

2006 PROGRAM

SOUTHERN REGION CONFERENCE OF THE AMERICAN ASSOCIATION FOR AGRICULTURAL EDUCATION

**HELD IN CONJUNCTION WITH THE MEETING OF
THE SOUTHERN ASSOCIATION OF AGRICULTURAL SCIENTISTS**



**Hosted by
The Tennessee Agricultural Education Programs**



**February 4-8, 2006 – Orlando, Florida
The Wyndham Orlando Resort**

SOUTHERN REGION CONFERENCE
AMERICAN ASSOCIATION FOR AGRICULTURAL EDUCATION

2006 HOST STATE: TENNESSEE

February 4-8, 2006

The Wyndham Orlando Resort - Orlando, Florida

Southern Association of Agricultural Scientists (SAAS) Agricultural Education Division Officers

President and Conference Chair: Randol Waters, University of Tennessee

Research Meeting Chair: Carrie Fritz, University of Tennessee

Vice-President: Tom Dobbins, Clemson University

Secretary: Antoine Alston, North Carolina A & T University

American Association for Agricultural Education (AAAE) Southern Region Officers

Vice-President: James Smith, Texas Tech University

Alternate Vice-President: Adam Kantrovich, Morehead State University

Secretary: Randol Waters, University of Tennessee

SATURDAY, FEBRUARY 4

4 - 7 p.m. **Registration** – Tennessee Agricultural Education **Hotel Lobby**

7 p.m. **SIG Roundtables** – **Lime**

Special Interest Group Roundtable Discussions

Chair: Kirk Swortzel

Facilitators: Shannon Washburn

Carrie Fritz

John Ricketts

SUNDAY, FEBRUARY 5

8:00 a.m. **Registration** - Tennessee Agricultural Education **Palms Ballroom Foyer**

9:00 a.m. **Joint Agricultural Education and Agricultural Communications Vespers Service** **Palms Ballroom Salon G**

Conducted by the Florida Agricultural Education Staff

10:00 a.m. **Opening Session** **Palms Ballroom Salon G**

Presiding: **Randol Waters & Carrie Fritz**, University of Tennessee

Remarks: James Smith, Southern Region Vice-President, AAAE
Tom Dobbins, SAAS Division Vice-President (Outstanding Paper Selection)

Facilitators: Gary Wingenbach, Texas A&M University

Rick Rudd, University of Florida

Robin Peiter Horstmeier, University of Kentucky

10:30 a.m. Concurrent Research Session I

Session A: Technology and Distance Education Palms Ballroom Salon G

Chair: Robin Peiter Horstmeier, University of Kentucky

Discussant: Kim Dooley, Texas A&M University

Facilitator: Ann DeLay, University of Florida

1. Impacts of an audience response system on student achievement in high school agriscience classes- *John Conoley, East Carolina University; Barry Croom, Gary Moore and James L. Flowers, North Carolina State University*
2. The effects of computer-animated instruction upon cognition of high school students-*Don Edgar, Texas A&M University*
3. Instructor perceptions of communication in on-line courses- *Rusty Miller and Ryan G. Anderson, Virginia Tech*
4. Sources for learning about information technology careers and personal influences on the use of information technologies: A longitudinal trend study- *Kirk Swortzel, Jacquelyn P. Deeds and Walter N. Taylor, Mississippi State University*

Session B: Program and Professional Development Tangerine B

Chair: Todd Brashears, Texas Tech University

Discussant: Matt Baker, Texas Tech University

Facilitator: Wendy Warner, University of Florida

1. Inservice delivery: Methods preferred by Georgia agriculture teachers- *John Uessler, Luella High School; John C. Ricketts, Dennis W. Duncan and Jason B. Peake, University of Georgia*
2. Inservice needs of beginning agriculture teachers- *Shannon G. Washburn and James Dyer, University of Florida*
3. Total program efficacy: A comparison of traditionally and alternatively certified agriculture teachers- *Dennis Duncan and John C. Ricketts, University of Georgia*
4. Research capacity in agricultural education- *Brian E. Myers and Ed Osborne, University of Florida*

