

September 8, 2012

K. DALE LAYFIELD

**Associate Professor of Agricultural Education
Clemson University
122 Long Hall
Clemson, SC 29634
864-656-5676**

EDUCATION

Ph.D., The Pennsylvania State University, 1998, Agricultural Education (Minor in Distance Ed.)

M. Ag., University of Florida, 1994, Agricultural Education

B.S., The University of Florida, 1989, Agricultural Education

PROFESSIONAL EXPERIENCE

- 2008 – present** Associate Professor and College Coordinator of Distance Education, Department of Biological Sciences and The College of Agriculture, Forestry and Life Sciences, Clemson University, Clemson, South Carolina. Assist faculty in the development of online courses and programs. Provide recommendations for pedagogical approaches and specific educational technologies to maximize effectiveness and interactivity in online delivery programs. Service responsibilities include development of department/program participation in the Agricultural Interactive Distance Education Alliance (AG*IDEA)
- 1999 – 2008** Assistant Professor, Department of Biological Sciences, Clemson University, Clemson, South Carolina. Teach graduate and undergraduate classes. Provide leadership within the college in distance education media and methods. Service responsibilities include departmental and state duties.
- 1998 – 1999** Temporary Assistant Professor of Agricultural Education, Agricultural Education and Studies, Iowa State University, Ames, Iowa. Teach graduate and undergraduate classes. Supervise student teachers. Academic advisor of undergraduate agricultural education students. Co-Leader of the Ag Advantage recruitment program and Advisor of Alpha Tau Alpha. Service responsibilities include departmental and state duties.
- 1997 – 1998** Project Associate, The Center for Professional Personnel Development in Agricultural Education, The Pennsylvania State University. Responsibilities included undergraduate and graduate education; serving as the advisor for Collegiate FFA and Alpha Tau Alpha; coordinating workshop/in-service offerings; and facilitating distance education and Internet technology usage with secondary agriculture teachers.

PROFESSIONAL EXPERIENCE (CONTINUED)

- 1994 – 1997** Graduate Teaching Assistant, The Center for Professional Personnel Development in Agricultural Education, The Pennsylvania State University. Responsibilities included undergraduate education; serving as the advisor for Collegiate FFA and Alpha Tau Alpha; coordinating workshop/in-service offerings; and facilitating distance education and Internet technology usage with secondary agriculture teachers. Supervised student teachers.
- 1989 – 1994** Agriculture Teacher, Suwannee County, Florida. 1989-1994. Provided agricultural education to 85 students at Branford High School, Suwannee County, Florida. Duties included supervising and advising students on their Supervised Agricultural Experience Programs and serving as FFA advisor.

PROFESSIONAL AND ACADEMIC MEMBERSHIPS

- ◆ Member, American Association for Agricultural Education, AAAE, 1994-
- ◆ Member, North American Colleges and Teachers of Agriculture, NACTA, 1994-
- ◆ Member, Council for Agricultural Science and Technology, CAST, 2006-2009
- ◆ Member, Agricultural Communicators in Education, ACE, 2002-2003
- ◆ Member, Association for International Agricultural & Extension Education, AIAEE, 2005-2006
- ◆ Pennsylvania Vocational Agriculture Teachers' Association, 1994 – 1998
- ◆ Florida Vocational Agriculture Teachers' Association, 1988 – 1994
- ◆ Florida Vocational Association, 1989 – 1994
- ◆ Gamma Sigma Delta Honorary Graduate Fraternity
- ◆ Alpha Tau Alpha Honorary, Professional Agricultural Education Fraternity
- ◆ Phi Delta Kappa Honorary, Professional Education Fraternity
- ◆ Omicron Tau Theta Honor Society in Vocational Education

AWARDS, HONORS AND RECOGNITION

- ◆ Honorary Professor Degree, Moscow State Agroengineering University, 2011
- ◆ NACTA Teacher Fellow Award, North American Colleges and Teachers of Agriculture, 2006
- ◆ Commendation of Excellence for Service Learning, The South Carolina Commission on Higher Education, 2002
- ◆ Evans Family Lecture Series winner, Agricultural Education Research category, The Pennsylvania State University, 1999
- ◆ Outstanding Electronic Publication Award, Eastern Region Research Conference, 1999
- ◆ Outstanding Publication Award, Eastern Region Research Conference, 1998
- ◆ State Rookie Teacher of the Year, Florida Vocational Association, 1990
- ◆ State Agriscience Teacher of the Year, Florida FFA, 1993
- ◆ State Outstanding Young Member, FVATA, 1992, 1993
- ◆ State Farmer Degree, Florida FFA Association

GRADUATE STUDENT ADVISING

A. Current Graduate Advising

- ◆ Elmehdawi, Abubaker, (Ph.D., Animal & Veterinary Sciences), Committee Member, Dissertation Topic – TBA,” Expected graduation, May, 2013
- ◆ Beecher, Paula, (Master’s in Agricultural Education – non-thesis option), Committee Member
- ◆ Bunch-Franklin, Karen, (Master’s in Agricultural Education – non-thesis option), Committee Member
- ◆ Hilton, William J., (Master’s in Agricultural Education – non-thesis option), Committee Member
- ◆ Leard, Christina, M., (Master’s in Agricultural Education – non-thesis option), Committee Member
- ◆ Priester, Waylon H., (Master’s in Agricultural Education – non-thesis option), Committee Member

B. Past Graduate Advising

- ◆ Baston, George Randall, (Ed.D., Career and Technology Education), Committee Member, “Assessment of Readiness to Participate in Distance Learning of the Certified Florida Behavioral Workforce,” Graduated August, 2011
- ◆ Bolt, Brian, (Ph.D., Animal & Veterinary Sciences with an emphasis in education), Committee Chair, Dissertation Title – “Measuring the Impact of Varied Instructional Approaches in an Introductory Animal Science,” Graduated December, 2009
- ◆ White (Morgan), Laura, (Ph.D., Animal & Veterinary Sciences with an emphasis in education), Committee Chair, Dissertation Title – “An Assessment of Cognitive Level of Instruction Presented in Animal Science Courses and the Impact on Development of Cognition in Undergraduates,” Graduated August, 2009
- ◆ Burns, Cameron L., (Masters in Agricultural Education – non-thesis option), Committee Member, Graduated May, 2012

