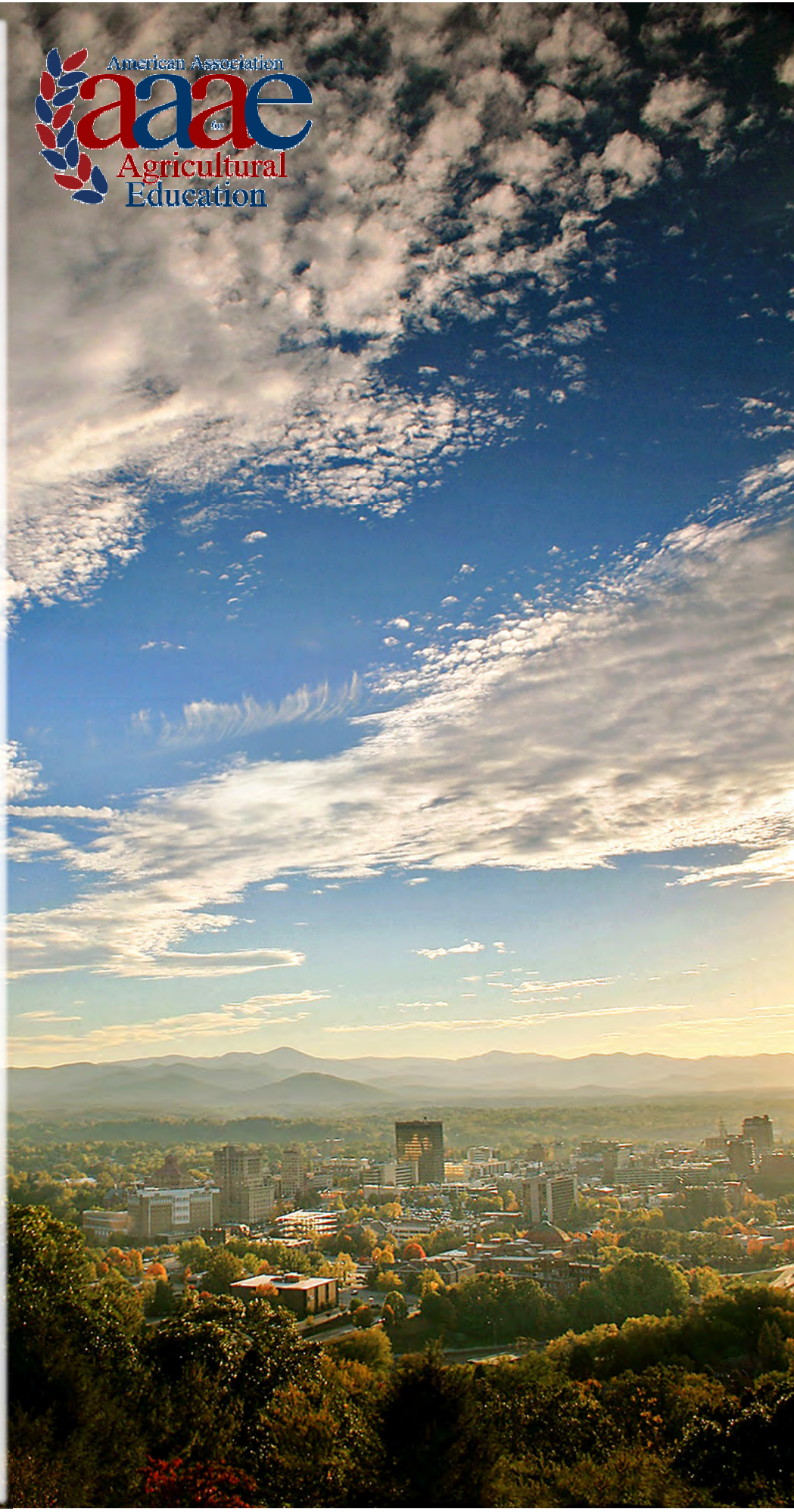


**American Association for Agricultural Education Annual Conference**

**May 15 – 18, 2012 – Asheville, North Carolina**

*“Collaborating to Support and Enhance Our Programs”*



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# “Collaborating to Support and Enhance Our Programs”

American Association for Agricultural Education Annual Conference

May 15-18, 2012 – Asheville, North Carolina

## Monday, May 14

8:00 a.m. – 5:00 p.m.      **SDC343 Multi-State Research Project Emphasizing the STEM Content in  
Exeter Boardroom      Agriculture**

## Tuesday, May 15

8:00 a.m. – 5:00 p.m.      **SDC343 Multi-State Research Project Emphasizing the STEM Content in  
Exeter Boardroom      Agriculture**

1:00 p.m. – 5:00 p.m.      AAAE Conference Registration  
Gallery

3:00 p.m. – 4:30 p.m.      **AAAE Executive Committee Meeting**  
Vanderbilt II

3:00 p.m. – 4:30 p.m.      **Journal of Agricultural Education – Editing-Managing Board Meeting**  
John Cecil Boardroom

4:00 p.m. – 5:00 p.m.      **Coaching and Mentoring Program Meet and Greet**  
Amherst

5:00 p.m. – 6:00 p.m.      **First-Time AAAE member and Graduate Student Dinner**  
Stuyvesant

6:00 p.m. – 7:00 p.m.      **Barrick Seminar**  
*“A Tale of Two Teachers: Teacher Education Then and Now”*  
Dr. Jane Applegate – University of Southern Florida

7:00 p.m. – 8:00 p.m.      **Ice Cream Social**  
Gallery  
Sponsored by NAAE – National Teach Ag Campaign

8:00 p.m. – 9:00 p.m.      **Knapp Seminar**  
*“Our Forest Heritage: The Cradle of Forestry Story.”*  
Cindy Carpenter, Education/Interpretation Program Manager – U. S. Forestry Service

## Wednesday, May 16

7:00 a.m. – 12:00 p.m.      Conference Registration (continued)  
Gallery

7:00 a.m. – 8:30 a.m.      **Innovative Poster Session and Continental Breakfast**  
Gallery and Vanderbilt  
Tower Entrance  
For listing of Posters – see pages 5-6

8:45 a.m. – 9:45 a.m.      **Department Chairs and North Central Administrative Committee (NCAC-024)  
Stuyvesant      Meeting**  
[All Ag. Ed. department heads, chairs, and Ag. Ed. program leaders and unit level administrators are encouraged to attend this meeting.]

