

## MARTIN J. FRICK

196 Sacajawea Peak Drive  
Bozeman, MT 59715  
(406) 582-0722

Division of Agricultural Education  
118 Cheever Hall  
Montana State University-Bozeman  
Bozeman, MT 59717  
(406) 994-5773

### Educational Background

1990 Doctor of Philosophy  
Agricultural Education  
Minor: Meat Science

Iowa State University  
Department of Agricultural  
Education and Studies  
Ames, IA

1982 Master of Education  
Emphasis: Agricultural  
Mechanization & Farm Business Management

University of Missouri-Columbia  
Agricultural Education

1980 Bachelor of Science – Honors Scholar  
Agricultural Education  
Emphasis: Animal Science &  
Agricultural Mechanization

University of Missouri-Columbia  
Agricultural Education

### Teacher Certification

1980 Permanent Professional Certificate - Vocational Agriculture - State of Missouri

### Professional Experience

Professor:

Division of Agricultural Education

1994 to 1999 – Assistant Professor. 1999 to 2007 – Associate Professor.

Responsibilities include teaching undergraduate and graduate level courses for MSU's College of Agriculture and the Agricultural and Technology Education program, supervising agricultural education student teachers and the development of new courses. Additional responsibilities include the coordination and development of MSU's Cooperative Business Development program.

Assistant Professor:

Department of Curriculum and Instruction, Purdue University.

August 1990 to 1994

Responsibilities include teaching undergraduate and graduate level courses, supervising student teachers and the development of new courses in the agricultural education program. Additional responsibilities include the coordination and development of inservice programs to secondary agricultural education teachers and extension agents.

Assistant Coordinator of  
Training and Development:

Office of Training and Development, Iowa State University.

August 1988 – May, 1990

Responsibilities included administering program evaluation for 5,500 I.S.U. employees; directing annual evaluation report; conducting training and development seminars for faculty and staff. Additional responsibilities included specific departmental training need assessments.

- Graduate Assistant: Department of Agricultural Education and Studies, Iowa State University.  
August, 1988 – May, 1989  
Developed Groundwater instructional materials on “Managing Agricultural Pesticides” and “Locating Direct Paths of Groundwater Contamination.”  
Conducted state inservice on materials developed.
- Graduate Assistant: Department of Meat Science, Iowa State University.  
Summer 1989  
Acquired grant from Iowa Beef Industry Council. Developed Meat Science instructional materials with an emphasis in processed products. Evaluated American Meat Institute Short Course Presentations.
- Teaching Assistant: Department of Agricultural Education and Studies, Iowa State University.  
Summer 1988  
Co-taught workshop that focused on incorporating Food and Agricultural Sciences into the high school agricultural education curriculum. Edited instructional materials on Food and Agricultural Sciences.
- Curriculum Coordinator: Department of Agricultural Education and Studies, Iowa State University.  
August, 1988 – May, 1989  
Developed comprehensive agricultural marketing curriculum materials that were provided to all vocational agricultural instructors in the state of Iowa. Conducted state inservice on materials developed.
- Agricultural Education Instructor: 1980-1987
- Perryville Area Vocational Technical School, Perryville, Missouri.  
1983-1987  
Reorganized, coordinated and delivered instruction in agricultural education to 90 students. Duties included coordinating Supervised Agricultural Experience Programs, serving as FFA Co-advisor and Young Farmer Advisor. Designed new facilities for program. Additional responsibilities included Computer Education Instructor and Cardiopulmonary Resuscitation Instructor.
- Salem High School, Salem, Missouri.  
1980-1983  
Delivered instruction in agricultural education to 120 students. Duties included coordinating Supervised Agricultural Experience Programs and serving as FFA Co-Advisor. Designed and implemented student recruitment program. Developed and produced the Salem Vocational Agriculture Program Plan.
- Farm worker: Southeast Missouri State University Experimental Farm, Cape Girardeau, Missouri.  
1978-1979  
Milker for pure-bred Holstein herd; conducted cropping operations.
- Second Class Petty Officer: United States Coast Guard, 1972-1976.  
Boatswainmate  
Aids to Navigation Specialist; Search and Rescue Boat Coxswain.

### International Experience

Consultant for The Sedziszow Meat Processing Cooperative in The Malopolski Province of Poland - Fall, 1996-ACDI/VOCA Assignment.

Conducted seminars with different people involved in the development of the meat processing cooperative. Subjects covered in the seminars included an overview of meat processing technology, cooperative principles and practices, strategic planning, securing capital, policies and bylaws of a cooperative, director and member responsibilities, and marketing strategies.

Croatian Cooperative Seminar- Conducted Seminar for Croatian Farmers – August 1998, January 2001, January 2003, February 2003.

Conducted seminars with over 50 farmers who were attempting to establish cooperatives throughout rural Croatia. Participants attended seminars and participated in field trips related to cooperative business development throughout Montana. World Learning, Washington, D.C, funded the project.

Winrock International Assignment – Consulted with the Ministry of Agriculture’s Educational Methodology Center, Novo Sinkovo, Russia – Summer 2000

Conducted seminars and developed curriculum with Russian agricultural educators under the Russian Ministry of Agriculture. Instructional units on the agricultural business application of Microsoft™ Excel were developed and seminars conducted. Excel subjects covered included building a spreadsheet template, identifying appropriate spreadsheet applications for Russian agriculture practices, development of charts and graphs, analysis of data.

