

**ACTE AGRICULTURAL EDUCATION DIVISION**  
**2000 Convention Agenda**  
**AAAAE/NASAE/NAAE**  
**WEDNESDAY, DECEMBER 6, 2000**

**AGRICULTURAL EDUCATION**

**7:00-8:00 a.m. NAERC Continental Breakfast – Westin California Foyer**

**7:00-10:30 a.m., NAERC Registration - Westin**

**8:00-8:25 a.m., NAERC Preview – Westin California**  
*Chair:* Greg Miller, Iowa State University

**8:30-10:00 a.m., Concurrent Session A: - Westin Plaza A**

*Theme:* Educational Technology

*Chair:* Mark A. Balschweid, Purdue University

*Discussant:* R. Kirby Barrick, University of Illinois at Urbana-Champaign

*Facilitator:* W. Wade Miller, Iowa State University

Paper 1 Computer Experiences, Self-Efficacy and Knowledge of Students Enrolled in Selected Upper-Division University Agriculture Courses  
Donald M. Johnson, University of Arkansas  
James A. Gereguson, University of Arkansas  
Melissa L. Lester, University of Arkansas

Paper 2 Computer Tasks Required in Selected Undergraduate Agriculture Courses  
Donald M. Johnson, University of Arkansas  
James A. Ferguson, University of Arkansas  
Nancy G. Wyatt, University of Arkansas  
Melissa L. Lester, University of Arkansas

Paper 3 College of Agriculture Faculty Perceptions of Electronic Technologies in Teaching  
Kim E. Dooley, Texas A&M University  
Tim H. Murphy, Texas A&M University

Paper 4 Cognitive and Affective Outcomes of Animation on Asynchronous Learning of Agricultural Science Concepts  
Kim E. Dooley, Texas A&M University  
Carol L. Stuessy, Texas A&M University  
Jane Magill, Texas A&M University  
Prabha Vasudevan, Texas A&M University

**8:30-10:00 a.m., Concurrent Session B: - Westin Plaza B**

*Theme:* Leadership & Volunteerism  
*Chair:* Douglas Pals, University of Idaho  
*Discussant:* Susan M. Fritz, University of Nebraska-Lincoln  
*Facilitator:* Nancy Grudens-Schuck, Iowa State University

- Paper 1 Steering Through Turbulent Waters While Developing a Community of Practice: Struggles in an Undergraduate Leadership Course Based on Service Learning  
Amanda Corn, Iowa State University  
Cary J. Trexler, Iowa State University
- Paper 2 Personality Types and Final Grades in Group Organization and Leadership Development  
Gary J. Wingenbach, Mississippi State University
- Paper 3 Leadership Styles of Florida's County Extension Directors: Perceptions of Self and Others  
Rick D. Rudd, University of Florida
- Paper 4 Involvement of Volunteers in Agricultural Education Programs in New Mexico  
Carlos Rosencrans, New Mexico State University  
Brenda S. Seevers, New Mexico State University

**8:30-10:00 a.m., Concurrent Session C: - Westin Plaza C**

*Theme:* Safety, Health, and the Environment  
*Chair:* James L. Flowers, North Carolina State University  
*Discussant:* Kirk Swartzel, Auburn University  
*Facilitator:* Carl Reynolds, University of Wyoming

- Paper 1 Safety and Health Attitudes and Beliefs of Entry-Year Agriculture Teachers in Texas  
Douglas R. Ullrich, Sam Houston State University  
Daniel J. Hubert, University of Texas Health Center at Tyler  
Tim H. Murphy, Texas A&M University
- Paper 2 Safety and Health Education Analysis of Texas' First Year Agriculture Teachers  
Daniel J. Hubert, Southwest Center for Agricultural Health  
Douglas R. Ullrich, Sam Houston State University  
Tim H. Murphy, Texas A&M University
- Paper 3 An Examination of Pollution Prevention in Montana Secondary Agricultural Education Laboratories  
Thomas M. Bass, Montana State University  
Martin J. Frick, Montana State University
- Paper 4 A Formative Evaluation of Valle Grande Rural Institute in Canete, Peru  
Victor Cabrera, University of Florida  
Matt Baker, University of Florida  
Peter E. Hildebrand, University of Florida

