UNIVERSITY OF MISSOURI

Extension

Marion County 2011 Annual Report

Return on Investment
2011 Programs of Distinction

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"Equal opportunity is and shall be provided to all participants in Extension programs and activities, and for all employees and applicants for employment on the basis of their demonstrated ability and competence without discrimination on the basis of their race, color, religion, sex, sexual orientation, national origin, age, disability, or status as a Vietnam-era veteran. This policy shall not be interpreted in such a manner as to violate the legal rights of religious organizations or military organizations associated with the armed forces of the United States of America."

Report cover: designed by Palmyra H.S. student, Samantha Kroeger
January, 2012

Greetings:

We are pleased to offer a highlight of programs conducted this year in Marion County. Most topics are initiated and guided through input to the Extension Council from citizens and/or content area groups.

Interaction with other agencies, through a variety of networks and collaborations plus applied research projects contributed as well to the direction of the overall educational program offerings.

Several methods are used to assist a “diverse student body” in lifelong learning pursuits.

We continue to salute our many volunteers, community leaders and extension council members, past and present, who continue giving time and talents supporting the mission.

Salute!

Yours truly,

Kent O'Bryan
Chairman

Ellen Goodwin
Secretary
January 2012
Dear County Commissioners and Associated Friends of MU Extension:

“Efficiency” and “Innovation” are two watchwords of citizens and government in our currently challenging economy. I am pleased to report that University of Missouri Extension has kept these words in the forefront and acted accordingly for the benefit of Missouri residents statewide.

Funded through the support of federal, state and county government; grants and contracts; fees for services; and private gifts, MU Extension leverages every dollar received to create expanded educational opportunities. Every dollar provided from counties is leveraged with an additional $6.00 to create a significant return on investment.

MU Extension creates value for citizens – including those who do not participate directly in its programs. For example:

- The federal Expanded Food and Nutrition Program provided $1.6 million to the state of Missouri. These funds provide nutrition education to limited-resource families. Participants who graduate from the program improve the way they manage their food dollars; demonstrate acceptable food safety practices and make healthier food choices. A healthy labor force is critical to attracting and keeping jobs in Missouri. In addition, this important program reduces healthcare costs over the participant’s lifetime, saving taxpayers money in reduced public healthcare benefits and insurance premiums.

- 2011 has been a difficult year due to natural disasters in Missouri. The MU Extension statewide Community Emergency Management Program and local emergency management groups provided immediate on-site assistance by coordinating with the State Emergency Management Agency, Red Cross and other groups and by providing online resources through web pages and other media. As a result, citizens learned how to avoid scammers, ensure safe drinking water and food, and recover from a disaster. MU Extension’s emergency management program helps communities, businesses, schools and residents reduce a community’s disaster recovery period. This action saves lives and countless dollars in emergency recovery operations and avoids job loss. Additionally, the whole community builds a greater sense of cohesion.

These are just two examples of MU Extension’s public value impact. I’m sure you will find many other examples in your local community.

I want to thank you for your support of MU Extension as a critical team player in your locale. Your ideas for improving our partnership are always welcome.

Sincerely,

Michael D. Ouart
Vice Provost and Director
Marion County Extension Council 2011
Chairman – Kent O’Bryan
Vice Chairman – Kenny Lovelace
Secretary – Ellen Goodwin
Treasurer – Jason Hancock

Members:
- Shane Albertson
- David Damron
- Steve Hawker
- Elaine Longacre
- Mary M. Myers
- Albert Pabst
- Carol Peiter
- Megan Sharpe
- Michael Spaulding
- Randy Spratt
- Glenn Wagner
- Julia Wilson
- Jim Yarbrough

Faculty & Staff Serving Marion County

Palmyra based staff serving Marion and other counties:
- David Hill – Community Development/CPD
- Alix Carpenter – Agronomy
- Sherry Nelson – Human Development
- Don Nicholson – 4-H Youth Development
- Mary Smyser – Family Nutrition Program
- Becky Mannigel – Family Nutrition Program
- Lisa Gordley – Family Nutrition Program
- Jody Meyers – Secretary
- Betty Schappaugh – Secretary

Serving Marion County from other locations:
- Wendy Brumbaugh – Family Financial Education
- Karisha Devlin – Agri-Business
- Max Glover – Plant Sciences
- Charles Holland – Business Development
- Al Kennett – Livestock
- James Meyer – Nutrition and Health Education
- Joe Kendrick – MAESTRO coordinator

Northeast Region Administrative Office – Palmyra:
- Dr. Soneeta Grogan – Regional Director
- Ruth Jeffries – Administrative Associate

Additional support for Marion County programs is available throughout the University of Missouri, and throughout the national Land-Grant System.
The Marion County Extension Center is located at:
100 S. Main, Room 201, Palmyra MO 63461.

Phone number: 573-769-2177       Fax number: 573-769-2178

Office email: Marionco@missouri.edu

County web page: http://extension.missouri.edu/marion

Office hours throughout the year are 8:00 a.m. – 5:00 p.m.,
Monday through Friday.
Agriculture Lenders Attend Seminars in NE Missouri: Forty-two lenders attended one of the Northeast Missouri Ag Lenders’ Seminars held in Kirksville and Hannibal taught by Darla Campbell, Joe Koenen and Karisha Devlin.

During these one-day seminars, lenders learned about Crop and Livestock Outlook; Rents and Trends; Missouri Agriculture and Small Business Authority, Preview of the New Farm Bill; Economic Conditions in the 8th District; Missouri Agricultural Energy Saving Team – A Revolutionary Opportunity; North Missouri Cattle Budgets; and Local Food Marketing Opportunities. On a scale from 1 to 10 with “1” being very little value and “10” being very valuable, the average score was a “9” with both sites averaged together. The lenders in attendance handle loans of over $210 million to agriculture operations totaling over 795 different loans in Northeast Missouri according to evaluation totals they submitted. This annual event is an excellent opportunity for lenders and for Extension Specialists to work and learn together to help our clients throughout the year.

Annie’s Project: Two Annie’s Project courses were held this year. The locations included Palmyra and Moberly. The programs were delivered through face-to-face instruction and through interactive television. Eighteen women participated in the courses. The topics taught were risk management, record keeping software, ownership of property, insurance, financial statements, spreadsheets, writing a business plan, estate planning, leases, communication issues, personality traits, and marketing. Instructors included area Extension Specialists Darla Campbell, Joe Koenen, Karisha Devlin, Wendy Brumbaugh, Alix Carpenter and Charles Holland.

Annie’s Project provides farmwomen with the knowledge, skills, and abilities to make informed risk management decisions regarding their farm business operations. This enables farmwomen to become better managers, and in turn, increase the viability of their farming operation. It also gives farmwomen an opportunity to network and interact with other women involved in agriculture.

