

SCIENCE

B O U N D

VOLUME 12 ♦ ISSUE 1 ♦ Spring 2013

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Class of 2012

SPECIAL BANQUET EDITION



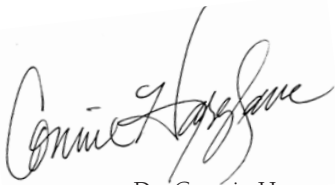
Class of 2013

Spring Banquet

Cultivating Excellence in 2012

Message from the Director

This academic year has been one of unique challenges and opportunities. We did not want challenges to prevent us from showcasing the outstanding young people that you support. Join us in celebrating success one student at a time. We hope you enjoy this special issue!



Dr. Connie Hargrave
Director



Alejandro Munoz, Vice President for the Americas and Global Production, draws on the legacy of George Washington Carver during his keynote address

More than 220 SCIENCE BOUND students, family members and special guests filled DuPont/Pioneer's Carver Conference Center for the program's spring Honors Banquet on April 26, 2012. Sponsored by DuPont/Pioneer, the event honored the program's 23 graduating seniors and three Iowa State University graduates.

Among those on hand to welcome the families were **Cindy Heser**, DuPont/Pioneer's Senior Human Resources Manager. The keynote speaker was **Alejandro Munoz**, Pioneer Hi-Bred Vice President for the Americas and Global Production. Munoz spoke about his journey to becoming a scientist and encouraged the students and families to pursue their dreams.

The event also included the recognition of nearly 60 students with grade point averages above 3.75 and/or 100% participation in SCIENCE BOUND activities (see next page).

Additionally, **Hedem Rodriguez** (North), **Yadira Cano** (Lincoln) and **Victor Gomez** (North) were honored as Students of the Year (see photo and article below). The three were recognized for their contributions to SCIENCE BOUND and their academic excellence during their years in the program. They each received a certificate and special scholarship.

Spotlight on a Student of the Year: Hedem Rodriguez

Hedem Rodriguez (North) was one of three seniors who received special recognition at the SCIENCE BOUND Honors Banquet on April 26. During his high school career Rodriguez aggressively pursued opportunities that developed his talents. For instance, during the summer of 2010 he completed an independent case study research project related to wind energy. In the summer of 2011, Rodriguez participated in the Young Engineers and Scientists program at Iowa State University, where he explored his interest in engineering while researching lasers.



Rodriguez shakes hands with SCIENCE BOUND Director Dr. Connie Hargrave.

2012 Honors Banquet Awards

High School Graduates

Breonnhia Bailey (Roosevelt)
Victoria Baker (North)
Yadira Cano (Brody, Lincoln)
Maria Ceballos (East)
Maria Craddock (Brody, Lincoln)
Ria N. Gasaway (North)
Victor Gomez, Jr. (Goodrell, North)
Demarkus Horton (Hiatt, East)
Aliyah Hoskins (Meredith, Hoover)
Dhynasah James (Callanan, Roosevelt)
C. "Junior" Kemdirim (East)
Marie "Kate" McMahon (Merrill, Roosevelt)
Cassandra Ortiz (North)
Kierra Osborn (Merrill, East)
Lee Price (Merrill, Roosevelt)
Kevin Quinteros (Harding, Roosevelt)
Angie Reyes (McCombs, Lincoln)
Hedem M. Rodriguez (Weeks, East)
Rocio Rodriguez (Weeks, East)
Ashley Smith (Roosevelt)
Montserrat Trejo (Goodrell, East)
Christian Trinidad (McCombs, Lincoln)
Jacqueline Williams (Callanan, Roosevelt)

Iowa State Graduates

Delise Lockett (Hiatt, East)
M.S., Agricultural and Biosystems
Engineering

Claudia Martinez (Roosevelt)
B.S., Chemical Engineering

Joseph Rivas (East)
B.S., Physics; B.A., Philosophy

Students with the highest grades and participation receive medallions and recognition at the 2012 banquet!

