51st Annual Conference of the North American Colleges and Teachers of Agriculture

“Experiential and Student-Centered Learning”

June 15–17, 2005
Shisler Conference Center
The Ohio State University Agricultural Technical Institute
Tuesday, June 14, 2005

3:00 - 5:00 p.m. Early Registration – Basford Room, Shisler Center

Wednesday, June 15, 2005

7:00 a.m. - 5 p.m. Registration – Basford Room, Shisler Center

7:15 a.m. Van DEPARTS the lobby of the Hilton Garden Hotel for golf outing for those who pre-registered for golfing.


7:30 - 9:00 a.m. Set up posters – Fisher Auditorium Stage (posters will be displayed throughout the conference)

8:00 - 11:30 a.m. Executive Meetings – Garrett Room

12:00 - 2:30 p.m. Welcome Luncheon and Keynote Address – Shisler Ballroom. Wear your school polos!
Keynote Address: Dr. Luz Mangurian, Towson University
“Where the Neurosciences and Pedagogy Intersect in Support of Student Learning”

2:30 - 3:00 p.m. Break - Visit Poster Sessions (no hosts) and Book Auction. Posters are located on the Fisher Auditorium Stage. Bookstore is located in the Buehler Room. Poster titles/authors are listed in the abstract book.
3:00 - 4:00 p.m. The "Dean's Series" Choose one from the following (repeated):
Dr. L.H. Newcomb, Senior Associate Dean, The Ohio State University – Smucker Room
"Making Learning More Student-Centered"
Dr. Barbara Malpiedi Kirby, Assistant Dean, North Carolina State University – Frick Room
"Involving Undergraduates in our Research Programs"
Dr. Kirby Barrick, Associate Dean, University of Illinois – Yenne Room
"Advancing Leadership Development for All Students"

4:00 - 4:15 p.m. Break

4:15 - 5:15 p.m. The "Dean's Series" Choose one from the following:
Dr. L.H. Newcomb, Senior Associate Dean, The Ohio State University – Smucker Room
"Making Learning More Student-Centered"
Dr. Barbara Malpiedi Kirby, Assistant Dean, North Carolina State University – Frick Room
"Involving Undergraduates in our Research Programs"
Dr. Kirby Barrick, Associate Dean, University of Illinois – Yenne Room
"Advancing Leadership Development for All Students"

5:15 - 7:00 p.m. Taste of Ohio Welcome Reception & Tailgate – Rubbermaid Courtyard (rain location, Shisler Ballroom). Wear your school polos!
6:45 p.m. Board bus for *Trumpet in the Land* outdoor drama (those who purchased tickets during advanced registration). Front entrance of Shisler Center.

**Thursday, June 16, 2005**

7:00 a.m. - Noon **Registration** – Basford Room, Shisler Center

7:30 - 8:00 a.m. **Newcomers Orientation** – Smucker Room. Dr. Linda Martin, Host

8:00 - 9:30 a.m. **Poster Session** – Fisher Auditorium Stage. (Posters staffed by presenters). Poster titles/authors are listed in the abstract book.

9:00 - 5:00 **Companion Tour** (Holmes County). Board van at front entrance of Shisler Center

9:30 - 10:45 a.m. **Blue Ribbon Presentation** – Shisler Ballroom  
Dr. Gary Moore, North Carolina State University  
"Using Humor in the Classroom"

10:45 - 11:00 a.m. **Break**

11:00 - 12: noon **NACTA Committee Meetings** – Designated round tables in Shisler Ballroom

12:00 - 12:15 p.m. **Pick up Box Lunches** – Outside Shisler Ballroom

12:15 - 6:00 p.m. **Tours** – Board busses at front entrance of Shisler Center

6:00 - 9:00 p.m. **BBQ** - ATI Gardens (rain location, Shisler Ballroom)  
Tours of ATI facilities as requested
Friday, June 17, 2005

7:00 a.m. - Noon  Registration – Basford Room, Shisler Center

8:00 - 9:00 a.m.  NACTA Committee Meetings – Designated round tables in Shisler Ballroom

