

MARCH 26, 2005

AWARDS CEREMONY

Opening Remarks by Ms. Laura Hibbard, UK recruiting office

Welcoming by Dr. Phil Kraemer, Associate Provost Office of Undergraduate Education

Welcoming by Dr. Chuck Staben, Associate to VP's office for Research

Ms. Sue Scheff to inform parents and students about AMSTEMM Program

Dr. Cooper- fair director- announce sponsors

Thank the Judges and teachers- tell them a little about the awards, INTEL, Discovery program, STATE fair

The ASM International Foundation offers an award of a certificate and a medallion for an exhibit related to materials science.

Stephanie Tseng, Meadowthorpe Elementary, Measuring friction

AWG Award

A certificate award from the Association for Women Geoscientists was presented to a female student for outstanding work in the geosciences.

Regan Williams, Southside Elementary, Drive efficiently with biofuels

Stockholm Junior Water Prize

An award certificate is presented to the best project in the senior division (High School) related to water quality. The student is eligible to compete at the state level for further awards.

Nick Graves, Sayre, The effect of plant cover on soil erosion

RICOH CORP for the sustainable development award. Technical innovations for increasing our ability to grow environmentally friendly and socially responsible businesses.

Chris Carson, Sayre, Thermophilic ratios

BIOLOGY HONOR SOCIETY

Tri-Beta Awards

Yuina Nakagawa, Rosa Parks Elementary, What makes yeast grow

Kodak Photography Award

This is a prize of a photo kit and camera presented for the best use of photography in collecting information and developing a science fair project.

Michael Murray, Winburn Middle School, Yes, a mature mouse can learn new tricks

Sergeant Bradley Updyke from The United States Air Force honored the following projects with certificates and a briefcase, calculator, and pencil case.

Zach Whelchel, West Jessamine Middle, Optimum Projection Angle
Shea Henning, West Jessamine Middle, Election Connection
Emily Underwood, West Jessamine Middle, Who Are You?
Kaitlin Graff, Henry Clay High School, What is the effect of learning breakthrough on cognitive ability?

Commander Chris Davis from the US NAVY presented the following awards

Junior Division

Adrienne Shearer, West Jessamine Middle, Alternate fuels
Sourav Dey, Beaumont Middle School, MSG: Trick or treat?
Ben Nosarzewski, Morton Middle School, Index of refraction at small scales

Senior Division

John Soleimani-Meigooni, Henry Clay, Monte Carlo simulation of the Brachytherapy source does distribution in human tissue
Chris Carson, Sayre School, Thermophilic ratios

Dr. Bruce Walcott, Associate Dean of The College Engineering announces:

The University of Kentucky College of Engineering presents a monetary award for the most outstanding project relating engineering and computer science.
\$100, Quiyu Lin, Glendover, Unlock the world of conductivity

Dr. Bruce Walcott, Associate Dean of The College Engineering announces:

The National Society for Engineers gave 1 certificate, lapel pin and subscription to Engineering Times to an outstanding Engineering project.

John Soleimani-Meigooni, Henry Clay, Monte Carlo simulation of the Brachytherapy source does distribution in human tissue

Dr. Bruce Walcott, Associate Dean of The College Engineering announces:

The International Society for Optical Engineering provides on certificate and a chance for a \$100 prize.
Arunita Kar, Beaumont Middle School, Light Absorption

Dr. Bruce Walcott, Associate Dean of The College Engineering announces: Intel Excellence in Computer Science Award
Intel presents this award certificate and \$200 for the outstanding project in high school.

John Soleimani-Meigooni, Henry Clay, Monte Carlo simulation of the Brachytherapy source dose distribution in human tissue

Dr. Bruce Walcott, Associate Dean of The College Engineering announces:
Herbert Hoover Young Engineer Award. This award of a medallion and certificate is
presented to an outstanding project in the senior division relating to engineering fundamentals and their communication.
Maddie Miller, St Leo School, Fuel from water

Dr. Bruce Walcott, Associate Dean of The College Engineering announces:
U. S. Metric Association. A certificate award is presented to a student whose
project is outstanding in its incorporation of quantitative measurements and use of SI units.
Sourav Dey, Beaumont Middle School, MSG: Trick or treat?

Dr. Bruce Walcott, Associate Dean of The College Engineering announces:
U. S. Public Health Service Award
The Surgeon General's special award certificate is presented to a student whose project focuses on promoting healthy
lifestyles through the benefits physical activity, balanced nutrition, and/or avoidance of tobacco.
Lauren Ishmael, Georgetown Middle School, Bone up on calcium

Dr. Ruth Beattie Announces: UK Department of Biology Awards
The University of Kentucky Department of Biology presents a monetary award for an outstanding project relating to the life sciences.
for each an outstanding project relating to the life sciences.