COURSES TAUGHT AT CLEMSON UNIVERSITY

- ◆ AG ED 415/615, Leadership of Volunteers
 - ◆ AG ED 403/603, Principles of Adult/Extension Education
 - ◆ AG ED 750, iPad for Ag Educators
 - ◆ BIOSC 496, Communication Methods and Media (taught in Moscow, Russia)
 - ◆ BIOSC 481/681, Web Design for the Life Sciences and Agriculture
 - ◆ HRD 860, Instructional Materials Development
 - ◆ BIOSC 730, Enhancing Instruction through Digital Imaging
 - ◆ THRD 680, Educational Applications of Microcomputers
 - ◆ AG ED 200, Agricultural Applications of Microcomputers
 - ◆ ENT 305, Presentation of Scientific Information (co-taught)
 - ◆ ENT 810, Communicating Your Research (co-taught)
 - ◆ AG ED 801, Systems for Technology Transfer
 - ◆ AG ED 812, Development of Supervised Agricultural Experience Programs
 - ◆ AG ED 750, Applications of Digital Media in Agricultural Education
 - ◆ AG ED 480/680, Educational Applications of Microcomputers
 - ◆ AG ED 428, Special Studies in Agricultural Education
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COURSES TAUGHT AT CLEMSON UNIVERSITY (CONTINUED)

- ◆ AG ED 406, Directed Teaching
- ◆ AG ED 415/615, Leadership of Volunteers
- ◆ AG ED 403/603, Principles of Adult/Extension Education

COURSES TAUGHT FOR NORTH CAROLINA STATE UNIVERSITY

- ◆ AEE 595C, Information Technology and Time Enhanced Learning in Agricultural and Extension Education

COURSES TAUGHT AT IOWA STATE UNIVERSITY

- ◆ AES 215, Career Seminar in Agriculture
- ◆ AES 290, Special Problems in Agricultural Education and Studies
- ◆ AES 315, Leadership Programs in Agriculture
- ◆ AES 412, Internship in Agricultural Education and Studies
- ◆ AES 490, Independent Study in Agricultural Education and Studies
- ◆ AES 560, The Role of Agricultural Education and Extension in Technology Transfer

COURSES TAUGHT AT THE PENNSYLVANIA STATE UNIVERSITY

- ◆ AG ED 597E, Using Technology in Vocational Education
- ◆ AG ED 311, Coordinating SAE, FFA, YFA and other Youth Organizations

COURSES CO-TAUGHT AT THE PENNSYLVANIA STATE UNIVERSITY

- ◆ AG ED 590 – Colloquium (Technology in Agricultural & Extension Education)
- ◆ AG ED 418 – Managing Laboratory Resources, Facilities and Equipment in the Agricultural Education Department

PUBLICATIONS

A. Refereed Journal Articles

1. White, L.M., K.D. Layfield, G. Birrenkott, P. Skewes, M. Beck. (2012). Appraisal of critical thinking skills in animal science undergraduates who participated on a nationally competitive collegiate judging team. North American Colleges and Teachers of Agriculture Journal, 56 (1), 43-47.
2. Layfield, K.D. (2004). The impact of service learning: A quasi-experimental assessment of student performance in an introductory microcomputer course. Journal of Southern Agricultural Education Research, 54 (1), 134-146.

A. Refereed Journal Articles (continued)

3. Layfield, K.D. & S. Flagg. (2004). Impact of intergenerational service learning on students' stereotypes toward older people in an introductory agricultural computing course. Journal of Southern Agricultural Education Research, 54 (1), 147-155.
4. Layfield, K.D. & T.R. Dobbins. (2002). Inservice needs and perceived competencies of South Carolina agricultural educators. Journal of Agricultural Education, 43 (4), 47-56.
5. Layfield, K.D., N.O. Nti, & A.J. Turgeon. (2000). Student perceptions toward case-based instruction delivered via the World Wide Web. Journal of Southern Agricultural Education Research, 50 (1), 63-68.
6. Layfield, K.D., R.B. Radhakrishna, & R.A. Andreasen. (2000). Self-perceived leadership skills of students in a leadership programs in agriculture course. Journal of Southern Agricultural Education Research, 50 (1), 56-62.
7. Layfield, K.D., Radhakrishna, R.B., & D.C. Scanlon. (2000). An assessment of Pennsylvania secondary agriculture teachers' perceptions of and use of the Internet. Journal of Southern Agricultural Education Research, 50 (1), 48-55.

B. Refereed Research Papers

1. Sparace, S.A., Layfield, K.D., & J.R. Cummings. (2004). Students' perceptions toward science and agriculture. Proceedings of the 31st Annual National Agricultural Education Research Conference. St. Louis, MO.
2. Layfield, K.D. (2003). Fostering leadership among graduate students through shared instruction in a digital environment. North American Colleges and Teachers of Agriculture. San Luis Obispo, California.
3. Layfield, K.D., Minor, V.C. & J.A. Waldvogel. (2001). Integrating science into agricultural education. Proceedings of the 28th Annual National Agricultural Education Research Conference. New Orleans, LA.
4. Layfield, K.D. (2000). A "Byte" of the future: Computerized service learning. National Association of Colleges and Teachers of Agriculture. Doylestown, PA.
5. Layfield, K.D. & T.R. Dobbins. (2000). An assessment of South Carolina agriculture teachers' inservice needs and perceived competencies. Proceedings of the 27th Annual National Agricultural Education Research Conference. San Diego, CA.
6. Layfield, K.D., & D.C. Scanlon. (1999). Agriculture teachers use of the Internet: Facilitating factors. Proceedings of the 3rd Annual Evans Family Lecture Series. State College, Pennsylvania.
7. Layfield, K.D., & D.C. Scanlon. (1999). Agriculture teachers' use of the Internet: Facilitating factors. Proceedings of the 53rd Annual Central States Regional Research Conference. St. Louis, Missouri.
8. Layfield, K.D., & D.C. Scanlon. (1998). Factors encouraging use of the Internet by secondary agriculture teachers: A national perspective. Proceedings of the 51st Annual Eastern Region Research Meeting. Norwich, Connecticut.

