

## CURRICULUM VITA

April Carol Mason

Address: 210 L.L. Gibbons Building  
1501 Campus Delivery  
Colorado State University  
Fort Collins, CO 80523-1501

Phone: 970/491-5841

Fax: 970/491-4267

E-Mail: April.Mason@colostate.edu

Nationality: U.S. Citizen

Education: Overseas School of Rome  
Rome, Italy 1974

Mount Union College, Alliance, Ohio  
(Biology) B.S., 1977

Purdue University, West Lafayette, Indiana  
(Plant Physiology) M.S., 1980

Purdue University, West Lafayette, Indiana  
(Foods and Nutrition) Ph.D., 1984

## General Information

### Academic Appointments:

Aug. 2004-Present	Dean, College of Applied Human Sciences Colorado State University
Aug. 2002- 2004	Associate Dean for Discovery and Engagement School of Consumer and Family Sciences Assistant Director Cooperative Extension Service Purdue University West Lafayette, IN
Feb. 1996 – Aug. 2002	Associate Dean for Extension School of Consumer and Family Sciences Assistant Director Cooperative Extension Service Purdue University
July 1994 - present	Professor of Foods and Nutrition Extension Specialist, Purdue University
Jan. 1993 - June 1993	Sabbatical Leave Laboratory of Biochemistry National Heart, Lung and Blood Institute National Institutes of Health Bethesda, MD
July 1989 - June 1994	Associate Professor of Foods and Nutrition Extension Specialist, Purdue University
Sept. 1984 - June 1989	Assistant Professor of Foods and Nutrition Extension Specialist, Purdue University

**Responsibilities as Associate Dean of Engagement of the School of Consumer and Family Science and Assistant Director of the Cooperative Extension Service, 1996-present:**

- Provide leadership and coordination of Consumer and Family Sciences Extension, outreach and continuing education programming for the School of Consumer and Family Sciences and for the Purdue University Cooperative Extension Service.
- Provide fiscal responsibility and oversight for \$2.0 million annual CFS Extension budget.
- Provide oversight to both Extension campus faculty and county field staff members on programming.
- Develop and maintain state contacts in the area of family and consumer outreach programming.
- Serve as Co-PI of the Food and Nutrition Service-USDA Family Nutrition Program contract

**Responsibilities as Associate Dean of Discovery of the School of Consumer and Family Science 2002-present:**

- Oversee the graduate instruction, recognition, and fellowship allocation for the school.
- Coordinate new faculty orientation and continued faculty support and development.
- Coordinate the research proposal identification, submission and award of grants within the school.

**Accomplishments as Associate Dean/Assistant Director:**

- Initiated the first Consumer and Family Science Extension International Rural Development Study Tour. Ireland, May, 2002.
- Led effort to increase the level of understanding of county Extension staff related to accountability and evaluation.
- Helped implement the first Inspiring Families/Building Communities award from the School of Consumer and Family Sciences.
- Addressed the needs of Indiana families affected by the 1996 Welfare Reform legislation through the coordination of specialized programming in the areas of money management, parenting, nutrition and food safety education and childcare.
- Increased visibility and contacts at the state and national level of Consumer and Family Science programming at Purdue University by increased personal contacts with key state and national government and organization leaders.
- Provided vision to develop 1999-2004 Purdue University Cooperative Extension State Plan of Work to address needs of rural and urban Indiana constituents.

- Increased diversity awareness and understanding in the Purdue University Cooperative Extension Service through the efforts of the Diversity Task Force. Served as chair of the Task Force
- With a coalition, instituted Family Impact Seminars for Indiana state legislators.
- Improved communication between Extension campus and field staff through increased written and face-to-face communication.
- Instituted formal merit evaluation of campus Extension Consumer and Family Sciences faculty and staff.
- Worked closely with Dean and Department Heads on the promotion and tenure process for Extension faculty.
- Conducted strategic planning that led to a reorganization of the Expanded Food and Nutrition Education Program in response to reduced federal funding.
- Coordinated an in-depth analysis of the Extension staff development process and gave the Director recommendations for change.
- Conducted an evaluation of the structure and function of the Family Nutrition Program in response to a senior staff member's resignation.
- Chaired a revenue generation study committee for CES Director.
- Coordinated evaluation of grant proposal submission procedures with school business officer.

### **Special Leadership and Administrative Training Programs:**

#### Leading by Design: Emerging Administrators Workshop – July 2001

Workshop sponsored by the Family and Consumer Sciences Administrative Leadership Council focused on the development of leadership in the Family and Consumer Science area.

#### Academic Leadership Program - 1999-2000

Sponsored by the Committee on Institutional Cooperation, the objective of this program is to develop leadership and managerial skills of faculty on CIC campuses.

#### Indiana Agricultural Leadership Program - 1990-1991

Sponsored by the Indiana Institute for Agriculture, Food and Nutrition, this two-year program consisted of 10 three-day conferences in different Indiana locations, a one-week conference in Washington, D.C., and a two-week study tour in Poland and Germany. The program provides participants the opportunity to make contacts with agricultural leaders in Indiana, nationally and internationally.

#### Summer Institute for Women in Higher Education Administration - 1989

Sponsored jointly by Bryn Mawr College and the Higher Education Resource Services, Mid-Atlantic--the program offers women faculty and administrators intensive training in higher education administration.

## **Current Research Interests:**

Current research focuses in the area of availability of key nutrients from plant based food products. Plant based food products provide critical calories and essential nutrients to a large proportion of the world's population. Determination of nutrient availability and what factors can inhibit or promote that availability is important in helping to provide adequate nutrition to millions of people worldwide.