Building and Sustaining Croatian Cooperative Business Leadership for the 21st Century- 2001 Co-Project Director. Award= \$99,675

This partnership seeks to institutionalize and increase community capacity for sustained cooperative business leadership development in Croatia. The project involved developing curriculum, conducting a needs assessment, and developing an outreach program to assist rural farmers in Croatia. The Association Liaison Office for University Cooperation in Development funded this project.

Moscow State Agroengineering University - Montana State University – Bozeman, Study Abroad Program Coordinator – 2001 to 2005

Recruited a total of nine MSU College of Agriculture students to participate in a semester abroad program at MSAU. Served as liaison between students and MSU Registrar’s Office. Ensured that all students’ coursework would apply to their degree program. Coordinated Russian Agriculture Internships for two MSU student participants.

Moscow State Agroengineering University - January, 2002, Moscow, Russia.

Taught Cooperative Business Principles and Practices course in concentrated format. Intended to acquaint students with cooperatives and the cooperative way of doing business. Students learn the role of cooperatives in marketing, bargaining, purchasing and service. Cooperative business decision making was emphasized throughout the course.

Croatian Cooperative Management Training Seminars – Conducted Three Seminars for 59 Croatian Farmers – January 2004, Plivitca Lakes, Croatia.

Conducted 3 seminars for 59 farmers who were attempting to establish cooperatives throughout rural Croatia. Subjects covered in the seminars included strategic planning, mission statements, vision statements, developing business goals and objectives, action planning, and marketing strategies.

Faculty of Agriculture – University of Zagreb, Croatia – Fulbright Senior Scholar - January, 2005 to July 2005

Provided outreach programs to farmers, collaborated on joint curriculum between Montana State University and Faculty of Agriculture – University of Zagreb. Guest lecturer in farm management and agribusiness courses. Conducted research on Croatian agricultural cooperatives. Provided assistance to farmers interested in establishing agricultural cooperatives to market their production more efficiently and to add value to their products through processing.

## Honors and Honorary Societies

Fulbright Ambassador, 2009  
 Distinguished Service Award, Western Region American Association for Agricultural Education, 2007  
 Fulbright Scholar, University of Zagreb, Croatia, 2005  
 Honorary American Degree Recipient – National FFA Convention, October 2005  
 Honorary State Farmer, Montana FFA Association, 2005  
 Dedicated Leadership and Service Award - Western Region American Association for Agricultural Education, 2005  
 1<sup>st</sup> Runner-Up Refereed Poster Session. Presented by the Western Region American Association for Agricultural Education. Portland, 2003  
 Honorable Mention Article Award. National Association of College Teachers of Agriculture, NACTA Journal, 2001  
 Outstanding Service in International Agricultural Education Award, 2001. Presented by the Western Region American Association for Agricultural Education.  
 Outstanding Interdisciplinary Research Award. Team Member. Purdue University School of Agriculture, 1995  
 Author of the Year, Second Runner-Up, Volume 32 - 1991, Journal of Agricultural Education  
 Outstanding Research Paper, 3rd place, 1990 National Agricultural Education Research Meeting, Cincinnati, OH (111 papers submitted, 44 accepted, 39.6% acceptance rate)  
 Competent Toastmaster (CTM), Toastmasters International, 1989  
 Phi Kappa Phi, National Honorary Fraternity, Initiated in 1989  
 Gamma Sigma Delta, Initiated in 1988  
 Iowa State University PACE Award (Premium for Academic Excellence), 1987  
 Honorary State Farmer, Missouri FFA Association, 1987  
 Outstanding Young Teacher, Missouri Vocational Agriculture Teachers' Association, 1986  
 Outstanding Program, Missouri Vocational Agriculture Teachers' Association, 1986  
 Honors Scholar, University of Missouri, 1980  
 Honorable Discharge, National Defense Ribbon, Good Conduct Award, United States Coast Guard, 1972-1976

## Refereed Publications

- Flynn, A., **Frick, M.J.**, & Steele, D. (2009). The Relationship Between Participation in 4-H And Community Leadership in Rural Montana. *Journal of Extension*. Accepted for Publication. *NACTA Journal*.
- Koon-Fox, L.A., Frick, M.J., & Igo, C. (2009). What Kind of Students are Enrolling in a College of Agriculture and are They Staying?: A Mixed Methods Approach.
- Kante, A., Igo, C., **Frick, M.J.** (2009). A Case Study of Malian Shea Butter Producers. *AIAAE Journal*. Accepted for Publication.
- Chumakov, V., Bruening, T.H., **Frick, M.J.**, Friedel, C., & Moreno, J. (2006). An International Agricultural Education Undergraduate Model to Enhance Cooperation and Collaboration. *AIAAE Journal*. 13(2):5-14
- Brooks, S., **Frick, M.J.**, & Bruening, T.H. (2006). How are Land Grant Institutions Internationalizing Agricultural Studies? *AIAAE Journal*. 13(3):91-102
- Frick, M.J.**, Grgić, Z., Franić, R., Štefanić, I., & Kezić, N. (2006). Cooperative Business Potential for Beekeepers in Croatia. *Journal of Apicultural Research*. 45(3).
- Grgic, Z., **Frick, M. J.**, & Sakic, B. (2005). Zadruga: motive i stajalista pcelara o zadruznom poslovanju. *Cooperatives: Motivation and Attitude of Beekeepers toward future cooperative businesses*. *Hrvatska Pcela Science*. Volume 124(3). ISSN 1330 -3635.
- Grgic, Z., **Frick, M. J.**, & Sakic, B. (2005). Zadruga: motive i stajalista pcelara o zadruznom poslovanju. *Cooperatives – Dosadasnje spoznaje o stajalistima pcelara: Motivation and Attitude of Beekeepers toward cooperative businesses – Present positions of beekeepers*. *Hrvatska Pcela Science*. Volume 124(4). ISSN 1330 -3635.