B. Refereed Research Papers (continued)

9. Layfield, K.D., N.O. Nti, & A.J. Turgeon. (1997). Assessment of a turfgrass course delivered through the world wide web and interactive video using focus group research. National Association of Colleges and Teachers of Agriculture. Ames, Iowa.
10. Layfield, K.D., N.O. Nti, & R.B. Radhakrishna. (1997). Communication technologies for international agricultural and extension education: Challenges and opportunities. National Conference of the Association for International Agricultural & Extension Education. Alexandria, Virginia.
11. Nti, N.O., K.D. Layfield, & R.B. Radhakrishna. (1997). Linking learners with communication technologies: What international agricultural and extension educators can do? National Conference of the Association for International Agricultural & Extension Education. Alexandria, Virginia.
12. Conroy, C.A., K.D. Layfield, & W. Hicks. (1996). Resolving the conflict: Using distance education to meet the needs of individual teachers through cost-effective programming. Proceedings of the 49th Annual Eastern Region Research Meeting. Fredricksburg, Virginia.
13. Bruening, T.H., R.B. Radhakrishna, D.C. Scanlon, & K.D. Layfield. (1995). New directions in agricultural education: The impact in public schools. OTT National Research Meeting. Denver, Colorado.

C. Non-Refereed Publications/Articles

1. Layfield, K.D. (2005, Spring). Breeze Live Tools Open Doors to Online Training of Technical Skills. Faculty Directions (Newsletter for collaborative learning and computing at Clemson University).
2. Layfield, K.D. (2004). ETS Pilot Program Makes Interactive Distance Education a "Breeze". Computing@Clemson.edu (a newsletter of the division of computing and information technology at Clemson University).
3. Sparace, S.A., Cummings, J.R., Dobbins, T.R., Minor, V.C., Layfield, K.D. and Waldvogel, J.A. (2004). Agriscience Reform in Agricultural Education at Clemson University. Annual Meetings of the American Society of Plant Biologists, Abstract no. 941.
4. Layfield, K.D., & Sparace, S.A. (2003). Opportunities in Research: SAEs and FFA Agriscience Activities. The Agricultural Education Magazine, 75(6), 26-27.
5. Sparace, S.A., & Layfield, K.D. (2003). Embracing the Role of Science in Agriculture. The Agricultural Education Magazine, 76(1), 24-25.
6. Layfield, K.D. (2001, Spring). MyCLE serves major role in intergenerational service learning. Faculty Directions (Newsletter for collaborative learning and computing at Clemson University). Available at: <http://cle.clemson.edu/newsletter/art6.htm>
7. Layfield, K.D. (2001). Intergenerational Service Learning: Bridging the gap between two golden ages. The Agricultural Education Magazine, 74(1), 18-19.
8. Layfield, K.D. & Atkins, D. (2001). The Reporter. The Department of Biology Instruction and Agricultural Education Publication. Clemson University.

C. Non-Refereed Publications/Articles (continued)

9. Knobloch, N.A., & Layfield, K.D. (1999). Fast changing times create opportunities, The Agricultural Education Magazine, 71(4), 12-13, 17.
10. Layfield, K.D., Knobloch, N.A. & Davis, C. (1999). Teaching elementary students in fast changing times. The Agricultural Education Magazine, 71(4), 10-11.
11. Layfield, K.D., & Bruening, T.H. (1997, 1998). Briefs to Ag Educators. Department of Agricultural & Extension Education Publication. The Pennsylvania State University.
12. Layfield, K.D. (1996-97). Monthly Internet updates for Briefs to Ag Educators. Department of Agricultural & Extension Education Publication. The Pennsylvania State University.
13. Layfield, K.D., & Moran, M.C. (1997). Professional development for student teachers: Washington, D.C. style, The Agricultural Education Magazine, 70(2), 22-23.
14. Layfield, K.D., & B.E. Bowen. (1995). Getting a license to drive on the information superhighway, The Agricultural Education Magazine, 67(11), 5-7, 17.

D. Books and Monographs

1. Layfield, K.D. & Berger, B. (2006). Legal Issues and Instructional Materials Development. In P. Greene, C. Mobley, C. Paul, J.A. Waldvogel, L. Wright, & A Young (Eds.). Teaching and Learning Creatively (pp. 92-93). Indiana: Parlor Press.

PRESENTATIONS

A. Presentations of Refereed Research Papers

1. Friedel, C.R., Layfield, K.D., & Malashenkov, K.A. (2010). A Russian Agricultural Students' Critical Thinking Disposition and Moral Intensity: Is there a Relationship? 2010 Annual Conference of The Association for International Agricultural and Extension Education (AIAEE). Saskatoon, CA.
2. Layfield, K.D. (2004). The impact of service learning: A quasi-experimental assessment of student performance in an introductory microcomputer course. 54th Southern Agricultural Education Research Conference. Tulsa, OK.
3. Layfield, K.D. & S. Flagg. (2004). Impact of intergenerational service learning on students' stereotypes toward older people in an introductory agricultural computing course. 54th Southern Agricultural Education Research Conference. Tulsa, OK.
4. Layfield, K.D., Minor, V.C., & Waldvogel, J.A. (December 12, 2001). Integrating science into agricultural education. 28th Annual National Agricultural Education Research Conference. New Orleans, LA.
5. Layfield, K.D. (June 19, 2000). A "Byte" of the future: Computerized service learning. National Association of Colleges and Teachers of Agriculture. Doylestown, PA.