## **Published Work:**

### **Refereed Publications:**

Bruhn, Christine, April Mason: Community Leader Response to Educational Information about Biotechnology. *Journal of Food Science* 67:1; 399-403, 2002.

Kannan, Srimathi, S.Suzanne Nielsen and April Mason: Protein Digestibility-Corrected Amino Acid Scores for Bean and Bean-Rice Protein Based Infant Weaning Food Products. *Journal of Agricultural and Food Chemistry* 49, 5070-5074, 2001.

Kannan, Srimathi, Rodriquez-Burger, Ana Patricia, S. Suzanne Nielsen and April Mason: Iron and Zinc Bioavailability in Rats Fed Intrinsically labeled Bean and Bean-Rice Based Infant Weaning Food Products. *Journal of Agricultural and Food Chemistry* 49, 5063-5069, 2001.

Medeiros, L., V.N. Hillers, P. Kendall, A. C. Mason: Food Safety Education: What Should We be Teaching to Consumers? *Journal of Nutrition Education* 33:108-113, 2001.

Medeiros, L., V.N. Hillers, P. Kendall, A. C. Mason: Evaluation of Food Safety Education for Consumer. *Journal of Nutrition Education*, 33:S27-S34, 2001.

Miller, I. E., W.D. Burgess, A.C. Mason: Fast and Flexible Low Cost Recipes for a Family or Fifty: A Cookbook for Emergency Feeding Programs and Limited-Resource Audiences. *Journal of Nutrition Education* 31:60B, 1999.

Rodriquez-Burger, Ana Patricia, April Mason, and S.Suzanne Nielsen: Use of Fermented Black Beans Combined with Rice to Develop a Weaning Food of High Nutritional Quality. *Journal of Agricultural and Food Chemistry*, 46, 4806-4813, 1998.

Blackburn, G.L., J.A. Milner, B.C. Hansen, S.B. Heynsfield, A.C. Mason, G.E. Gaull: Nutrition Societies Presidents' Forum: Future Challenges and Opportunities for Nutrition Societies in the 21st Century. *American Journal of Clinical Nutrition*, 64: 813-822, 1996.

Pohlman, A.J., O.B. Wood, A.C. Mason: Influence of Audiovisuals and Food Samples on Consumer Acceptance of Food Irradiation. *Food Technology*, 48(12): 46-49, 1994.

Saha, P., C.M. Weaver, A.C. Mason: The Effect of Wheat Phytate Content on Iron, Zinc, Calcium and Selenium Bioavailability in Rats. *Journal of Agricultural Food Chemistry*, 42, 2531-2535, 1994.

Arseneau, D.L., A.C. Mason, O.B. Wood, E. Schwab, D. Green: A Comparison between Learning Activity Packages and Classroom Instruction for Diet Management of Patients with Non-insulin Dependent Diabetes Mellitus. *Diabetes Educator*, 20(6): 509-514, 1994.

Marks, H.S., A.C. Mason: The Bioavailability of Selenium from Soy Flour. *Journal of Nutritional Biochemistry*, 4, 523-527, 1993.

Mason, A.C., C.M. Weaver, S. Kimmel, R.K. Brown: The Effect of Soybean Phytate Content on Calcium Bioavailability in Mature and Immature rats. *Journal of Agricultural Food Chemistry*, 41: 246-249, 1993.

Almanza, B.A., A.C. Mason, R. Widdows, F.J. Girard: Consumer Responses to Nutrition Guidelines Labeling in a University Restaurant. *Journal of the American Dietetic Association*, 93(5): 580-581, 1993.

Sathe, S.K., A.C. Mason, C.M. Weaver: Some Properties of a Selenium Incorporating Sulfur Rich Protein in Soybeans (*Glycine max* L.). *Journal of Agricultural Food Chemistry*, 40(11): 2077-2083, 1992.

Sathe, S.K., A.C. Mason, R. Rodibaugh, C.M. Weaver: Chemical Form of Selenium in Soybean (*Glycine max* L.): Lectin. *Journal of Agricultural Food Chemistry*, 40(11): 2084-2091, 1992.

Sathe, S.K., A.C. Mason, C.M. Weaver: Thermal Aggregation of Soybean (*Glycine max* L.) Sulfur Rich Protein. *Journal of Food Science*, 54(2): 319-323, 1989.

Mason, A.C., P.J. Browe, C.M. Weaver: The Metabolism of Selenium from Soybean and Egg Products in Rats. *Journal of Agricultural Food Chemistry*, 36: 256-259, 1988.

Sathe, S.K., G.G. Lilly, A.C. Mason, C.M. Weaver: High Resolution Sodium Dodecyl Sulfate Polyacrylamide Gel Electrophoresis of Soybean (*Glycine max* L.) Seed Proteins. *Cereal Chemistry*, 64(6): 380-384, 1987.

Mason, April C., Connie M. Weaver: The Metabolism of Selenium from Intrinsically and Extrinsically Labeled Isolated Soy Protein. *Journal of Nutrition*, 116: 1883-1888, 1986.

Weaver, C.M., Schmitt, H.A., Stuart, M.A., Mason, A.C., Meyer, N.C., Elliott, J.G.: Radiolabeled Iron in Soybeans: Intrinsic Labeling and Bioavailability of Iron to Rats from Defatted Flour. *Journal of Nutrition*, 114: 1035-1041, 1984.

Ziemer, M.A., A.C. Mason and D.M. Carlson: In Vitro Cell Free Translation of Proline-rich Protein mRNAs. *Journal of Biological Chemistry*, 257: 18, 11176-11180, 1982.