- Frick, M.J.**, Bruening, T. H., & Baumbauer, D. A. (March, 2004). Institutional development in international agriculture: A collaborative approach by 1862 and 1994 land grants. NACTA Journal. 48(1).
- Bruening, T. H., & **Frick, M. J.** (2004). Globalizing the U.S. undergraduate experience: A case study of the benefits of an international agriculture field-based course. AIAAE Journal. 11(1).
- Bruening, T. H., & **Frick, M. J.** (2004). Evaluation of selected courses intended to internationalize the curriculum in the college of agriculture at Montana State University. AIAAE Journal. 11(1).
- Frick, M.J.**, & Crawford, D. (Fall, 2001). Students' perceptions of academic work ethic: A Preliminary Study of College of Agriculture Freshmen. NACTA Journal, 45 (2).
- Wearley, M.A., **Frick, M.J.**, & Shelhamer, C.V. (Fall, 1999). Montana Legislators' knowledge and perception of agriculture. NACTA Journal. 43 (3).
- Martin, A., & **Frick, M.J.** (Spring, 1998). The delphi technique: An informal history of its use in agricultural education research since 1984. Journal of Agricultural Education. 39 (1).
- Frick, M.J.**, R. Birkenholz, Gardiner, H., & Machtmes, K.. (Winter, 1995). Rural and urban inner-city student knowledge and perception of agriculture. Journal of Agricultural Education, 36 (4).
- Frick, M.J.**, Birkenholz, R., & Machtmes, K. (Fall, 1995). 4-H member knowledge and perception of agriculture. Journal of Agricultural Education, 36 (3).
- Allen, P. B., **Frick, M.J.**, & Field, W. (Fall, 1995). The safety education training needs of farmers and ranchers with physical disabilities. Journal of Agricultural Education, 36 (3).
- Frick, M.J.**, Birkenholz, R., & Machtmes, K. (Summer, 1995). Rural and urban adult knowledge and perception of agriculture. Journal of Agricultural Education, 36 (2).
- Allen, P.B., **Frick, M.J.**, & Field, W. (Summer, 1995). Assessment of work-related injury risk for farmers and ranchers with physical disabilities. Journal of Agricultural Safety and Health, 1 (2)
- Spitzer, M.A., Whitford, F., & **Frick, M.J.** (October, 1994). An assessment of migrant farmworker training needs in response to the pesticide worker protection standards: An Indiana perspective. Journal of Extension, 32 (3).
- Marrison, D.L., & **Frick, M.J.** (Spring, 1994). The effects of agricultural students' learning styles on academic achievement and their perceptions of two methods of instruction. Journal of Agricultural Education, 35 (1).
- Marrison, D.L., & **Frick, M.J.** (Winter, 1993). Computer multimedia instruction versus traditional instruction in post-secondary education. Journal of Agricultural Education, 34(4).
- Frick, M.J.** (Summer, 1993). Developing a national framework for middle school agricultural education curriculum. Journal of Agricultural Education, 34(2). Note: Agricultural Literacy topics were the subject of this study.
- Frick, M.J.**, Miller, W.W., & Kahler, A.A. (March, 1992). A delphi technique - A definition of agricultural literacy and its concepts - A method for curriculum reform. NACTA Journal, 36(1).
- Frick, M.J.**, Miller, W.W., & Kahler, A.A. (March, 1992). Agricultural literacy: A framework for communicating to the public sector. Journal of Applied Communications, 75(2).
- Frick, M.J.**, Miller, W.W., & Kahler, A.A. (Summer, 1991). Definition and concepts of agricultural literacy. Journal of Agricultural Education, 32(2).

### Refereed Proceedings/Presentations

- Fox, L.A., **Frick, M.J.**, Igo, C. What Kind Of Students Are Enrolling In A College of Agriculture At A Western Land Grant University And Are They Staying? Accepted for presentation at the Western Region Agricultural Education Research Meeting. Cody, WY. 2007.
- Bruening, T.H., Leite, F., & **Frick, M. J.** International Initiatives in Agricultural and Extension Education: Constructing Perspectives for Brazilian and American Partnerships. Annual Conference of the Association of International Education Administrators (Session 2C), March 13-15, 2003, Rio de Janeiro, Brazil.
- Frick, M.J.**, King, B.O., Igo, C. & K.J. Cooper. A Leadership Profile of FFA State Officer's Work Ethic: A Preliminary Study of State FFA Officers. Western Region Agricultural Education Research Meeting. Portland, WA. 2003.
- Igo, Crawford, C, D., & **M.J. Frick**. Implementing the food and fiber systems literacy framework in four case studies of elementary teachers. Western Region Agricultural Education Research Meeting. Carmel, CA. 2001.
- Bass, T.M., & **Frick, M.J.** An examination of pollution prevention in Montana Secondary Agricultural Education laboratories. National Agricultural Education Research Meeting, San Diego, CA. 2000
- Igo, C., Leising, J. **Frick, M.J.** An assessment of agricultural literacy in k-8 schools. National Agricultural Education Research Meeting, Orlando, FL, 1999
- Wearley, M, **Frick, M.J.**, & Shelhamer, C.V. "Montana Legislators' Knowledge and Perception of Agriculture." Western Region Agricultural Education Research Meeting, Salt Lake City, UT, 1998
- Wingard, K.J., Shelhamer, C.V., & **Frick, M.J.** "Life skill development of 4-H campers." Western Region Agricultural Education Research Meeting, Salt Lake City, UT, 1998
- Wilson, D, & **Frick, M.J.** "Native American high school student knowledge and perception of agriculture." National Agricultural Education Research Meeting, Cincinnati, OH, 1996
- Elliot, J., & **Frick, M.J.** "Food and agricultural awareness of land grant university education faculty." National Agricultural Education Research Meeting, Denver, CO, 1995
- Ploss, A., & **Frick, M.J.** "Evaluating the physical accessibility of Indiana high school agricultural educational facilities." National Agricultural Education Research Meeting, Denver, CO, 1995.
- Ploss, A. & **Frick, M.J.** . "Evaluating the programmatic accessibility of Indiana high school agricultural education facilities. National Agricultural Education Research Meeting, National Agricultural Education Research Meeting, Dallas, TX, 1994.
- Frick, M.J.**, R. Birkenholz, & K. Machtmes. 4-H member knowledge and perception of agriculture. National Agricultural Education Research Meeting, Dallas, TX, 1994.
- Marrison, D.L., Tao, B., & **Frick, M.J.** . (1993). "Computer Multimedia Instruction Versus Traditional Instruction in Agriculture," 1993 International Meeting of The American Society of Agricultural Engineers, Chicago, IL.
- Frick, M.J.** "A Core Curriculum for a National Middle School Agricultural Education program: An Approach to Curriculum Development Using a Modified Delphi Technique," National Agricultural Education Research Meeting, St. Louis, MO, 1992.