All participants indicated a gain in knowledge as a result of participating in Annie’s Project. Eighty percent (80%) of participants indicated a behavior change as a result of participating in the course. These changes include: checking how property is titled, reviewing/evaluating leases, adding "transfer on death" (TOD) and "payable on death" (POD) on titles and accounts, communication with family and business partners,
prepared/analyzed balance sheet, and reviewed insurance policies. In regard to actions they will take as a result of the course, participants indicated they will:
- start a business plan
- start managing farm financial records
- develop a marketing strategy for farming operations
- set goals for family and farm business

Selected comments:
- “I was surprised by how much I learned and now want to know more!”
- “I changed my mind about the direction the business and farm will go.”
- “I plan to start implementing ideas in 2012.”
- “I wished I had known this information, years ago!”

Farm Business Analysis and Counseling
Karisha Devlin offered free confidential counseling and individual assistance to several producers in Marion County. She worked with producers on finding the right farm record system for their operation, bull leasing, land values, custom farming, cash rental rates and lease questions. She also met with one producer and helped set up the farm records on QuickBooks.

Farm Lease Concerns Still High on People’s Minds: Farm lease questions and disagreements have become the top of the list as far as most asked questions of Agricultural Business Specialists Joe Koenen and Karisha Devlin in the last five years. There are multiple reasons for this, including high crop prices, a continued higher return for land than other investments and a greater realization of the assistance that University Extension provides. More and more landowners are not rural residents and are not familiar with traditional Agricultural practices.

Sixty-five persons attended the Farm Lease Program via interactive 2-way television or ITV on September 14 in six locations throughout Northern Missouri. The date was chosen due to the fact that farm leases are typically terminated or re-negotiated in the fall of the year. Attendance continues to be good and people are willing to drive more than 100 miles to receive this information. Evaluations showed that 92% of attendees would recommend the program to others. In addition, 84% now know where to find lease forms and where to get further assistance and 82% understand that a lease is a legal, binding contract. Lease termination continues to cause many conflicts so knowing the law on termination will lessen those
conflicts in the long run. Several persons unable to attend requested the program materials.

Topics included current rental rates and trends, specific items to include in a farm lease, terminating a farm lease correctly, lease hunting issues, and crop and livestock share lease concerns. Farm leases will remain a critical area of concern with the number of absentee landowners growing and so this information is valuable to those folks as well as to our local producers.

Agronomy and Horticulture

Ag Info Newsletter: The Ag Info newsletter is a bi-monthly publication, edited by Alix Carpenter, with contributions by Alix Carpenter, Karisha Devlin, Zac Erwin, Max Glover, and Al Kennett. The newsletter contains articles on current issues in farm management, livestock, horticulture, and agronomic issues and publicizes upcoming programs. The newsletter is distributed to approximately 2,700 agricultural producers and related persons in Clark, Knox, Marion, Ralls, Pike, Shelby, Lewis and Monroe counties.

Private Pesticide Applicator Training: Alix Carpenter provided training for 128 private (producer) pesticide applicators in 2011. These producers were from throughout the northeast region, as well as several surrounding areas. Fourteen three-hour long training sessions were held in Adair, Clark, Lewis, Marion, Monroe, Ralls, Pike, Randolph, Schuyler and Scotland counties. The courses covered a variety of safety, calibration and pest management issues associated with proper and safe pesticide use. Through this course, agricultural producers were able to obtain certification or recertification of a private pesticide applicator’s license. Those who were not able to attend these meetings were provided the opportunity to review the same information and become (re)certified on a walk-in basis. Those certified at these meetings included 55 Marion County producers.

Putting Small Acres to Work: Alix Carpenter assisted with the planning and conducting of this annual one-day seminar held February 12, 2011, in Quincy, Illinois. The day-long program is geared toward small-scale and niche farmers. She presented a program on IPM (Integrated Pest Management). The seminar was attended by 67 producers; four from Marion County, three from Ralls County, and one each from Lewis and Pike counties.

Tri-State Agronomy Conference: In conjunction with University of Iowa Extension and University of Illinois Extension, the first annual Tri-State Agronomy Conference was held in Keokuk, Iowa on February 16, 2011. Producers learned about herbicide-resistant weeds from Western Illinois University, a Marketing Update from FAPRI (University of Missouri), and Land Price Increases from Iowa State University. This event will rotate through the three states, with the 2012 conference held in Missouri.
Growers and the general public benefit from the additional food and environmental benefits that result from growers using research proven management practices.

Northeast Missouri No-Till and Crop Management Seminar: The 16th annual Western Illinois - Northeast Missouri No-Till and Crop Management Seminar is a one-day seminar, held January 28, 2011, covering a variety of issues in no-till and conventional crop production. Targeted to both producers who are already using no-till practices and those who are considering adopting these practices, the seminar addresses emerging issues in no-till crop production. One hundred thirty-five people attended from Missouri, Illinois, and Iowa; 41 of these were from Clark, Lewis, Marion, Pike and Ralls counties.

Producer Consultations: Alix Carpenter made farm visits and/or consulted via telephone and email with producers in Adair, Clark, Lewis, Marion, Monroe, Ralls, Pike, Randolph, Schuyler and Scotland counties this year. Farm visits were for evaluation of nitrogen loss and related potential crop yield, fertilizer rates and carryover, corn and forage insect identification, corn, soybean, and wheat stand evaluation, pasture evaluation, and effects of excessive rainfall and drought on crop stand. Additionally, Alix consulted via telephone with 308 agricultural producers from throughout the region on a variety of agronomic issues.

Horticulture Consultations and Programs: Alix Carpenter, Agronomy Specialist, and Max Glover, Plant Sciences Specialist, provided in-person, telephone, and email consultation on horticultural issues such as disease and insect identification, lawn care and reseeding, vegetable gardening, and soil fertility to over 50 people in the county.

Salt River Master Gardener Club: Alix Carpenter serves as advisor to this group of certified Master Gardeners who meet monthly, and are residents of Marion, Lewis, Monroe, Ralls and Pike counties. The group has an educational program at each meeting, and members mentor newly graduated Master Gardeners. Meetings also serve as a clearinghouse for information and assistance with volunteer projects. Members of this group have developed curriculum for, and taught, groups at the Hannibal Public Library, local (Monroe City, Hannibal) elementary and middle schools, local garden clubs, Hannibal museums, Master Gardener training classes and numerous other groups. The group continues to maintain their demonstration garden in downtown Hannibal, which serves as a learning location for interested persons from both within and without Missouri. The group hosted the 2011 Missouri Master Gardener Conference in Hannibal September 23-25, 2011. This conference was attended by 124 persons --17 of which were Marion County residents.

Management Intensive Grazing: As Management Intensive Grazing school University of Missouri Extension northeast region coordinator, Alix Carpenter planned and taught at two schools which were held in the region: Lancaster (August 12-13, 2011) and Hannibal area (August 19-20, 2011). Benefits of intensive grazing systems include reduced production costs, increased animal output per acre, land use efficiency and environmental acceptability. Such schools are a mandatory prerequisite for producers
seeking DSP-III cost-share funds through their local Soil and Water Conservation District. The Hannibal area grazing school was attended by 13 students from Marion, three from Ralls County and four from Pike County.