8:45 a.m. – 9:45 a.m. Vanderbilt II Amherst Exeter Boardroom Vanderbilt I John Cecil Boardroom	<b>AAAE Committee Meetings</b> - Research Committee - Professional Development Committee - Program Improvement Committee - Member Services Committee - Academy of Fellows Committee
10:00 am. – 11:30 a.m. Burghley A & B	<b>AAAE Conference Opening General Session</b> - Distinguished Lecture
11:30 a.m. – 1:00 p.m.	Lunch – On Your Own
11:30 a.m. – 1:00 p.m. Vanderbilt II	<b>The Ohio State University Luncheon</b>
11:30 a.m. – 1:00 p.m. TGI Friday's	<b>Texas A&amp;M/Texas Tech Luncheon</b>
1:00 p.m. – 2:30 p.m. Amherst	<b>Ag*IDEA Consortium Meeting (by invitation only)</b>
1:00 p.m. – 6:00 p.m. Bus Pick-up and Return Tower Lobby	<b>Biltmore Estate Tour – Bus Tour #1</b>
2:30 p.m. – 7:15 p.m. Bus Pick-up and Return TowerLobby	<b>Biltmore Estate Tour – Bus Tour #2</b>  Dinner – On Your Own
6:30 p.m. – 9:00 p.m. Stuyvesant	<b>Texas A&amp;M/Texas Tech Doc @ a Distance Meeting</b>

## Thursday, May 17

7:00 a.m. – 8:30 a.m. Gallery and Vanderbilt Tower Entrance	<b>Research Poster Session and Continental Breakfast</b> For listing of Posters – see pages 7-8
9:00 a.m. – 10:30 a.m. Burghley A & B	<b>AAAE Business Meeting</b>
10:30 a.m. – 10:45 a.m.	Break
10:45 a.m. – 12:15 p.m. Burghley A & B	<b>Professional Development Workshop</b> <b><i>“Building Multidisciplinary Grant Teams”</i></b> <u>Panelists:</u> <ul style="list-style-type: none"> <li>• Dr. Charles Bennett, Chair, Department of Physics at University of North Carolina - Asheville</li> <li>• Dr. Neal Stewart, Department of Plant Sciences, University of Tennessee</li> <li>• Dr. Todd Brashears, Texas Tech University</li> <li>• Dr. Jack Elliot, Texas A&amp;M University</li> </ul> <u>Moderator:</u> Dr. Brian Myers, University of Florida

12:30 p.m. – 2:00 p.m. Burghley A & B	<b>Keynote Address and Lunch</b> <b>“Enhancing the Impact of Agricultural Education Research by Facilitating Research Teams”</b> George Wardlow – University of Arkansas
2:30 p.m. – 4:00 p.m. Burghley A Amherst Vanderbilt I Vanderbilt II Stuyvesant	<b>AAAE Research Sessions – See pages 9-11 for listing</b> - Concurrent Session A - Concurrent Session B - Concurrent Session C - Concurrent Session D - Concurrent Session E
4:00 p.m. – 4:15 p.m. Gallery	Break
4:15 p.m. – 5:45 p.m. Burghley A Amherst Vanderbilt I Vanderbilt II Stuyvesant	<b>AAAE Research Sessions – See pages 11-13 for listing</b> - Concurrent Session A - Concurrent Session B - Concurrent Session C - Concurrent Session D - Concurrent Session E
	Dinner – On Your Own
6:30 p.m. Fig Bistro	<b>University of Florida Dinner</b>
6:30 p.m. Neo Cantina	<b>University of Missouri Dinner</b>
8:00 p.m. – 10:00 p.m. Garden Terrace	<b>President’s Hospitality Reception</b>

**Friday, May 18**

7:00 a.m. – 8:00 a.m. Burghley B	Continental Breakfast
7:00 a.m. – 8:00 a.m. Stuyvesant	<b>Texas A&amp;M/Texas Tech Doc @ a Distance</b>
7:00 a.m. – 8:00 a.m. Amherst	<b>Ohio State SPRIG (by invitation only)</b>
8:00 a.m. – 9:30 a.m. Burghley A Amherst Vanderbilt I Vanderbilt II Stuyvesant	<b>AAAE Research Sessions – See pages 14-16 for listing</b> - Concurrent Session A - Concurrent Session B - Concurrent Session C - Concurrent Session D - Concurrent Session E
9:30 p.m. – 9:45 p.m. Burghley B	Break

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9:45 a.m. – 11:45 a.m.      **AAAE Special Interest Group Meetings**  
Vanderbilt II                    - **Agricultural Communications**  
Exeter Boardroom            - **Agricultural Literacy**  
Burghley A                      - **Agricultural Leadership**  
Stuyvesant                      - **Teacher Education**  
Garden Terrace                - **Teacher Professional Development**  
Amherst                         - **Extension/International Education**  
Vanderbilt I                     - **Distance Learning**  
John Cecil Boardroom        - **Academic learning**  
Stuyvesant                      - **University Academic Programs**  
Burghley A                      - **Agricultural Mechanics**  
Vanderbilt II                    - **History**