Sophomore, Junior, and Senior Honorees

(Includes two grading periods)

Highest Grade Point Average

Sophomores

4.05: Nicholas Parker (Lincoln).
4.0+: Kelsey Butts (East), Andrea Rider (Hoover), Javier Montalvo-Alaverez (Lincoln), Natasha Gomez, Javier Solis (North).
3.75-3.99: Sarahi Trejo (East), Taylor Williams (Hoover), Aza Adams, Carlos Cruz, Thomata Doe, Jennifer Dominguez, Fatima Jalloh (Lincoln), Montgomery Carson, Integrity Narcisse, Adrienne Robinson (Roosevelt).

Juniors

4.18: Santiago Guerro Brown (Lincoln).
4.0+: David Ortiz (East), Logan Neades, Mericia Boutchee (North).
3.75-3.99: Derrick Smith, Anthony Treager, Camelle Vercher (Lincoln), Jerson Valenzuela (North), Sierra Singleton (Roosevelt).

Freshman Honorees

(One grading period only)

Highest Grade Point Average

4.11: Luis Martinez (Lincoln).
4.0+: Jeffrey Rangel Jr., Greisey Murillo (East), Tumsa Musa (Hoover), Abigail Contreras-Ramos, Valeria Cano (Lincoln).
3.75-3.99: Janet San Elias, Kennady Lilly, Alejandra Quintana (East),

Seniors

4.33: Yadira Cano (Lincoln).
4.0+: C. "Junior" Kemdirim (East) Aliyah Hoskins (Hoover), Victor Gomez (North), Dhynasah James, Lee Price, Kevin Quinteros (Roosevelt).
3.75-3.99: Angie Reyes (Lincoln), Victoria Baker (North), Breonnhia Bailey (Roosevelt).

100% Participation

Sophomores: Jose Amaya, Savannah Onley (Hoover), Natasha Gomez (North).

Juniors: Demetria Thompson (Hoover), Mericia Boutchee, Logan Neades (North), Grace Ansah, Traunna Harris (Roosevelt).

Seniors: Ria Gasaway, Victor Gomez (North).

Samona Garcia, Darius Shumpert (Lincoln), Madison Ary, Moulid Omar, Jose Trinidad (Roosevelt).

100% Participation

Emily Villarreal (East), Faith Gaye, Tre Talton (Hoover), Luis Martinez, Valeria Santiago, Darius Shumpert (Lincoln).



SCIENCE BOUND 2013 Banquet

Generation STEM: Who is Next?

DuPont Pioneer's Carver Conference Center hosted the SCIENCE BOUND spring Honors Banquet for the second year on April 25, 2013. In addition to sponsoring the banquet, DuPont/Pioneer announced a \$400,000 gift to SCIENCE BOUND (details on page 8).

During the banquet, **Dr. Connie Hargrave** recognized 27 high school seniors and 6 Iowa State University graduates, as well as more than 60 students, for their exemplary performance, whether because of high grades or participation. She called today's students Generation STEM, those who would answer the questions that the previous generation could only ask.

In an engaging and humorous talk, keynote speaker **Dr. Malika Jefferies-EL** exhorts students to have 'fun along the way'.



The keynote speaker, **Dr Malika Jefferies-EL**, assistant professor in the Department of Chemistry at Iowa State University, drew on her own life experiences to challenge students to reach their full potential. She emphasized it was possible for anyone to achieve their dreams, no matter what the statistics may say. Dr. Jeffries-EL encouraged the group to take all of the opportunities that come their way and make alliances as they go.

Proud parent pins corsage on her son, **David Ortiz**, a graduating senior (left) as his sister looks on.



Banquet Moments



2013 Iowa State SCIENCE BOUND graduates (from left) **Marlie Quintero**, **Ashley Dameron**, and **Massah Massaquoi**, pose at the Banquet.

Students of the Year: Grace Ansah & Mericia Boutchee

When students enter the SCIENCE BOUND program, we watch them," said Dr. Hargrave, "for signs they are becoming what SCIENCE BOUND stands for." Two graduating seniors this year were named students of the year for typifying SCIENCE BOUND values: Mericia Boutchee (North) and Grace Ansah (Roosevelt). Both have taken advantage of summer opportunities at Iowa State. Boutchee and Ansah plan to attend Iowa State University and major in food science and biology respectively. The award includes a \$750 book scholarship.



Grace Ansah (left) and **Mericia Boutchee**, SCIENCE BOUND students of the year, 2013.