#### **Published Research Abstracts:**

Forty published research abstracts have appeared from 1978 to 2001.

Mauer, G, S.S. Nielsen, A.C. Mason: Development of Granola Bars Using Black and Red Beans. Institute of Food Technologists, 2002, Anaheim, CA.

#### **Book Chapters and Proceedings:**

Weaver, C.M., A.C. Mason, B. Hamaker: Food Uses. In Designing Crops with Added Value, eds. C.F. Murphy and D.M. Peterson. American Society of Agronomy, 2000.

Mason A.C.: Sharing Knowledge with People: Consumer and Family Science Extension. In For the Greater Good: Contributions of the School of Consumer and Family Sciences at Purdue University to Family Well-Being. Pages 75-88. Editors: Susan Kontos and Shelley MacDermid, Purdue University Press, West Lafayette, IN, 1998.

Mason, A.C.: Selenium. In Trace Minerals in Foods. Edited by Ken Smith. Marcel Dekker, Inc., New York, 1988.

Mason, A.C., C.M. Weaver: Selenium Absorption from Extrinsically and Intrinsically Labeled Soy Products. In: Selenium in Biology and Medicine, Eds. G. Combs, J. Spallholz, O. Levander, J. Oldfield. AVI, New York, New York, 1987.

Rodibaugh, R., C. M. Weaver, A. C. Mason: Incorporation of a <sup>75</sup>Se Label into Agaricus bisporus. *Proceedings of the Indiana Academy of Science*, 95: 111-113, 1986.

Larkins, B.A., A.C. Mason, W.J. Hurkman: Molecular Mechanisms Regulating the Synthesis of Storage Proteins in Maize Endosperm. In: Protein

Turnover, Biosynthesis and Degradation. Critical reviews in Food Science and Nutrition. CRC, February, 199-215, 1982.

Larkins, B.A., K. Pedersen, W.J. Hurkman, A.K. Handa, A.C. Mason, C.Y. Tsai, M.A. Hermodson: Maize Storage Proteins: Characterization and Biosynthesis. In: Genome Organization and Expression in Plants. C.J. Leaver, ed. Plenum Press, N.Y., 203-217, 1980.

**External Funding:**

Angela Abbott, April Mason  
Indiana Family and Social Services Administration  
Division of Family and Children  
\$1,300,000  
10/1/03-9/30/04  
Indiana Family Nutrition Program

Jane Clary, April Mason  
Indiana Family and Social Services Administration  
Division of Family and Children  
\$928,000  
10/1/02-9/30/03  
Indiana Family Nutrition Program

Dennis Savaiano, Carol Boushey, Connie Weaver, George McCabe, April Mason and others  
USDA/IFAFS program  
\$4,982,895  
9/30/00-9/29/04  
Improving Bone Health in Adolescence Through Targeted Behavioral Intervention

Barbara Almanza, Douglas Nelson, April Mason, Joseph Ismail, Sharon DeVaney, Kay Cooksey  
USDA  
\$349,247  
10/1/01-9/30/04  
Safe Handling of Home Delivered Meals to Older Americans

Jane Clary, April Mason  
Indiana Family and Social Services Administration  
Division of Family and Children  
\$728,000  
10/1/01-9/30/02  
Indiana Family Nutrition Program

Christine Bruhn, April Mason, Philip Crandall, Ron Schmidt, Karen Penner,  
Bill Schafer, Julie Albrecht, Lynn Brown, Elsa Murano, Susan Conley  
Integrated Research Education and Extension Competitive Grant Program—  
national Food Safety Initiative, USDA  
\$599,971 (Mason subcontract: \$69,135)  
10/1/00-9/30/02  
Consumer Food Safety and Food Irradiation Education

Jane Clary, April Mason  
Indiana Family and Social Services Administration  
Division of Family and Children  
\$925,000  
10/1/00-9/30/01  
Indiana Family Nutrition Program

Suzanne Nielsen, April Mason  
Bean/Cowpea Collaborative Research Support Program (CRSP), Michigan  
State University  
\$17,083  
10/1/99-12/31/00  
Improvement of Digestibility and Nutritional Quality of Common Bean  
P.vulgaris

Jane Clary, April Mason  
Indiana Family and Social Services Administration  
Division of Family and Children  
\$850,000  
10/1/99-9/30/00  
Indiana Family Nutrition Program

Suzanne Nielsen, April Mason  
Bean/Cowpea Collaborative Research Support Program (CRSP), Michigan  
State University  
\$6,958 (Mason Subcontract)  
10/1/98-12/31/99  
Improvement of Digestibility and Nutritional Quality of Common Bean  
P.vulgaris

Jane Clary, April Mason  
Indiana Family and Social Services Administration  
Division of Family and Children  
\$737,557  
10/1/98-9/30/99  
Indiana Family Nutrition Program

Jane Clary, April Mason  
Indiana Family and Social Services Administration  
Division of Family and Children  
\$726,036  
10/1/97-9/30/98  
Indiana Family Nutrition Program

Wilella Burgess, April Mason  
Family Social Services Administration, Housing and Community Services  
Section,  
Division of Family and Children  
\$47,344  
1/1/97-12/30/97  
Safe Food for Indiana's Hungry '97

April Mason, Wilella Burgess, Thomas Luba  
CSREES USDA Food Safety and Quality Competitive Grant  
\$117,869  
10/1/96-9/30/97  
Safe Food for the Hungry '97: A Focus on Diversity

Suzanne Nielsen, Maurice Bennink, Mark Uebersax, April Mason, Ana Ruth  
Bonilla, Leda Munoz  
Gerber Foundation  
\$70,000  
10/1/95-9/30/97  
Bean/Cowpea Complementary CRSP Project