**Livestock Production**

**Beef Improvement Program:** Ten beef producers in Marion County are enrolled in the Northeast Missouri Beef Improvement program. The regional livestock specialists assist these producers with their performance record program by taking weaning and yearling weights and measuring frame scores on all calves born. Eight producers sell bulls in the Northeast Missouri Performance Tested bull sale held annually in Palmyra.

Seven producers from Marion County purchased bulls in the N.E. Mo. Performance Tested Bull Sale and numerous others purchased bulls directly from breeders enrolled in the performance tested program. This value-added bull sale averaged $3,546 on 45 head of bulls in 2011.

**Show-Me-Select Replacement Heifer Program:** Seven beef producers in Marion County are enrolled in the Missouri Show-Me-Select Replacement heifer program. All of these producers sell heifers in the Show-Me-Select Heifer Sale held in Palmyra, which is a value-added sale and program.

Five producers from Marion County purchased heifers in the Show-Me-Select Heifer Sale. In 2011 the sale averaged $2,012 on 255 head, which was an all-time high.

The regional livestock specialist coordinates the Show-Me-Select heifer program and sale in Northeast Missouri. Over the 14 years the sale has been held the total income from the sale has been $4,884,650. A total of 25,000 head have been marketed through the program.

**Lewis/Marion County Cattlemen’s:** University Extension and the regional livestock specialist work closely with the Lewis/Marion County Cattlemen’s Association in conducting educational meetings and tours that benefit area cattlemen.

Four educational beef meetings were held in 2011. Average attendance at the meetings was 70. A very successful fund raising event was held to raise funds for scholarships for Lewis and Marion counties kids. Over $28,000 was raised. The Cattlemen’s Association awarded $19,000 in scholarships for 2011.
**Beef Cattle Bus Tour:** The Lewis/Marion Cattlemen’s Association and University Extension hold an annual beef cattle bus tour. In 2011, 55 producers went on the tour to five livestock related operations in Central Missouri as well as the beef tour facilities at the University of Missouri.

**Beef Cattle Rations:** The regional livestock specialist worked individually with 25 beef producers in Marion County in developing beef rations. The use of by-product feeds was a major emphasis in many of these cases. Forage analysis was also conducted in several cases. The use of wet by-products feeds was of interest to many producers.

**Ag Info Newsletter - Livestock:** The *Ag Info* Newsletter was mailed to 400 producers in Marion County in 2011. This newsletter is written by the Extension Ag specialists working Marion County and is mailed bi-monthly. The newsletter contains timely information for Ag producers on livestock and crop production and management and Ag business information.

**Premier Beef Marketing:** The Premier Beef Marketing program was established in Missouri to help small groups of beef cow-calf producers to form a marketing cooperative in order to market their calves. The calves are commingled and sorted into uniform lots so as to provide pot-load lots of calves for marketing.

NEMO Beef Marketers were organized in the four county area surrounding Monroe City. They have eight members from four counties including four from Marion County. In 2011 they commingled and sold 380 calves. Since they organized in 1999, they have marketed almost 7,500 head of calves.

When calves are sold as finished cattle, the producers in the group get complete performance and carcass data to use for improvement in their herds.

The regional livestock specialists work closely with the group in commingling the calves and working with the returned data to help make breeding herd improvements.

**Beef AI Breeding Program:** The use of artificial insemination (AI) breeding in beef cattle has increased over the past five years as a result of new technology in this area including Fixed-Time AI demonstration done in the region.

As a result the NEMO Beef Cattle Improvement Association (BCIA) owns three AI breeding boxes which are available for use in the area. These boxes help improve the conception rate when using AI.

In 2011 28 area producers used the boxes for a total of 48 days with approximately 2,000 cows and heifers being AI bred in the boxes.

Area livestock specialists coordinate this program.
Community and Business Development

As entrepreneurs and innovators, Missouri’s small businesses are becoming a more diverse group that continues to make the state’s economy productive. Nearly 98 percent of all businesses with employees are categorized as small businesses. In assisting the owners and managers of those businesses, MU Extension contributes to a county’s economic development through growth in jobs, sales, innovation, technology development and commercialization.

In Marion County, during 2011, business development program specialists and business counselors with MU Extension, Missouri Small Business & Technology Development Centers (MO SBTDC), Missouri Procurement Technical Assistance Centers (MO PTAC), Missouri Environmental Program, Missouri Career Options Project, and the Missouri Market Development program served 15 people and their companies with business start-up and management counseling, training and other assistance. In addition, entrepreneurs and business owners in Marion County reported the following economic impact and activity as a result of the services provided by the MU Extension Business Development Program:

- New jobs: 4
- Sales increases: $1,513,293
- New businesses: 1
- Jobs retained: 12
- Loans and investments in business: $790,000
- Acquired assets: $9,000
- Clients/companies receiving business counseling: 15
- Business training attendees and conference participants: 5

The University of Missouri Extension’s Business Development Program exists to help Missouri’s entrepreneurs succeed in private enterprise and to promote the economic development of the state of Missouri. The Business Development Program provides the tools, the resources, the network and the expertise to assist entrepreneurs to bring their ideas to fruition.

Strengthening Nonprofit Organizations and Public Boards

Building Stronger Nonprofit Organizations Via Board and Volunteer Training:
Area nonprofit organizations (NPOs) participated in customized interactive, informative and educational consulting sessions to learn new approaches to improving the management, leadership and fund-raising skills of key staff and volunteers. Topics included: Board Development (legalities and practicalities, meeting management, committee use), Effective Planning, Fund-raising Basics, Personnel Management, Cash-Flow Control, and Internal NPO Affairs.
MU Extension field faculty utilizing data population data bases of the Office of Social and Economic Data Analysis (OSEDA) teach local decision-makers to become more able to use timely and relevant information about Missouri to help manage public services, general revenue, determine markets, foster employment, enhance public health and improve schools.

1. Student leader and new teacher/mentor sessions for Hannibal High and Middle Schools and

2. Community Session for Youth and Adults. Sessions in the initial series were:
   - It's all about RESPECT
   - Race, Culture & Ethnicity, Playing My Part
   - Unpacking the Rules of the Game (Humanistic Aims and Cultural Respect)
   - Difficult Dialogues: “Those students"
   - Teaching for Pluralist Democracy
   - Promoting Respect in Our Community: Communicating a commitment and exploring areas of concern, areas of strength and exploring new possibilities.