**8:30-10:00 a.m., Concurrent Session D: - Westin Presidio**

*Theme:* Extension  
*Chair:* Kathleen D. Kelsey, Oklahoma State University  
*Discussant:* Robert A. Martin, Iowa State University  
*Facilitator:* Donna L. Graham, University of Arkansas

Paper 1 Professional Development Needs of State Extension Specialist  
Rama B. Radhakrishna, Clemson University

Paper 2 The Influence of Selected Personological and Organizational Characteristics Upon Professional Development Needs of State Extension Specialists in Florida  
Olanda Bata, University of Florida  
Matt Baker, University of Florida  
Steven G. Jacob, University of Florida

Paper 3 Balancing Work and Family: Professional Development Needs of Extension Faculty  
Nick T. Place, University of Florida  
Steven G. Jacob, University of Florida  
William R. Summerhill, University of Florida  
Larry R. Arrington, University of Florida

Paper 4 The Impact of Overseas Assignments on Individual, Organizational and Community Attitudes, Behaviors and Support for International Extension Involvement  
Nick T. Place, University of Florida  
Mary P. Andrews, Michigan State University  
Nancy E. Crago, The Pennsylvania State University

**10:00-10:30 a.m., Refreshment Break – Westin California Foyer**

**10:30a.m.-Noon, Concurrent Session E: - Westin Plaza A**

*Theme:* Elementary and Secondary Level Agricultural Education  
*Chair:* Harry N. Boone Jr., West Virginia University  
*Discussant:* William L. Thuemmel, University of Massachusetts  
*Facilitator:* Carrie Fritz, Iowa State University

Paper 1 Relationships of Elementary Teachers' Perceptions and Activities Conducted Regarding the Integration of Agricultural Awareness Activities into the Curriculum  
Neil A. Knobloch, The Ohio State University  
Robert A. Martin, Iowa State University

Paper 2 Principals' Perceptions of Integrating Science Into Agriculture Programs  
Gregory W. Thompson, Oregon State University

Paper 3 Value of Scheduling-Related Inservice Education, Opportunity to Implement Effective Instructional Practices, and Performance of Block-Scheduled Learners in Agricultural Science: A Correlational Study  
M. Craig Edwards, Texas A&M University  
Gary E. Briers, Texas A&M University

Paper 4 Factors that Encouraged, Discouraged and Would Encourage Students in Secondary Agricultural Education Programs to Join the FFA  
Rosemary R. Gliem, the Ohio State University  
Joseph A. Gliem, The Ohio State University

**10:30a.m.-Noon, Concurrent Session F: - Westin Plaza B**

*Theme:* Research Capacity and Research Tools

*Chair:* Susan S. Camp, SUNY Oswego

*Discussant:* Glen C. Shinn, Texas A&M University

*Facilitator:* Bob Stewart, University of Missouri

Paper 1 Assessing Research Capacity in Agricultural Education: A Case Study of NCA-24 Institutions  
Robert J. Birkenholz, University of Missouri  
Bradley C. Greiman, University of Missouri

Paper 2 Assessing Research Capacity in Agricultural Education: A Summary of Twelve Land Grant Program Administrators  
Bradley C. Greiman, University of Missouri  
Robert J. Birkenholz, University of Missouri

Paper 3 Expanding the Agricultural Education Research Toolbox: A Case for an Interpretive Perspective  
Mikel Woods, Iowa State University  
Cary Trexler, Iowa State University

Paper 4 A Research-Based Process to Improve Science Skills of Teacher Education in Agriculture Program Graduates  
Carol A. Conroy, Cornell University  
Deborah J. Trumbull, Cornell University

**10:30a.m.-Noon, Concurrent Session G: - Westin Plaza C**

*Theme:* Adult Education

*Chair:* Brenda Seevers, New Mexico State University

*Discussant:* Steve Harbstreet, Kansas State University

*Facilitator:* Jerry L. Peters, Purdue University

Paper 1 Educational Needs of Beginning Farmers in Iowa As Perceived by Providers of Agricultural Education  
Dan R. Nelson, Utah State University  
Larry D. Trede, Iowa State University

Paper 2 Assessing the Learning Style of Iowa Farmers'  
Larry D. Trede, Iowa State University  
Kevin E. Miller, Iowa State University