Marrison, D.L., & **Frick, M.J.** "A Comparison of Computer Multimedia Instruction Versus Traditional Instruction in Post-Secondary Agricultural Education," National Agricultural Education Research Meeting, St. Louis, MO, 1992.

Marrison, D.L., & **Frick, M.J.** "The Effect of Learning Style on Academic Achievement and Perceptions of Two Methods of Instruction," National Agricultural Education Research Meeting, St. Louis, MO, 1992.

**Frick, M.J.** (1991). Lifelong Learning. The educator's role: Workforce development in a global society. Proceedings from the Indiana Professional Development Fellowship Program.

**Frick, M.J.**, Miller, W.W., & Kahler, A.A. "The Subject Areas and Concepts of Agricultural Literacy," National Agricultural Education Research Meeting, Cincinnati, OH, 1990.

### **Other Publications - Nonrefereed**

**Frick, M.J.** & Grgic, Z. (April, 2003) Kritične točke za uspjeh poljoprivrednih zadruga (Factors for Successful Cooperatives). Poljoprivrednih Info. Duravar, Croatia

**Frick, M.J.** & Grgic, Z. ( August, 2003) . Osnove financiranja zadruga (Fundamentals of Financing Cooperatives). Poljoprivrednih Info. Duravar, Croatia

Cooper, K.J., Bocksnick, J. & **Frick, M.J.**(November, 2002). Innovations and Trends in Working with Special Needs Students. The Agricultural Education Magazine, 75 (11).

**Frick, M.J.**, & Moore, B.. (2001). Now is the time to talk up SAEs. Canine Corner, Montana Association of Agricultural Educators Newsletter.

Impact 2001 (2001). Students learning in partnership with Montana State University Extension. **M.J. Frick**, ed. Montana State University Extension Service.

**Frick, M.J.**, & Brennan, J.. (May, 1998). Agricultural Opportunities with Home Schoolers. The Agricultural Education Magazine, 70 (6).

Davis, S, & **Frick, M.J.** (May, 1996). Practical applications for distance education technologies in a remote and rural state. The Agricultural Education Magazine, 68(11).

**Frick, M.J.** (March, 1996). "Sharing" the gospel according to agriculture. **Theme Editor** The Agricultural Education Magazine, 68 (9).

**Frick, M.J.** (October, 1995) METNET: a user friendly agricultural electronic communication system. The Agricultural Education Magazine, 68 (4).

**Frick, M.J.** (December, 1993). Begin with the end in mind: A strategy for implementing agricultural literacy programs. The Agricultural Education Magazine, 66(6).

**Frick, M.J.** (March, 1993). Renewing our commitment to individuals with disabilities. The Agricultural Education Magazine, 65(9).

**Frick, M.J.** (March, 1993). Serving individuals with disabilities. **Theme Editor**. The Agricultural Education Magazine, 65(9).

Marrison, D.L., Peters, J.L., & **Frick, M.J.** (September, 1992). Computer multimedia modules. The Agricultural Education Magazine, 65(3).

Marrison, D.L., & **Frick, M.J.** (April, 1992). Laboratory instruction on hydroponics: The basics. The Agricultural Education Magazine, 64(10).

- Frick, M.J.** (June, 1991). Weathering the storms of change toward the year 2025. The Agricultural Education Magazine, 63(12).
- Frick, M.J.**, Knipe, L., & Stillmonkes, D. (January, 1990). Water's importance in meat processing. The Science of Food and Agriculture, 2(1).
- Frick, M.J.**, & Spotanski, D.R.. (February, 1989). Coming to grips with agricultural literacy. The Agricultural Education Magazine, 62(8).
- Frick, M.J.** (December, 1988). Agriculture - More than an occupation. The Agricultural Education Magazine, 61(6).
- Spotanski, D.R., & **Frick, M.J.** . (September, 1988). Teaching: Building a climate for success!! The Agricultural Education Magazine, 61(3).
- Frick, M.J.**, & Rollins, T.J. (July, 1988). Incorporating entrepreneurship into agricultural education. The Agricultural Education Magazine, 61(1).
- Rollins, T.J., & **Frick, M.J.** (July, 1988). Instructional resources for entrepreneurial education. The Agricultural Education Magazine, 61(1).