Hannibal Racial Justice Video Series: A Symposium For ALL People: The Symposia provided insight into the cause of racism, the negative impact it has on a community, and tools we can use to eliminate racism in our community. The evenings consist of watching a film, sharing in dialogue and open discussion to engage the community about the adverse impacts of our history, the opportunities of today and ways of uniting in change for our future. From that symposia, arose:

1. Student leader and new teacher/mentor sessions for Hannibal High and Middle Schools and

2. Community Session for Youth and Adults. Sessions in the initial series were:
   - It's all about RESPECT
   - Race, Culture & Ethnicity, Playing My Part
   - Unpacking the Rules of the Game (Humanistic Aims and Cultural Respect)
   - Difficult Dialogues: “Those students"
   - Teaching for Pluralist Democracy
   - Promoting Respect in Our Community: Communicating a commitment and exploring areas of concern, areas of strength and exploring new possibilities.

Public Board Training Fills Critical Need: Citizens have very high expectations of their governmental officials no matter in which position or upon which board they serve. Missouri has the most governmental boards of any state and many of them receive little or no training to assist them in learning their jobs. Some specific board concerns made this a critical topic in the early summer of 2011.

A two-session program to educate board members on the Missouri Sunshine Law and board member responsibilities was held in June of 2011. Tony DeLong, Joe Koenen, Debby Whiston, Darla Campbell and David Hill all presented parts of the program. There were 44 individuals that attended the program in three locations (Unionville, Palmyra and Memphis) from throughout Northeast Missouri. Topics covered included: How to Hold an Effective Meeting, University of Missouri Extension Resources for Boards, Record Retention, Board Procedures and Personnel Policies, Missouri’s Sunshine Law, Fiscal Responsibilities and Liability Issues and Concerns for Boards. The attendees’ comments included “feel all boards should be required to take this training” and “very informative and helpful. Well done”.

Ninety-five percent (95%) of those that attended reported that they better understood Missouri’s Sunshine Law and how it impacted their board. Additionally, 93% understood the importance of having written by-laws and policies and would either
Participants in this program have increased their organization’s funded grant revenue which directly expands the services provided throughout the community and decreased the cost of social programs to local taxpayers and recipients.

Community Resource Research and Trends Sharing: Community Development Specialist David Hill prepares news articles bi-monthly for 23 newspapers, monthly taped radio programs for three stations, prepares timely content features for 12 radio stations and four TV stations, and sends out a monthly Community Development News and Notes email bulletin plus specific content “factoids” to topic-specific area email groups at their request.

Community Betterment Organizations Coaching: Northeast Missouri Communities in the 2011 Missouri State Community Betterment Program received 15 of the 75 recognitions during the 48th Annual Conference of the program. In population Category II, four of the top five were Northeast Missouri entrees. Additional communities, though not entered, also benefit from coaching and material provided by MU Extension.

Grant Funding Source Awareness: Bi-weekly summaries of grants available to enhance community improvement efforts of area non-profits, local government entities and civic groups emailed to contact persons or office in each county and community on request. Known multiplier from current list of 375 grows to around 1,800 contacts regionally and in the Tri-States.

Summaries are provided to: Arts Councils and Leagues, County Coordinator’s office and Health Department, Hannibal and Palmyra City Departments, Chambers of Commerce, Douglass Community Services Managers, Philadelphia Community Center, Historical Societies, Rural Electric Co-op, Caring Communities-FACT, United Way, Community Libraries, Community Betterment groups, Schools, Northeast Missouri (NEMO) Development Corp., NorthEast Independent Living Services (N.E.I.L.S.), Area Counseling Centers, Hannibal Regional Hospital, Hannibal Clinic Foundation, Hannibal Regional Center, Northeast Community Action Corporation (NECAC), Regional Offices of State Agencies, Hannibal Community Theater, Nutrition Centers, Nursing Homes, Hannibal LaGrange University, Tourism Bureau, Workforce Investment Board, Churches, Mark Twain Council of Governments. They share it with other groups throughout the county.

Grants received in the 16 Northeast Missouri counties involving various levels of MU Extension staff assistance we know of totaled $1,230,593 in 2011.
University of Missouri Extension’s Family Nutrition Program (FNP) involved Marion County youth through 2,828 contacts—some multiple times, with direct nutrition education in Marion County during 2010/11 (a significant percentage were low income). FNP provides information on nutrition, food safety, and physical activity for lifelong health and fitness by working with qualifying schools, community groups and agencies.

Youth from Pre-school to 8th grade learned through kid-friendly, hands-on lessons and activities. Activities include opportunities for taste-testing healthy foods and practicing skills that lead to good health. Education for adults also includes nutrition, food safety, and physical activity, as well as food resource management.

During the 2010-2011 school year the FNP team used Show-Me Nutrition Educational Displays to get the message out to teachers and families in a greater way. A variety of posters were used with information on such topics as food safety, the “Supersizing of America,” eating well on a budget, and MyActivity Pyramid. Posters were set up in more than half of the schools FNP served this year. Teachers garnered information by reading the posters themselves and by reading the associated handouts. The majority of the teachers then took what they had learned to their students. These teachers were not only in the elementary schools where FNP classes are held, but also in the middle and high schools associated with them, increasing the reach and impact FNP makes.

Nutrition Program Associates (NPAs) go into the schools and interact with community members to help them make healthier choices and build healthy habits. They see the difference the program makes in people’s lives. Becky Mannigel, who serves Marion County, reported the following successes as examples.

“As I finished my 4th grade at Eugene Field in Hannibal they sent me a packet of thank you notes they had written. One student said if he ever opens a restaurant he won’t mind if he uses some of my ideas. I was especially pleased to read one from one of the teachers. She said how she really believes the students take what I teach them and try their hardest to incorporate it into their lives. She also said she takes my ideas and practices them in her home as well. It’s good to know that it’s not just the students we are reaching but the teachers as well.”

“The cafeteria at Mark Twain Elementary in Hannibal was serving a fruit salsa on a graham cracker to the kids for lunch one day that I was in the school. They got the recipe from one of the teachers that had me in summer school. We made the fruit salsa and served it with tortilla crisps. The recipe went from teacher to secretary and the secretary suggested it to the cafeteria staff. They thought it sounded like something they could do and since the graham cracker was easier they served it on that instead of the tortillas. They told me it was a hit with all the staff and students. The recipe came from Kids in the Kitchen summer curriculum.”

The FNP team is also involved in community efforts to get the message out about making healthy choices. For example, in Marion County, Becky worked with the
The Family Nutrition Program brought $8,951,100 in Federal funds to the state of Missouri. The funds used to provide nutrition education to 433,152 food stamp recipients and food stamp eligible citizens of Missouri. 2,393 of these participants reside in Marion County.

Palmyra Nutrition Center to provide nutrition and health education to the adults they serve. The center’s staff appreciates the collaboration with MU Extension and the FNP Program.

Indirectly, FNP expanded their current monthly food pantry mailing list to all regions in the state reaching 560 Marion County residents. These mailings provide better communication between MU Extension and the pantries.