Richard Singleton, St. Leo School, Gone with the bacteria
Josh O'Reel, St. Leo School, Take it outside
Jacob Ain, Garden Springs, Dino Digestion
Shelby Taylor, Bryan Station Traditional Magnet School, Under the influence
Lauren Ishmael, Georgetown Middle School, Bone up on calcium
Rachel Swanson, Bryan Station Middle School, Wiggling worms
Ryan McGregor, Home School, Tolerance of Asian clams (*Corbicula fluminea*) to varying levels of introduced chemicals
TEAM- Courtney Coe & Megham Hart, Model Middle School, How do commonly used substances affect night crawlers?

Dr. Robert Lorch Jr. from the Department of Psychology presented the UK Department of Psychology Awards
The University of Kentucky Department of Psychology presents a monetary award for an outstanding projects
relating to Psychology.

\$75- Charity Scales, Lexington Christian Home School Group, Are Kids at Risk?

Dr. Robert Lorch Jr. from the Department of Psychology presented the American Psychological Association
American Psychological Association offers a certificate for outstanding research in psychology under the category of
behavioral and social sciences.

Haley Stein, Maxwell Spanish Immersion Magnet program, Thinking in color

Dr. Ed DeMoll from the Department of Chemistry presented the UK Department of Chemistry Award
The University of Kentucky Department of Biology presents a monetary award for an outstanding project relating to chemistry.

\$100 - Ben Nosarzewski, Morton Middle school, Index of refraction at small scales.

\$50 - Lucy Arthur-Paratley, Bryan Station Magnet Middle School, Does nitrogen pollution affects decomposition?

\$50 - Justin Graff, Winburn Middle School, State of the Bluegrass

\$50 - Chris Carson, Sayre School, Thermophilic Ratios

\$25 - Gabrielle Barker, SCAPA Bluegrass, The effect of insulation on a heat distillation device to achieve water desalination.

\$25 - Ryan Mumper, Lexington Traditional Magnet School, Soakin it Up!

Ms. Emily Flynn (2nd PhD Graduate Student) from the Department of Physics presented the
UK Department of Physics Awards (certificates and cash prizes)

\$ 50- Ben Nosarzewski, Morton Middle school, Index of refraction at small scales.

\$ 25- Stephanie Tseng, Meadowthorpe Elementary, Measuring friction.

\$ 25- Ben Hall, West Jessamine Middle, Got paint?

Junior Division

Grade 4

Awards in the junior division were presented in nine categories. Students received CKRSEF award medals and
a sack of science toys.

Behavioral Science

1st place- Cassady Gorrell, Julius Marks Elementary, What turns you in ?

Botany

1st place- Tanner Lamb, Rosa Parks Elementary, Let them grow let them grow let them grow

Chemistry

1st place - Ibrahim Daser, Rosa Parks Elementary, Which is more acidic-Refrigerated or bottle water?

2nd place- Themiya Chandraratna, Glendover, Facts on fats
3rd place- Trista Mudd, St Leo, Path of fire.

Earth and Space Science

1st place - Aqeel Jawahir, Julia R. Ewan, Air pollution in Lexington
2nd place - Tanner Hoogerheide, Maxwell Spanish Immersion Program, Landslide or earthquake...which is bigger
3rd place - Trista Mudd, St. Leo School

Microbiology

1st place -Alexandra Sutphin, Garden Springs Elementary, Bacterial reduction of dishwashing materials

Physics

1st place -Natalie Betts, Scapa Bluegrass, Will it flowfast or slow ?

Zoology

1st place - Jacob Ain, Garden Springs, Dino Digestion

Engineering

1st place - Taylor Vanmeter, Cassidy Elementary, Flexible Designs
2nd place - Gregory DiBiasie, St. Leo, I've got the power
3rd place - Bob Jacoby, St. Leo, London Bridges falling down: A study on bridge design

Environmental Science

1st place - Ryan McGregor, Home School, Tolerance of Asian clams (*Corbicula fluminea*) to varying levels of introduced chemicals

OVERALL WINNERS of 4th grade

\$25- Tanner Lamb, Rosa Parks Elementary, Let them grow let them grow let them grow

\$25- Ibrahim Daser, Rosa Parks Elementary, Which is more acidic-Refrigerated or bottle water?

\$25- Ryan McGregor, Home School, Tolerance of Asian clams (*Corbicula fluminea*) to varying levels of introduced chemicals

Grades 5 to 8

1. Behavioral Science

1st - Charity Scales. Lexington Christian Home School Group, Are Kids at Risk?