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9. Knobloch, N.A., & Layfield, K.D. (1999). Fast changing times create opportunities, The Agricultural Education Magazine, 71(4), 12-13, 17.
10. Layfield, K.D., Knobloch, N.A. & Davis, C. (1999). Teaching elementary students in fast changing times. The Agricultural Education Magazine, 71(4), 10-11.
11. Layfield, K.D., & Bruening, T.H. (1997, 1998). Briefs to Ag Educators. Department of Agricultural & Extension Education Publication. The Pennsylvania State University.
12. Layfield, K.D. (1996-97). Monthly Internet updates for Briefs to Ag Educators. Department of Agricultural & Extension Education Publication. The Pennsylvania State University.
13. Layfield, K.D., & Moran, M.C. (1997). Professional development for student teachers: Washington, D.C. style, The Agricultural Education Magazine, 70(2), 22-23.
14. Layfield, K.D., & B.E. Bowen. (1995). Getting a license to drive on the information superhighway, The Agricultural Education Magazine, 67(11), 5-7, 17.

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1. Friedel, C.R., Layfield, K.D., & Malashenkov, K.A. (2010). A Russian Agricultural Students' Critical Thinking Disposition and Moral Intensity: Is there a Relationship? 2010 Annual Conference of The Association for International Agricultural and Extension Education (AIAEE). Saskatoon, CA.
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3. Layfield, K.D. & S. Flagg. (2004). Impact of intergenerational service learning on students' stereotypes toward older people in an introductory agricultural computing course. 54th Southern Agricultural Education Research Conference. Tulsa, OK.
4. Layfield, K.D., Minor, V.C., & Waldvogel, J.A. (December 12, 2001). Integrating science into agricultural education. 28th Annual National Agricultural Education Research Conference. New Orleans, LA.
5. Layfield, K.D. (June 19, 2000). A "Byte" of the future: Computerized service learning. National Association of Colleges and Teachers of Agriculture. Doylestown, PA.

A. Presentations of Refereed Research Papers (continued)

6. Layfield, K.D., Nti, N.O., & Turgeon, A.J. (February 1, 2000). Student perceptions toward case-based instruction delivered via the World Wide Web. 50th Southern Agricultural Education Research Conference. Lexington, KY.
7. Layfield, K.D., Radhakrishna, R.B., & Andreasen, R.A. (February 1, 2000). Self-perceived leadership skills of students in a leadership programs in agriculture course. 50th Annual Southern Agricultural Education Research Conference. Lexington, KY.
8. Layfield, K.D., Radhakrishna, R.B., & Scanlon, D.C. (January 31, 2000). An assessment of Pennsylvania secondary agriculture teachers' perceptions of and use of the Internet. 50th Annual Southern Agricultural Education Research Conference. Lexington, KY.
9. Layfield, K.D. & Dobbins, T.R. (December 6, 2000). An assessment of South Carolina agriculture teachers' inservice needs and perceived competencies. 27th Annual National Agricultural Education Research Conference. San Diego, CA.
10. Layfield, K.D., & Scanlon, D.C. (February 26, 1999). Agriculture teachers' use of the Internet: Facilitating factors. 53rd Annual Central States Regional Research Conference. St. Louis, MO.
11. Layfield, K.D., & Scanlon, D.C. (May 7, 1998). Factors encouraging use of the Internet by secondary agriculture teachers: A national perspective. 51st Annual Eastern Region Research Meeting. Norwich, CT.
12. Layfield, K.D., Nti, N.O., & Radhakrishna, R.B. (April 5, 1997). Communication technologies for international agricultural and extension education: Challenges and opportunities. National Conference of the Association for International Agricultural & Extension Education. Alexandria, VA.
13. Layfield, K.D., Nti, N.O., & Turgeon, A.J. (June 23, 1997). Assessment of a turfgrass course delivered through the World Wide Web and interactive video using focus group research. National Association of Colleges and Teachers of Agriculture Conference. Ames, IA.
14. Nti, N.O., K.D. Layfield, & Radhakrishna, R.B. (April 5, 1997). Linking learners with communication technologies: What international agricultural and extension educators can do? National Conference of the Association for International Agricultural & Extension Education. Alexandria, VA.
15. Conroy, C.A., Layfield, K.D., & Hicks, W. (May 9, 1996). Resolving the conflict: Using distance education to meet the needs of individual teachers through cost-effective programming. 49th Annual Eastern Region Research Meeting. Fredericksburg, VA.
16. Bruening, T.H., Radhakrishna, R.B., Scanlon, D.C. & Layfield, K.D. (December 2, 1995). New directions in agricultural education: The impact in public schools. Omicron Tau Theta National Research Meeting. Denver, CO.

B. Invited Meeting Presentations

1. Layfield, K.D. Enhancing Student Engagement through the Russian-American Study Abroad Program. Presentation given at the Clemson University Student Affairs/HEHD Summer Institute, June, 2012.