Participants in FNP become more aware of nutrition, make healthier meal and snack choices, eat breakfast more often, are more willing to try new foods, increase their physical activity and in general make healthier food choices. Those who practice healthy eating and activity behaviors are more likely to enjoy a high quality of life as an adult and into old age. A healthy labor force is critical to attracting and keeping jobs in Missouri. In addition, this important programming effort serves to reduce healthcare costs over the participant’s lifetime, saving taxpayers money in reduced public healthcare benefits and insurance premiums.

Becky Mannigel provided a series of nutrition education classes throughout the county. This curriculum is offered by FNP staff members to help students find direction in making healthy food choices consistent with the USDA MyPyramid. Lessons include a physical activity, a food tasting experience and other educational activities to encourage children to eat a variety of foods. The first grade curriculum gives the students an opportunity to design their own food plate choosing a food from the specific food group that was discussed in class that week.
Community Health Assessment Resource Team (CHART) Wellness Taskforce: As a member of the CHART Wellness Taskforce, Jim Meyer promotes physical activity in Marion County.

The CHART Wellness Association sponsored the seventh annual Senior Olympics held September 10 and 11, 2011. The Senior Olympics is for anyone fifty years of age or older. For an athlete to compete at the National Senior Olympics, they must first qualify at a local event and at the State games. Before we started our local games, there was no local qualifying event in Northeast Missouri. The nearest games were in St. Charles. This year we had 44 participants ranging in age from 50 to 84. The Senior Games not only promotes physical activity, it also brings visitors to Hannibal and increases tourism. Many of the participants stayed overnight in Hannibal and also ate meals and shopped. The economic impact to Hannibal was not calculated, but the games are a helpful contributor.

Food Safety/ServSafe: ServSafe is a nationally recognized food safety program for foodservice workers. In Marion County, foodservice workers are required by ordinance to attain certification in ServSafe. The Marion County health department asked Jim Meyer to teach this program again this year. He teamed up with the Hannibal Career and Vo-Tech Center and offered the class in February and September, 2011. Forty foodservice workers attended in total. Thirty-four of the forty passed their exam. Overall, the program was rated as highly successful.

The goal is to protect food from contamination by pathogenic microorganisms, parasites and naturally occurring toxins. The risk for food-borne illness occurring from food-handlers decreases if they receive training through ServSafe. The community benefits with safer restaurants and fewer medical costs associated with illness from eating unsafe food.

Teen Health Fair: Jim Meyer had an educational food safety display called “Was It Something I Ate?” Participants learned about food safety by interacting with the computerized display. They learned to wash their hands and use a food thermometer. One hundred (100) teens and 175 adults attend the health fair.
Grandma’s Yellow Pie Plate: The program “Grandma’s Yellow Pie Plate” was requested by Mary Miller of the Foster Grandparent Program in Hannibal, MO. Debby Whiston presented this workshop for a regional staff meeting of foster grandparents. Fifty-seven (57) people attended the workshop in Hannibal. “Grandma’s Yellow Pie Plate” is designed to provide practical information about the inheritance of personal property. The goal of the program is to improve family decision making through research and education.

The program focused on sensitivity of issues, different perceptions of what is “fair,” lack of communication, unwritten family rules, family history, and unresolved conflicts, and distribution options and consequences. A standard evaluation is used following the program. Results for this session are shown below:

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<th>Strongly Agree</th>
<th>Strongly Disagree</th>
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<td>1</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

This program helped me learn about transferring not-titled property: 25
The information will be useful for me and my family as we consider the transfer of non-titled property: 32
The six key factors important for successful non-titled property transfer seems relevant to my family situation: 21

Because of this program I intend to . . .

<table>
<thead>
<tr>
<th>Activity</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>prepare a list of non-titled property and to whom the items should transfer</td>
<td>18</td>
</tr>
<tr>
<td>write down information about the meaning or history of items</td>
<td>26</td>
</tr>
<tr>
<td>discuss transfer goals with other family members</td>
<td>20</td>
</tr>
<tr>
<td>ask others about the meaning of objects</td>
<td>31</td>
</tr>
<tr>
<td>discuss the transfer process in advance</td>
<td>21</td>
</tr>
<tr>
<td>decide what “fair” means</td>
<td>16</td>
</tr>
<tr>
<td>select distribution methods that fit goals</td>
<td>23</td>
</tr>
</tbody>
</table>

The outcomes of the program include time-efficient distribution of assets, prevention of families being fractured for generations, putting estate planning instrument in place and reducing family stress. The community benefits by easing stress on the overburdened probate court and helping those involved in settling the estate to remain productive in the labor force.
Money Matter$: Money Matter$ was presented by Wendy Brumbaugh in four sessions in November and December at the Willow Street Christian Church in Hannibal, Missouri. Participants identified their individual money personality, set financial goals, tracked their spending, and learned the pitfalls of predatory lending practices. At the conclusion of the program everyone had a written goal and a wealth of resources to assist them in managing their finances.

Preparing for the Long Haul: Wendy Brumbaugh taught “Preparing for the Long Haul” as an eleven-month program held at the Hannibal Vocational Technical School for the Licensed Practical Nursing program. Thirty-one students attended the monthly sessions coinciding with their regular class schedule September 2010 through July 2011.

The multisession curriculum was based on identified needs of the students gathered from a pre-test. Because of the history of default rates and the current economic climate, this program was more critical than ever. Consequently, that justified including every concept of financial management through the program. Comments included: “This program has been very helpful to me and will help me with long term goals once I graduate.” “The wealth of information you provided is all very useful.”

Volunteer Income Tax Assistance: Wendy Brumbaugh worked collaboratively with the United Way of the Mark Twain Area in recruiting volunteers, preparing and filing taxes for Marion County residents through the Volunteer Income Tax Assistance (VITA) program at no charge. This alone saved tax-filers approximately $7,275 in filing fees, and approximately $90,000 came back to local community in refunds that may have gone unclaimed had it not been for the VITA program.

The Missouri Taxpayer Education Initiative (MoTax) is a project that provides a gateway to financial education through taxpayer assistance. Not only does the taxpayer have his/her taxes filed for free, but he/she receives a financial education packet and one on one instruction at the time of filing. The packets continue to be well-received by our program participants and provide an excellent tool for coaching the clients and emphasizing the importance of the financial planning process.

When you support the Volunteer Income Tax Assistant program, participants save an average of $200 in tax preparation fees per year and avoid high-cost refund anticipation loans, which lead to families being able to purchase necessities. This benefits other community members by stimulating the economy, beginning in the taxpayer’s community, through federal and state tax refund dollars and dollars from tax credits.
“I am moving, I am learning”: Nineteen early childhood providers took part in a twelve-hour training provided by the Missouri Department of Health and Senior Services on Saturday, September 17 and Saturday, October 8 in Canton.

Jane Hunter, Human Development Specialist, was trained to teach the program to the child care providers. There were two child care providers from Knox County, five from Lewis County, three from Clark County and nine from Marion County.