2nd - Haley Stein, Maxwell Spanish Immersion Magnet, Thinking in Color

3rd - Sharon Rodriguez, Bryan Station Traditional Magnet Middle School, Flower Power

2. Botany

- 1st - Sourav Dey, Beaumont Middle School, MSG: Trick or Treat??
- 2nd - Lucy Arthur-Paratley, Bryan Station Magnet Middle School, I Does nitrogen pollution affects decomposition?
- 3rd - Christina Zhang, Maxwell Spanish Immersion Magnet. Time to Grow Up

3. Chemistry

- 1st - Ryan Mumper, Lexington Traditional Magnet School, Soakin it Up!
- 2nd - Regan Williams, Southside Elementary, Drive Efficiently with Biofuels
- 3rd - Madeline Hart, Lexington Traditional Magnet School, Keep it Hot

4. Earth and Space Science

- 1st - Justin Graff, Winburn Middle School, State of the Bluegrass
- 2nd - Lacy Craig, Winburn Middle School, Effluent Purification through Biological Filtration
- 3rd - Ben Hoseus, Mars Hill Academy, Mealworm Crossing

5. Microbiology

- 1st - Cyrus Safari, Bryan Station Traditional Magnet Middle, Micro No? Micro Grow!
- 2nd - Yuina Nakagawa, Rosa Parks Elementary, What Makes Yeast Grow?
- 3rd - Tamas Nagy, Morton, Fungal Wars

6. Physics

- 1st - David Takahashi, SCAPA Bluegrass, The effect of number of propeller blades on performance efficiency
- 2nd - Zach Whelchel, West Jessamine Middle, Optimum Projection Angle
- 3rd - Arunita Kar, Beaumont Middle School, Light Absorption

7. Zoology

- 1st - Ann Cooper, Morton, Behavioral characterizations of the Drosophila melanogaster larvae in relation to circadian patterns
- 2nd - Cassidy Spaulding, Lansdowne Elementary, What Muchers Like To Munch
- 3rd - Rohith Palli, Winburn Middle School, Performance Enhancing Drugs: Can They Hurt You?

8. Engineering

- 1st - Julie Hayes, West Jessamine Middle, Shapes Under Stress
- 2nd - Maddie Miller, St. Leo School, Fuel from Water
- 3rd - Marylynne Anderson-Cooper, Bryan Station Traditional Middle, Capture the Power of the Sun

9. Environmental Science

- 1st - Anna Fedorchuk, St. Leo, War of the Waters
- 2nd - Adrienne Shearer, West Jessamine Middle, Alternative Fuels
- 3rd - Josh O'Reel, St. Leo School, Take It Outside

10. Team Projects

- 1st - Frederick Dehne & Sammy Faraj, Model Lab School, Which Condom Brand is the Most Durable?
- 2nd - Courtney Coe & Meghann Hart, Model Lab, How do commonly used substances effect night crawlers?
- 3rd - Ibrahim Jadoon & Chris Bundy, Model Lab, Lead

OVERALL of 5th-8th grade

- \$ 50 1st - Ann Cooper, Morton, Behavioral characterizations of the Drosophila melanogaster larvae in relation to circadian patterns
- \$ 25 2nd - David Takahashi, SCAPA Bluegrass, The effect of number of propeller blades on performance efficiency
- \$ 25 3rd - Charity Scales. Lexington Christian Home School Group, Are Kids at Risk?

First place overall was given a trophy.
Second place overall was given a trophy.
Third place overall was given a trophy.

DISCOVERY CHALLENGE

The Discovery Channel Young Scientist Challenge (DCYSC) is a competition designed to award students in the 5th through 8th grades for their knowledge of science and their ability to communicate effectively about science. Each person awarded at our fair will now compete at a national level. They are to submit a series of written essays of their research as stipulated in the guide book provided to them at the fair.

The projects chosen for this award from our Regional fair are:

- Charity Scales. Lexington Christian Home School Group, Are Kids at Risk?
- Sourav Dey, Beaumont Middle School, MSG: Trick or Treat??
- Ryan Mumper, Lexington Traditional Magnet School, Soakin it Up!
- Justin Graff, Winburn Middle School, State of the Bluegrass
- Cyrus Safari, Bryan Station Traditional Magnet Middle, Micro No? Micro Grow!
- David Takahashi, SCAPA Bluegrass, The effect of number of propeller blades on performance efficiency
- Ann Cooper, Morton, Behavioral characterizations of the Drosophila melanogaster larvae in relation to circadian patterns
- Julie Hayes, West Jessamine Middle, Shapes Under Stress
- Anna Fedorchuk, St. Leo, War of the Waters
- TEAM: Frederick Dehne, Model Lab School, Which Condom Brand is the Most Durable?
- TEAM: Sammy Faraj, Model Lab School, Which Condom Brand is the Most Durable?