B. Invited Meeting Presentations (continued)

2. Layfield, K.D. Russia's Golden Ring. Presentation given to the Clemson Lions Club Meeting, April, 2012.
3. Layfield, K.D. An Overview of the Russian-American Study Abroad Program. Presentation given to the Clemson Lions Club Meeting, May, 2011.
4. Layfield, K.D. An Overview of the Russian-American Study Abroad Program. Presentation given to President Jim Barker and his Cabinet at the monthly President's Cabinet Meeting, March, 2011.
5. Layfield, K.D. Joining Wisdom and Youth One Byte at a Time through Intergenerational Service-learning. Presentation given to the Executive Board of the Institute for Engaged Aging, February, 2011.
6. Bolt, K.D. and Layfield, K.D. (2010). "The Use of an Audience Response System to Collect Real-Time Student Feedback," Presentation to be given at the 56th North American Colleges and Teachers of Agriculture (NACTA) Conference. State College, PA.
7. Layfield, K.D. (2010). "Opportunities and Tools for Interactive Online Learning in Environmental Horticulture," Seminar presented to the faculty of the Department of Environmental Horticulture, Clemson University.
8. White, L.M. and Layfield, K.D. (2009). "An Assessment of Student Perceptions to a Controversial Course in Animal Agriculture Taught Online," Presentation given at the 55th North American Colleges and Teachers of Agriculture (NACTA) Conference. Stillwater, OK.
9. Layfield, K.D. (2009). "Teaching with Technology," Presentation given to the 2009 Midlands Master Gardener Training Course, Columbia, SC (Delivered via Adobe Connect).
10. Layfield, K.D. (2008). "Using Online Tools to Enhance Presentations," Presentation given at the Annual South Carolina Master Gardener Conference, Greenville, SC.
11. Morgan, L. and Layfield, K.D. (2007). "Assessment of predictors of critical thinking ability in animal science undergraduates," Presentation given at the Joint Meeting of American Society of Animal Scientists. San Antonio, TX.
12. Layfield, K.D. (2007). "Web Tools: Making Your 4-H Club "World" Famous," Presentation given at the South Carolina 4-H Congress. Clemson, SC.
13. Layfield, K.D. (2007). "Joining Wisdom and Youth One Byte at a Time through Intergenerational Service Learning," Presentation given at the Annual Symposium of the Clemson University Institute for Engaged Aging. Clemson, SC.
14. Layfield, K.D. and Davis, T. (2007). "Effective Uses of Breeze Presenter for Extension Agents," Presentation given using Breeze Meeting (Synchronous Web-based delivery tool) to South Carolina Extension Agents. Clemson, SC.
15. Layfield, K.D. (2006). "Engaging Students in an Online Course," Educational Technology Services (ETS) Faculty Institute, Clemson, SC.

B. Invited Meeting Presentations (continued)

16. Layfield, K.D. (2006). "Collaboration and Communication Technology Training," Series of workshops on Macromedia Breeze and Blackboard Workgroups for South Carolina Extension Employees. Clemson, SC.
17. Layfield, K.D., Chandler, P., Hall, K. and Speziale, B. (2006). "Blending agricultural heritage and digital technologies: An interdisciplinary research-based approach to enhance learning," Presentation given at the 52nd North American Colleges and Teachers of Agriculture (NACTA) Conference. Vancouver, BC.
18. Layfield, K.D. (2006). "Strategies for Integrating Service Learning Components into Your Courses," Presentation given at the Service Learning Workshop for faculty at the University of South Carolina Aiken. Aiken, SC.
19. Layfield, K.D. (2006). "Teaching and Learning with Macromedia Breeze," Series of workshops sponsored by the Department of Agricultural Education and Communications at Texas Tech University, Lubbock, TX.
20. Layfield, K.D. (2005). Joining Wisdom and Youth One Byte at a Time through Intergenerational Service Learning. Presentation given at the The First Annual K-16 South Carolina Conference on Service-Learning, Community Service and Civic Engagement, Columbia, SC.
21. Layfield, K.D. and Hillstock, L. (2005). Teaching from Anywhere: A Faculty Member's Experience with Breeze Live. Workshop delivered for the Clemson University Office for Teaching Effectiveness and Innovation (OTEI) and ETS.
22. Layfield, K.D., (2005). Panel Discussion: Development and Delivery of Online Courses. Educational Technology Services (ETS) Faculty Institute. Clemson, SC.
23. Layfield, K.D., (2005). Flashpaper Illustrated. Educational Technology Services (ETS) Open House. Clemson, SC.
24. Layfield, K.D., Lawrence, A. (2004). Panel Discussion: Building and Sustaining Partnerships with the Community. How four faculty and their community partners do it. OTEI Service Learning Institute. Clemson, SC.
25. Surver, W., Layfield, K.D., Cummings, J.R., & K. Smith. (2004). Using Computers at a Higher Level to Teach at a Higher Level: Effective Instruction with Laptops and at a Distance. Workshop delivered at the 50th Annual NACTA (North American Colleges and Teachers of Agriculture) Conference. Gainesville, FL.
26. Whitfield, S., Layfield, K.D. & Joni Patterson. (2004). Distance Learning: The Classroom of Tomorrow, Today. Presentation given at the National Boys and Girls Clubs of America National Conference (based on MHRD Online Degree for Boys and Girls Clubs of America Executives). San Antonio, TX.
27. Layfield, K.D. (2003). Polycom net networking: Increasing the 4-H communication portfolio through internet-based media. Presentation given at the SCAE 4-HA Annual Meeting, Myrtle Beach, S.C.

B. Invited Meeting Presentations (continued)

28. Layfield, K.D. (2001). Web-based PowerPoint tools. . . Including a few freebies from Bill Gates. Presentation given at the New & Beginning Teacher Conference.
29. Layfield, K.D. (2000). PDQ with PDFs: Securing curricula for ag ed programs. Presentation given at the Annual South Carolina Winter Agriculture Teachers' Conference.
30. Layfield, K.D. (1999). Dynamic PowerPoint presentations through the World Wide Web. Presentation given at three South Carolina Association of Agricultural Educators district meetings.
31. Layfield, K.D. (1999). Preparing for and delivering presentations. Presentation given at the orientation meeting for College of Agriculture Ambassadors at Iowa State University.
32. Layfield, K.D., & Whittington, P.R. (1998). Pointers on PowerPoint. Workshop presented to the 1997-98 National FFA Officer Educational Training Seminars at Penn State.
33. Layfield, K.D. (1998). The Internet: Where are we? ... Where do we need to go? ... An assessment of Pennsylvania vocational teachers use and concerns. The Pennsylvania Vocational Education Conference.
34. Layfield, K.D. (1997). TURF 436 research project findings. Focusing on the Distance Learner: Agricultural Distance Learning Satellite Teleconference. National broadcast to colleges of agriculture.
35. Layfield, K.D. (1996). Maximizing the potential of the Internet in secondary agricultural education. Pennsylvania Vocational Agriculture Teachers' Summer Institute.
36. Layfield, K.D. (1996). Integrating academic & workforce education: The role of the Internet. The Pennsylvania Vocational Education Conference.