12:00 p.m. – 1:30 p.m.      **AAAE Awards Luncheon**  
Burghley A & B

1:45 p.m. – 3:15 p.m.      **AAAE Executive Board Meeting**  
Stuyvesant

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## **Innovative Poster Presentations – Wednesday, March 16**

**“I’ve Seen This Before”: Utilizing Student Behavior Simulations to Teach Classroom Management Strategies**  
*Erica Thieman, Michael Martin, William Bird, & Tracy Kitchel - University of Missouri*

**A Creative Challenge**

*Laura Sankey - Pennsylvania State University*

**Agricultural Perspectives and Opportunity A Government and Educational Partnership Prepares the Next Generation of Agriculture Leaders**

*Kristen Baughman, Barbara Kirby, Steve Troxler, Ray Starling - North Carolina State University*

**Alternative Agriculture Projects: Growing Future Opportunities for Rural Youth**

*Stephen W. Edwards; Donna M. Westfall-Rudd - Virginia Tech*

**Charting New Directions through Collaborative Strategic Planning**

*Edward Osborne - University of Florida*

**Community Leadership: A New Academic Major Consisting of Two Specializations in Community & Extension Education and Leadership**

*Claire Yueh-Ti Chen, Scott D. Scheer, Robert J. Birkenholz, Graham R. Cochran, Jeff King, Jerry Thomas - The Ohio State University*

**Conversation Starters: Helping Extension Professionals Incorporate Public Policy**

*Laura Bernheim, Dr. Alexa J. Lamm, Dr. Tracy Irani - University of Florida*

**Coordinating the Chatter: Using Twitter as a Medium for a Student Teacher Community of Practice**

*Thomas H. Paulsen, Michael S. Retallick, Ryan G. Anderson, W. Wade Miller - Iowa State University*

**Creation of an Online Database to Aid in the Identification and Selection of Outside Members of the Graduate Committee**

*Kevin B. Andrews, Patrick Carlson, Brittany Grube, and Jon Perrott - Texas A&M University*

**Engaging the Campus in Agricultural Issues and Perspectives A Government and Educational Partnership Prepares the Next Generation of Agriculture Leaders**

*Kristen Baughman, Barbara M Kirby, Steve Troxler, Ray Starling- North Carolina State University*

**Enhancing STEM Learning Experiences Through Advanced Life Science (ALS) Courses**

*Megan Anderson, Dr. Levon Esters - Purdue University*

**Evaluating Industry Sponsored Professional Development Education: A Focus on the Lincoln Electric Welding Technology Workshop**

*Dr. P. Ryan Saucier and Dr. Billy R. McKim - Texas State University-San Marcos and Texas A&M University*

**Expanding the Trip to National FFA Convention to Incorporate a High Impact Field Experience**

*Caroline Black, Holli Leggette, Debbie Prince, Shannon Lawrence, & Dr. Billy McKim - Texas A&M University*

**Field Trips in Preservice Teacher Education: Improving Experiences in Technical Agriculture**

*Catherine W. Shoulders; Christopher T. Stripling; Brian E. Myers - University of Florida*

**Green Welding. Utilizing the VRTEX 360 to Reduce Our Carbon Footprint**

*Ryan Anderson, Preston Byrd - Iowa State University*

**Highlighting the Importance of Community Activities in Early Field Experience for Pre-Service Teachers**

*Brandi K. Phillips, Eric D. Rubenstein, Brian E. Myers - University of Florida*

**Identifying Free Online Tools to Create Screencasts**

*Kelsey Fletcher and Courtney Meyers- Texas Tech University*

**iLearn: Using Social Media to Restructure a Teaching Methods Course**

*Jessica M. Blythe, T. Grady Roberts, Christopher T. Stripling, Nathan W. Conner - University of Florida*

**Integrating Science, Technology, Engineering, and Mathematics (STEM) Competencies into the Texas Agricultural Mechanics Curriculum: A Professional Development Model for School-based Agricultural Educators**

*Dr. P. Ryan Saucier, Dr. Billy R. McKim, and Dr. Kirk C. Edney - Texas State University-San Marcos and Texas A&M University*

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**InterAction and Curriculum Mapping for Agricultural Literacy**

*Debra Spielmaker - Utah State University*

**Leadership Institute: Building Leadership Capacity Through Emotional Intelligence**

*Karen Argabright, Dr. Jeff King, Dr. Graham R. Cochran, Claire Yueh-Ti Chen - The Ohio State University*

**Learning APA Style: What's all the Buzz About?**

*Nicholas R. Brown, Robert Terry, Jr. - Oklahoma State University*

**Learning Communities: Establishing a Cohort of Reflective Practice**

*Caryn Filson and Dr. M. Susie Whittington - The Ohio State University*

**More than Meets the Eye: Embedded and Substitute Science Credit in [State] Agriscience**

*K. Trent Wells, Brian Parr, and Eric Sewell - Auburn University*

**Opening Doors in Agricultural Education: Recruitment, Preparation, and Careers**

*Steven J. Rocca - California State University, Fresno*

**Promoting Agri-Science Literacy Through A State Fair Learning Scavenger Hunt**

*Rebekah Nortrup, Dr. Levon Esters, Justin Armstrong - Purdue University*

**Reducing School Liability by Incorporating Brake Activation Devices on Woodworking Equipment**

*Matt Shultz, Dustin Perry, Alex Byrd, & Ryan Anderson - Iowa State University*

**Supervised Experiential Learning in Agriscience: The New SAE**

*R. Kirby Barrick & Christopher M. Estep - University of Florida*

**The Development of an Educational Continuum to Meet Agricultural Workforce Needs**

*Sarah E. Burlison, Eric D. Rubenstein, Andrew C. Thoron, Edward A. Hanlon - University of Florida*