9:00 - 5:00  Companion Tour (Wayne County) – Board van at front entrance to Shisler Center

9:00 - 10:15 a.m.  25-min. Concurrent Sessions (A) Oral presentation titles/authors are listed on pp. 6-8.
Rooms:
• Fisher
• Frick
• Smucker
• Yenne

10:15 - 10:30 a.m.  Break

10:30 - 11:45 a.m.  25-min. Concurrent Sessions (B) Oral presentation titles/authors are listed on pp. 9-11.
Rooms:
• Fisher
• Frick
• Smucker
• Yenne

12:00 - 1:00 p.m.  Luncheon – Shisler Ballroom
Mr. David Kline, “On Amish Culture and Agriculture”
1:00 - 1:15 p.m.  Break

1:15 - 3:00 p.m.  25-min. Concurrent Sessions (C)
Oral presentation titles/authors
are listed on pp. 12-15.
Rooms:
• Fisher
• Frick
• Smucker
• Yenne

3:00 - 3:15 p.m.  Break

3:15 - 4:45 p.m.  Business Meeting – Shisler
Ballroom. Open to EVERYONE
and important for all members.

4:45 - 5:00 p.m.  Ohio Products Distributed –
Outside of Shisler Ballroom

5:00 - 6:00 p.m.  Break – take down posters

6:00 - 6:30 p.m.  Reception – Rubbermaid
Courtyard (rain location, outside
of Shisler Ballroom)

6:30 - 9:00 p.m.  Awards Banquet – Shisler
Ballroom

Saturday, June 18, 2005

8:00 - 11:00 a.m.  NACTA Executive Meeting –
Garrett Room
Concurrent Sessions
Friday, June 17, 2005

Session A: 9:00-9:25 a.m.

**Fisher Conference Room**
The Poetry of Agricultural Engineers
Julie A. Graf, Ann D. Christy
The Ohio State University, Columbus

**Frick Room 110**
The Global Seminar Project - Experiential Learning in an International Context
Dennis W. Duncan¹, Pavli Mykerizi²
¹University of Georgia, Athens
²Virginia Tech, Blacksburg

**Smucker Room 116**
The Agriculture and Food Systems Experiential Learning Community
Leverne Barrett, Dennis Brink
University Of Nebraska, Lincoln

**Yenne Room 159**
Learning Style and Personality Type Preferences of Non-Formal Educators
Jamie Cano, Gregory Davis
The Ohio State University, Columbus
Session A: 9:25-9:50 a.m.

**Fisher Conference Room**  
Affecting Writing in a College of Agriculture and Natural Resources via University General Education: A Faculty Perspective.  
J. Hattey*  
Oklahoma State University, Stillwater

**Frick Room 110**  
The Relationship Between Students' Expectations and Their Success in an Equine Internship Program  
L. A. Janecka*  
Kentucky Equine Management Internship Program, Lexington

**Smucker Room 116**  
Leadership Development Through the Challenge of Experience  
Cindy S. Blackwell*  
Oklahoma State University, Stillwater

**Yenne Room 159**  
Teaching Techniques Used in College of Agriculture Classrooms  
J. C. Ewing, M. S. Whittington  
The Ohio State University, Columbus
Concurrent Sessions
Friday, June 17, 2005
Session A: 9:50-10:15 a.m.

Fisher Conference Room
Innovative Uses of Course Management Software to Promote Student-Centered Learning
D. Layfield,* B. Bolt, K. Vernon
Clemson University, Clemson, SC

Frick Room 110
Fostering Communication Skills in a Turfgrass Management Class
Z. Jiang*
State University of New York, Cobleskill

Smucker Room 116
Elementary Teachers' Attitudes Toward Using Agriculture as a Context for Teaching
K. A. Bellah,* J. E. Dyer
University of Florida, Gainesville

Yenne Room 159
Criteria Relevant to Student Learning
M. E. Headings*
Ohio State ATI, Wooster
Session B: 10:30-10:55 a.m.