### **Published Review of Instructional Materials**

- Marrison, D.L., & **Frick, M.J.** (March, 1994). Agricultural economics demand multimedia module. NACTA Instructional Media Review Program. NACTA Journal, 38(1).

### **Invited Presentations/Poster Sessions**

- Frick, M.J.**, Miller, W.W., & Kahler, A.A. (1990). A National Study to Define Agricultural Literacy and Identify Its Concept. ACE Research Special Interest Groups, Agricultural Communicators in Education International Meeting, St. Paul, MN, August 1990.

### **Refereed Poster Sessions**

- Porter, L., Bocksnick, J., Cooper, K., **Frick, M.J.**, Lanier, W. (2003). AGXACTLY: An Interactive Quiz Game Designed To Increase Learner Retention. AAAE Refereed AAAE Poster Session in Agricultural Education, Orlando FL, 2003.
- Frick, M.J.**, & Baumbauer, D. (2001). Agriculture in a global context: Innovations in Multidisciplinary Experiential Learning in undergraduate education. National Refereed AAAE Poster Session in Agricultural Education, New Orleans, LA, 2001.
- Elliot, J., & **Frick, M.J.** (2001). Russia's Agricultural Educational Methodology Center. International Refereed AIAEE Poster Session in International Agricultural and Extension Education, Baton Rouge, LA, 2001.
- Frick, M.J.**, & Shelhamer, C.V. (1998) Veteran's Math Science Initiative in Agriculture. Western States Refereed AAAE Poster Session in Agricultural Education, Salt Lake City, April, 1998
- Frick, M.J.**, Ploss, A., & Field, W. (1996) FFA Advisor's Guide for Members with Disabilities. Western States Refereed AAAE Poster Session in Agricultural Education, Moscow, ID., April, 1996.
- Frick, M.J.**, & Shelhamer, C.V. (1995). METNET: A User Friendly Agricultural Communications System. Western States Refereed AAAE Poster Session in Agricultural Education, Phoenix, AZ., April, 1995.

- Connors, J.J., & **Frick, M.J.** (1994). Food Science, Safety and Nutrition, Western States Refereed AAAE Poster Session in Agricultural Education, Honolulu, Hawaii, April, 1994.
- Hardesty, J., Peters, J. & **Frick, M. J.** (1993). Undergraduate Leadership Skill Development Through Class and Student Organization Activities, Central States Refereed AAAE Poster Session in Agricultural Education, St. Louis, MO, March, 1993.
- Sillery, B., & **Frick, M.J.** (1992). Agricultural Education's Role in Serving Farmers with Disabilities, Central States Refereed AAAE Poster Session in Agricultural Education, Austin, MN, 1992.
- Marrison, D.L., & **Frick, M.J.** (1992). Computer Multimedia Utilization in Agricultural Education, National Refereed AAAE Poster Session in Agricultural Education, St. Louis, MO, 1992.

### **Professional Service**

- President of Western Region Agricultural Education Association, 2004-2005
- Served as 2000 and 2001 reviewer for USDA, CSREES Tribal Colleges Education Equity Grants
- Alternate Vice President of Western Region Agricultural Education Association, 2001-2003
- National Agricultural Education Research Conference, Las Vegas, NV, December 10, 2002, Co-Chair
- Secretary of Western Region Agricultural Education Association, 1999-2001
- Superintendent, National Food Science and Technology Career Development Event, National FFA. 2001-2005
- WCC-207, Western Region AES Committee on Agricultural Literacy, Co-chair, 2002-2006
- Alpha Zeta Agriculture Honor Fraternity, Co-advisor, 1999-2007
- Co-chair, Montana FFA Career Development Events, April 1995-2007.
- Established Western Region Coordinating Committee on Agricultural Literacy, 1998
- Western Region Editor of The Journal of Agricultural Education, 1995-97
- Co-advisor of MSU's Collegiate FFA organization, 1994-2007
- METNET Coordinator for Electronic Communication Agricultural Education Conference, 1994-2003
- Member of NC-216 Committee on "The Adoption of Sustainable Farming Systems: Implications to Agricultural Education" under the direction of North Central Region Experiment Station, 1994-1995
- National Agricultural Education Refereed Poster Session, Dallas, TX, December 11, 1994, Chair
- National Agricultural Education Research Meeting Outstanding Paper Committee, Member, 1994
- Secretary of North Central Region Experiment Station, NCR-158 Committee Meeting on Adult Education in Agriculture, Washington, DC, January 7-9, 1993
- National FFA Convention, Kansas City, MO; Coordinated Breaking New Ground booth at National FFA Career Show, November 1992-1994
- Central Region Editor of The Journal of Agricultural Education, 1992-1994

Chairman of National Task Force on Middle School Agricultural Education directed by the National Council for Vocational and Technical Education in Agriculture, 1991-1992

Facilitator of the Strategies to Promote Agricultural Literacy Work Group for the American Association for Agricultural Education (AAAE), 1994

Member of NCR-158 Committee on Adult Education in Agriculture under the direction of the North Central Region Experiment Station, 1990-1994

Member of the Steering Committee for the Midwest Research-to-Practice Conference for Continuing and Adult Education, 1991-1994

Central States Agricultural Education Conference, Chair of Refereed Poster Session, February 24-26, 1994