C. Refereed Poster Presentations

1. Pollard, M. and Layfield, K.D. (2012). "Engaging Undergraduates in International Relationships in Agriculture," Poster presented at the 59th Annual Conference of the North American Colleges and Teachers of Agriculture, River Falls, Wisconsin.
2. Burns, C., Dobbins, T.R. & Layfield, K.D. (2012). "Revitalization of the South Carolina 4-H Market Steer Program through Educational Workshops," Poster presented at the 59th Annual Conference of the North American Colleges and Teachers of Agriculture, River Falls, Wisconsin.
3. Duke, J.K., Dobbins, T.R. & Layfield, K.D. (2011). "Development of Basic Meat Science Topics and Standards Survey Instrument by Expert and Delphi Panels," Poster presented at the 58th Annual Conference of the North American Colleges and Teachers of Agriculture, Edmonton, Canada.
4. Bolt, B.G. and Layfield, K.D. (2010). "Measuring the Impact of Varied Instructional Approaches in an Introductory Animal Science Course," Poster to be presented at the 2010 Joint ADSA-PSA-AMPA-CSAS-WSASAS-ASAS Annual Meeting, Denver, CO.

C. Refereed Poster Presentations (continued)

5. Layfield, K.D. and Speziale, B.J. (2008). "D-V-Deconstruction: Ripping Fair-use DVDs for Integration into Classroom Presentations," Poster presented at the 54th Annual Conference of the North American Colleges and Teachers of Agriculture, Logan, UT.
6. Morgan, L. and Layfield, K.D. (2008). "Level of Academic Challenges Provided to Students in Selected Classrooms in the College of Agriculture," Poster presented at the 54th Annual Conference of the North American Colleges and Teachers of Agriculture, Logan, UT.
7. Morgan, L. and Layfield, K.D. (2007). "Appraisal of Critical Thinking Skills in Animal Science Undergraduates Who Participated on a Competitive Judging Team," Poster presented at the 2007 Equine Science Symposium, Hunt Valley, MD.
8. Morgan, L. and Layfield, K.D. (2007). "Appraisal of Critical Thinking Skills in Animal Science Undergraduates Who Participated on a Competitive Judging Team," Poster presented at the 2007 Equine Science Symposium, Hunt Valley, MD.
9. Kimmell, D. and Layfield, K.D. (2006). "E-Portfolios: Fostering Cross-Curricular Reflection of Applied and Core Course Instruction in the Agricultural Sciences," Poster presented at the 52nd Annual Conference of the North American Colleges and Teachers of Agriculture, Vancouver, BC.
10. Layfield, K.D., Hall, K.C., Chandler, P.M., and Speziale, B.J. (2006). "The Rise and Fall of Tobacco in a Small Community: Implementing a Cross-Curricular Student Research Agenda," Poster presented at the Southern Region Agricultural Education Conference. Orlando, FL.
11. Layfield, K.D. (2005). Joining Wisdom and Youth One Byte at a Time Through Intergenerational Service Learning. Poster presented at the 51st Annual Conference of the National Association for Colleges and Teachers of Agriculture. Wooster, OH.
12. Sparace, S.A., Cummings, J.R., Dobbins, T.R., Layfield, K.D., Minor, M.C., and J.A. Waldvogel. (2005). Experiential Learning... A Major Component of Agriscience Reform at Clemson University. Poster presented at the 51st Annual Conference of the National Association for Colleges and Teachers of Agriculture. Wooster, OH.
13. Layfield, K.D. (2005). It's Now a Breeze, Really: Teaching Technology at a Distance. Poster presented at the Southern Region Agricultural Education Conference. Little Rock, AR.
14. Sparace, S.A., Cummings, J.R., Dobbins, T.R., Layfield, K.D., Minor, V.C., and J.A. Waldvogel. (2005). Agriscience Reform in Agricultural Education at Clemson University. Poster presented at the Southern Region Agricultural Education Conference. Little Rock, AR.
15. Layfield, K.D. & T.R. Dobbins. (2003). Making the Most of 0s and 1s: Effective Graduate Education through Use of Digital Technologies. Poster presented at the National Agricultural Education Research Conference. Orlando, FL.
16. Layfield, K.D. & T.R. Dobbins. (2003). Making the Most of 0s and 1s: Effective Graduate Education through Use of Digital Technologies. Poster presented at the Southern Region Agricultural Education Conference. Mobile, AL.

C. Refereed Poster Presentations (continued)

17. Layfield, K.D. (2002). Getting Techie in the Golden Age: Computer Skills Development Through Intergenerational Service Learning. Poster presented at the 2002 Southern Region Agricultural Education Conference. Orlando, FL.
18. Layfield, K.D., Camberato, J., Hall, M.A. & Helms, J. (2002). Accessing Experts in the Field: Extension Specialists Share Experiences of Instruction via Polycom (Internet-based Teleconferencing). Poster presented at the 48th Annual Conference of the National Association for Colleges and Teachers of Agriculture. Lincoln, NE.
19. Layfield, K.D., Cummings, J.R. & Scott, J.P. (2001). "That's Owl Folks:" Assessing Agricultural Educators' perceptions of Agriscience integration using demonstrations and focus groups. Poster presented at the Southern Region Agricultural Education Conference. Fort Worth, TX.
20. Zungoli, P., & Layfield, K.D. (2001). "Are you talking to me?: Teaching students to communicate in their curriculum. Poster presented at the Southern Region Agricultural Education Conference. Fort Worth, TX.
21. Miller, M., Layfield, K.D. & Russell, D. (1999). The advantage of recruitment. Poster presented at the Central Region 53rd Annual Research Conference and Symposium in Agricultural Education, St. Louis, MO.
22. Moran, M.C., Layfield, K.D. & Bruening, T.B. (1998). Using multiple distance education media to teach student teachers. Poster presented at the 25th Annual American Association for Agricultural Education Meeting, New Orleans, LA.
23. Layfield, K.D., Moran, M.C., & Bruening, T.B. (1998). Using multiple distance education media to teach student teachers. Poster presented at the 51st Annual Eastern Region Research Meeting, Norwich, CN.