- Paper 3 A Qualitative Study of the Influence of Farm Leaders' Ideas on a Sustainable Agriculture Education Program  
Nancy Grudens-Schuck, Iowa State University
- Paper 4 Evaluation of a Workshop for Agricultural Entrepreneurs  
Meghan E. Mueseler, Oklahoma State University  
Robert Terry, Jr., Oklahoma State University  
Rodney Holcomb, Oklahoma State University

**10:30a.m.-Noon, Concurrent Session H: - Westin Presidio**

- Theme:* Youth Organizations  
*Chair:* Julie F. Harlin, Texas A&M University  
*Discussant:* Tim Murphy, Texas A&M University  
*Facilitator:* Amanda Corn, Iowa State University

- Paper 1 Predictors of FFA Program Quality  
Zane J. Vaughn, North Carolina State University  
Gary E. Moore, North Carolina State University
- Paper 2 The Image Factor: Perceptions of the FFA Organization by Members and Non-Members  
Barry Croom, North Carolina State University  
James L. Flowers, North Carolina State University
- Paper 3 Building Confidence and Personal Pride: Perceptions of Selected FFA Memebers Towards Involvement in the National FFA Organization  
Mark A. Balschweid, Purdue University  
B. Allen Talbert, Purdue University
- Paper 4 Exploring the Past of the New Farmers of America (NFA): The Merger with the FFA  
Dexter B. Wakefield, Purdue University  
B. Allen Talbert, Purdue University

**Noon-1:30 p.m., Lunch (on your own)**

**1:30-3:00 p.m., Concurrent Session I: - Westin Plaza A**

- Theme:* Distance Education  
*Chair:* Randall H. Williams, Texas A&M University – Kingsville  
*Discussant:* Michael K. Swan, Washington State University  
*Facilitator:* Dexter Wakefield, Purdue University

- Paper 1 Overcoming Barriers to Learning in Distance Education: The Effects of Personality Type and Course Perceptions on Student Performance  
Tracy Irani, University of Florida  
Christi Scherler, University of Florida  
Michael Harrington, University of Florida  
Ricky Telg, University of Florida

- Paper 2      An Evaluation of a Multidisciplinary Course Delivered at a Distance: Prescriptive Principles to Challenge our Profession  
 Kim E. Dooley, Texas A&M University  
 Bhimanagouda S. Patil, Texas A&M University – Kingsville  
 R. Daniel Lineberger, Texas A&M University
- Paper 3      Perceived Strengths, Weaknesses, Opportunities, and Threats That Impact the Diffusion of Distance Education Technologies for Colleges of Agriculture in Land Grant Institutions  
 Theresa Pesl Murphrey, Texas A&M University  
 Kim E. Dooley, Texas A&M University
- Paper 4      Interest in Online Leadership Education and Implications for Instructional Design Strategies  
 Theresa Pesl Murphrey, Texas A&M University  
 Barry L. Boyd, Texas A&M University

**1:30-3:00 p.m.,      Concurrent Session J: - Westin Plaza B**

- Theme:*      Recruitment, Retention, and Career Preparation  
*Chair:*      B. Allen Talbert, Purdue University  
*Discussant:*      Alfred J. Mannebach, The University of Connecticut  
*Facilitator:*      Mikel Woods, Iowa State University

- Paper 1      Predictors of Student Retention in Colleges of Agriculture  
 James E. Dyer, University of Missouri  
 Lisa M. Breja, Iowa State University  
 Penny S. Haase Wittler, University of Missouri
- Paper 2      Problems in Student Retention: A Delphi Study of Agriculture Teacher Perceptions  
 Lisa M. Breja, Iowa State University  
 Anna L. Ball, University of Missouri  
 James E. Dyer, University of Missouri
- Paper 3      Predicting College Agriculture Students' Academic Performance and Retention: A Trend Study  
 Bryan L. Garton, University of Missouri  
 James E. Dyer, University of Missouri  
 Brad O. King, University of Missouri  
 Anna L. Ball, University of Missouri
- Paper 4      An Assessment of Agricultural Education Graduates' Preparation for Careers in Teaching and Industry  
 D. Dwayne Cartmell II, University of Missouri  
 Bryan L. Garton, University of Missouri