A SPECIAL AWARD to the school and Science teacher (5th-8th) with the most winning awards is : St. Leo Middle School

Senior Division (HIGH SCHOOL)
Awards in the senior division were:

Behavioral and Social Science

1st - Kaitlin Graff, Henry Clay High School, What is the effect of learning breakthrough on cognitive ability?

Botany

1st - Emma Lofgren, Sayre School, Older oranges have more zing

Chemistry

1st - Chris Carson, Sayre School, Thermophilic Ratios

Environmental Sciences

1st - Nick Graves, Sayre School, The effect of plant cover on soil erosion

Medicine and Health

1st - John Soleimani - Meigooni, Henry Clay, Monte Carlo simulation of the brachytherapy source dose distribution in human tissue

Zoology

1st -Clay Turner, Lafayette High School, The effects of an altered serotonergic system on behavior.

OVERALL WINNERS of 9th-12 grade
High School

1st - Clay Turner, Lafayette High School, The effects of an altered serotonergic system on behavior.
2nd - Kaitlin Graff, Henry Clay High School, What is the effect of learning breakthrough on cognitive ability?
3rd - Chris Carson, Sayre School, Thermophilic Ratios

The OVERALL winners received 1st (\$100), 2nd (\$75), 3rd (\$50) in gift certificates to Office
DEPOT

In addition the BIOLOGICAL SCIENCES / PHYSICAL SCIENCES:

First place overall - a trophy and an all-expenses-paid trip to the International Science and Engineering Fair (INTEL) for the student and an adult sponsor.

Second place overall - a trophy and all-expenses-paid trip to the International Science and Engineering Fair (INTEL) for the student and an adult sponsor.

PROJECTS SELECTED TO GO TO THE STATE SCIENCE AND ENGINEERING FAIR AT EASTERN KY UNIVERSITY

Charity Scales, Lexington Christian Home School Group, Are Kids at Risk?
Sourav Dey, Beaumont Middle School, MSG: Trick or Treat??
Ryan Mumper, Lexington Traditional Magnet School, Soakin it Up!
Justin Graff, Winburn Middle School, State of the Bluegrass
Cyrus Saffari, Bryan Station Traditional Magnet Middle, Micro No? Micro Grow!
David Takahashi, SCAPA Bluegrass, The effect of number of propeller blades on performance efficiency
Ann Cooper, Morton, Behavioral characterizations of the *Drosophila melanogaster* larvae in relation to circadian patterns
Julie Hayes, West Jessamine Middle, Shapes Under Stress
Anna Fedorchuk, St. Leo, War of the Waters
Cassidy Spaulding, Lansdowne Elementary, What Muchers Like To Munch
Zach Whelchel, West Jessamine Middle, Optimum Projection Angle
Haley Stein, Maxwell Spanish Immersion Magnet, Thinking in Color
Arunita Kar, Beaumont Middle School, Light Absorption
Rohith Palli, Winburn Middle School, Performance Enhancing Drugs: Can They Hurt You?
Lucy Arthur-Paratley, Bryan Station Magnet Middle School, I Does nitrogen pollution affects decomposition?
Yuina Nakagawa, Rosa Parks Elementary, What Makes Yeast Grow?
Julie Hayes, West Jessamine Middle, Shapes Under Stress
Maddie Miller, St. Leo School, Fuel from Water
Adrienne Shearer, West Jessamine Middle, Alternative Fuels
Regan Williams, Southside Elementary, Drive Efficiently with Biofuels
Lacy Craig, Winburn Middle School, Effluent Purification through Biological Filtration
Frederick Dehne & Sammy Faraj, Model Lab School, Which Condom Brand is the Most Durable?
Courtney Coe & Meghann Hart, Model Lab, How do commonly used substances effect night crawlers?
Kaitlin Graff, Henry Clay High School, What is the effect of learning breakthrough on cognitive ability?
Emma Lofgren, Sayre School, Older oranges have more zing
Chris Carson, Sayre School, Thermophilic Ratios
Nick Graves, Sayre School, The effect of plant cover on soil erosion
John Soleimani - Meigooni, Henry Clay, Monte Carlo simulation of the brachytherapy source dose distribution in human tissue
Clay Turner, Lafayette High School, The effects of an altered serotonergic system on behavior.