**The Employ Florida Banner Center for Agriscience – A Partnership to Create Strong Relationships between Agriscience and Agriscience Education**

*Jessica M. Blythe, Brian E. Myers - University of Florida*

**Training Cooperating Teachers to Use the Situational Leadership Model When Working with Student Teachers**

*Gaea Wimmer, Laura Lemons, Dr. Brashears - Texas Tech University*

**Unclouding Reflection: Using Word Clouds as a Method of Reflection**

*Brittany L Adams, Nicole L. P. Stedman - University of Florida*

**Using Cognitive Style to Group Graduate Students in a Virtual Team Environment**

*Christy Witt, David Doerfert, Tracy Irani, Tracy Rutherford, Theresa Murphrey, Leslie Edgar, Don Edgar  
Texas Tech University, University of Florida, Texas A&M University, University of Arkansas*

**Using Rubrics in Secondary Agricultural Mechanics Classes to Assess Students' Performance in the Laboratory**

*Robert Ross; J. Shane Robinson - Oklahoma State University*

**Using Second Life in Experiential Learning to Promote Intercultural Diversity**

*Tracy Rutherford, Gary Wingenbach, Kevin Andrews, & Kelly Lemmons - Texas A&M University*

**Using Text Messages to Increase Student Engagement in the College Classroom**

*Nathan W. Conner, Jessica M. Blythe, Dr. T Grady Roberts - University of Florida*

**Using YouTube® as a Medium for Teaching Self-Reflection**

*Michael L. Pate, Rebecca G. Lawver, Brian K. Warnick - Utah State University*

**Utilization of a Replication of the 2011 [State] State FFA Agricultural Mechanics Career Development Event to Determine Selected Students' Levels of Agricultural Mechanics Knowledge and Skills**

*K. Trent Wells, Brian Parr, and Eric Sewell - Auburn University*

**Utilizing the Agricultural Experience Tracker as an Experiential Program Planning and Chapter Management Tool**

*Shannon Lawrence and John Rayfield - Texas A&M University*

**What Keeps Them from Coming? Culturally and Linguistically Appropriate Methods for Understanding the Challenges and Limitations Faced by Immigrant and Refugee Youth Desiring to Pursue Education and Careers in Agriculture-Related Fields**

*Helen Abdali Soosan Fagan, M.A., and Gina Matkin, Ph.D. - University of Nebraska - Lincoln*

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## Research Poster Presentations – Thursday, March 17

### **A New Perspective on Tomorrow's Leaders: FFA Members' Attitudes on Followership**

*Kate Ferrell, John Rayfield, Barry Boyd - Texas A&M University*

### **A Survey of Student SAE Project Categories and Types**

*Lauren J. Lewis, Dr. John Rayfield, Dr. Lori Moore - Texas A&M University*

### **Agricultural Education's Performance in Educating about Science**

*Adam Marx - University of Missouri*

### **Agriculture at Eleven: Visual Rhetoric and News Media Portrayals of Agriculture**

*Annie Specht, Tracy Rutherford, Amy Dromgoole - Texas A&M University*

### **An Analysis of Student SAE Recordkeeping Practices**

*Lauren J. Lewis, Dr. John Rayfield, Dr. Lori Moore - Texas A&M University*

### **An Assessment of the Perceived Needs and Competencies of Florida Agriculture Teachers**

*Christopher M. Estep, Andrew C. Thoron, T. Grady Roberts - University of Florida*

### **An Investigation of Mathematics Coursework Requirements of Agricultural Teacher Education Programs**

*Christopher Stripling & T. Grady Roberts - University of Florida*

### **Birds of a Feather: Examining Youth Personality Styles in the Kentucky FFA Association**

*Andrea T. Kirby, Randy J. Adams, & Dr. Stacy K. Vincent - University of Kentucky*

### **Community Perceptions of a New Secondary Agriculture Program**

*Rebecca Bezold, Rachel Kagay, John Tummons - University of Missouri*

### **Cooperating Teachers' Perceptions of the Commitment Level and Competencies of Student Teachers**

*Laura Lemons, Gaea Wimmer, Dr. Todd Brashears - Texas Tech University*

### **County Extension Agents' Methods of Communicating 4-H and Extension Programs in Arkansas**

*Mark Russell, Bob Reynolds, Noah Washburn, and Steven "Boot" Chumbley - University of Arkansas and Eastern New Mexico University*

### **Diffusion of Social Media Among County 4-H Programs in Tennessee**

*Rebekah Bowen & Dr. Carrie Ann Stephens - The University of Tennessee*

### **Does Estimated Family Financial Contribution Correlate with SAT/ACT Scores of Texas FFA Scholarship Recipients?**

*Casey Page, Sheyenne Krysher, L. A. Wolfskill, Dwayne Pavelock, Doug Ullrich and Michael Lau - Sam Houston State University*

### **Effective Teaching Behaviors of College Instructors**

*Rebecca Bezold and Jon Simonsen - University of Missouri*

### **Entrepreneurship Education: What are the Secondary Agriculture Teachers Doing and What do They Need**

*Awoke Dollisso - Iowa State University*

### **Estimated Lifetime Financial Impacts of Extended Employment on Beginning Secondary Agricultural Education Professionals**

*Matthew Shultz, Jay Morgan, Kimberly Bellah, & Alyx Shultz - Iowa State University & Murray State University*

### **Evaluating Interns: An Analysis of Supervisors' Satisfaction with Agricultural Communications Interns**

*Jessica Fry and Dr. Erica Irlbeck - Texas Tech University*

### **Evaluation of a Comprehensive Department: What do Alumni Think?**

*Michael Pate, Becki Lawver, Brian Warnick, Lindsey Shirley, and Bruce Miller - Utah State University*