April Mason, Wilella Burgess, Richard Linton, Douglas Steele, Jane Voichick,  
Mary Mennes  
USDA CSREES  
\$60,000  
9/1/95-8/30/96  
S.T.R.E.T.C.H (Safety Training, Resources, Education to Combat Hunger)

Richard Linton, April Mason, Wilella Burgess, Philip Nelson  
USDA CSREES  
\$25,000  
7/1/95-6/30/95  
Food Safety and Sanitation Training for Retail Food Service Workers

April Mason, Wilella Burgess, William Evers  
Family Social Services Administration, Housing and Community Services  
Section, Division of Family and Children  
\$81,593  
1/1/95-12/30/95  
Safe Food for the Hungry--II

April Mason, Christine Bruhn (University of California, Davis), Olivia Wood  
ES-USDA  
\$40,000  
7/1/94-6/30/95  
Science and Society: A Public Information Program on Food Innovations

April Mason, William Jaffe, Wilella Burgess, Barbara Almanza, William Evers  
State of Indiana Family Social Services Administration  
\$57,776  
7/1/93-6/30/94  
Safe Food for Indiana's Hungry

April Mason, Martin Frick, Wilella Burgess, Tracy Hoover, Mark Tamplin,  
Ann Cooper  
USDA Extension Service  
\$53,895  
7/1/93-6/30/94  
Meeting the Food Safety Educational Needs of Bilingual and Low-literacy  
Youth

William Jaffe, April Mason, James Huss, Jane Voichick  
North Central Regional Center for Rural Development  
\$10,895  
7/1/93-6/30/94  
North Central Regional Network for Prepared and Perishable Food Rescue  
Programs

April C. Mason  
Purdue Research Foundation Research Grant  
\$9,900  
9/1/92-8/31/94  
Expression of the Rat Glutathione Peroxidase Gene in Tobacco and  
Elucidation of the Mechanism of Selenocysteine Incorporation into the Gene  
Product.

George Hosfield, Mark Uebersax, Maurice Bennink, Suzanne Nielsen,  
April Mason, Ray Bressan  
Bean/Cowpea Collaborative Research Support Program (CRSP), Michigan  
State University  
\$120,000 Annually  
7/1/92-6/31/98  
Improvement of Digestibility and Nutritional Quality of Common Bean  
P.vulgaris Through Traditional Plant Breeding, Molecular Biology, and Food  
Technology

April C. Mason  
Michigan State University subcontract from Bean/Cowpea CRSP  
\$17,500  
7/1/91-6/30/92  
Potential Nutritional Impact of a New Sorghum Cultivar

April C. Mason  
Ross Laboratories  
Columbus, Ohio  
\$14,600  
7/1/91-6/30/92  
Bioavailability of Selenium from Soy and Casein-based Infant Formula

April C. Mason, James Chambers, Susan Barkman, Larry Steenson, Maribeth  
Cousin, Peter Muriana, Gary Perdew  
Crossroads, 1990 Indiana State Legislature  
\$150,000  
10/1/90-9/30/92  
Producer to Consumer: Partners to a Safe Food Supply

Barbara Almanza, April C. Mason, Richard Widdows  
Crossroads, 1990 Indiana State Legislature  
\$12,000  
10/1/90-9/30/91  
Consumer Interest in Nutrition Information and Preferred Menu Format as  
Determined from Food Service Consumers

April C. Mason

AES Assistantship  
\$14,000  
9/1/89 - 8/31/91  
The Content and Bioavailability of Selenium from Rice Protein

Avanelle Kirksey and April C. Mason  
Ross Laboratories, Columbus, Ohio  
\$4,786  
7/1/87-6/30/88  
Growth, Gastro-intestinal Intolerance and Metabolic Response of Very Low Birthweight Infants Fed Preterm Human Milk, Banked Human Milk, Similac Natural Care and Similac Special Care

April C. Mason and Connie M. Weaver  
Mead Johnson Nutritional Division  
\$9,380  
1/1/87 - 12/31/88  
The Effect of Soybean Phytic Acid Content on Selenium Bioavailability

April Mason and Connie Weaver  
USDA Soybean Research Program  
\$85,000  
10/1/85 - 9/30/87  
The Characterization of the Form of Selenium in Soybeans

April Mason  
AES Assistantship  
\$14,000  
9/1/85 - 8/31/87  
Bioavailability of Selenium to Rats from a Soy Protein-based Diet

**Journal Editorial Board:**

Associate Editor, The Forum for Family and Consumer Issues

**Manuscript Reviewer for:**

Journal of Nutrition  
The Forum for Family and Consumer Issues  
Journal of Nutrition Education and Behavior  
Journal of Agricultural and Food Chemistry  
Journal of Nutritional Biochemistry  
Journal of Food Science

**Grant Reviewer for:**

USDA SBIR Food Science and Nutrition Panel 2000-01  
USDA National Research Initiative Competitive Grants Program, proposal review, 2003  
USDA National Research Initiative Human Nutrition and Obesity Panel, 2003

### **Involvement in Undergraduate and Graduate Teaching:**

Foods and Nutrition 105: Introduction to Foods and Nutrition. Guest lectures annually on food safety and food security

Foods and Nutrition 320: Community Nutrition. Guest lecture annually on Extension education in community nutrition

Education and Curriculum Instruction 250: Professional Development in Family and Consumer Sciences Education. Guest lecture annually on Extension programming

Foods and Nutrition 615: Mineral Metabolism. Graduate course in mineral metabolism—team-taught 1994, 1996, guest lectures on selenium 1998

Education and Curriculum Instruction 555: Principles of Extension Education. Guest lecture annually on Consumer and Family Science Extension

### **Involvement in Graduate Research:**

#### Major Professor for student theses:

Howard Marks M.S., 1988: The Bioavailability of Selenium from Soybeans.