INSTRUCTIONAL MATERIALS

1. Layfield, K.D. (2000). BioInquiry PowerPoint Presentations. John Wiley & Sons, Inc.
2. Layfield, K.D., & Layfield, O.A. (2000). The Sciences, Third Edition. Resource Manager CD ROM. John Wiley & Sons, Inc.
3. Layfield, K.D., & Scofield, G. (1999). Conversion 2000: Y2K Embedded Systems Curriculum Materials Guidebook. Sponsored by Iowa State University, the Small Business Administration, the United States Department of Commerce, and the United States Department of Agriculture.
4. Layfield, K.D. (1993). Dairy Judging and Evaluation Workshop Guidebook. Assisted in rewriting and editing for James Umphrey, Dairy and Youth Specialist, Department of Dairy Science, University of Florida.
5. Layfield, K.D. (1990). Biotechnology: Science and Industry for Better Living. Slide Cassette Production. Assisted in development workshop at the University of Florida.

GRANTS AND CONTRACTS

Funded

1. Speziale, B., Ballard, R., Ptacek, M. and Layfield, K.D. (2006 – 2011). South Carolina Life: Mountains to Molecules. Sponsored by Howard Hughes Medical Institute. Amount funded \$2,000,000.
2. Zehnder, G., Scott, J.M., Nichols, A., Benson, E., Zungoli, P., Sparace, S., Layfield, K.D., Robertson, J. and Price, G.E. (2004). Teaching Kids about IPM: A Curriculum for K-5 Education in Urban and Landscape IPM. EPA Environmental Education Grants Program. Amount funded – \$49,635.00.
3. Zehnder, G., Scott, J.M., Nichols, A., Benson, E., Zungoli, P., Sparace, S., Layfield, K.D. Teaching Kids about IPM: A Curriculum for K-5 Education in Urban and Landscape IPM. (2004). USDA Southern Region Integrated Pest Management Program. Amount funded – \$49,580.00.
4. Sparace, S.A., Waldvogel, J.A., Minor, M.C., Layfield, K.D. & Dobbins, T.R. (2002). Creating Experiences and Building Skills in Agriscience and Biotechnology: A New Model for Undergraduate Agricultural Education (USDA Challenge Grant). Amount funded \$98,088.00.
5. Layfield, K.D., Culin, J.D., Layton, P.A., & Wells, C.E. (2001). Teaching Current Innovations in Agricultural Sciences Using Integrated Teleconferencing and Digital Media. Funded by the Clemson University Innovation Grant – Office of the Provost. Amount funded – \$13,625.46.
6. Layfield, K.D., & Minor, C., & Waldvogel, J.A. (2000). AgriScience in a Box: A multidimensional approach to innovative teaching that emphasizes the role of science in Agricultural Education. Funded by the Kellogg S.C. Alliance 2020 Committee. Amount funded – \$5,000.00.
7. Layfield, K.D., Garcia, R., & Holliday, R. (1999). Service Learning Mini-grant. Funded by the Service Learning Collaborative, Clemson University. Amount funded – \$500.00.
8. Layfield, K.D., & Scanlon, D.C. (1997-98). An Assessment of Pennsylvania Agriculture Teachers' Perceptions of and Use of the Internet. Mini-grant funded by the Bureau of Vocational/Technical Education, The Pennsylvania Department of Education. Amount funded – \$3,000.00.

Not Funded

1. Miller, G., Stephens, C. and Layfield, K.D. (2011). Online Basic Training and Professional Development for Supervisors of Field-Based Experiential Learning Courses in Agricultural Education. Sponsored by the United States Department of Agriculture, Higher Education Challenge Grants Award Program. Amount requested \$300,000.00.

SERVICE

International

Russian-American Study Abroad Program (Faculty Leader for Study Abroad — Clemson University, 2007-2012)

- ◆ Teaching "Communication Methods and Media," Moscow State Agro Engineering University, Moscow, Russia. February 8-February 25 & April 18-29, 2011.
- ◆ Teaching "Communication Methods and Media," Moscow State Agro Engineering University, Moscow, Russia. March 1-March 30, 2010.
- ◆ Teaching "Communication Methods and Media," Moscow State Agro Engineering University, Moscow, Russia. April 1-April 30, 2009.
- ◆ Teaching "Communication Methods and Media," Moscow State Agro Engineering University, Moscow, Russia. April 1-April 30, 2008.
- ◆ Teaching "Web Design for the Life Sciences and Agriculture," Moscow State Agro Engineering University, Moscow, Russia. February 27-April 4, 2007.

Consultant/Volunteer – ACDI/VOCA (Agricultural Cooperative Development International and Volunteers in Overseas Cooperative Assistance)

- ◆ Agricultural Distance Education Development, Belgorod State Agricultural Academy Belgorod, Russia. March 29-April 7, 2006.
- ◆ Agricultural Distance Education Development, Mari Institute of Open Learning, Mari-El State University, Yoshkar-Ola, Russia. May 11-21, 2005.

To the Profession

Responsibilities

- ◆ Web Coordinator, Research Special Interest Group, Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences, 2002 – present
- ◆ Web Coordinator, National Alpha Tau Alpha (National Professional Honorary Agricultural Education), 2001 – present (<http://biology.clemson.edu/ataonline/>)

Committees and Offices

- ◆ National Executive Committee member, The Council for Agricultural Science and Technology (CAST) representing the Animal Science Workgroup (2007-Feb. 2009)
- ◆ National Board Representative, The Council for Agricultural Science and Technology (CAST) on behalf of the American Association for Agricultural Education (AAAE), (2005-2007); Chair of the CAST Animal Science Workgroup (2006-2007)
- ◆ National Board Representative, The Agricultural Council of America (ACA) on behalf of the Council for Agricultural Science and Technology (CAST), (2006-2007)

Committees and Offices (continued)

- ◆ Agriscience Advisory Committee, Delmar Textbook Company, 1993
- ◆ Chair, Research Presentation Concurrent Session at the 53rd Annual Central Region Research Conference and Symposium in Agricultural Education, 1999
- ◆ Co-Chair, Eastern Region Research Meeting. (American Association for Agricultural Education), 1997