### **Exploring the Perceived Effectiveness of Experiential Learning Techniques Within [state] 4-H Clubs as Reported by Extension Educators and Volunteer Leaders**

*Robyn Bechtel and John Ewing - Pennsylvania State University*

### **Extension's Online Presence: Are Land-Grant Universities Promoting the Tripartite Mission?**

*Shannon Arnold, Nikki Bailey, Alex Hill, Courtney Meyers - Montana State University and Texas Tech University*



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**From Couch to Classroom: Exploring College Students' Television Uses and Gratifications**

*Haley Porter, Gaea Wimmer, Dr. Courtney Meyers - Texas Tech University*

**Gauging Perceptions of Public Policy in Agricultural and Natural Resources**

*Quisto Settle, Tracy Irani, Alexa Lamm, Hannah Carter, & Rachel Divine - University of Florida*

**Good for the goose, good for the gander; an exploration of difficult concepts for students and teachers in agricultural education.**

*Savannah Robin, Bryan Hains, Bethany Pratt - University of Kentucky*

**Identifying Sources of Self-Efficacy in Introductory Plant Science Course**

*Lisa Keefe - Purdue University*

**International Acculturation: The Good, the Bad, and the Ugly**

*Jonathan Tubbs, Savannah Robin, Bryan Hains - University of Kentucky*

**Learning About School IPM Effectiveness Through Stakeholder-Based Evaluation**

*Nicholas R. Brown, Marshall A. Baker, Kathleen D. Kelsey - Oklahoma State University*

**Mathematics Efficacy: An Investigation of Cooperating Teachers and Their Student Teaching Interns**

*Christopher T. Stripling & T. Grady Roberts - University of Florida*

**Meeting the Professional Development Needs of New Mexico School-based Agricultural Educators: A Focus on Management of the Agricultural Mechanics Laboratory**

*Dr. P. Ryan Saucier, Dr. Billy R. McKim, Dr. Kristin Stair, Dr. Carlos Rosencrans - Texas State University- San Marcos, Texas A&M University, New Mexico State University*

**Motivating Factors Affecting the Interest of Faculty in International Agricultural Development Activities**

*Ronaldo L. Magtoto, Dr. Robert A. Martin - Iowa State University*

**Perceptions of School-Based Agriculture Teachers Regarding Purpose and Current Outcome of SBAE Curriculum**

*Kristina Haug - University of Missouri*

**Perceptions of Teacher Educators Regarding The Purpose and Current Outcome of SBAE Curriculum**

*Kristina Haug - University of Missouri*

**Pictures that Speak a Thousand Words: The Use of Photojournaling as a Reflection Tool in Agricultural Leadership Programs**

*Avery Culbertson, Hannah Carter, Joy N. Goodwin - University of Florida*

**Student Competency Levels Entering Introductory Post-Secondary Agricultural Mechanics Courses**

*Dillon Campo, Matt Shultz, & Ryan Anderson - Iowa State University*

**Student Perceptions of Agricultural Advocacy – A Mixed Methods Study**

*Chaney Mosley, Keyana Ellis, Eric Kaufman - Virginia Tech*

**Student Perceptions of Science: An Investigation of Agriscience Classrooms**

*Andrew C. Thoron and Eric D. Rubenstein - University of Florida*

**Students Perceptions of Agriscience when Taught Through Inquiry-based Instruction**

*Andrew C. Thoron, Sarah E. Burlison - University of Florida*

**The Status of State Curriculum Standards and Curriculum Decision Making**

*Joy Marshall - North Carolina State University*

**The Use of Theory in Agricultural Education: A Review of JAE Articles 2007-2011**

*G.Curtis Langley, Erica B. Theiman, Michael J. Martin, Kristin A. Kovar, Tracy Kitchel - University of Missouri*

**Using Involvement Theory to Examine the Relationship Between Extracurricular Participation and Leadership Development of Undergraduate Students.**

*Elizabeth Foreman and Michael S. Retallick - Iowa State University*

**Utilization of Advisory Councils in Pennsylvania Secondary Agricultural Education**

*Douglas Masser and Daniel D. Foster- The Pennsylvania State University*

**THURSDAY, MAY 17, 2:30-4:00 P.M.**

**Session A – Outcomes and Impacts of Agricultural Education Curriculum Programs**

Discussant: Kirk Swortzel – Mississippi State University

Facilitator: Steven “Boot” Chumbley – Eastern New Mexico University

***The CASE Curriculum and Science Teaching Efficacy: A One Year Follow-up Study***

- Jonathan D. Ulmer, Texas Tech University
- Jonathan J. Velez, Oregon State University
- Phillip A. Witt, Texas Tech University
- Gregory W. Thompson, Oregon State University
- Misty D. Lambert, Oregon State University
- Scott Burriss, Texas Tech University

***Utilization of a High Stakes High School Graduation Exam to Assess the Impact of Agricultural Education: A Measure of Curriculum Integration***

- J. Brock Nolin, Tallassee City Schools
- Brian A. Parr, Auburn University
- J. Eric Sewell, Auburn University

***An Examination of the Impact of CASE on Students***

- Jonathan J. Velez, Oregon State University
- Misty D. Lambert, Oregon State University
- Kristopher M. Elliott, Oregon State University

***Teachers Speak About CASE***

- Misty D. Lambert, Oregon State University
- Jonathan J. Velez, Oregon State University
- Kristopher Elliott, Oregon State University

**Session B – Diversity and Multiple Perspectives in Meaningful Learning**

Discussant: Justin Killingsworth – Arkansas Tech University

Facilitator: Debby Boone – West Virginia University

***The Role of Rosenwald Schools in Agricultural Education for African Americans***

- Rebecca Fisher, North Carolina State University
- Gary Moore, North Carolina State University
- Joseph Long, North Carolina State University

***Funding Agricultural Education for African American Students in the American South: The Slater, Rosenwald, and Jeanes Funds***

- D. Barry Croom, North Carolina State University
- Rebecca A. Fisher, North Carolina State University
- Kathryn A. Murray, North Carolina State University

***Teacher Preparation for the Culturally Different: The Next Chapter***

- Jonathan Tubbs, University of Kentucky
- Bryan Hains, University of Kentucky
- Stacy Vincent, University of Kentucky

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### ***Assessing the Agriculture Teacher Workforce in New England***

- Cassandra K. Uricchio, North Carolina State University
- Gary E. Moore, North Carolina State University
- D. Barry Croom, North Carolina State University
- Elizabeth B. Wilson, North Carolina State University
- Shannon E. Pratt-Phillips, North Carolina State University

### **Session C – Experiential Learning: Learning to Do**

Discussant: Daniel Foster – Pennsylvania State University

Facilitator: Randy Adams – University of Kentucky

### ***Effects of the Order of Abstraction and Type of Reflection on Content Knowledge When Teaching Experientially: An Exploratory Experiment***

- Marshall A. Baker, Oklahoma State University
- Nicholas R. Brown, Oklahoma State University
- J. Joey Blackburn, Oklahoma State University
- J. Shane Robinson, Oklahoma State University

### ***Teachers' Perceptions Regarding Experiential Learning Attributes in Agricultural Laboratories***

- Catherine W. Shoulders, University of Florida
- Jessica M. Blythe, University of Florida
- Brian E. Myers, University of Florida

### ***Experiential Learning through Visual Communications Curriculum in Secondary Schools***

- Kristin M Pennington, University of Arkansas
- Leslie D. Edgar, University of Arkansas
- Don W. Edgar, University of Arkansas

### ***Students Interacting with Animals: A Case study of Animal Interaction in School-based Agricultural Education***

- Michael Martin, University of Missouri
- John Tummons, University of Missouri
- Will Bird, University of Missouri
- Anna Henry, University of Missouri

### **Session D – Experiential Learning: Doing to Learn**

Discussant: Andy Baker – Western Illinois University

Facilitator: Ryan Saucier – Texas State University

### ***An Assessment of Students' Perceptions Toward Factors Influencing Supervised Agricultural Experience Participation***

- Lauren J. Lewis, Texas A&M University
- John Rayfield, Texas A&M University
- Lori Moore, Texas A&M University

### ***Supervised Agricultural Experience: An Examination of Student Knowledge and Participation***

- Lauren J. Lewis, Texas A&M University
- John Rayfield, Texas A&M University
- Lori Moore, Texas A&M University

### ***Economic Impact of Agricultural Mechanics Competition Projects in Texas and Factors that Predict Chapter Investment Value***

- Roger Hanagriff, Texas A&M University
- John Rayfield, Texas A&M University
- Gary Briers, Texas A&M University
- Tim Murphy, Texas A&M University
- Doug Kingman, Sam Houston State University

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***An Ethnographic Study of a Post-Secondary High-Impact Field Experience: Understanding Experiential Learning on the Road to the National FFA Convention***

- Billy R. McKim, Texas A&M University
- Holli R. Leggette, Texas A&M University
- Debbie W. Prince, Texas A&M University
- Caroline K. Black, Texas A&M University
- Shannon G. Lawrence, Texas A&M University

**Session E – Research Methods and Post-secondary Experience**

Discussant: Michael Pate – Utah State University

Facilitator: Courtney Meyers – Texas Tech University

***Quantitative Theoretical and Conceptual Framework Use in Agricultural Education Research***

- Tracy Kitchel, University of Missouri
- Anna L. Henry, University of Missouri

***The Qualitative Exploration of First Year Experiences in the College of Agriculture***

- Keyana Ellis, Virginia Tech University
- Eric Kaufman, Virginia Tech University
- Rick Rudd, Virginia Tech University

***How Perception of Evaluation Use Improves Accountability Efforts: A National View***

- Alexa J. Lamm, University of Florida
- Glenn D. Israel, University of Florida

***The Relationship between University Involvement and Satisfaction Level of Community College Transfer Students in Agriculture and Natural Resources***

- Rachel Bobbitt, Texas Tech University
- Cindy Akers, Texas Tech University
- Kim Peters, Texas Tech University
- Todd Brashears, Texas Tech University
- Lori Dudley, Texas Tech University
- Corey Duysen, Texas Tech University

**THURSDAY, MAY 17, 4:15 P.M.-5:45 P.M.**

**Session A – Global Literacy and Education**

Discussant: Barbara Kirby – North Carolina State University

Facilitator: Stephen Edwards – Virginia Tech

***Going Global: Study Abroad Intentions of Agriculture and Natural Resource Students***

- Rachel Bobbitt, Texas Tech University
- Cindy Akers, Texas Tech University

***Obtaining Critical Mass for the 21st Century Student: Implications for Agricultural Education***

- Stacy K. Vincent, University of Kentucky
- Bryan J. Hains, University of Kentucky

***Investigating the Global Competence of Students Meeting Their International Dimension Requirement through Course Offerings: Implications for Improving Undergraduate Education in the College of Agriculture at Oklahoma State University***

- Samba Moriba, Oklahoma State University
- M. Craig Edwards, Oklahoma State University

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***Storytelling as a Pedagogical Tool: Effects on Worldview and Attitudes toward Sustainable Agriculture***

- Patricia E. Grace, Virginia Tech
- Eric K. Kaufman, Virginia Tech

**Session B – Assessment of Stakeholder and Consumer Attitudes and Behaviors**

Discussant: Nicole Stedman – University of Florida

Facilitator: M'Randa Sandlin – Texas A&M University

***The Client's Perspective: A Qualitative Exploration of Service-Learning in Agricultural Communications***

- Laura Vaught, Texas Tech University
- Courtney Meyers, Texas Tech University
- Erica Irlbeck, Texas Tech University
- Jon Ulmer, Texas Tech University

***Service-Learning in Agricultural Communications: Measuring Client Satisfaction***

- Laura Vaught, Texas Tech University
- Courtney Meyers, Texas Tech University
- Erica Irlbeck, Texas Tech University
- Jon Ulmer, Texas Tech University

***The Future of Meat: A Qualitative Framing Analysis of Cultured Meat Media Coverage***

- Joy N. Goodwin, University of Florida
- Catherine W. Shoulders, University of Florida

***Traditional and Social Media Channels Used by Texas Agricultural Producers***

- David L. Doerfert, Texas Tech University
- Lindsay Graber, Texas Tech University
- Courtney Meyers, Texas Tech University
- Erica Irlbeck, Texas Tech University

**Session C – Preparation of Effective Teachers**

Discussant: Jim Flowers – North Carolina State University

Facilitator: Steve Harbstreit – Kansas State University

***Using the Time Student Teachers Allocated to Teaching Agriculture to Understand their Views on Teacher Efficacy***

- Sheyenne Krysher, Sam Houston State University
- J. Shane Robinson, Oklahoma State University
- M. Craig Edwards, Oklahoma State University

***Agricultural Education Teacher Beliefs Regarding Instructional Supervision***

- Thomas H. Paulsen, Iowa State University
- Robert A. Martin, Iowa State University

***The Relationship Between Cooperating Teachers' Preferred Leadership Style and Student Teachers' Satisfaction Level***

- Gaea Wimmer, Texas Tech University
- Todd Brashears, Texas Tech University
- Scott Burris, Texas Tech University

***A Delphi Exploration of Effective Cooperating Teacher Characteristics***

- Phillip A. Witt, Texas Tech University
- Misty D. Lambert, Oregon State University
- Jonathan D. Ulmer, Texas Tech University

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## **Session D – Vibrant, Resilient Communities**

Discussant: Kirk C. Edney – Texas A&M University

Facilitator: Kristin Kovar – University of Missouri

### ***Toward a Framework for Effective Teaching in Extension Education: A Multi-State Factor-Analytic and Psychometric Analysis of Effective Teaching***

- Billy R. McKim, Texas A&M University
- Rebecca G. Lawver, Utah State University
- Kellie Enns, Colorado State University
- Amy R. Smith, South Dakota State University
- Mollie S. Aschenbrener, California State University, Chico

### ***Positive Mentors and Agricultural Education: An Examination of the Youth-Adult Relationships within an Urban Veterinary Program***

- William A. Bird, University of Missouri
- John Tummons, University of Missouri
- Michael J. Martin, University of Missouri
- Anna Henry, University of Missouri

### ***Corn Clubs: Pioneer Programs in Agricultural and Extension Education***

- Cassandra K. Uricchio, University of Massachusetts
- Gary E. Moore, North Carolina State University
- Michael D. Coley, North Carolina State University

### ***Sidewalks and City Streets: A Model for Vibrant Agricultural Education in Urban American Communities***

- Nicholas R. Brown, Oklahoma State University
- Kathleen D. Kelsey, Oklahoma State University

## **Session E – Effective Integration of STEM into Agricultural Education Programs**

Discussant: Brian Myers – University of Florida

Facilitator: Preston Byrd – Iowa State University

### ***Investigating the Effects of a Math-Enhanced Agricultural Teaching Methods Course***

- Christopher T. Stripling, University of Florida
- T. Grady Roberts, University of Florida

### ***An Instrumental Case Study of Effective Science Integration in a Traditional Agricultural Education Program***

- Marshall A. Baker, Oklahoma State University
- J. C. Bunch, Oklahoma State University
- Kathleen D. Kelsey, Oklahoma State University

### ***A Grounded Theory Study of CTE Teachers' Perspectives of and Experiences with the Process of CTE and Science Content Integration***

- Matt Spindler, SUNY Oswego
- Bradley C. Greiman, University of Minnesota

### ***Determining the Effect of a Science-Enhanced Curriculum on Agricultural Content Knowledge: A Causal Comparative Study***

- J. Chris Haynes, University of Wyoming
- J. Shane Robinson, Oklahoma State University
- M. Craig Edwards, Oklahoma State University
- James P. Key, Oklahoma State University

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**FRIDAY, MAY 18, 8:00-9:30 A.M.**

**Session A – Teacher Resiliency and Retention**

Discussant: Matt Spindler – SUNY Oswego

Facilitator: Gaea Wimmer – Texas Tech University

***The Autonomy Trap: Why Highly Successful Agricultural Education Teachers Leave the Profession From a Phenomenological Perspective***

- Mindi S. Clark, Oklahoma State University
- Nicholas R. Brown, Oklahoma State University
- Jon W. Ramsey, Oklahoma State University

***Stressed Out! Exploring the Experiences of Rank Agricultural Education Student Teachers by Sex and Institution***

- Matthew Anderson, Lincoln County High School
- Tracy Kitchel, University of Missouri
- Erica B. Thieman, University of Missouri

***Lean on Me: Coping and Mentor Support of Novice Agricultural Educators***

- John D. Tummons, University of Missouri
- Erica B. Thieman, University of Missouri
- Tracy J. Kitchel, University of Missouri

***Are They Concerned? Determining the Effects of Multicultural Education on the Concern Levels of Preservice Teachers in the South***

- Andrea T. Kirby, University of Kentucky
- Stacy K. Vincent, University of Kentucky
- Paula E. Faulkner, North Carolina A&T
- Jacque Deeds, Mississippi State University

**Session B – Productive and Informed Citizens**

Discussant: Jim Leising – University of Minnesota

Facilitator: Laura Sankey – Pennsylvania State University

***Agrarianism: A Philosophy of the National FFA Organization***

- Michael J. Martin, University of Missouri
- Tracy Kitchel, University of Missouri

***Connecting Farm Field Trips with Classroom Curriculum***

- Robyn Stewart, Cornell University

***A Case Study of Managing a School-based Agriculture Program in a Diverse, Rural Community***

- Kristin Kovar, University of Missouri
- Anna Henry, University of Missouri

***Examining Two Decades of Agricultural Literacy Research: A Synthesis of Findings***

- Kristin Kovar, University of Missouri
- Anna Henry, University of Missouri

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## **Session C – Effective Teaching and Learning Processes**

Discussant: Jacque Deeds – Mississippi State University

Facilitator: Kristopher Elliot – Oregon State University

### ***Using Mental Models to Depict Effective Teaching in Agricultural Education: How Students Draw their Perception of Teaching Agriculture***

- J. Shane Robinson, Oklahoma State University
- Kathleen Kelsey, Oklahoma State University
- Rob Terry, Jr., Oklahoma State University

### ***The Effects of a Technology-Mediated Animal Science Unit on Community College Students' Knowledge and Motivation***

- Andrea Schwartz, Ivy Tech Community College
- Neil A. Knobloch, Purdue University
- Levon T. Esters, Purdue University
- Colleen Brady, Purdue University

### ***Agriscience Teachers' Confidence to Teach Biology in Plant and Animal Science Courses***

- Steven "Boot" Chumbley, Eastern New Mexico University
- Mark Russell, University of Arkansas

### ***Toward a Framework for Effective Teaching in Agricultural Education: A Multi-State Factor-Analytic and Psychometric Analysis of Effective Teaching***

- Rebecca G. Lawver, Utah State University
- Billy R. McKim, Texas A&M University
- Amy R. Smith, South Dakota State University
- Mollie S. Aschenbrener, California State University, Chico
- Kellie Enns, Colorado State University

## **Session D – Meaningful and Engaging Learning Experiences**

Discussant: Bart Gill – Western Illinois University

Facilitator: Bob Williams – Texas A&M University, Commerce

### ***Higher Order Thinking Skills as Demonstrated in Synchronous and Asynchronous Online College Discussion Posts***

- Sara B. Brierton, North Carolina State University
- Elizabeth B. Wilson, North Carolina State University
- Mark J. Kistler, North Carolina State University
- David W.W. Jones, North Carolina State University
- Jim Flowers, North Carolina State University

### ***An Examination of the Learning Activities, Cognitive Level of Instruction, and Teacher Immediacy Behaviors of Successful Instructors in a College of Agriculture***

- Christopher M. Estep, University of Florida
- Christopher T. Stripling, University of Florida
- Nathan W. Conner, University of Florida
- Aaron Giorgi, University of Florida
- T. Grady Roberts, University of Florida

### ***An Experimental Study of Critical Reflection***

- Misty D. Lambert, Oregon State University
- Robert M. Torres, University of Arizona



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***The Effects of Teacher Learning Style on Student Knowledge Gain in a Leadership Camp Setting: A Repeated-Measures Experiment***

- Nicholas R. Brown, Oklahoma State University
- Robert Terry, Jr., Oklahoma State University

**Session E – Assessment of Program Effectiveness**

Discussant: John Ricketts, Tennessee State University

Facilitator: Doug Masser - Pennsylvania State University

***Examining the Agricultural Education Fishbowl: Understanding Perceptions of Agricultural Education Stakeholders in Higher Education***

- Marshall A. Baker, Oklahoma State University
- Diane Montgomery, Oklahoma State University

***An Analysis of FFA Chapter Demographics as Compared to Schools and Communities***

- Shannon G. Lawrence, Texas A&M University
- Lori Moore, Texas A&M University
- John Rayfield, Texas A&M University
- Corliss Outley, Texas A&M University

***A Qualitative Analysis of North Carolina Lateral Entry Teachers Perceived Ability to Lead Quality FFA Programs***

- Justine C. Kinney, North Carolina State University
- Wendy J. Warner, North Carolina State University
- James L. Flowers, North Carolina State University
- D. Barry Croom, North Carolina State University

***The Value Principals Place on Human Capital in Agricultural Education: Implications for Pre-service Teachers***

- J. Shane Robinson, Oklahoma State University
- Marshall A. Baker, Oklahoma State University

## WHICH DIRECTION WILL YOUR STUDENTS GO?



### POINT THEM TOWARD THE AGRICULTURE CLASSROOM WITH HELP FROM NAAE & THE NATIONAL TEACH AG CAMPAIGN.

NAAE, [www.naae.org](http://www.naae.org), provides student members with:

- Upper Division Ag Ed scholarships to defer cost of student teaching
- \$100,000 in professional liability insurance coverage
- Communities of Practice professional networking site for mentoring & lesson ideas
- Summer internships in advocacy, communications, and professional development
- Professional development workshops online, at NAAE and FFA conventions, and at summer institutes such as CASE

The Teach Ag website, [www.naae.org/teachag](http://www.naae.org/teachag), includes student resources:

- Teach Ag Ambassador Program
- National Teach Ag Day Collegiate Contest
- New Teacher News helps manage those first few years
- A Day in the Life of an Ag Teacher blog
- Teach Ag Campaign Update monthly newsletters
- Listing of job openings and certification requirements by state

[www.naae.org](http://www.naae.org)

[www.naae.org/teachag](http://www.naae.org/teachag)

[communities.naae.org](http://communities.naae.org)