Session C: Teacher Education Palms Ballroom Salon H

Chair: Craig Edwards, Oklahoma State University

Discussant: Grady Roberts, Texas A&M University

Facilitator: Nick Fuhrman, University of Florida

1. Overcoming gender bias with self-efficacy: A case study of women agricultural education teachers and preservice students-*Kathleen Kelsey, Oklahoma State University*
2. Have high school agricultural education teachers adjusted to block scheduling?- *Elizabeth Wilson, Sarah Looney and Kristin Stair, North Carolina State University*
3. Female agriculture educators in Georgia- *John C. Ricketts, University of Georgia; Rhonda Stone, Coffee County High School; Elaine Adams, University of Georgia*
4. Walking the talk: Factors related to the motivation of teachers to conduct the SAE component of the high school agricultural education program- *Elizabeth Wilson and Gary Moore, North Carolina State University*

12:00 p.m. Graduate Student Luncheon Lemon

Graduate Students and Invited Guests

Chair: Carrie Fritz

Lunch for Remainder of Membership (On Your Own)

Research Posters (continued):

A Determination Of Kentucky's Teacher Demand In Secondary Agricultural Education - *Kate Woglom, Jay Morgan & Brian Parr, Murray State University; Robin Peiter Horstmeier & Tracy Kitchel, University Of Kentucky; Adam Kantrovich, Morehead State University; David Coffey, Western Kentucky University*

Industry Perceptions Of The Effectiveness Of Microwaves For Post-Harvest Food Safety In Eggs - *Lacey Quebe, Todd Brashears, Christine Alvarado & Mindy Brashears, Texas Tech University*

Gender Differences In Addressing Critical Needs Of The Texas Agricultural Leadership Curriculum - *Stacy Stockard, Todd Brashears & Steve Fraze, Texas Tech University*

Career Interest In Agriculture Of The 2004 Class Of The Virginia Governor's School For Agriculture - *Ryan Anderson & John Cannon, Virginia Polytechnic Institute & State University*

Authorship In The Journal Of Agricultural Education From 1996 To 2005 - *Amy Harder & T. Grady Roberts, Texas A&M University*

Front-Line Disaster Responders: The Needs Of Florida's County Extension Professionals - *Mark J. Kistler, Nick T. Place, Tracy A. Irani & Ricky W. Telg, University Of Florida*

Maximizing Students Quality Of Life By Utilizing Career Development Events - *John H. (Rusty) Miller, Andy Seibel & Ryan Anderson, Virginia Polytechnic Institute & State University*

Using The NSF GK-12 Program Model To Increase Technological Competencies Of Agriscience Teachers - *Diana L. Mowen, Shannon H. Degenhart, Julie F. Harlin, James R. Lindner, Gary J. Wingenbach & Larry Johnson, Texas A&M University*

There Is No Need To Fret; It Is Safe To Pet! Understanding Public Knowledge Of Petting Zoo Safety - *Moriah Jennings, John Rayfield, Janice Boyce, Scott Burris, Todd Brashears & Mindy Brashears, Texas Tech University*

Processes To Develop An Agricultural Science Curriculum At Messiah Theological Institute At Mbale, Uganda - *Thomas Kipkurgat, John Kessell, David Lawver, Matt Baker & Sussie Bullock, Texas Tech University*

Help!! I Can't Do It All - *Marshall Swafford, G. Andrew Seibel & Thomas W. Broyles, Virginia Polytechnic Institute & State University*

Agricultural Education Teachers Cannot Be An Army Of One - *Marshall Swafford, G. Andrew Seibel & Thomas W. Broyles, Virginia Polytechnic Institute & State University*

Pre-Service Agriculture Teachers' Sense Of Teacher Efficacy At Two Large Universities - *Christopher Stripling & John C. Ricketts, University Of Georgia; Grady Roberts, Texas A&M University*

Research Posters (continued):

The Beef Baccalaureate - *Karin Fritz, Todd Brashears & Scott Burris, Texas Tech University*

The Value Of Self Reflection Through The Use Of DVD Recording - *Elizabeth Wilson & Joy E. Wilson, North Carolina State University*

Using High School Academic Variables To Predict GSP Test Scores Of Entering Agricultural Communications Students - *Lindsay West, Kim Cooper & Chad Davis, Texas Tech University*

Innovative Ideas Posters:

Recruitment And Retention Of Students Of Color In The College Of Agriculture - *D. Harris, C. Elbert & M. Piña, Texas A&M University*

Bridging The Gap: Providing Contextual Mathematical Instruction To Post-Secondary Agriculture Majors - *Brian Parr & Jay Morgan, Murray State University*