OTHER SERVICE

National

- ◆ National Vice President, Alpha Tau Alpha Honorary, 1998 – 2003
- ◆ Judge, Outstanding Presentation Award, National Agricultural Education Research Conference, (American Association for Agricultural Education) 2000, 2002, 2003, 2004, 2012
- ◆ Reviewer, Outstanding Article Award, Journal of Agricultural Education, (American Association for Agricultural Education) 2007
- ◆ Facilitator, National Agricultural Education Research Meeting. (American Association for Agricultural Education), 1996, 1998, 1999, 2000
- ◆ Reviewer, Journal of Agricultural Education. (American Association for Agricultural Education), 2008, 2011
- ◆ Reviewer, National Agricultural Education Research Conference. (American Association for Agricultural Education), 2000, 2001
- ◆ Reviewer, Journal of Natural Resources and Life Sciences Education. (American Society of Agronomy), 2002
- ◆ Discussant, Southern Agricultural Education Research Conference. (American Association for Agricultural Education), 2001, 2002
- ◆ Reviewer, Southern Agricultural Education Research Meeting. (American Association for Agricultural Education), 2002, 2007
- ◆ Reviewer, Central States Agricultural Education Research Conference. (American Association for Agricultural Education), 2001

State

- ◆ Chair, FFA State Extemporaneous Public Speaking Career Development Event, 2012
- ◆ Chair, FFA State Agriscience Fair, 2009, 2011
- ◆ Chair, FFA State Prepared Public Speaking Career Development Event, 2002, 2003, 2004
- ◆ Chair, FFA State Farm Business Management Career Development Event, 2000, 2001, 2002

Clemson University

- ◆ College Representative, CU Social Media Listening Center (SMLC) Kitchen Cabinet, (2012-)
- ◆ College Representative, Clemson University Academic Technology Council, (2011-)
- ◆ Chair, Clemson University Director of Online Education Search Committee, (2011)
- ◆ Campus Coordinator, Agricultural Interactive Distance Education Alliance (AG*IDEA), (2011-)
- ◆ Lead Senator — CAFLS, Clemson University Faculty Senate, (2012-)
- ◆ College Representative, Clemson University Faculty Senate, (2010-12)
- ◆ College Representative, Clemson University ETS Advisory Board, (2005-2011)
- ◆ College Representative, Clemson University Distance Education Steering Committee, (2006-2010)
- ◆ Clemson University DCIT Name Change Committee, (2007)
- ◆ CAFLS Representative, University Search Committee for the Vice Provost of Computing and Information Technology, (2005-06)
- ◆ Poster Committee Co-Chair, International Conference for Service Learning Research, (2004)
- ◆ Co-Chair, ACOP Southern Region Conference, (2000)
- ◆ Poster Committee Co-Chair, International Conference for Service Learning Research, 2004

College of Agriculture, Forestry and Life Sciences, Clemson University

- ◆ Coordinated Russian-American Study Abroad program in cooperation with Dr. Thomas Bruening, Penn State. Three students from the college spent the Spring, 2007 semester at Moscow State Agro-Engineering University studying international agriculture.
- ◆ Coordinator, Re-Design and Development of College Web Site, (2005-)
- ◆ Coordinator, Expeditions (Patrick McMillan TV Show) Web Site, (2006-)
- ◆ College Representative, University Book Store Committee, 2002

Agricultural Education Program, School of Agricultural, Forest and Environmental Sciences, Clemson University

- ◆ Committee Member, Lecturer of Agricultural Education Search Committee, (2012)

Department of Biological Sciences, Clemson University

- ◆ Coordinator, Re-Design and Development of Department Web Site, (2005-)

Department of Genetics, Biochemistry and Life Science Studies, Clemson University

- ◆ Developed recruitment brochure for Genetics Curriculum
- ◆ Developed departmental display for kiosk at Clemson Madren Center

Biology Instruction and Agricultural Education, Clemson University

- ◆ Chair, Agricultural Communication Option Proposal Committee, 2001 – 2002
- ◆ Chair, Agriscience Assistant Professor Search & Screen Committee, 2000 – present
- ◆ Co-Chair, ACOP Southern Region Conference, 2000
- ◆ Advisor, Alpha Tau Alpha Honorary, 1999 – 2002
- ◆ Member, Agricultural Education Curriculum Revision Committee, 2000

Agricultural Education and Studies Department, Iowa State University

- ◆ Advisor, Alpha Tau Alpha Honorary, 1998 – 1999
- ◆ Co-Leader, Ag Advantage Recruitment Program, 1998 – 1999
- ◆ Iowa Ag Awareness Coalition, 1998 – 1999
- ◆ Teacher Education Committee, 1998 – 1999

Pennsylvania Agricultural/Vocational Education

- ◆ Site Facilitator, Teleconference on Workforce Development: "Real Jobs for Real People," 1997
- ◆ Site Facilitator, Teleconference on Workforce Development: "From K through Forever," 1997
- ◆ Planning Chair, Pennsylvania Vocational Agriculture Teachers' Summer Institute, 1997

Pennsylvania Agricultural/Vocational Education

- ◆ Selection Committee, The Pennsylvania Governor's School for Agriscience, 1995, 1997
- ◆ State Planning Committee & Entertainment Committee Chair, Pennsylvania Vocational Education Conference, 1995 – 98
- ◆ Chapter Advisor, The Pennsylvania State University, Alpha Tau Alpha, 1997 – 98
- ◆ Chapter Advisor, The Pennsylvania State University Collegiate FFA, 1994 – 98
- ◆ President, Omicron Tau Theta Vocational Education Honorary, 1996 – 98

Florida Vocational Agriculture Teachers' Association (FVATA)

- ◆ Professional Improvement Committee, FVATA, 1989 – 90
- ◆ Newsletter Editor, FVATA, 1990 – 91
- ◆ Curriculum Committee Chair, FVATA, 1989 – 91
- ◆ Director, Area II, FVATA, 1993