**1:30-3:00 p.m.,      Concurrent Session K: - Westin Plaza C**

- Theme:*      Teacher Education  
*Chair:*      Vernon D. Luft, University of Nevada, Reno  
*Discussant:*      Carol A. Conroy, Cornell University  
*Facilitator:*      Barry Croom, North Carolina State University

- Paper 1      Clinical Experiences for Agricultural Teacher Education Programs in North Carolina, South Carolina, and Virginia  
Thomas R. Dobbins, Clemson University  
William G. Camp, Virginia Tech
- Paper 2      Cooperating Teachers' Perceptions of Important Elements of the Student Teaching Experience: A Focus Group Approach with Quantitative Follow-Up  
M. Craig Edwards, Texas A&M University  
Gary E. Briers, Texas A&M University
- Paper 3      An Assessment of South Carolina Agriculture Teachers' Inservice Needs and Perceived Competencies  
K. Dale Layfield, Clemson University  
Thomas R. Dobbins, Clemson University
- Paper 4      A Description of the Nature and Impact of Teaching Events and Alternative Forms of Beginning Teacher Assistance Experienced by Beginning Minnesota Agricultural Education Teachers  
Richard Joerger, University of Minnesota  
Glenn Boettcher, University of Minnesota

**1:30-3:00 p.m.,      Concurrent Session L: - Westin Presidio**

- Theme:*      Higher Education  
*Chair:*      Ed Osborne, University of Florida  
*Discussant:* James Christiansen, Texas A&M University  
*Facilitator:* Cary Trexler, Iowa State University

- Paper 1      Land Grant University Faculties' Perceptions of Teaching Skills and Educational Technologies  
M. Damon Ladner, Mississippi State University  
Gary J. Wingenbach, Mississippi State University
- Paper 2      Using Think-Aloud Protocols to Compare Cognitive Levels of Students and Professors in College Classrooms  
M. Susie Whittington, The Pennsylvania State University  
Josue Lopez, The Pennsylvania State University  
Kristen Fisher, The Pennsylvania State University  
Elizabeth Schley, The Pennsylvania State University
- Paper 3      Beliefs About a Constructivist Model for Teaching Compared with Traditional Teaching Methods Among Teacher Education Students  
George W. Wardlow, University of Arkansas  
Freddie Scott, University of Arkansas
- Paper 4      Perceptions of Freshman Agriculture Majors of Alternative Versus Conventional Agricultural Paradigms  
Donna L. Graham, University of Arkansas

**3:00-3:30 p.m.      Refreshment Break – Westin California Foyer**

**3:30-5:00 p.m., NAERC Closing Session – Westin California**

*Topic:* TBA  
*Speaker(s):* TBA  
*Chair:* Robert A. Martin, Iowa State University  
*Facilitator:* Greg Miller, Iowa State University

**NAERC 2000 Evaluation**

*Presenter:* Greg Miller, Iowa State University

**NAERC 2001**

*Presenter:* Joe W. Kotrlik, Louisiana State University  
Michael F. Burnett, Louisiana State University

**5:00-5:30 p.m., AAEE Executive Committee Meeting – Westin Sierra**

*Chair:* Michael Swan  
*Facilitators:* Vern Luft, Jim Flowers, Carol Conroy, Robert Martin, Jacquelyn Deeds, Gary Straquadine, Robert Terry, Tim Murphy, Gary Moore

**7:00-9:30 p.m., Journal of Agricultural Education Managing and Review Board  
- Westin Coronado**

*Chair:* Brenda Seevers  
*Description:* Annual meeting for reviewing and updating policy, procedures and budget for the journal.

**7:00-9:30 p.m., Agricultural Education Magazine Editing/Managing Board  
- Westin Balboa**

*Chair:* William Thuemmel  
*Facilitator:* Cary Trexler  
*Description:* Annual meeting for reviewing and updating policy, procedures and budget for the magazine.



## THURSDAY, DECEMBER 7, 2000

### AGRICULTURAL EDUCATION

#### 8:30-10:00 a.m., AAAE Opening Session – Distinguished Lecturer – Center 2

*Chair:* Michael K. Swan and Jim Flowers

*Facilitators:* Vern Luft, Carol Conroy, Robert Martin, Jacquelyn Deeds, Gary Straquadine, Robert Terry, Tim Murphy, Gary Moore

*Description:* Special presentation by a nationally recognized agricultural educator.