Rosemary Rodibaugh Ph.D., 1989: Identification of Selenium in Soybeans.

Dondeena Bradley M.S., 1989: The Effect of Phytic Acid on Selenium Bioavailability from Soybeans.

Susan Kimmel M.S., 1992: The Effect of Phytic Acid on Selenium and Calcium Bioavailability from Soybeans.

Puspa Saha Ph.D., 1992: The Effect of Phytic Acid on Calcium, Zinc and Iron Bioavailability from Wheat.

Debora Caise M.S., 1992 : The Effect of Educational Tool on Diabetes Patient Knowledge and Behavior.

Marcia Stanley M.S., 1993 : Effects of Educational Treatment on the Gain and Retention of Food Safety Knowledge by Fifth-grade Students.

Gaitry Iyer Ph.D., 1994: In Vitro Synthesis of Selenium Containing Soybean Storage Proteins.

Lisa Spence M.S., 1996: Magnesium and Diabetes Type II.

Kathy Lyons M.S., 2000: Fermentation of bean-based weaning food products to produce Vitamin B-6.

Giselle Maurer M.S., 2002: Production of a fortified bean snack food.

Devon Durkee M.S., (2004): Reversing the hard to cook defect in dry beans

Heather Eicher-Miller M.S. (2005): Food Insecurity

Served on graduate student committees:

Alam Khan, Ph.D., 1987  
Uma Srinath, M.S., 1988  
Wendy Wilson, M.S., 1988  
Beth Weber, M.S., 1989  
Mary Jane Hoshaw, M.S., 1989  
Jung Kang, Ph.D., 1990  
Julia Watterson, Ph.D., 1991  
Amy Pohlman, M.S., 1993  
Sujatha Rajaram, Ph.D., 1993  
Brian Hay, M.S., 1994  
William Proulx, M.S., 1994  
Denise Benway, Ph.D., 1995  
Judy Lagge, M.S., 1996  
Ana Patricia Rodriguez-Berger, M.S., 1997  
Lisa Davis Ackroyd, M.S., 1999  
Michelle Braun, M.S., (2003)

Visiting Post doctoral scholars:

Shridhar Sathe, Ph.D.  
Professor, Florida State University  
1986-88  
Characterization of soybean proteins

Srimathi Kannan, Ph.D.  
Assistant Professor, University of Michigan  
1995-97  
Nutrient availability from fermented and germinated bean-based weaning food products.

Neuza Costa, Ph.D.  
Associate Professor, Univeristy of Visoca, Brazil  
1997-98  
Effect of Magnesium supplementation on Diabetes Type II in Zucker Fatty Diabetic rats.

## **Accomplishments as Extension Specialist in Foods and Nutrition:**

- **Food Safety:**

In 1990, with state Crossroads grant money, Dr. Mason assembled a team of Extension, Research and Teaching faculty and staff from across the schools of Agriculture, Consumer and Family Sciences and Veterinary Medicine to address critical food safety concerns. The food system, from agricultural production to consumer home food safety, was addressed in program materials including audiovisuals, publications, brochures, and teaching curricula.

- **Food Irradiation:**

Food irradiation is an established mode of food processing for pasteurizing contaminated food product like meats and for increasing the shelf life of foods such as onions and potatoes. Dr. Mason and colleagues in 1994 developed the first audiovisual and teaching curriculum to communicate this food processing technology to consumers. Evaluation data collected over 6 years of programming indicated consumers were more accepting of the food irradiation technology after participating in the educational program. In 2002, Dr. Mason coordinated the revision and update of both the videotape and curriculum package.

- **Safe Food for the Hungry:**

Through the leadership of Dr. Mason, Purdue University is known as a leader in the area of food safety and nutrition programming for not-for-profit food distribution programs. For five years, Mason and colleagues, developed educational materials tailored to not-for-profit food organizations. An advisory committee of representatives from food banks, food pantries and homeless shelters have assisted Purdue University staff in identifying critical areas for program development. The team involved in this project was awarded the Secretary of Agriculture's Team Honor award in 1996 for their efforts. Distance learning techniques were used in this programming to impact the greatest number of people. Materials were posted on a Safe Food for the Hungry website and a day long videoconference was aired by A\*Dec satellite to 45 states and 3 sites in Canada as well as 21 sites in Indiana four consecutive years.

- **Funding for program development:**

Dr. Mason has been able to fund Extension program material development through extramural grants. As federal funding for Extension decreases, funding of special projects through other means is necessary. Funding was received from federal, state and private sources to support important food safety educational programming by Dr. Mason.

## Developed Audio-Visual Materials:

- a. Behind the Headlines, 2002. (V-CFS-722) An 8-minute videotape about food irradiation for a general adult audience. An update of the 1994 The Future of Food Preservation: Irradiation
- b. The Future of Food Preservation: Irradiation. (V-CFS-23) A 12-minute videotape for a general adult audience
- c. Consumer through Producer: Partners to a Safe Food Supply. (CFS-622) Two 12-minute videotapes (one for an adult audience, one for a youth audience), a resource manual, a curriculum guide, and information brochure were developed on food safety.
- d. Meeting the Food Safety Educational Needs of Bilingual and Low Literacy Youth. (CFS-653) Spanish translation of the *Mystery of the Poisoned Panther Picnic* youth videotape from the Producer Through Consumer: Partners to a Safe Food Supply program. Also an adaptation of the curricular material to address children with reading difficulties.
- e. Safe Food for the Hungry. Educational materials developed for volunteers and staff of not-for-profit food distribution organizations. Materials include taped broadcasts of four live videoconferences, printed materials from the broadcasts, a low cost recipe book, a self assessment food safety tool, and training videotapes developed from the materials presented in the broadcasts.