Joining The Ranks: Rank I Certification In Administration With Career And Technical Education - *Christina Bowles, Julie Murphy, Robin Peiter Horstmeier & Tracy Kitchel, University of Kentucky*

Building Partnerships To Better Prepare Students For Student Teaching And Service As Agricultural Science Teachers - *Diana L. Mowen, Gary E. Briers, Julie F. Harlin, T. Grady Roberts & Alvin Larke Jr., Texas A&M University*

Alternative Teacher Certification Program - *Katy Groseta, Brian E. Myers, James E. Dyer & Shannon G. Washburn, University Of Florida*

Ag Mechanics Institute – Agricultural Structures Module: Nailing Down Experiential And Cooperative Learning - *R. Brent Young & Jon W. Ramsey, Oklahoma State University*

The Rise And Fall Of Tobacco In A Small Community: Implementing A Cross-Curricular Student Research Agenda - *K. Dale Layfield, Karen C. Hall & Barbara J. Speziale, Clemson University; Patricia M. Chandler, Florence County School District #3*

Greenhouse Management For Teachers: A Contextual Teaching Methods Course - *John C. Ricketts, Dennis Duncan & Paul Thomas, University Of Georgia; Teri Hamlin, Georgia Department of Education*

Student Networking: A Fundamental Ingredient Of Program Success - *René P. Miller & Leslie D. Jenkins-Mckendrick, Texas A&M University/Texas Tech University; Theresa Pesl Murphrey, Texas A&M University*

A Compact Precision Agriculture Sprayer For Use In University And Extension Educational Programs: *Aaron Dickinson, Donald M. Johnson & George W. Wardlow, University of Arkansas*

Teacher For A Day: Student Recruitment With A Different Twist - *Kirk A. Swortzel, Jacquelyn P. Deeds & Walter N. Taylor, Mississippi State University*

Innovative Ideas Posters (continued):

The Value Of Water: Educational Programming To Maximize Profitability And Decrease Water Consumption - *Matt Norton, Pamela Miller & David Doerfert, Texas Tech University*

Real Experiences, Real Learning: Using Clients to Teach Communication Skills – *Emily Rhoades & Courtney Meyers, University of Florida*

4:00 p.m. SAAS General Session Orange and Lemon

The Future of Animal Agriculture in North America

6:30 – 8:30 p.m. SAAS Reception Poolside Pavilion and Pool Area

MONDAY, FEBRUARY 6

7:30 a.m. Registration - Tennessee Agricultural Education Palms Ballroom Foyer

8:30 a.m. Concurrent Research Session II

Session D: Student Teaching Tangerine B

Chair: Penny Haase-Witler, Southern Arkansas University

Discussant: Jim Dyer, University of Florida

Facilitator: David Jones, University of Florida

1. Important elements of the student teaching experience in agricultural education: A comparison of cooperating teachers' and student teachers' perceptions- *R. Brent Young and M. Craig Edwards, Oklahoma State University*
2. Changes in student teacher perceptions of the student teacher-cooperating teacher relationship throughout the student teaching semester- *Holly Kasperbauer and T. Grady Roberts, Texas A&M University*
3. The influence of the relationship between the student teacher and cooperating teacher on the student teacher's decision to enter teaching- *Holly Kasperbauer and T. Grady Roberts, Texas A&M University*
4. Perceived differences, by gender, in student teacher-cooperating teacher interactions-*Tracy Kitchel, University of Kentucky*

Session E: Extension Programs and Personnel Palms Ballroom Salon H

Chair: Dennis Duncan, University of Georgia

Discussant: Ed Osborne, University of Florida

Facilitator: Ryan Anderson, Virginia Tech

1. Leadership expectations of county Farm Bureau board members- *Hannah S. Carter and Rick D. Rudd, University of Florida*
2. Social barriers perceived by female small-scale agricultural producers-*Elizabeth J. Maeda, Ministry of Agriculture and Food Security, Tanzania; George W. Wardlow, and Jefferson D. Miller, University of Arkansas*
3. Factors influencing public school administrators' hiring practices of agricultural education teachers-*William Weeks, Oklahoma State University*
4. Emotional intelligence of state 4-H leadership youth in Mississippi- *Jacquelyn Deeds and Amber Schmidt Watts, Mississippi State University*