As a result of the grant, the child care providers received twelve clock-hours of education to meet child care licensing requirements, seven compact discs with music and movement activities for children, and two books all free of charge. They will implement the principles of the program including teaching children how to make healthy food choices and become more physically active through fun activities. They will have the children participate in 60 minutes of unstructured physical activity daily and 60 minutes of structured physical activity daily.

When asked what they will do to increase physical activity and improve nutrition choices, they responded with “increase outdoor play”, “incorporate more fruits and veggies into my own diet as well as the children’s diet,” “use more props that encourage movement”, “play music and move with the children”, and “model for the staff and children.”

When you support the “I am moving, I am learning” program, participants will teach children birth through school-age healthy choices in foods to eat and physical activity in which to participate which leads to healthier children and reduced obesity rates. Community members will benefit by children who are healthier and at a lower risk for obesity-related health issues.

Final Report on 2010 Flash Flooding in Marion and Ralls County: In July 2010, excessive amounts of rain falling into already overflowing streams and saturated land resulted in flash flooding. The residents were denied assistance from SEMA and FEMA. FEMA stated that local resources were sufficient to handle the flood recovery.

Location of most of the damaged properties: Bear Creek Bottoms in Hannibal. Nearly 80% of the 250 families fell into the low income/poverty level. Some victims owned their homes and some rented their homes. Most did not have flood insurance. Traditional home-owners insurance did not cover damage from flash flooding.

Partnering agencies included:

- University of Missouri Extension
- United Way of the Mark Twain Area
- RSVP at Douglass Community Services
- Church of Christ
- NorthEast Community Action Corporation (NECAC)
- American Red Cross
- Salvation Army
- Bethel Baptist Association
Teen pregnancies often have dramatic impacts on both the teen mother and father regarding their futures. Support for University Extension's collaborative work with the CTTF organization helps youth delay sexual activity reducing unwanted teen pregnancies and STDs. Those reduced rates of pregnancy and disease reduce social and health costs to society.

The Unmet Needs Committee of Marion and Ralls County is a voluntary coalition of not-for-profits, human service agencies, churches and government officials. By working together and leveraging resources, both financial and human, the Unmet Needs Committee of Marion and Ralls County accomplished the following major assistance projects:

- Furnace repair/replacement 14 families/$30,650
- Water heater repair/replacement 34 families/$4,884
- Mobile home skirting/insulation six families/$4,149
- Home inspections eight families/$480
- Twenty-five families received assistance from the Church of Christ with appliances, personal care items and household cleaners.

No financial assistance was provided by state, federal, or local governmental units.

**Extension Teaches at the Whitehouse:** Marion County has its own Whitehouse--Mark Twain Behavioral Health Whitehouse facility. During 2011 Sherry Nelson, University of Missouri Extension Specialist, provided 19 programs for the people with disabilities who visit the Whitehouse. Educational topics included:

- Food Labels
- Portion Sizes and Calories
- My Plate
- Tornado Formation and Severe Weather Preparedness
- Heat Safety and Preparedness
- Fire Safety and Preparedness
- Winter Weather Safety and Preparedness
- Anger Management
- Missouri Agriculture
- Earthquake Preparedness
- Volcanoes and the Ring of Fire: US Volcanic Activity

The number of participants in these classes has ranged from 15 to 30 individuals. Questions and discussions center on the presentation materials. Surveys indicate they have learned new material during the presentation and that they would recommend these programs to others. Supporting programs for people with disabilities improves their quality of life, their ability to be safe in disasters and emergencies, and make healthy choices.

**CHART Teen Task Force:** The CHART Teen Task Force (CTTF) has worked to reduce the teen pregnancy rate in Marion, Clark, Lewis, Ralls, Pike, Shelby and Monroe counties since 1995. Sherry Nelson, MU Extension Human Development Specialist, currently serves on the CTTF Board. Since 1995 Marion County has tended toward a reduced number of teen pregnancies. The most recent data (2009) on teen pregnancies rates in the seven county area shows that five of the seven counties are below the state average of 41.6 teen pregnancies per 1,000 female youth ages 15-19.
pregnancies per 1,000 and Marion County is at 39.5 per 1,000 with 40 births for the 15-19 year old age group. This is down from our high of 69 in 1995. (Source: Kids Count at: http://www.oseda.missouri.edu/kidscount/)

This past year we had three major events:

1) The CHART Teen Health fair was held on February 5 after a dismal week of snow and closed schools. Unfortunately, the attendance was low due to schools not being able to send students by bus to the fair. Nearly 270 adults, teens and children attended. There were 35 organizations and agencies that had booths on health and safety. Exit surveys of youth and adults indicated that the event was fun, provided good information and worthwhile.

2) May Month Event consist of opportunities for the teens to participate in the web-based “Take the Quiz” – a part of the National Prevention of Teen Pregnancy Organizations campaign to reduce unwanted pregnancies. TV, radio and billboard ads are placed throughout the seven counties to raise awareness. This year 96 students across the region took part in the quiz.

3) October is our “Time to Talk” month which is designed to encourage teens and parents to talk about relationship and sexual issues teens may encounter. Billboard, TV and radio ads are aired as part of the effort to raise awareness regarding teen pregnancies and the need to reduce STDs.

Finally CHART has an educator/coordinator for the Think it Over Baby and Empathy Belly simulators and a nurse educator both of which present at schools throughout the area. During the 2010-11 school year, 356 students from 16 school/organizations used the Real Care Baby Simulators and 187 students from 11 schools/organizations used the Empathy Belly Simulator. Feedback from the majority of students indicated they intend to delay sexual activity in order to avoid becoming pregnant. Teachers of these students indicated that they felt these learning activities were very helpful to the students that participated.

Matter of Balance Helps Keep People on Their Feet: Older adults are at serious risk of injury or death from falls. Each year one out of three adults 65 and older experiences a fall. These kinds of falls can lead to head trauma, lacerations and fractures—including hip fractures. Non-fatal falls often result in hospitalization. Even if these falls don’t result in injury, often these adults develop a fear of falling. Because of this fear they often limit their activities which can decrease both mobility and physical fitness. Unfortunately, loss of mobility and fitness due to fear of falling actually increases the likelihood of falls.

NE Region University of Missouri Extension Human Environment Sciences Specialists; Sherry Nelson, Jim Meyer, Jane Hunter, Debby Whiston, Tom Fuhrman, and Wendy
Brumbaugh; teamed up to present this fall prevention program called *Matter of Balance* in September and October of 2011. The holistic program consisting of eight sessions is designed to prevent falls among seniors and adults. The classes help participants learn to:

1) View falls and fear of falling as controllable
2) Set realistic goals for increasing activity
3) Change their environment to reduce fall risk factors
4) Promote exercise to increase strength and balance.

Improving these areas helps adults of any age remain more independent.