V-CFS-30, Safe Food for the Hungry 1994

V-CFS-27, Safe Food for the Hungry 1994—Training tape

V-CFS-31, Safe Food for the Hungry—II

CFS-12-120, Safe Food for the Hungry—II Site Materials

V-CFS-32, Food Safety Training Tape

V-CFS-33, Nutrition Training Tape

V-CFS-34, Volunteer Management Training Tape

V-CFS-36, Safe Food for the Hungry—Mission Impossible

V-CFS-38, Safe Food for the Hungry '97—A Focus on Diversity

V-CFS-39, Proper Hand Washing with Ken McCan

V-CFS-40, Effects of Time and Temperature on Food Safety with Ken McCan

V-CFS-41, Food Evaluation with Ken McCan

V-CFS-42, Role of Food Choice with Ken McCan

CFS-656, Safety Training, Resources, and Education to Combat Hunger

CFS-657, Fast and Flexible Low Cost Recipes for Family or Fifty

- f. Nutrition and Aging Slide Set. A slide presentation with cassette Audiotape on nutritional concerns for the aging population, 1988.
- g. Dietary Guidelines for Americans Slide Set. A 77-slide presentation with cassette audio tape on the 1985 Dietary Guidelines.
- h. Selenium in Human Nutrition. A 50-slide program detailing the importance of selenium in animal and human nutrition, special diets, and in the experimental treatment of cancer, 1986.
- i. Development of the slide set "Osteoporosis - What You Should Know". An 80-slide presentation developed to communicate the association between diet and osteoporosis, 1985.

**Packaged program guides for Extension Consumer and Family Sciences Educators:**

- a. Food Irradiation (Fall, 1994). A package of materials for use with the food irradiation videotape that includes resource materials, overhead transparency originals, news release, and evaluation instrument.
- b. Diet and Cancer: Theory and Practice (March, 1988). A package of materials includes research evidence linking diet and cancer, overhead transparencies, news releases, and practical diet modification suggestions to assist persons to lower their risk of developing cancer.
- c. Diet and Heart Disease: Searching for Answers (September, 1987). A package of materials was prepared to support a videotape developed on coronary heart disease research underway in the Department of Foods and Nutrition. Topics in this guide include the incidence of coronary heart disease in Indiana, the importance of fat, saturated fat, cholesterol and sodium in the disease, and methods of modifying diets to reduce the risk of developing coronary heart disease.
- d. Development of an osteoporosis leader teaching guide (February, 1985). A leader teaching guide developed to coordinate with the National Dairy Board's slide/tape set "Osteoporosis and You".

### **Specialized Extension Training Programs:**

- a. Foods and Nutrition for Extension Educator course. New educators need to be updated in their Foods and Nutrition specialization. The Foods and Nutrition Extension specialists designed a 15-week intensive course for this purpose. Dr. Mason developed a 7-week course in Food Science. This was first taught in Spring 1987, repeated in January 1989 and January of 1992.
- b. Volunteer Information Provider Program. Dr. Mason, in conjunction with Dr. Dena Targ (CDFS), coordinated a training program for caregivers of older adults. The training materials were developed in Kansas City, Missouri, and were modified by Dr. Mason to include a greater emphasis on nutrition. Drs. Mason and Targ worked with the Indiana state human services agency for this program. The program was piloted in 5 Indiana counties in 1989 with state-wide implementation in 1990 and 1991.
- c. Pills vs. Food, Extension and Dairy Council Electronic Leader Lesson. Presented at the March 1988 electronic leader lesson program broadcast over IHETS to over 500 Extension Homemaker participants. The program was a cooperative effort between Extension Food and Nutrition and the Dairy and Nutrition Council of Indianapolis and presented information on nutrients and nutrition information.
- d. Volunteer Nutrition Consultant Training Program for Head Start. Served as the 1987 Indiana State Coordinator of the American Association of Family and Consumer Sciences-sponsored program to train nutrition consultants for Head Start. Responsible for implementing the program for the Indianapolis area. The training consisted of three 6-hour workshops on Head Start and nutritional concerns of low-income preschoolers. Twenty-five volunteers were trained and then gave 30 hours of their time to Head Start programs in the central Indiana area. September, 1987.
- e. Adult Children and Aging Parents Training. The spring 1987 Extension Consumer and Family Sciences educator training was focused on the issues of Adult Children and Aging Parents. Served on committee of Extension specialists planning this training program. A notebook of materials for all Extension educators was prepared. Dr. Mason wrote and presented the section of the training on "Nutrition and Aging." March 3-5, 1987.

- f. Consumer and Family Sciences Educator In Service--Analyzing the Validity of Nutrition Information. The February 6, 1987 agent in-service training program was centered on information evaluation. Presented with Dr. William Evers "Picking Nutrition Facts from the Fads" to aid Consumer and Family Scientists in their evaluation of nutrition information.
- g. Dietary Guidelines Notebook. The Dietary Guidelines for Americans were first published by USDA/HHS in 1980. Extension Foods and Nutrition has used the guidelines extensively in teaching nutrition lessons. In preparation for a 1985 revision of the guidelines, a notebook of resource materials and general information was compiled by the F&N Extension Specialists. Coordinated the notebook preparation and the training program to present the material to Extension F&N home economists in September 1985. An update of the notebook was developed and distributed with training in February of 1996.