Session F: Leadership and Youth Development **Tangerine A**

Chair: Shannon Washburn, University of Florida

Discussant: Brian Myers, University of Florida

Facilitator: Stacy Stockard, Texas Tech University

1. Student project teams: Understanding team process through an examination of leadership practices and team culture- *Penny Pennington and Kathleen Kelsey, Oklahoma State University*
2. Leadership context and role of rural FFA members in the southern region- *Robin Peiter Horstmeier, University of Kentucky*
3. Factors that influence the decision to participate in youth development opportunities in rural high schools in three southern states- *John Rayfield, Kirsten Compton, David Doerfert, Steve Frazee, Chad Davis and Cindy Akers, Texas Tech University*
4. Graduate fellows in the classroom: Middle school students' science, technology, engineering, or mathematics beliefs and interests- *Shannon Degenhart, Gary J. Wingenbach, Diana Mowen and James R. Lindner, Texas A&M University*

10:00 a.m. Break (Refreshment Break outside of Tangerine A)

10:30 a.m. Concurrent Research Session III

Session G: Agriscience and Urban Agriculture **Tangerine B**

Chair: Jay Morgan, Murray State University

Discussant: Gary Moore, North Carolina State University

Facilitator: Moriah Jennings, Texas Tech University

1. Competencies and traits of successful agricultural science teachers- *Grady Roberts, Julie F. Harlin, Kim E. Dooley, and Theresa P. Murphrey, Texas A&M University*
2. Issues facing urban agriscience teachers: A Delphi study- *Wendy Warner and Shannon G. Washburn, University of Florida*
3. Agricultural literacy of urban/suburban & rural twelfth grade students in five Illinois high schools: An Ex Post Facto Study- *Seburn Pense, Southern Illinois University; Jessica Beebe, Kansas State University; James G. Leising, Oklahoma State University; Dexter B. Wakefield and Richard W. Steffen, Southern Illinois University*
4. The use and design of lab instruction in secondary agriscience classrooms- *Wendy J. Warner, Shannon Arnold, David W.W. Jones and Brian Myers, University of Florida*

Session H: Instructional Methods and Resources **Palms Ballroom Salon H**

Chair: John Ricketts, University of Georgia

Discussant: David Lawver, Texas Tech University

Facilitator: Lacey Durham, Texas Tech University

1. Attitudes of secondary agricultural science and biology/business students toward information technology: A longitudinal trend study- *Kirk Swortzel, Jacquelyn P. Deeds, and Walter N. Taylor, Mississippi State University*
2. Assessment of references to agriculture in a middle grade science textbook- *Marshall Swafford, Virginia Tech; Robert Terry, Jr., University of Missouri*
3. Does a curriculum integration intervention to improve the mathematics achievement of students diminish their acquisition of technical competence? An experimental study in agricultural mechanics- *Brian Parr, Murray State University; M. Craig Edwards and James G. Leising, Oklahoma State University*
4. Therapeutic riding: An educational tool for children with disabilities as viewed by teachers- *Rusty Miller, Virginia Tech; Antoine J. Alston, North Carolina A&T State University*

Session I: Learning Styles and Learning Tangerine A

Chair: Tracy Kitchel, University of Kentucky

Discussant: Jim Leising, Oklahoma State University

Facilitator: Karin Fritz, Texas Tech University

1. Experiential learning in secondary agricultural education classrooms- *Shannon Arnold, Wendy J. Warner and Edward W. Osborne, University of Florida*
2. An investigation of the critical thinking ability of secondary agriculture students- *Scott Burris, Texas Tech University; Bryan Garton, University of Missouri*
3. Influence of overtly teaching for critical thinking on critical thinking skills of undergraduates in a College of Agriculture- *Curt Friedel, Tracy Irani, Rick Rudd, Maria Gallo, and Erin Eckhardt, University of Florida*
4. Factors influencing gifted and talented students' college decisions- *John Cannon, John H. Hillison and Thomas W. Broyles, Virginia Tech*

12:00 p.m. Conference Luncheon Palms Ballroom Salon F/G

Presiding: **James Smith**, Southern Region AAAE Vice- President

Moment of Silence

Memorial Recognitions

Graduate Student Recognitions

Speaker: Distinguished Mystery Lecturer

1:30 p.m. AAAE-SRC Business Meeting Tangerine A

Presiding: **James Smith**, Texas Tech University, Southern Region AAAE Vice-President

Remarks: **Randol Waters**, University of Tennessee, SAAS Agricultural Education Division President and Conference Chair

2:45 p.m. Break (Refreshment Break outside of Tangerine A)