Central States Agricultural Education Conference, Chairperson of Research Session, March 5-7, 1993

Central States Agricultural Education Conference, Chair of Session on Integrating Agriculture into the Elementary Curriculum, June 14-16, 1992

Indiana Vocational Agriculture Teachers Association, Indianapolis, Presenter, August 10-12, 1993

Indiana State Curriculum Inservice and Proficiency Award Screening, Presenter, Trafalgar, IN, February, 1994

Member of the Indiana FFA Foundation Board, 1990-1994

Co-advisor of the IVATA-Purdue organization, 1990-1994

Member, Indiana Strategic Plan for Agricultural Education Committee, 1991-92

## **University**

### **Montana State University**

Member of University International Education Committee, 2004-2007

Member of University Teacher Education Council, 2003-2005

Member of College of Agriculture Committee on Distance Education, 2001

College of Agriculture Recruitment and Retention Officer Search Committee Chair, 2001

Member of CEEHD Promotion and Tenure Review Committee as College faculty member, 2001

Chair of University Grievance Committee, 1999-2001

Member of Department of Education Promotion and Tenure Review Committee as faculty member, 1998

College of Agriculture Committee on Distance Education, 1998

Member of MSU's University Teacher Education Council, 1994-95

Member of Purdue's Education Council, 1991-1994 (3-year term)

Member of Purdue School of Agriculture Curriculum and Student Relations Committee, 1990-1994

Secretary of Purdue School of Agriculture Curriculum and Student Relations Committee, 1992-1993

Member of Purdue Ad Hoc Committee on Department of Curriculum & Instruction Graduate Core Requirements, 1992

Member of Purdue Ad Hoc Committee on Department of Curriculum & Instruction Restructuring Process, 1992

### **Instructional Materials**

Ploss, A., W. Field & **M.J. Frick**. (1996). Bridging Horizons-An Advisors Guide to FFA Involvement for Members with Disabilities. Funded by National FFA.

Knipe, C.L., **M.J. Frick** & D. Stillmonkes. (1993 & 1995). Meat Science and Technology Series: Lesson Series for Vocational Agriculture and Science in Agriculture Courses. In Iowa (1993), reproduction sponsored by the Iowa Beef Industry Council and the Iowa Pork Producer's Association. In Montana (1995), reproduction sponsored by the Montana Beef Council.

**Frick, M.J.** (1994). What is Agricultural Education? This document is distributed to Montana Agricultural Science and Business Teachers. Explains basis for programs as well as guidelines and policies for every program in the state.

**Frick, M. J.** (1993). Food Science and Safety. Instructional Materials for Secondary Agricultural Education and Home Economics Programs. Funded by the National FFA Foundation.

**Frick, M. J.** (1990). Soil Science - Developed curriculum materials for statewide use on the following topics: Land Measurement, Soil Formation and Structure, Soil Tillage, Soil Fertility, Soil and Water Relationships, Soil Conservation, Cropping Systems and Practices, and Harvesting. Funded by the Indiana State Department of Education.

Peters, J. & **M.J. Frick**. (1990). Curriculum Training Model and Competency List. Developed for Pioneer Hybrid sales staff training, 1990.

King, D. **M.J. Frick**, R. Bowman & T. Lewis. (1990). Groundwater Protection Through Prevention: A Curriculum for Agricultural Education in Secondary. Funded by a grant from the Iowa Department of Natural Resources.

Miller, W.W., L.D. Trede, **M.J. Frick**, J.A. Anderson, C.E. Boese, & S.K. Vogelzang. (1988). Marketing Agricultural Products: Curriculum Guide for Secondary/Post Secondary Agriculture Programs. Funded by Department of Education, State of Iowa.

### **Courses**

AGED 507 Program Planning and Evaluation - Spring, 1995, 96, 97, 98, 00, 01, 03,04, 07

A study of the literature on specific facets of program planning and evaluation applicable to Agricultural and Technology education and Extension education. Application of program planning and evaluation concepts will be learned through individual and class projects.

AGED 480 – Limited Resource Farmers: Implications for Technology Transfer and Adoption and Diffusion of Innovations –Fall, 2000

An interdisciplinary course for students interested in the complex problems of agricultural development at the local level. The course is designed to acquaint students with the interaction among available resources, existing technology and science, farmers, culture and context, and the role educational channels play in the adoption of innovations (technology and science) to produce more quantity or high quality food and fiber.

AGED 417 Critical Thinking For The Food And Fiber System – Fall 2001,2002, 2003, 2004, 2006

Following an overview of current food and fiber system issues related to Montana, teams of students will select a problem to analyze, and will propose solutions to solve the problem. Application of prior knowledge, communication skills, and higher order thinking skills will be required.

EDSD 410 - Supervised Teaching in Agricultural Education - Spring 1994, 96, 97, 98, 99, 2000, 01, 02, 03, 04, 05 and 06.

Supervised 34 student teachers. Assisted in placement of teachers for student teaching experience. Designed student teaching assignment on developing an agricultural education teaching aid.

AGED 400 - Seminar Agricultural Youth Event Management –Spring 2001, 02, 03, 04, 06, 07

The course acquaints students with many aspects of special events designed to instill confidence in youth through agricultural leadership activities. The emphasis in this course is on planning an event, awareness of resources (people and things), developing a log and records regarding the event, and evaluating the effectiveness of an implementation plan and the actual event.

