

TENNESSEE JUNIOR ACADEMY OF SCIENCE

The Annual Meeting of the Tennessee Junior Academy of Science was held on April 22, 1988, at Pearl Cohn High School in Nashville, Tennessee. From a total of 58 papers submitted, 22 were selected to be presented at the annual meeting. The following students attended the meeting and presented papers.

YONIT BARTAL, Hume-Fogg Academic High School, Nashville. *"The Interaction of a Sarcoma Associated Monoclonal Antibody with Human Tumor Cells."*

PAUL BRUCE, Waverly Central High School, Waverly. *"The Effects of Environmental Factors on Reaction Time."*

JOHN ANDREW CHANEY*, Bradford High School, Bradford. *"The Synthesis of Organic Molecules under Simulated Prebiotic Earth Environments."*

JASON CREASY, Camden Central High School, Camden. *"Rayon Fiber as an Insulator."*

JO DINWIDDIE, Camden Central High School, Camden. *"The Effects of Ultraviolet Light on the Regeneration of Planaria."*

MARK EKLUND, Waverly Central High School, Waverly. *"Typing Style: A Means of Computer Recognition and File Protection."*

KRISTINA GILL, Hume-Fogg Academic High School, Nashville. *"The Effect of Temperature on Predigestion."*

RICKY GREENE, Raleigh-Egypt High School, Memphis. *"Alcohol Among Teenagers."*

GORDON ANDREW JANAWAY*, Hume-Fogg Academic High School, Nashville. *"The Mandelbrot."*

RUSS JOHNSON, Waverly Central High School, Waverly. *"The Uptake of Nutrients From the Soil by Corn."*

BETH KLEMENT, Webb School of Knoxville, Knoxville. *"Does Greater Exposure to Color Affect Color Perception?"*

MICHAEL ANTHONY LAPUENTE², White Station High School, Memphis. *"How Does an Enzyme Work? A Case in Point Using the Galactosidase from Azotobacter vinelandii."*

ALEXIS LEE, Stewart County High School, Dover. *"The Effect of Fallen Leaves on the Dissolved Oxygen Content of Water in Kentucky Lake."*

ANGELA MALIN¹, Camden Central High School, Camden. *"Do Male and Female Eastern Bluebirds Gather Food for Their Young in the Same Territory?"*

GREGORY D. MATNEY, Waverly Central High School, Waverly. *"A Comparison of Radon Gas Concentrations Between Sealed and Unsealed Basements."*

DAVID PERRY, Hume-Fogg Academic High School, Nashville. *"How Do the Television Habits of Students Relate to Their Grades?"*

MARY LYNN PICKEL*, Webb School of Knoxville, Knoxville. *"ELF, Believe It or Not."*

SANDRA TAD POULTON, Hume-Fogg Academic High School, Nashville. *"The Effects of Various Saline Concentrations on Brine Shrimp."*

ROLF JOHN TRAINOR, Camden Central High School, Camden. *"Home Heating With Solar Energy and Water."*

ANNE ZIRKLE, Webb School of Knoxville, Knoxville. *"Compatibility of Human and Canine Blood: Is Cross-Transfusion Feasible?"*

¹Top Female Presenter

²Top Male Presenter

*Finalist

A certificate and small honorarium was presented at the same meeting to an outstanding teacher from each of the three grand divisions of the state. The three teachers recognized were:

East Tennessee	M. GILDA DARLENE LYON, Howard High School, Chattanooga.
Middle Tennessee	MR. CHARLES A. LEE, Stewart County High School, Dover.
West Tennessee	MS. LISA DUFUR, Central High School, Memphis.

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