2013 Honors Banquet Awards

High School Graduates

El Sadiq Ali (Callanan, Roosevelt)
Grace Ansah (Merrill, Roosevelt)
Dessy Arce (Harding, North)
Mericia Boutchee (Harding, North)
Alexis Ferrell (Merrill, Roosevelt)
Santiago Guerrero-Brown (Lincoln)
Traunna Harris (Callanan, Roosevelt)
Matthew Henry (Roosevelt)
Miguel Guerrero (Hoyt, East)
Patience Kpurukoo (Harding, North)
Jesus Lozano (Harding, North)
Daniel Martinez (Hoyt, Lincoln)
Quinton McRoy (Callanan, Roosevelt)
Denise Morales (Hiatt, North)
Brandon Moreno (North)
Logan Neades (North)
Nikolas Nicholson (Meredith, Hoover)
David Ortiz (Goodrell, East)
Sthefani Rojas (North)
Mario Santamaria (McCombs, Lincoln)
Sierra Singleton (Callanan, Roosevelt)
Derrick Smith (Weeks, Lincoln)
Cindy Tello (Harding, North)
Demetria Thompson (Merrill, Hoover)
Jerson Valenzuela (North)
Bertalisia Velazquez (East)
Camelle Vercher (McCombs, Lincoln)

Iowa State Graduates

Ashley Dameron (East)
B.S., Animal Science

Oscar Guaman (North)
B.S., Management Information Systems

Massah Massaquoi (Lincoln)
B.S., Psychology

Ruby Murillo (East)
B.S., Psychology

Marlie Quintero (Roosevelt)
B.S., Chemical Engineering

Jared Weatherall (East)
B.S., Mechanical Engineering

Sophomore, Junior, and Senior Honorees

(Includes two grading periods)

Highest Grade Point Average

Sophomores

4.25: Luis Martinez, (Lincoln).
4.0+: Apple Amos, Jeffrey Rangel (East);
Tumsa Musa (Hoover); Abigail Contreras-
Ramos (Lincoln).
3.75-3.99: Kendra McGhee (Hoover);
Valeria Cano, Darius Shumpert, Athena
Walton-Whiteside (Lincoln); Daniel
Arriaga, Madison Ary (Roosevelt).

Juniors

4.33: Fatima Jalloh (Lincoln).
4.0+: Taylor Williams (Hoover); Natasha
Gomez, Javier Solis (North); Montgomery
Cason (Roosevelt).
3.75-3.99: Mikayla Larson, Sarahi Trejo
(East); Andrea Rider (Hoover); Aza Adam,
Carlos Cruz, Jennifer Dominguez, Javier
Montalvo-Alvarez (Lincoln); Guadalupe
Casas (North).

Freshman Honorees

(One grading period only)

Highest Grade Point Average

4.0: Tylen Chestnut (Hoover); Federico
Ortega (Lincoln); Karen Granados
(North); Mayte Gomez-Cruz, Jazzaray
James (Roosevelt).
3.78-3.99: Madeline Edmonds, Nia
Johnson, Tameika Ward (East); Rachel
Bosiljevac, Carolina DeAvila (Lincoln);
Margarita Clemente, Martin Rodriguez
(North); Dajoan Evans, Tyanna Whitaker
(Roosevelt).

Seniors

4.31: David Ortiz (East).
4.0+: Santiago Guerrero (Lincoln);
Mericia Boutchee, Logan Neades,
Jerson Valenzuela (North).
3.75-3.99: Cindy Tello (North).

100% Participation

Juniors: Samora Clay (East); Savannah
Onley (Hoover); Fatima Jalloh,
Christofer Lynch (Lincoln); Natasha
Gomez (North).

Seniors: Logan Neades, Cindy Tello
(North); Grace Ansah (Roosevelt).

100% Participation

Madeline Edmonds (East), Rachel
Bosiljevac, Carolina DeAvila, Federico
Ortega, Jordan Trumblee, (Lincoln),
Thomas Gomez (North), Jonathan
Garcia, Zakariyah Hill, Jazzaray James,
Simone Kapayou, Sulaiman Muham-
mad (Roosevelt).

