

Conference Schedule 2011

9:30-10:00

Registration, Lyceum, Walter State Community College, Morristown, Tennessee

10:00 - 10:15

Introduction – Dr. Eugene de Silva; Chair - Physics and Astronomy Section and Coordinator of Annual and East Tennessee Conferences, Tennessee Academy of Science.

Welcome – Dr. Jeffrey Horner; Dean of Natural Sciences, Walter State Community College, Tennessee

10:15 – 12:00

Poster Presentations

12:00 – 1:00

Oral Presentations

1:00 – 1:05

**Vote of Thanks – Dr. Lawrence Kennard, Professor of Chemistry,
Walter State Community College, Tennessee**

1:05 – 2:05

**Lunch – Natural Science Building, Walter State Community College,
Tennessee**

Oral Presentations

Session Times and Titles

<u>Time</u>	<u>Session 1 - Room 141</u>
12:00 – 12:15	<p style="text-align: center;"><u>Microbiology</u></p> <p>EVIDENCE FOR INTERACTIONS BETWEEN A GLUCOSE SENSING PATHWAY AND THE PHERMONE SENSING PATHWAY IN BREWER'S/BAKER'S YEAST, SACCHAROMYCES CEREVISIAE Daniel Thomas* and D. Grant Willhite</p> <p>Tennessee Wesleyan College, Athens, Tennessee</p>
12:15 – 12:30	<p style="text-align: center;"><u>Physics and Astronomy</u></p> <p>ALUMINUM NITRIDE THROUGH HIGH-ENERGY PLASMA ASSISTED PROCESSING Eugene de Silva and Matthew Maples * Walters State Community College, Morristown, TN</p>
12:30 – 12:45	<p style="text-align: center;"><u>Science and Math Teaching</u></p> <p>RESEARCH AND SCIENCE Eugene de Silva and Jonathan Wallace * Walters State Community Colleg, Morristown, TN and*</p> <p style="text-align: center;"><u>Zoology</u></p> <p>MICROGEOGRAPHIC GENETIC PATTERNS OF RACCOONS IN SOUTHWESTERN TENNESSEE. Evelyn Chukwurah*, John R. Hisey*, Michael L. Kennedy, and Brian D. Carver</p> <p>Lee University, Cleveland, Tennessee (EC, JRH), and The University of Memphis, Memphis,</p>

12:45 – 1:00	<i>Tennessee (JRH, MLK, BDC).</i>
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Poster Presentations

LOW PRESSURE HYDROGENATION

Atkins, Jessica M.*

Walter State Community College, Morristown, Tennessee

REGENERATION OF DRYING AGENTS

Bullington, Kadron M*.

Walter State Community College, Morristown, Tennessee

SYNTHESIS OF SULFA DRUGS

Cobb, Kellie M.*

Walter State Community College, Morristown, Tennessee

HYDROGENATION WITH A PARR SHAKER

Dixon, Caitlin L.*

Walter State Community College, Morristown, Tennessee

VACUUM HYDROGENATION OF DEET

Gibson, Darren D*.

Walter State Community College, Morristown, Tennessee

STEAM DISTILLATION

Gray, Travis Q*.

Walter State Community College, Morristown, Tennessee

FISCHER ESTERIFICATION WITH A DEAN-STARK TRAP

Griffith, Leslie A*

Walter State Community College, Morristown, Tennessee

DRYING WITH AN ABDERHALDEN APPARATUS

Harville, Stephanie R.*

Walter State Community College, Morristown, Tennessee

PREPARATIVE THIN LAYER CHROMATOGRAPHY

Huntsman, Chad B*.

Walter State Community College, Morristown, Tennessee

SOXHLET EXTRACTION OF OILS FROM FRENCH FRIES

Kennedy, Travis L.*

Walter State Community College, Morristown, Tennessee

DEMONSTRATION OF THE CHEM-DRY APPARATUS

Ledbetter, Glory E.*

Walter State Community College, Morristown, Tennessee

CONTINUOUS LIQUID-LIQUID EXTRACTION

Linkous, Eric R.*

Walter State Community College, Morristown, Tennessee

KARL FISCHER TITRATION

Odom, Emily M.*

Walter State Community College, Morristown, Tennessee

EXTRACTION OF FLAVORS FROM GINGER ROOT

Porter, Thomas R.*

Walter State Community College, Morristown, Tennessee

PURIFICATION OF A SOLID BY SUBLIMATION

Small, Holly A.*

Walter State Community College, Morristown, Tennessee

DEMONSTRATION OF THE ABBE REFRACTOMETER

Smith, Hannah C.*

Walter State Community College, Morristown, Tennessee

HOMOGENOUS CATALYSIS WITH DOWEX 50WX8 ION EXCHANGE RESIN

Smith, Matthew H.*

Walter State Community College, Morristown, Tennessee

CIRCULAR AND RADIAL HPTLC

Stinnett, Alex E.*

Walter State Community College, Morristown, Tennessee

MICROBIOLOGY TESTING OF SULFA DRUGS

Timmins, Brittany D.*

Walter State Community College, Morristown, Tennessee

LARGE SCALE FRACTIONAL DISTILLATION

Tippins, Melissa D.*

Walter State Community College, Morristown, Tennessee

SOLID PHASE EXTRACTION

Vradenburgh, Rodger *

Walter State Community College, Morristown, Tennessee

LARGE SCALE COLUMN CHROMATOGRAPHY

Walker, Jessica J.*

Walter State Community College, Morristown, Tennessee

CONSERVATION GENETICS OF EASTERN HELLBENDERS IN TENNESSEE VALLEY WATERSHED

Atin Lamsal* and Michael Freake.

Lee University, Cleveland, Tennessee.