Twelve participants received certificates for completing the class. Eleven out of the twelve participants felt very sure or sure they would be able to get up if they fell. All twelve reported they were sure or very sure that they had found a way to reduce falls, could increase their physical strength, and were becoming steadier on their feet. All of the participants indicated they were more comfortable increasing their activity because of the class. Eleven out of the twelve participants indicated they had made changes to their environment to help prevent falls because of the class. Overall, the class members felt that the class was very worthwhile and would recommend it to others.
Marion County 4-H creates environments in which young people are valued, contributing members of their community. 4-H provides Marion County youth with hands-on learning opportunities in a safe environment where they can experiment, innovate and think independently with the help of caring volunteers.

Learning by doing is the Marion County 4-H way. Within Marion County 4-H Clubs youth are provided with the opportunity to practice leadership, citizenship, responsibility, team work, community service and other life skills under the guidance of trained adult volunteers.

2011 4-H in Marion County
A community of 265 youths building life skills, engaging in science and connecting to community.

How they were engaged: Marion County 4-H serves youth through nine organized clubs, school enrichment groups, camps, and more. The youth of Marion County have demonstrated learning through the following activities:

- 4-H Achievement Day
- Area 4-H Camp
- Camp Food & Fitness
- Citizenship Washington Focus (Washington DC)
- Kansas City Global Summit
- Livestock Judging (local and state)
- Local and State 4-H Fashion Revue
- Marion County Junior Fair
- Missouri State Fair
- National 4-H Conference (Washington DC)
- 4-H Missions in Space (Huntsville, AL)
- State 4-H Public Speaking Contest
- State 4-H Shooting Sports Contest
4-H Clubs
4-H participants = 265 members in 9 community clubs
Marion County 4-H clubs offer long-term educational experiences in which members learn life skills such as decision making, public speaking and working with others. Members learn by doing under the guidance of adult volunteers, who teach projects ranging from aerospace and arts to veterinary science and sport fishing. Clubs also involve children and teens in community service, camping and educational trips.

4-H Members Supported by 134 Adult Volunteers
Volunteers make 4-H happen! Their support and generosity of time and other resources are part of the 4-H community. National statistics* suggest that the average volunteer contributes 100 hours per year. Valuing their time at $18.62 per hour, based on average Missouri incomes, the contribution of Marion County 4-H volunteers was worth nearly $250,000 in 2011!

*Source: The Independent Sector. “Value of Volunteer Time”
http://independentsector.org/programs/research/volunteer_time.html

4-H school enrichment programs
4-H participants = 744 students
Marion County 4-H school enrichment programs are short-term educational experiences that supplement learning in the classroom. Most are led by teachers or 4-H volunteers. The most popular 4-H school program in Marion County is Hatching Chicks in the Classroom.

Missouri Show Me Quality Assurance Youth Training: Over the past five years, Missouri Show-Me Quality Assurance (MSQA) Trainings have been held for 4-H and FFA youth in Marion County, in cooperation with Vocational Agriculture Teachers from Philadelphia, Monroe City and Palmyra.

All 4-H members enrolled in food animal projects including beef, sheep, swine, dairy cattle, meat and dairy goats, rabbits and poultry must complete the appropriate level of MSQA certification to be considered a 4-H member in good standing in that project, in addition to other local requirements.

To date, over 300 Marion County youth plus parents have attended these sessions to learn about overall quality assurance with their meat-product related project animals, including animal housing, welfare, health care and marketing. Many have attended two sessions; some have attended three over the years. Al Kennett, area Livestock Specialist, and Don Nicholson, 4-H Youth Development Specialist, cooperated in conducting these training sessions and provided support for the program throughout the year.
4-H Connects Kids to College and a Higher Quality of Life
Missouri 4-H Members are twice more likely to have been on a college campus than their non-4-H peers. Being on a campus is a predictor of youth going on to higher education (Hoover, 2006).

Marion County young people ages 5-18 often participate in 4-H events on the MU Campus. These students are more likely to go to college and enjoy increased financial success for themselves and their offspring, and

- be better consumers
- improve quality of life through more opportunities for leisure and hobbies
- improve health for themselves and their children (Porter, 2003)
- more likely to vote as adults
- more likely to contribute to their community (Lerner, 2009; Zaff et al, 2003)

Youth, who earn their bachelor’s degree, increase annual earnings by $2.01 million over their lifetime (Porter, 2003). If 70% of the Marion members participating in 4-H events on the MU Campus go onto earning their Bachelor’s, 4-H would help young people earn $372,855,000 more of lifetime earnings.

4-H Livestock Judging: Al Kennett, area Livestock Specialist, worked closely with the youth staff in conducting a county livestock judging day for 4-H members in Marion and surrounding counties. After county teams were selected, he also helped prepare those teams for the state judging contest by holding training sessions for them and then attended the state contest with them. Eight kids from Marion County participated in state livestock judging with the junior team being high team at the state contest.

4-H & FFA Ham Curing: Al Kennett, area Livestock Specialist, worked closely with the youth staff and volunteers to coordinate the 4-H and FFA ham curing project that is conducted in Marion County. Jim Meyer, Human Nutrition Specialist, and Don Nicholson, 4-H Youth Development Specialist, assisted. Thirty-six 4-H and FFA members participated in the projects by attending two ham curing meetings and then showing their hams at the fair.

4-H Camping Program: 4-H Camp is one of the many highlights of the 4-H year for local youth. Camp is planned, conducted and evaluated by 4-H Youth Development Specialists Don Nicholson and Patty Fisher, with the involvement and assistance of about twenty teen-aged Camp Counselors. Over 150 youth and teens take part in one of two annual 4-H Camp programs, held at Camp Inlow near Philadelphia MO.

4-H youth and parents identify 4-H camp as having a
strong, positive impact on life skills development in youth. In both 2005 and 2006, 4-H members 10-13 across Missouri and their parents were surveyed to assess their perceptions of the Missouri 4-H Camping program’s effectiveness in building life skills in youth. The results were overwhelmingly positive.

Knowing that camping is a substantial, positive experience for campers, it begs the question, “What value does serving as a Camp Counselor have for our area teens?” An extensive state-wide study was co-led by Don Nicholson in 2007. Here again, the results are profoundly positive and often—in ways we would not have anticipated. For example, teens that had served as Counselors were found to be more likely to remain committed to their schooling. Two-thirds either confirmed or changed their career plans as a result of serving as counselor. A complete report was published in the spring of 2009.


4-H'ers are Leaders for Life: Annually, 4-H faculty, staff and volunteers create multiple opportunities for youth. 4-H project work and related educational experiences help youth explore interests in citizenship, communications and leadership.

4-H Youth report three times more opportunities than their non-4-H peers to engage in meaningfully community leadership roles.

This interest in leadership and community service along with 4-H members’ 70 percent greater likelihood to go to college than youth participating in other out-of-school programs is growing leaders today and for tomorrow.

