

STUDENT PAPER AWARDS OF THE 1998 COLLEGIATE DIVISION MEETINGS

Middle Region

Biology Section I and Mathematics Section

Rebecca Downs. PCR Analysis of Phase Variation of Type 1 Fimbriae in *Escherichia coli*. *Lipscomb University, Nashville, Tennessee*

Meredith L. Moore. Vascular Flora of the Upper Cumberland Plateau: Alkaloid Screening Preliminary Results. *Tennessee Technological University, Cookeville, Tennessee*

Biology Section II

Hugh Fentress. Identification of Stress Tolerant Genes in *Glycine max*. *Tennessee State University, Nashville, Tennessee*

Jacqueline E. Tate. The Use of Monoclonal Antibodies to Simultaneously Detect Nuclear Envelope and Microtubules in HeLa Cells: A Comparison in Paraformaldehyde-fixed and Glutaraldehyde-fixed Cells. *The University of the South, Sewanee, Tennessee*

Honorable Mention—Scott Allen. Interactive Entomological Graphic Key. *Lipscomb University, Nashville, Tennessee*

Chemistry Section

John A. Wasik. Structure and Properties of 1,1-Dibromo-2,2,3,3-tetramethylcyclopropane. *Lipscomb University, Nashville, Tennessee*

Honorable Mention—Kimberly Herron. Synthesis of Functionalized Allyl Halides and 2-Methyl-2-cyclohexenone as Intermediates in the Synthesis of AB Ring of the Taxanes. *Tennessee State University, Nashville, Tennessee*

Honorable Mention—Micah T. Smith. Effect of Changes in Mobile Phase and Potential on Electrochemical RP-HPLC Sensitivity to Melatonin. *Bethel College, McKenzie, Tennessee*

Western Region

First Place—Trent Gullet. The Dislocated Knee. *Christian Brothers University, Memphis, Tennessee*

Second Place—Stephen Hammond Jr. An Inexpensive and Safe Synthesis of 1-Cyanobenzotriazole and the Exploration of its use as a CN⁺ Electrophile. *The University of Alabama, Tuscaloosa, Alabama*

Third Place—Felix Vazquez. Up-regulation of Cadherins Following Central Nervous System Injury In Rats. *Christian Brothers University, Memphis, Tennessee*