#### 10:00 – 11:00 ACTE Opening Session – Center

#### 11:30 – 1:00 p.m., University of Missouri Luncheon (by invitation only)

*Chair:* Bob Birkenholz

*Hosts:* Penny Haase Wittler, Jim Dyer

#### 1:15-3:00 p.m., AAAE Poster Session – Visit Trade Show – Center Trade Show Area

*Chair:* William Kellogg

*Facilitators:* Jill Webster, Western Region; Bill Weeks, Southern Region; Clark Hanson, Central Region; Carol Conroy, Eastern Region

Teaching Portfolios: A Strategy to Improve Learning and Teaching for Preservice Teachers in Agricultural Education. Greg Thompson and Susie Nelson. Oregon State University

A Learning Assessment Tool for a New Natural Resources Curriculum in Utah's Agricultural Education Program. Barbara Middleton, David Francis, Chris Call, and Gary Straquadine. Utah State University

Why Johnny Can't Coach a CDE. Edward Franklin and Matthew Portillo. Oklahoma State University

Curriculum Model for Distance Education AgEds 315 Leadership and Group Dynamics. Richard Carter and Paula Teig, Iowa State University

Models for Integrating Computer Technologies into Agricultural Student Teaching Programs. G. Miller, W. W. Miller, and J. E. Kessell. Iowa State University

Teaching Improvement for University Agriculture Faculty. Bradley C. Greiman, Robert J. Birkenholz and Bryan L. Garton. University of Missouri.

Biotechnology and Agriscience Research Course and Curriculum Development. Elizabeth Wilson, North Carolina State University

The First Annual Texas Junior FFA Leadership Conference. Doug Ullrich, Sam Houston State University and Carl G. Igo, Southwest Texas State University.

More Power!!! [grunt, grunt] Another Tool for the Preservice Toolbox. Edward Franklin, Oklahoma State University.

Thinking in Classrooms. Ruku Sarker and Sarah I. Warman, Pennsylvania Governor's School for the Agricultural Sciences Scholars and M. Susie Whittington and Josue Lopez, The Pennsylvania State University.

An Evaluation of the Fall Conference for Leadership and Professional Development: A Triangular Approach. Joann Young and M. Susie Whittington, The Pennsylvania State University.

Using Electronic Media in Career Development Events. Linda D. Moody, Megan Patent, and Matt Kreifels. University of Nebraska. George Nygren, Emerson-Hubbard High School.

Examining the Significance of the Refined FFA Mission Statement. Penny S. Haase Wittler, University of Illinois and David Doefert, National FFA Center

Using Real Cases for Instruction. Donna L. Graham, University of Arkansas.

Integrating Animal Science Courses in High School Agricultural Education Programs in North Carolina. Jerry D. Gibson, North Carolina State University, Steve Matthis, Sampson Community College, and Lanny Hass, North Carolina Cooperative Extension.

**3:15-5:00 p.m., Ag Ed Division Plenary Session I – Center 2**

*Presenter:* Larry Rosenstock, Principal and CEO, High Tech High School, San Diego, CA

*Chair:* Chuck Miller

*Facilitators:* Michael Swan, Troy Newton, Mike Cox

*Description:* Focused on the creation of a new public charter school in San Diego. High Tech High scraps traditional notions of what a high school should be, with less than a third of its space devoted to traditional classrooms, it has specialized labs ranging from the study of biotechnology to computer animation. Each student is provided a personal workstation, much like those found in high tech companies.

**5:30-7:00 p.m., AgEd/AAAE/NAERC Awards Reception & Presentations – Center 14B**

*Chair:* Michael Swan

*Facilitator:* Vern Luft, Jim Flowers, Carol Conroy, Robert Martin, Jacquelyn Deeds, Gary Straquadine, Rob Terry, Tim Murphy, Gary Moore

*Description:* Recognition of the top presenters at this year's NAERC along with recognition of other agricultural educators for various contributions to the profession.

**FRIDAY, DECEMBER 8, 2000**

**AGRICULTURAL EDUCATION**

**7:00-8:30 a.m., Agricultural Education National Standards Committee – Westin California A**

*Chair:* Carol Conroy

*Facilitators:* Bob Birkenholz, Greg Thompson, Mark Balschweid, Kirk Swortzel, Gary Straquadine, Jim Leising, Dick Joerger, Bobby Torres

*Description:* Working session for discussion of draft national standards for teacher education in agriculture.