**Extension Publications:**

**Food Safety**

USDA	A Citizen's Guide to Food Recovery. USDA Food Recovery and Gleaning Initiative, 1996.
ID-201	Martin, M.A., J.R. Riepe, A.C. Mason, P.E. Dunn: Agricultural Biotechnology--Before You Judge. Purdue University, West Lafayette, IN, 1996.
RB-990	Edwards, C.R., T.N. Jordan, M.A. Martin, A.C. Mason, J.R. Riepe, F. Whitford: Toward a Complete and Consistent Data Set: An Assessment of Pesticide Use Surveys for Ten Commercial Crops 1975-1991. Purdue University, West Lafayette, IN, 1993.
HE 119	Keeping Food Safe During Emergencies. Jo Carol Chezem, Wilella Burgess, April Mason, 1993
HE 636	The Pesticide Paradox. Wilella Burgess, Fred Whitford, April Mason, 1993.
HE 625	What are all Those Chemicals in My Food? Wilella Burgess and April Mason, 1993.
HE 624	It Must Have Been Something I Ate! Wilella D. Burgess and April C. Mason, 1992.
HE 611	Producer through Consumer: Partners to a Safe Food Supply. April C. Mason and Wilella D. Burgess. 1991.
HE 621	Producer through Consumer: Partners to a Safe Food Supply. Videotapes and curriculum package. April C. Mason and Wilella D. Burgess, 1991.

HE 622            Producer through Consumer: Partners to a Safe Food Supply. Reference manual for Extension educators. April C. Mason and Wilella D. Burgess, 1991.

### **Nutrition**

CFS 608            Women's Nutritional Issues. JoCarol Chezem and April C. Mason, New Publication, 1991.

CFS 605            Nutrition and Aging. JoCarol Chezem and April C. Mason. New Publication, 1991.

NCR 289            Multiple Choice. Pamela R. Estes, William D. Evers, and April C. Mason. New North Central Regional Publication, 1988.

HE 143            Picking Nutrition Facts from the Fads. April C. Mason and William D. Evers, 1988

CES 194            Food Additives. Sandra L. Andrews and April C. Mason. New Publication, 1987.

HE 150            Osteoporosis: What You Should Know. April C. Mason, 1987.

### **Food Preservation**

HE 131            Uncooked Jams. Gaitry Iyer, April Mason, William Evers, 1993.

HE 129            Using and Caring for Your Pressure Canner. William D. Evers and April C. Mason. Revised publication.

HE 131            Uncooked Jams. April C. Mason and William D. Evers. Revised publication.

HE 132            Safe Home Canning of Low-acid Vegetables. William D. Evers and April C. Mason. Complete revision and rewrite.

HE 133            Safe Home Canning of Fruits. April C. Mason and William D. Evers. Complete revision and rewrite.

HE 134            Safe Home Freezing of Vegetables. William D. Evers and April C. Mason. Revised publication.

HE 135            Safe Home Freezing of Fruits. April C. Mason and William D. Evers. Revised publication.

- b.    Electronic Food Rap - Newsletter sent weekly via electronic mail. This newsletter contains recent updates in nutrition and food science research. It is distributed to Extension Consumer and Family Sciences educators in Indiana, Purdue Foods and Nutrition faculty, Consumer and Family Sciences Extension specialists, and the advisors and consultants serving on the Foods and Nutrition Advisory Subcommittee as well as Extension specialists nationally.

### **Extension Conferences Attended:**

- a. 1986 - ECOP Food and Nutrition National Workshop: Extending the Known, Exploring the Unknown.
- b. 1988 - National Initiative Workshop: Improving Nutrition, Diet and Health.
- c. 1990 - North Central Regional Food Safety Meeting.
- d. 1990 - ECOP Risk Communication Workshop.
- e. 1993 - ECOP Food and Nutrition National Workshop: Member of program planning committee, March, 1993, Washington, DC.
- f. 1994 - ES-USDA Food Safety National Conference: Regional contact and planning committee, May 1-3, 1994, Indianapolis, IN.
- g. 1996 - CSREES New Administrators Meeting, October 1-2, 1996, Washington, DC.
- h. 1997 - CSREES Government Performance and Results Act: Regional Orientation, April 14-16, 1997, Madison, WI.
- j. 1998 - CARET Lay Leadership conference, March, 1998, Washington, DC.
- k. 1999 – CSREES National Assistant Directors meeting, February, 1999, Washington D.C.
- l. 1999 – CSREES National Assistant Directors meeting, October, 1999, Greensboro, North Carolina. Planning committee.
- m. 2000 - CARET Lay Leadership conference, March, 2000, Washington, DC.
- n. 2000 – CSREES North Central Region Assistant Directors study tour, March, 2000, Washington, D.C.
- o. 2000 – CSREES National Assistant Directors meeting, October, 2000, Baltimore, MD. Planning committee.
- p. 2001—National CSREES Foods and Nutrition Specialist conference, March, 2001, Washington, D.C. Planning committee.
- q. 2002—CSREES National Assistant Directors Meeting, October, Kansas City, MO.
- r. 2003—CSREES National Assistant Directors Meeting, September, Salt Lake City, UT.