3:15 –

4:45 p.m. Professional Development Seminar Tangerine A

“Service Learning”

Speakers: Jeff Miller, Jacque Deeds, Rick Rudd

Chair: Kirk Swortzel, Mississippi State University
Chair, AAAE Southern Region Professional Development Committee

Facilitators: Shannon Washburn
Carrie Fritz
John Ricketts

5:30 p.m. Awards Dinner Palms Ballroom Salon C/D

Presiding: **James Smith**, Texas Tech University, Southern Region AAAE Vice-President

Randol Waters, University of Tennessee, SAAS Agricultural Education Division President and Conference Chair

S-AAAE Conference Adjourns after Dinner

7:30 a.m. SAAS Board of Directors Meeting Oleander B
(Randol Waters/Tom Dobbins/Antoine Alston/ Joe Kotrlik)

**Thanks to our colleagues at the University of Florida for providing technology assistance,
computers and digital projectors for our conference!**

AAAE Standing Committees and Their Duties

Member Services

Purpose: The purpose of the Member Services Committee is to collect, summarize, and distribute appropriate information/data to the AAAE membership.

Committee Activities: To accomplish its purpose, the Member Services Committee carries out the following activities:

1. Revise and publish annually the Directory of University Agricultural Educators.
2. Conduct an annual salary survey and a periodic supply and demand study, summarize the data and distribute to the membership.
3. Collect and post on the AAAE website the positions available in agricultural education.
4. Provide information and establish policies for posting information on the AAE website and determine policy for release of directory information.
5. Carry out other activities agreed upon by the membership and/or Executive Committee.
6. Review and update the AAAE Constitution and Bylaws as they pertain to the Member Services Committee.
7. Develop opportunities to increase communication in the organization through the use of chat rooms, bulletin boards, and listservs.

Professional Development

Purpose: The purpose of the Professional Development Committee is to plan, develop and coordinate activities that enhance membership in AAAE, provide for the growth and development of members, recognize members for exemplary contributions, and secure competent leaders for the organization to ensure effective and efficient operation of the organization.

Committee Activities: To accomplish its purpose, the Professional Development Committee carries out the following activities:

1. Select a representative from each region to secure nominations for AAAE officers, under the direction of the Past-President.
2. Review the awards program and nominate individuals for appropriate awards.
3. Provide leadership for determining, planning and implementing professional meetings. (i.e. research pre-sessions)
4. Develop and request annually from AAAE a budget for the committee's activities.
5. Carry out other activities related to professional development agreed upon by the membership and/or Executive Committee of AAAE.

Program Improvement

Purpose: The purpose of the Program Improvement Committee is to enhance existing programs, encourage and support new program initiatives, and provide agricultural leadership that will positively impact agricultural education.

Committee Activities: To accomplish its purpose, the Program Improvement Committee carries out the following activities:

1. The committee will identify special interest groups and facilitate collegial working relationships.
2. Provide opportunities for collaboration within and outside of agricultural education.
3. Serve as an advocate for improvement of teaching and learning in agriculture.
4. Provided leadership and representation on organizations of the profession.
5. Coordinate the AAAE Poster Session to facilitate the exchange of ideas and activities among members.
6. Carry out other activities related to program improvement agreed upon by the membership and/or Executive Committee of AAAE.
7. Review and update AAAE Constitution and Bylaws as they pertain to the committee.

Research

Purpose: The purpose of the Research Committee is to promote scholarly research and development activities among the membership that leads to advancing the profession of agricultural education.

Committee Activities: To accomplish its purpose, the Research Committee is charged with the following:

1. Promote dissemination of research through professional research meetings such as the National Agricultural Education Research Conference and regional research conferences.
2. Identify individuals and/or departments to chair the National Agricultural Education Research Conference.
3. Recommend policies related to research conferences to facilitate the dissemination of research.
4. Recommend policies related to dissemination of research through journals and other appropriate media
5. Coordinate with the Communication Committee and other appropriate AAAE committees the dissemination or research on the AAAE web site.
6. Promote recognition of research and development activities of members through programs including: but not limited to:
 - Outstanding research papers at the National Agricultural Education Research Conference
 - Journal of Agricultural Education Author of the Year Awards Program
7. Carry out other activities related to research agreed upon by the membership and/or Executive Committee of AAAE.
8. Foster collaboration with other regions and communicate funding opportunities available for agricultural education research.
9. Maintain a connection with the goals and activities of other related societies and agencies.