Seniors and honorees
at the 2013 SCIENCE
BOUND Banquet



Highlights from 2012

Middle and High schools of the Year, 2011-2012



Each year, SB chooses a Middle School and High School program of the year based on a number of factors, including student retention and performance. For 2011-2012, the SB Middle School of the Year was Meredith, where **Christine Ryerson** and **Scott Rosin** are the lead teachers (above). Lincoln was the SB High School of the Year, where **Becky Wildman-Swartz** and **Jessica Hart** were the lead teachers in 2011-2012 (left).

Worlds of Fun

Eighty-eight SCIENCE BOUND students qualified to spend a day at Worlds of Fun in Kansas City, MO in June 2012 in recognition of their academic achievements. A semester grade points average of 3.75 or above, or 3.625 over two semesters, earned students an all-expenses-paid trip to Worlds of Fun. “We knew our young people were up to the challenge,” says **Dr. Connie Hargrave**, SCIENCE BOUND’s director.



SCIENCE BOUND’s highest achievers pose for a picture at East High before their departure.

The 88 potential STEM majors represent 36% of SCIENCE BOUND’s high school participants. “Thanks to our partnership with CenturyLink, we were able to offer this group an immediate reward for academic excellence,” said Hargrave. The day was sponsored by CenturyLink, the third largest telecommunications company in the U.S. “CenturyLink is pleased to sponsor SCIENCE BOUND and support these talented students in their pursuit of higher education,” said **Tim White**, CenturyLink’s vice president and general manager for Iowa.

Summertime in SCIENCE BOUND!

Gearing up for another active summer!

“Whether it’s a summer internship or participating in a program sponsored by SCIENCE BOUND, we expect our young people to be engaged in learning over the summer,” said SB Director **Dr. Connie Hargrave**. That’s why staff begin in the fall to plan for summer programs and to gather information about summer opportunities.

“We want to partner with our parents and guardians all year long,” adds Hargrave, “supporting them in their efforts to set high academic expectations for their young person. Connecting families to summer experiences is just one more way we are involved in that.”

The number of SCIENCE BOUND students taking advantage of summer experiences is growing. More than 200 students participated in Algebra Champions and Learn and Earn in 2012. “It’s all about learning how to become better students”, says **David Romero**, coordinator for summer programs.

For more information, contact sciencebound@iastate.edu or call 515/669-0667.



Algebra Champions: This two-week program introduces 8th grade students to SCIENCE BOUND and its philosophy, while teaching them skills useful in the classroom and demystifies math.



Learn and Earn: With more than 120 students in 2012, the program operated with generous contributions from Onnolee Trapp and DuPont/Pioneer. This high intensity 4-week bootcamp for high schoolers met at East High. This year, Learn and Earn will be held June 24 – July 22 at North.

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Funding from:

Iowa State University
Institute for Physical Research and Technology
DuPont / Pioneer
Smithfield Foods, Learners to Leaders
Onnolee and Orlin Trapp
Emerson/Fisher Controls International, Inc.
Martha-Ellen Tye Foundation
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Please join
Science Bound
in recycling!



@isusciencebound

Seed for the Future

When **Alejandro Munoz**, Pioneer Hi-Bred Vice President for the Americas and Global Production, took the stage at the Honor's Banquet on April 25, the audience of student honorees and their parents were not expecting to hear what he announced on behalf of DuPont: a \$400,000 gift to the SCIENCE BOUND program. The funding will support two summer programs: the George Washington Carver internship program and Learn & Earn.

The George Washington Carver program is offered in the summer to high school and undergraduate students to gain research experience in a professional work environment. The Learn & Earn program is a four week summer experience offered to Des Moines high school students (more information on Pg. 7). Learn and Earn participants earn money for consistently excelling in math, language arts and science.

SCIENCE BOUND Director, **Dr. Connie Hargrave**, commented, "We are so pleased that DuPont Pioneer, an early and strong supporter of SCIENCE BOUND, has expanded their commitment with their most recent and very generous gift." Pioneer first became involved with the program in 1999 through the donation of an endowment.



Alejandro Munoz announces the \$400,000 gift to SCIENCE BOUND at the 2013 SCIENCE BOUND Honors Banquet.