AGED 333 Construction Technology - Fall, 1994; 95, 96, 97, 98, 99, 00, 01, 02, 03

Provides knowledge and skills needed by agricultural and technology education teachers and others who need basic skills in: wood-framing techniques, concrete construction, new construction technologies, materials handling and laboratory safety.

AGED 314 - Power Systems Operation and Control - Fall, 1995, 96, 97, 98, 99, 2000, 01, 02, 03, 04, 05

Study of internal combustion engine systems and the electronic control of these systems. Emphasis on power service, fuel, electrical, ignition and emission systems utilized on modern engines. Lab activities include testing, adjusting and servicing the various systems.

TE 220 - Computer Graphics Design - Fall, 1994

A user-oriented course that provides a variety of experiences in the operation and application of computer graphics hardware and software. Hardware devices include a variety of input and output devices.

AGED 353 - Cooperative Business Principles and Practices-Fall, 1994, 95, 96, 97, 98, 99, 01, 02, 03, 04, 05,06,07

Intended to acquaint students with cooperatives and the cooperative way of doing business. Students learn the role of cooperatives in marketing, bargaining, purchasing and service. Cooperative business decision making is emphasized throughout the course.

AGED 480 Managing A Cooperative Business - Spring, 1995, 96, 98

Focuses on principles of cooperative (patron-owned) management, which utilizes people, capital and facility resources applied to helping adults learn, determining the patrons' needs and evaluating the performance of the business. Explores the strategic planning, accountability and communications inherent to a cooperative business venture.

AGED 309 Philosophy & Programs in Extension - Spring, 1995, 97, 99, 01, 07

This course is designed to introduce prospective county extension workers to the fundamental philosophy, activities and education and planning methods undergirding the Cooperative Extension Service. It includes identification of education and program needs and providing instructional programs for rural and urban youth and adults.

AGED 200 Seminar - See AGED 400 Seminar.

AGED 105 Microcomputers in Agriculture - Spring, 1995, 96, 97, 98, 99, 00, 01, 02, 06, 07

Utilizing microcomputers with selected software to assist in analyzing production inputs for making production and agribusiness management decisions.

EDCI 642 - Seminar in Agricultural Education - Summer 1994.

Team-taught course aimed at infusing agricultural concepts into the elementary classroom. This course focused on methods to enrich the elementary education classroom with food and nutrition information that facilitates the application of basic agricultural principles.

EDCI 565 - Introduction to Adult and Continuing Education - Spring 1991, Fall 1992, Spring 1993, Spring 1994.

Lead instructor of team-taught course designed to provide the learners with competencies and skills in developing and presenting instruction for adults. Discussion and assignments are intended to systematically develop the learner's knowledge, skills and attitudes. Coordinated and conducted this course via the Indiana Higher Education Telecommunications Network (IHETS), January 13, 1993 - May 5, 1993. Seventeen graduate students at eleven IHETS sites enrolled in the course.

EDCI 540 - Program Development in Vocational Education in Agriculture - Fall 1990, 1991, 1993.

This course emphasizes the fundamental practices and applications of managing an agricultural education program at the high school level. It is designed to meet the needs of employed agricultural science and business teachers with less than three years experience or by consent of instructor. Developed Handbook for Planning Indiana Agricultural Science and Business Programs. This handbook is the main reference for the EDCI 540 course.

EDCI 318 - Coordination of Supervised Agricultural Experience Programs - Fall 1992, 1993.

Taught course designed to help prospective agricultural science and business teachers master the competencies needed to advise and coordinate the Supervised Agricultural Experience Programs of secondary agricultural education students.

EDCI 319 - Planning Agricultural Science and Business Programs - Spring 1991, 1992, 1993, 1994.

Taught a comprehensive course in planning and organizing for teaching agricultural education in the public schools in Indiana. The emphasis in this course is on planning at the local level through the development and implementation of courses of study, supervised occupational experience programs, summer programs, and advisory committees in agricultural education - based on individual needs, employment opportunities, and community resources.

EDCI 441 - Field Experience in Agricultural Education - Spring 1991, 1992.

Coordinated field experience in agricultural science and business programs to include observation and participation in the teaching process and program development activities.

EDCI 498 - Supervised Teaching in Agricultural Education - Spring 1991, 1992, 1993, 1994.

Supervised 11 student teachers. Assisted in placement of teachers for student teaching experience. Designed student teaching assignment on developing an agricultural education teaching aid.

EDCI 450 - Techniques of Coordination in Cooperative Vocational Education - Fall 1990, 1991.

Taught course for prospective and present coordinators and supervisors of cooperative vocational programs in public schools. Emphasis on problems of organization, administration, supervision, and operation of cooperative education programs.

EDCI 643 - Contemporary Issues in Agricultural Education - Spring 1992.

Taught course that examined current issues in Agricultural and Extension Education.

## **Contributions to Course or Curriculum Development**

Developed the following new course that was taught in the Fall of 2000 academic year:

AGED 480 – Limited Resource Farmers: Implications for Technology Transfer and Adoption and Diffusion of Innovations – Fall, 2000

An interdisciplinary course for students interested in the complex problems of agricultural development at the local level. The course is designed to acquaint students with the interaction among available resources, existing technology and science, farmers, culture and context, and the role educational channels play in the adoption of innovations (technology and science) to produce more quantity or high quality food and fiber.

Developed the following new courses that were taught in the 1994-95 academic year:

EDCI 549 - Systems of Educational Change in Adult Education

This course is designed to help adult educators become effective change agents, this course will focus on methods used to facilitate the adoption of new ideas and practices by the clients of the practitioner. A major focus will be on the processes and factors involved in the diffusion and adoption of innovations.