**9:00 – 10:00 a.m., ACTE General Session - Center**

**10:15-Noon, Ag Ed Division Plenary Session II – Career Clusters – Center 1A**

*Chair:* Chuck Miller

*Facilitators:* Michael Swan, Troy Newton, Mike Cox

*Presenters:* Larry Case, Coleman Harris and Others TBD

*Description:* A panel presentation and discussion of the U.S. Department of Education Career Cluster Initiative including current status and plans regarding the agriculture and natural resources career cluster.

**Noon-1:15 p.m., Ag Ed Division Luncheon – Westin California A**

*Chair:* Chuck Miller

*Facilitators:* Michael Swan, Troy Newton, Mike Cox

**1:15-3:00 p.m., AAAE Committee Meetings -**

Communications – *Chair:* David Lawver - **Westin Presidio**

Program Improvement – *Chair:* Susie Whittington - **Westin Sierra**

Professional Development – *Chair:* Ed Osborne – **Westin Plaza A**

Research – *Chair:* Greg Miller – **Westin Plaza B**

Graduate Student Session – *Chair:* Bryan Garton – **Westin Santa Fe**

**1:15-3:00 p.m., NAAE and NASAE Business Meetings – Center 5A**

*Chair:* NAAE – Mike Cox

*Facilitator:* Paul Jaure

*Chair:* NASAE – Troy Newton

*Facilitator:* Marshall Stewart

**3:15-5:00 p.m., AAAE Business Meeting – Westin Harbor**

*Chair:* Michael Swan

*Facilitators:* Jim Flowers, Carol Conroy, Robert Martin, Jacquelyn Deeds, Gary Straquadine, Rob Terry, Tim Murphy, Gary Moore

**SATURDAY, DECEMBER 9, 2000**

**AGRICULTURAL EDUCATION**

**10:15-Noon, AAAE Business Meeting – Center 9**

*Chair:* Michael Swan

*Facilitators:* Jim Flowers, Carol Conroy, Robert Martin, Jacquelyn Deeds, Gary Straquadine, Rob Terry, Tim Murphy, Gary Moore

**10:15-Noon, NAAE and NASAE Issues and Trends in Agricultural Education – Center 17A**

*Chair:* Mike Cox, Troy Newton

*Facilitator:* Paul Jaure

*Presenters:* Rosco Vaughn, Carol Conroy and Anna Melodia

*Description:* Presentations followed by a question and answer session on three topics of concern to agricultural educators.

Topic 1: Creating Agricultural Education Centers of Excellence

Topic 2: Reinventing Teacher Education: New Standards for Preparing Agriculture Teachers

Topic 3: Addressing the Teacher Shortage Problem

**Noon-1:15 p.m., The Ohio State University Alumni Luncheon (by invitation only)**

*Chair:* N. L. McCaslin

*Hosts:* Jim Knight, Jack Elliott

**1:15-3:00 p.m., AAAE Executive Committee Meeting – Center 17B**

*Chair:* Jim Flowers

*Facilitators:* Carol Conroy, Robert Martin, Jacquelyn Deeds, Gary Straquadine, Newly Elected Officers

**1:15-5:00 p.m., Ag Ed Division Business & Industry Tour**

*Chair:* Chuck Miller

*Facilitators:* Michael Swan, Jim Flowers, Buddy Deimler, Troy Newton, Mike Cox, Paul Jaure

*Toro Hostess:* Michele Baird

*Description:* Tour of the Toro Agricultural Irrigation Plant located about 15 minutes from downtown San Diego. The plant provides drip irrigation technology and products for vegetables, melons, vineyards and various row crops.

**3:15-5:00 p.m.,**

**National Board Certification: The Ultimate Credential for Career-Technical Teachers**

*Presenter:* Charlotte Coomer, Assistant Director, Career-Technical and Adult Education, Columbus, OH

*Description:* Participants in this session will learn about the National Teaching Standards for Career-Technical education teachers. Participants will learn specifics about the certification process, assessment center exercises, scoring of submissions, support networks, benefits of national certification and portfolio development. Lessons learned since 1994 will also be shared.