Hatching Chicks in the Classroom

4-H Embryology teaches students about science and respect for life. Students hatch chicks in the classroom and witness the exciting miracle of life. Through this program, pre-incubated eggs are delivered to the school where they hatch about four days later.
During this time, students have the opportunity to learn the scientific process of embryology including: incubation, preparing a brooder, hatching, identifying parts of an egg, development of chicks in the egg and once they have hatched, handling chicks, and careers in the poultry industry. While students care for the eggs and chicks, they learn leadership, responsibility, sharing, decision making, critical thinking and teamwork.

<table>
<thead>
<tr>
<th>Number of Marion County learners:</th>
<th>Total Hours of learning in 2011:</th>
</tr>
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<tbody>
<tr>
<td>644 preschool through the 4th grade students &amp; 30 classroom teachers</td>
<td>1,440 hours of classroom learning in 30 Marion County classrooms</td>
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The 4-H Embryology Program gives children of all ages a hands-on experience in hatching chickens while developing personal confidence and leadership ability through embryology project activities. Children learn by listening, observing, experimenting and applying their knowledge to real-world situations. As students continue on their learning journey they have an increased knowledge and skills in nutrition, food production, food safety and food systems. Within this program Marion County students have the opportunity to develop and practice life skills including working on a team, identifying one's own competencies, creative expression and short term goal setting.

**Going the Distance**

**Developing Leadership and Understanding:** Since 1992, the Going the Distance (GTD) program has been delivered to various school classes and adult groups throughout the area. In Palmyra, for example, the GTD program has been conducted each year with the entire seventh grade class since 1993, involving over 1,500 students, plus school faculty. The day-long program focuses on developing individual confidence and appreciation of others while building problem-solving and decision-making skills.

At the end of each program, participants are asked to assess their own learning during the program. Of the 2011 program, some typical statements were:

“I learned that if I put my mind to something and try I can do it.”
“Even though kids are fat or skinny, tiny or tall, we can all become friends and work as a team.”
“I’m very good at thinking of a way through a challenge.”
“Some people you may not like . . . you need to give them a chance.”
“We had a lot more fun than I thought we would.”
“If we work together we can get it done!”
“When everyone pitches ideas it works better.”
“[Other people are] nicer than they seemed.”
“People in my group were nicer than they seem.”
“Yes, at first I thought my “friend” was annoying and dumb, and then we worked together. I got to know her and we became true friends.”

“They [some people] aren’t what [other] people said they are. They are all willing to be nice.”

GTD programs have been and continue to be conducted throughout Marion, Lewis, Ralls, Pike, Monroe, Shelby and Clark counties for school grades 4th through 12th, including adult groups.

A variety of MU Extension staff serving Marion County have assisted 4-H Youth Development Specialist Don Nicholson with the program throughout the Going The Distance twenty-year history, including Jim Meyer, Becky Mannigel, Mary Smyser, Sherry Nelson, David Hill and others.

References:


MU Continuing Education

The MU Conference Office provides high-quality, professional, full-service meeting management for a variety of noncredit educational programs, such as conferences, workshops, seminars and symposia. Whether a meeting is hosted on campus, in out-state Missouri or anywhere in the world, the office’s professional staff provides assistance to create the best learning environment for participants. Participants attended conferences on teacher training, natural areas, advancing renewables and greening homes. Marion County sent 91 participants to conferences held by the MU Conference Office. For more information, see http://muconf.missouri.edu/.

MU Extension’s Fire and Rescue Training Institute (MU FRTI) is charged with providing comprehensive continuing professional education and training to Missouri’s fire service and emergency response personnel. The institute has a direct impact on the well-being and protection of Missouri’s 25,000 firefighters and the 5.8 million citizens they serve. Courses prepare firefighters for medical emergencies, hazardous materials response, and disaster preparedness and mitigation, as well as fires. In FY 2011, MU FRTI trained 66 Marion County firefighters. For more information, see http://mufrti.org/.

The MU Extension Law Enforcement Training Institute (LETI) brings state-of-the-art, certified, professional training to law enforcement officers as well as continuing professional education to a wide spectrum of other criminal justice and public safety practitioners. Established in 1948, the institute has been the state’s recognized leader for more than 60 years in providing vital training and education services for Missouri’s 20,000 in-service and 3,000 police recruits annually. In Marion County, three public safety personnel participated in the institute’s programs. For more information, see http://leti.missouri.edu/index.aspx.

The Missouri Training Institute (MTI) in the Trulaske College of Business provides continuing education, custom-designed training programs and business consulting services for business and industry, public and nonprofit organizations, and educational institutions. Training programs include subjects such as human resource management, supervision, management, leadership, team building, effective decision making generational differences and business writing. The institute’s consulting services include human resources, strategic planning, board development and facilitating board retreats. In FY2011 two people from Marion County enrolled in the institute’s programs. For more information, see http://mti.missouri.edu/.
Keeping Missouri nurses up-to-date with the knowledge and skills they need to effectively provide care and fully participate in the state’s health-care efforts is a primary goal for the **MU Nursing Outreach Office** (MUNO). Nursing Outreach serves a predominantly rural health-care audience with high-quality, affordable continuing education programs using face-to-face, web-based and telecommunication delivery methods. Participants rate the overall quality of their continuing education experience as 1.3 (4-point scale with 1 being the highest) and indicate they plan to change their clinical practices based on what they learned at Nursing Outreach programs. In FY2011, 25 individuals from the Marion County benefitted from MU Nursing Outreach educational programs. Learn more at: [http://nursingoutreach.missouri.edu/](http://nursingoutreach.missouri.edu/).

The Office of **Continuing Medical Education** (CME) serves rural primary-care physicians with access to education that allows them to meet requirements for state licensure. Additional programs include specialty medicine as well as health education. Distance learning via the Missouri Telehealth Network provides access to weekly grand rounds from various School of Medicine departments. In FY 2011, two enrollments in Continuing Medical Education came from Marion County. For more information, see [http://medicine.missouri.edu/cme/](http://medicine.missouri.edu/cme/).

The **MU Labor Education Program** provides educational services for organized labor leaders and members in the state of Missouri to develop programs in labor studies and the relevant aspects of the social and physical sciences to meet the workers' educational needs in their institutional and employment relationships; and to increase the knowledge and competence of labor leaders, enabling them to meet their manifold responsibilities as contributing participants in their unions, as citizens in the community and as individuals in society. They also work to assist in the development of capable internal resources to equip labor groups in fulfilling a significant portion of their own educational requirements; and to establish and broaden the academic base of labor studies through research and development of campus resources, through faculty and student interactions and through graduate and undergraduate student instruction in the labor studies curriculum. During 2011, 19 Marion County citizens took part in the Labor Education program. Learn more at: [http://labored.missouri.edu/](http://labored.missouri.edu/).
Impact on Marion County, Missouri

UM Students from Your County in 2011
- 169 students
  - 132 - MU
  - 10 - UMKC
  - 21 - Missouri S&T
  - 6 - UMSL
  - 148 - Undergraduates
  - 21 - Graduates
  - 146 - Full-time students
  - 23 - