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112th Session Iowa Academy of Science April 21, 2000

Hotel Fort Des Moines, Des Moines



AWARDS LUNCHEON

Program

Served Luncheon

Introductions

Recognition of students participating in various statewide activities

Presentation of scholarship winners and 2001 AJAS representatives

Presentation of Excellence in Science Teaching Awards

Neil Bernstein, President

Ernie Schiller, Chair Student Programs Committee

Ernie Schiller, Chair Student Programs Committee

Peg Steffen, Director ESTA Program The lowa Academy of Science commends all those individuals, institutions, and agencies that have sponsored activities in science for high school students. The importance of identifying and encouraging students with science interest and talent cannot be over-emphasized at a time when the future calls for more and more scientists and engineers to solve the problems of a technological society.

IOWA ACADEMY OF SCIENCE SECONDARY STUDENT "INVITED PAPERS"

The following students were invited to present their work as a result of having received awards in science this past school year.

Ursula Adkins - Central Lee High School, Donnellson Josh Asher - Stuart-Menlo High School, Stuart Jenny Benjamin - Central Lee High School, Donnellson Nichole Bradley - West Burlington Arnold Jr/Sr High School, Burlington Lizzy Brown - George Washington High School, Cedar Rapids Emily Clark - Algona High School, Algona Jacklyn Crowl - Ottumwa High School, Ottumwa Kaitlyn Dodds - Central Lee High School, Donnellson Scott Flaherty - St. Edmond High School, Fort Dodge Holly Findley - Stuart-Menlo High School, Stuart Blake Forsythe - Harmony High School, Farmington Mark Hall - Maharishi SAE High School, Fairfield Laela Hendricksen - Bennett Community School, Bennett Amber Hohl - Central Lee High School, Donnellson Brock Householder - Algona High School, Algona Wes Hunold - Central Lee High School, Donnellson Rachele James - Stuart-Menlo High School, Stuart Erik Johnson - Algona High School, Algona Krystina M. Koppen - Algona High School, Algona Chris Nelson - Stuart-Menlo High School, Stuart Ashley Norquil - George Washington High School, Cedar Rapids Sarah Paardekooper - Stuart-Menlo High School, Stuart Corey A. Paetznick - Stuart-Menlo High School, Stuart Dwayne Patterson - Mediapolis High School, Mediapolis Erin Michelle Peterson - Adair-Casey Community School, Adair Michelle Puni - Maharishi SAE High School, Fairfield Rathi Ravikumar - Davenport Central High School, Davenport Arie Schiller - Central Lee High School, Donnellson Nikki Schneider - Stuart-Menlo High School, Stuart Mitchel Schulz - Mediapolis High School, Mediapolis John Schwinger - Stuart-Menlo High School, Stuart Greg W. Shepherd - Stuart-Menlo High School, Stuart

Cont. IAS "INVITED PAPERS"

Brianne Todd - River Valley High School, Correctionville Imelda Turner - West High School, Iowa City Sara Weirather - Central Lee High School, Donnellson Gretchen Wilson - Stuart-Menlo High School, Stuart Feng Zhang - Des Moines Roosevelt High School, Des Moines

IOWA ACADEMY OF SCIENCE OUTSTANDING SCIENCE STUDENT MEDALS (Sponsored by the Pella Roiscreen Company, Pella, IA)

Jacklyn Crowl - Ottumwa High School, Ottumwa Lia Gracey - Burlington Community High School, Burlington Amy Gramstad - Central Lyon, Rock Rapids Kathryn S. Gustafson - Wahlert High School, Dubuque Casey Harvey - Ogden High School, Ogden Autumn Ranae Hoadley - Orient-Macksburg Community School, Orient Andrea Hoffman - Notre Dame High School, Burlington Tressa Jamison - Cascade High School, Cascade Casey Johnsen - Underwood High School, Underwood Gretchen Lewis - Washington High School, Washington Anthony Moeller - Marquette Catholic School, West Point Jennifer Potter - Hempstead High School, Dubuque Matthew Regennitter - Xavier High School, Cedar Rapids Cody Smith - North High School, Des Moines Kara Lee Stiff - West Liberty High School, West Liberty Marshall Stuart - Fort Dodge Senior High, Fort Dodge Christopher Wistrom - Stanton High School, Stanton

IOWA JUNIOR ACADEMY OF SCIENCE GRANT AWARDEES (1999-2000)

Ursula Adkins - Central Lee High School, Donnellson
Jenny Benjamin - Central Lee High School, Donnellson
Nichole Bradley - West Burlington Arnold Jr/Sr High School, Burlington
Kaitlyn Dodds - Central Lee High School, Donnellson
Laela Hendricksen - Bennett Community School, Bennett
Amber Hohl - Central Lee High School, Donnellson
Sarah Paardekooper - Stuart-Menlo High School, Stuart
Erin Michelle Peterson - Adair-Casey Community School, Adair
Arie Schiller - Central Lee High School, Donnellson
John Schwinger - Stuart-Menlo High School, Stuart
Gretchen Wilson - Stuart-Menlo High School, Stuart

IOWA STATE SCIENCE AND TECHNOLOGY FAIR (March 31 - April 1) Poster Winners:

Biological Science:

1st Place: Arie Schiller - Central Lee High School, Donnellson 2nd Place: Sara Weirather - Central Lee High School, Donnellson 3rd Place: Gretchen Wilson - Stuart-Menlo High School, Stuart

Physical Science:

1st Place: Amber Hohl - Central Lee High School, Donnellson 2nd Place: Blake Forsythe - Harmony High School, Farmington 3rd Place: Imelda Turner - Iowa City West High School, Iowa City

Seminar Winners:

Biological Science:

1st Place: Amber Hohl - Central Lee High School, Donnellson

2nd Place: Emily Clark - Algona High School, Algona

3rd Place: Arie Schiller - Central Lee High School, Donnellson

Physical Science:

1st Place: Imelda Turner - Iowa City West, Iowa City

2nd Place: John Schwinger - Stuart-Menlo High School, Stuart 3rd Place: Josh Asher - Stuart-Menlo High School, Stuart

EASTERN IOWA SCIENCE & ENGINEERING FAIR (March 25)

Lizzy Brown - Cedar Rapids Washington High School, Cedar Rapids

Mark Hall - Mahrarishi SAE High School, Fairfield Amber Hohl - Central Lee High School, Donnellson

Wes Hunold - Central Lee High School, Donnellson

Ashley Norquil - Cedar Rapids Washington High School, Cedar Rapids

Dwayne Patterson - Mediapolis High School, Mediapolis

Michelle Puni - Maharishi SAE High School, Fairfield

Arie Schiller - Central Lee High School, Donnellson

Mitchel Schulz - Mediapolis High School, Mediapolis

Imelda Turner - West High School, Iowa City

Sara Weirather - Central Lee High School, Donnellson

IOWA JUNIOR SCIENCE AND HUMANITIES SYMPOSIUM

1st Place: Feng Zhang - Des Moines Roosevelt High School, Des Moines 2nd Place: Rathi Ravikumar -Davenport Central High School, Davenport In Alphabetical Order:

Scott Flaherty - St. Edmond High School, Donnellson Brianne Todd - River Valley High School, Correctionville

SOUTH CENTRAL IOWA SCIENCE & ENGINEERING FAIR

Posters Winners:

Biological Science:

1st Place: Gretchen Wilson - Stuart-Menlo High School, Stuart 2nd Place: Chris J. Nelson - Stuart-Menlo High School, Stuart 3rd Place: Corey A. Paetznick - Stuart-Menlo High School, Stuart

Physical Science:

1st Place: Greg W. Shepherd - Stuart-Menlo High School, Stuart 2nd Place: Krystina M. Koppen - Algona High School, Algona 3rd Place: John H. Schwinger - Stuart-Menlo High School, Stuart

Seminar Winners:

Biological Science:

1st Place: Gretchen Wilson - Stuart-Menlo High School, Stuart

Physical Science:

1st Place: Krystina Koppen - Algona High School, Algona

2nd Place: John H. Schwinger - Stuart-Menlo High School, Stuart

3rd Place: Erik Johnson - Algona High School, Algona

AGRISCIENCE FAIR (ALGONA)

Biology Division:

1st Place: Rachele James - Stuart-Menlo High School, Stuart 2nd Place: Chris Nelson - Stuart-Menlo High School, Stuart 3rd Place: Jenny Benjamin - Central Lee High School, Donnellson

Botany Division:

1st Place: Arie Schiller - Central Lee High School, Donnellson

2nd Place: Emily Clark - Algona High School, Algona

3nd Place: Nikki Schneider - Stuart-Menlo High School, Stuart

Engineering Division:

1st Place: John Asher - Stuart-Menlo High School, Stuart 2nd Place: John Schwinger - Stuart-Menlo High School, Stuart 3rd Place: Brock Householder - Algona High School, Algona

Environmental Science Division:

1st Place: Amber Hohl - Central lee High School, Donnellson 2nd Place: Holly Findley - Stuart-Menlo High School, Stuart 3rd Place: Kaitlyn Dodds - Central Lee High School, Donnellson

Zoology Division:

1st Place: Gretchen Wilson - Stuart-Menlo High School, Stuart

Excellence in Science Teaching Awards

The lowa Academy of Science has a long and distinguished record of encouraging improvement in science teaching within lowa's public and parochial schools. Since 1954, through its *Excellence in Science Teaching* Awards program, teachers from all areas of the state have been recognized for their outstanding work.

Presently, the Academy recognizes excellence in elementary, junior/middle high school and senior high school science teaching. Further, in the senior high school program, the specialty areas of biology, chemistry, earth science, environmental education and physics are focused upon. A general/multiple science category was established to include those who teach more than one science discipline in a single course, or separate courses, or interdisciplinary courses.

Earth/Environmental Science

Laura Kay Crowl - East High School, Sioux City

Elementary Science

Joanna Oppenheimer Morgan - Shimek Elementary School, Iowa City Robyn Hageman Vsetecka - Turkey Valley Community School, Jackson Junction

General/Multiple Science

Michael Dean Bechtel - Saydel Community High School, Des Moines

Junior/Middle High Science

Roxanne Baumgartner - Prairie Middle School, Cedar Rapids Susan J. Vogel - Jefferson High School, Cedar Rapids

Life Science

Kathy S. Kleen - Spirit Lake High School, Spirit Lake

Physical Science

Jeffrey J. Zaugg - Lincoln High School, Des Moines