**University, Extension and departmental committee responsibilities:**

Service Engagement Advisory Board, to advise Vice Provost for Engagement—2003-present  
University Graduate Council—2002-2003  
North Central Accreditation Criterion III committee for Purdue University—1998-2000  
Distance Learning Advisory Board—1996-2001  
Chair, North Central Extension Assistant Directors, FCS—1998/9  
Secretary, North Central Extension Assistant Directors, FCS—1997/8  
Chair, CFS Anti-harassment committee—1997-1999  
Co-Chair, Purdue University CES Diversity Task Force—1996-2000  
4-H Department Head Search Committee--1997  
Extension Northwest, East, Southeast District Director Search Committee--1996  
Chair, Faculty position Search Committee, Department of Foods and Nutrition--1994  
Faculty Position Search Committee, Department of Animal Sciences--1994  
Purdue University Cooperative Extension Specialists Association--1984-present  
    President-elect--1994-95  
    President--1995-96  
Women and Minorities Advisory Committee, Graduate School--1993-95  
University Search Committee for Affirmative Action Director--1994  
Consumer and Family Sciences Internationalization Committee--departmental representative 1991-1999  
Consumer and Family Sciences Extension CORE Committee--specialist representative 1985, 1986, 1990-92, 1994  
Department of Foods and Nutrition Graduate Committee, 1986-91  
Interdepartmental Graduate Program in Food Science--Preliminary Examination Committee, 1987-90, Chairperson 1988-90, IGPFs chair 1990-92  
CFS Academic Grade Appeals Committee, 1987  
CFS Faculty Affairs Committee, 1986-89, Chairperson 1988-89  
University Fellowship Committee, 1987  
Foods and Nutrition Society faculty advisor, 1987-91  
Council on the Status of Women, 1990-96

**Offices held in state, national, and international societies:**

1985-86      Hoosier Chapter, Phi Tau Sigma, Treasurer  
1986-89      Indiana Section, Institute of Food Technology (IFT), Treasurer  
1986-88      Indiana Association of Family and Consumer Sciences, District III,  
                  Secretary  
1987-88      Hoosier Chapter, Phi Tau Sigma, President  
1987-88      Indiana Nutrition Council, Ways and Means Committee, Chair  
1989-90      Indiana Section, Institute of Food Technology, Chair-Elect

1988-89 Indiana Association of Family and Consumer Sciences, District III,  
President-Elect

1989-90 Indiana Association of Family and Consumer Sciences, District III,  
President

1989-91 Indiana Association of Family and Consumer Sciences Annual  
Meeting,  
Program Chair

1990-91 Indiana Section, Institute of Food Technologists, Chair

1990-92 Indiana Nutrition Council, President

1992-1997 IFT--Nutrition Division Executive Council member

1994-95 IFT--Nutrition Division Chair-Elect

1995-96 IFT--Nutrition Division Chair

1994-96 IFT Babcock-Hart Award Jury Committee

1994-96, 1998 IFT Journalism Award Jury Committee

1994-1998 IFT Expert Panel on Food Safety and Nutrition

1994-present IFT Food Science Communicator

1997-1999 IFT--Extension Division Executive Committee

2000-2001 IFT—Advisory Committee, Office of Science, Government and  
Technology

2002 ASNS RIS Chair Community and Public Health

2001-2003 IFT Food and Nutrition Science Alliance (FANSA) representative

2003 ASNS Osborne Mendel Award Jury Committee

Awards and Honors:

Phi Sigma Outstanding Biology Senior - 1977

Outstanding Senior Woman - Mount Union College - 1977

Outstanding Contribution to Nutrition Education -  
Dairy Council, Inc. - 1986

Indiana Home Economics Association New Achiever Award - 1989

Junior Extension Specialist Award - Purdue University Cooperative  
Extension Service - 1991

Kappa Omicron Nu - Faculty inductee - 1993

Gamma Sigma Delta - Award of Merit - 1995

Epsilon Sigma Phi – North Central Region - Mid-Career Award - 1995

Team Extension Award - Purdue University Cooperative  
Extension Service - 1995

USDA Group Honor Award for Excellence, Team Leader - 1996

Ann Hancock Award - Purdue University Cooperative Extension Service -  
1996

Epsilon Sigma Phi State Team Award for Impact Training – 2001

Epsilon Sigma Phi State International Facilitation Award for  
International Study Tour - 2002

## Memberships in Academic, Professional and Scholarly Societies:

- a. Sigma Xi
- b. Phi Tau Sigma
- c. Indiana Academy of Sciences
- d. Indiana Nutrition Council
- e. Indiana Association of Family and Consumer Sciences
- f. American Association of Family and Consumer Sciences
- g. Institute of Food Technologists
- h. Purdue University Cooperative Extension Specialists Association
- i. American Society for Nutritional Sciences
- j. Epsilon Sigma Phi - Extension Fraternity
- k. Gamma Sigma Delta

## **Consulting**

### Lafayette Food Finders Food Bank.

Elected to the board of the Lafayette Food Finders Food Bank in 1995. Serves on the Personnel and Public Relations committees of the board. This activity is directly related to ongoing work with not-for-profit food assistance programs. Term ended 12/00.

### National Food Processors Association Food Labeling Education Project.

Served as the IFT representative to the National Food Processors Association Food Labeling Education Project group. September, 1991-June, 1993.

MUCIA Indonesian Second University Development Project. Invited as a consulting visiting scholar to work in Bogor, Indonesia, at the Agricultural University of Bogor (Institut Pertanian, Bogor). During the time period July 25-September 25, 1988, assisted in the development of nutrition education programs for use in an Extension-type health promotion network, graduate curriculum development, and identification of research needs.

### National Dairy Promotion and Research Board Consultant.

Served as a member of an advisory group to develop a calcium education videotape for use with Extension audiences called "Calcium for the Prime of Life." A teaching guide was developed to accompany the videotape and reviewed by the advisory group. Videotapes and teaching guides are available for CFS Extension educator use, March 1987.