humidity and Sorbent Weight on Extraction of Opiates from Human Urine by Solid Phase Extraction Microcolumns. *Middle Tennessee State University, Murfreesboro, Tennessee*

## Western Region

## Best session and best overall presenter awards

Andrew G. Briese. A Study of the Seasonal Variation in Overall Abundance of Macroinvertebrates. *Christian Brothers University, Memphis, Tennessee*

Marlo Anderson. Effectiveness of Primer R105 as a Genetic Marker for Canine Hip Dysplasia. *Christian Brothers University, Memphis, Tennessee*

## Best session awards

A. S. Whigham. Effects of Caffeine on Blood Pressure and Urine Output in *Rattus norvegicus*. *Rhodes College, Memphis, Tennessee*

Nina Akins. The Effects of S-Methoprene on the Development of the Leopard Frog (*Rana pipiens*) Tadpole. *Union University, Jackson, Tennessee*

Ash Rasoul. Menstrual Cycle Affects Tilt-Table Tests in Women. *Christian Brothers University, Memphis, Tennessee*

## AWARDS PRESENTED BY THE TENNESSEE ACADEMY OF SCIENCE

The Tennessee Academy of Science has established the following awards to be presented at the annual meeting. Nomination packets for the awards should be sent to Sarah H. Swain, Secretary, Tennessee Academy of Science, Department of Biology, Middle Tennessee State University, Murfreesboro, TN 37132.

### Distinguished College/University Scientist Award

#### Qualifications:

- a. The recipient shall have made some significant contribution to science teaching and particularly to academic research in Tennessee. Contributions should be interpreted broadly to mean contribution directly to the State of Tennessee, or to the improvement of the quality of life in the State, or to intellectual growth in the State.
- b. The recipient should be affiliated with a Tennessee college/university and shall be a member of TAS.

#### Nomination packet should include:

1. an abbreviated curriculum vitae (five pages or less) containing information pertinent to the award and a list of publications from the last 5 years,
2. documentation of special accomplishments as science teacher or academic researcher, and
3. letters of recommendation from no more than five professional colleagues well acquainted with the candidate's qualifications.

### Industrial Scientist Award

#### Qualifications:

- a. The recipient shall have made some significant contribution to industrial science in Tennessee. Contribution should be interpreted broadly to mean contribution directly to Commerce or Industry or the improvement of the quality of life in the State.
- b. The recipient shall be a member of TAS.

#### Nomination packet should include:

1. an abbreviated curriculum vitae (five pages or less) containing information pertinent to the award and a list of publications from the past 5 years,
2. documentation of special accomplishments as an industrial scientist, and
3. letters of recommendation from no more than five professional colleagues well acquainted with the candidate's qualifications.

### Distinguished College/University Teacher Award

#### Qualifications:

- a. The recipient shall have made some significant contribution primarily to science teaching but also to research at the college/university level in Tennessee. Contribution should be interpreted broadly to mean contribution directly to the State, or to the quality of life in the State, or to intellectual growth in the State.
- b. The recipient should be a resident of Tennessee and shall be a member of TAS.

#### Nomination packet should include:

1. an abbreviated curriculum vitae (five pages or less) containing information pertinent to the award and a list of publications from the past 5 years,
2. documentation of special accomplishments as a teacher of science, and
3. letters of recommendation from no more than five professional colleagues well acquainted with the candidate's qualifications.

### Distinguished Secondary School Science Teacher Award

#### Qualifications:

- a. The recipient shall have made some significant contribution to the teaching of science at the middle- and high-school level in Tennessee. Contribution should be interpreted broadly to mean contribution to the academic welfare and intellectual growth of secondary students of the State, contribution directly to the State or to the quality of life in the State.

#### Nomination packet should include:

1. a current curriculum vitae which addresses the professional background, experience, and development of the candidate;
2. documentation of special accomplishments as a teacher of science, especially measures of student success, participation in student development beyond the classroom, and science curriculum development;
3. a brief summary of nominee's philosophy of science teaching; and
4. a letter of recommendation from an administrator or supervisor, a teaching colleague, a student, and a parent, not to exceed five letters.