AGED 510 -Selected Topics in Agricultural Education

This course focuses on the use of agricultural technologies in the agricultural education classroom. Presents emerging research and information about agricultural technologies. Emphasis on pragmatic application of agricultural innovations in classroom settings. Topics will represent disciplines housed in Purdue's School of Agriculture.

### **Inservice Programs**

Beginning Teacher Workshop

Organized and presented material and activities to new Montana Agricultural Education teachers. Montana Agricultural Education Update. June 2002, 2003, 2004, 2006.

Gallup StrengthsFinder Workshop

Presented overview of Gallup Organization StrengthsFinder project and results to Montana Agricultural Education teachers. Great Falls, MT. June 2000.

Anatomy of a Hot Dog

Organized and presented material, activities and experiments from Meat Science instructional materials to Montana Agricultural Education teachers. Havre, MT. June, 1999.

Animal Welfare

Organized and presented material, activities and experiments from National Council Animal Welfare instructional materials to Montana Agricultural Education teachers. Billings, MT. October 19 & 20, 1995.

Supervised Agricultural Experience Workshop

Coordinated and conducted via the Indiana Higher Education Telecommunications Network, January 27, 1994. Sixty-two Agricultural Science and Business Teachers at twenty-seven IHETS sites enrolled in this workshop. The workshop was held in cooperation with the Indiana State Department of Education.

Food Science and Safety

Organized and presented material, activities and experiments from National Council Food Science, Safety and Nutrition instructional materials to home economics and agricultural educators. Indianapolis, IN. October 1993, January 1994, and March 1994. FHA-HERO National Conference, Anaheim, CA, August, 1993. Provided inservice to Ohio Agricultural Education teachers in summer, 1995.

Groundwater Quality

Presented materials, activities and experiments from National Council "A Hidden Treasure" instructional materials to agricultural education teachers in the following states: New York, Ohio, Virginia, Indiana, Oklahoma, Colorado, South Dakota, Florida, Indiana 1991

Effective Needs Assessments

Presented seminar on Effective Needs Assessments for Adults at Purdue Cooperative Extension Service Training Workshop, February, 1992.

Meat Science Experiments

Presented at Agricultural Science Inservice Workshop, Des Moines, IA, 1990.

### **Graduate Students - Chair/Committee Member**

**Chair****Montana State University-Bozeman**

Mary Anne Anderson, 2008  
Ben A. Meyer, 2007  
Assa Kante, 2007  
Leann Fox, 2006  
Shannon Brooks, 2005  
Keith Duren, 2005  
Katie Cooper, 2004  
Celia Stuart-Whitman, 2003  
Lucas Porter, 2003  
Jennifer Bocksnick, 2003  
Scott Beavers, 2003  
Jim Hafer, 2002  
Roger Hybner, 2001  
Tommy Bass, 2000  
Alex Malcolm, 1998  
Darren Crawford, 1998  
Quinn Holzer, 1998

**Purdue**

Adrienne Ploss, 1994  
Bruce Sillery, 1993  
Phil Allen, 1993  
David Marrison, 1992  
Cynthia Lynch, 1993 – Non thesis

**Graduate Committee Member****Montana State University-Bozeman**

Ricarda Bradbury  
Ward Cotton  
Rick Perleberg  
Lauri Olsen  
Heidi Brewer  
Luke Petriccione  
Greg Hester  
Adele Rahelimihajandralambro  
Ron Carlstrom  
Perry Hoferber  
Bob McBlair  
Will Lanier  
Matt Dawby  
Cindy Arnott

**Purdue**

Ernest Sheldon  
Warren Richards  
Mary Ann Spitzer  
Robert Brady  
Nancy DeMott  
Cherry Delaney  
Carl Boger  
Donald McCay  
Michael Rose  
William Brauer  
Terry Clodfelter  
Cynthia Gribas

### **Development of Graduate Student Guidance Materials**

**Frick, M. J.** (1995). Checklist for Grad Student. Time Line. Available from Agricultural Education Program at MSU-Bozeman

**Frick, M. J.** (1993). Moving to West Lafayette and Surrounding Communities. Available from and distributed by the School of Education Graduate Office.

**Frick, M. J.** (1993). Utility Guide. Available from and distributed by the School of Education Graduate Office.

### **Development of Agricultural Education Recruitment Materials**

Anderson, M. A. & **M.J. Frick** (2006). Agricultural Education Recruitment Video Clip. The video clip presents a dynamic look at the Agricultural Education degree at Montana State University – Bozeman. Length: 4 minutes and 41 seconds. Currently in draft format.

Wallace, H. L. & **M.J. Frick** (2006). College of Agriculture Education Recruitment Video Clip. The video clip presents an overview of Montana State University's College of Agriculture – Bozeman. Length: 4 minutes and 58 seconds. Currently in draft format.

Marrison, D., J. Peters & **M.J. Frick**. (1992). Purdue Agricultural Education Recruitment Multimedia Module. This module was used as a high school recruitment tool.

Hardesty, J., J. Peters & **M.J. Frick**. (1994). Purdue Agricultural Education Recruitment Slide Show. The slide show contained 37 slides that explain the agricultural education program at Purdue and career opportunities.

### **Current Memberships in Academic, Professional and Scholarly Societies**

American Association for Agricultural Education  
Association of Cooperative Educators  
Association for International Agriculture and Extension Education  
National Association of College Teachers of Agriculture  
National Association of Agricultural Education  
Montana Association of Career and Technical Education  
Montana Association of Agricultural Education