**Fisher Conference Room**
An Approach to Contextualized Teaching of Introductory Chemistry
Olivier Marcq*
Ohio State ATI, Wooster

**Frick Room 110**
Analysis of Virtual and Traditional Teaching Assistants Used in Introductory to Animal Science Courses
Mickey A. Latour, M. Ley, K. Orvis
Purdue University, West Lafayette, IN

**Smucker Room 116**
Evolution of an Agricultural Experiment Station into a Center for Experiential Learning
University of Tennessee at Martin

**Yenne Room 159**
Using Electronic Mail to Promote Critical Thinking Skill Acquisition in a University Course
D. Jones,* C. Barfield, R. Rudd
University of Florida, Gainesville
Concurrent Sessions
Friday, June 17, 2005
Session B: 10:55 - 11:20 a.m.

Fisher Conference Room
First-Year Experiences for the 2004 Governor's
School for the Agricultural Sciences
J. E. Mehlhorn, T. N. Burcham,* J. Gresham
University of Tennessee at Martin

Frick Room 110
Taking it on the Road: an Innovative Approach to
Internships at Kansas State University
D. J. Minihan,* G. L. Posler, M. D. Ransom
Kansas State University, Manhattan

Smucker Room 116
Integration of Service-Learning in Animal Science
Curriculum at the University of Minnesota,
Crookston
H. A. Maiga,* L. E. Westrom*
University of Minnesota, Crookston

Yenne Room 159
Problem-Based Learning to Develop Critical
Thinking, Leadership, and Group Skills
D. Needham*
Oklahoma State University, Stillwater
Session B: 11:20-11:45 a.m.

Fisher Conference Room
Pedagogics of Incorporating Systems Thinking Leadership Principles into an Animal Science Growth Course
D. R. Mulvaney, H. N. Kelly
Auburn University, Auburn, AL

Frick Room 110
Service-Learning Projects in the Animal Sciences Develop Leadership Skills
L. D. Moody, D. R. Brink,* B. S. VanDeWalle
University of Nebraska, Lincoln

Smucker Room 116
Experiential Learning in a Landscape Design Studio
A. Spafford*
North Carolina State University, Raleigh

Yenne Room 159
Assessing the Benefits and Costs of Extra- and Co-Curricular Activities for Undergraduate Students in Agricultural Economics
D. Reaves1,* R. Hinson2*
1Virginia Tech, Blacksburg
2Louisiana State University, Baton Rouge
Concurrent Sessions
Friday, June 17, 2005
Session C: 1:15-1:40 p.m.

Fisher Conference Room
Involving Undergraduate Students in Agronomic Solutions for Urban Wastes
David Munn*
Ohio State ATI, Wooster

Frick Room 110
Facilitating Student-Centered Learning in an International Teaching Environment
Rama Radhakrishna*
Penn State University, University Park

Smucker Room 116
Emerging Educational and Agricultural Trends
R. Stewart,* G. Moore, J. Flowers
North Carolina State University, Raleigh

Yenne Room 159
“Do We Have to Work in Teams?!?”
Shelly Sitton, Danna Kelemen
Oklahoma State University, Stillwater
Session C: 1:40-2:05 p.m.

**Fisher Conference Room**
Student Portfolios in Agricultural and Construction Systems Management Courses
M. Owens¹,* A. Christy¹, M. Lima², E. Alocilja³
¹The Ohio State University, Columbus
²Louisiana State University, Baton Rouge
³Michigan State University, East Lansing

**Frick Room 110**
Evaluation of the Effect of Multi-Site Distance Education on Knowledge Gained in a Plant Propagation Course
T. Irani¹,* G. Roberts², S. Wilson³, E. Rhoades¹*
¹University of Florida, Gainesville
²Texas A&M, College Station
³University of Florida, Fort Pierce

**Smucker Room 116**
Photography as an Experiential Learning Exercise in a University Core Course, "Agriculture, the Arts, and Society"
C. M. Wood*
Virginia Tech, Blacksburg

**Yenne Room 159**
Developing Case Studies in Horticulture
A. M. VanDerZanden,* C. Haynes
Iowa State University, Ames
Concurrent Sessions
Friday, June 17, 2005
Session C: 2:05-2:30 p.m.

Fisher Conference Room
Summer Agriculture Institute - Assessing the Impacts
K. Bacon\textsuperscript{1}, R. Anderson\textsuperscript{1}, L. Watkins\textsuperscript{2}
\textsuperscript{1}Western Illinois University, Macomb
\textsuperscript{2}Central Missouri State University, Warrensburg

Frick Room 110
International Agriculture Education and Engagement Courses with Web-Based Curriculum
M. Russell,\textsuperscript{*} P. Morris, M. Marshall, J. Peters,
K. Selby, T. Benjamin, B. Hoover
Purdue University, West Lafayette, IN

Smucker Room 116
Grounding New Dimensions in Experiential Education: A Model That Merits Consideration for the 21st Century
K. Zarafshani\textsuperscript{1}, G. H. Zamani\textsuperscript{2*}
\textsuperscript{1}Razi University, Kermanshah, Iran
\textsuperscript{2}Shiraz University, Shiraz, Iran

Yenne Room 159
Making Biochemistry Student Centered
Bonnie S. Walters\textsuperscript{*}
University of Wisconsin, River Falls
Session C: 2:30-2:55 p.m.

Fisher Conference Room
Youth Livestock Environmental Assurance
J. Rausch,* S. Boyles, W. Budke
The Ohio State University, Columbus

Frick Room 110
Examining Teacher Burnout and Coping Mechanisms
J. Chenevey, M. S. Whittington
The Ohio State University, Columbus

Smucker Room 116
The Virtual Presentation - It Takes a Team
James E. Tew*
The Ohio State University, Wooster

Yenne Room 159
An Assessment of Group Exercise Effectiveness
Joseph F. Donnermeyer, Shauna Sowga,
Christopher Owens
The Ohio State University, Columbus
Keynote Speaker

Dr. Luz Mangurian, Towson University

Luz P. Mangurian, Ph.D.
Professor of Biology at Towson University, obtained her B.S. in Biology from the University of Pittsburgh, her M.S. in Biology from The American University and her Ph.D. in Biology from The George Washington University. Her post-doctoral work was done in the Anatomy Department of The George Washington University Medical School, where she is currently an Adjunct Associate Research Professor. She is also an Affiliate Professor of the Women Studies Program and the Center for Science and Mathematics Education at Towson University.

Dr. Mangurian is now the Director of The Alliance for Applied Cognition and Teaching and Director of Faculty Development at Towson University. Mangurian's research uses neuroanatomical methods to investigate the role of prolactin and other lactogenic hormones in modulating maternal behavior. Her publications include numerous articles and peer-reviewed presentations in anatomy, neuroendocrinology, science pedagogy, and two Spanish-language textbooks on human anatomy, one of them on its 16th edition. She has taught Human Anatomy and Physiology, Histology, Embryology, Molecular Mechanisms of Development, Biology of Women and, Using Information Effectively in Science.

Dr. Mangurian has organized several conferences on teaching/learning for college and university faculty, given several teaching/learning workshops and serves on the editorial board of the Journal of Excellence in College Teaching.
Blue Ribbon Presentation

Dr. Gary Moore, North Carolina State University

Gary Moore is a Professor of Agriculture and Extension Education at North Carolina State University where he is a member of the Academy of Outstanding Teachers. He is a NACTA Teaching Fellow and received the Ensminger-Interstate Distinguished Teacher Award in 1996. He is also a Fellow in the American Association for Agricultural Education and received their Russell Guin Award in 2003. This past year he has been one of 12 “exemplary teachers” studied by researchers at the University of Illinois as part of a USDA sponsored project on teaching excellence.

Dr. Moore has published 113 journal articles and presented 129 papers at professional conferences. He has also authored three textbooks. His research interests focus on teaching effectiveness and the historical and philosophical foundations of agriculture and extension education. He is currently researching the use of hand held electronic responder devices in the classroom. He is also deeply involved in several distance education efforts.

Gary received a B.S. in Agriculture Education at Tarleton State University in Texas and a M.S. and Ph.D. in Agriculture Education at The Ohio State University.
2005 NACTA Conference Planning Committee

Shirley Badger
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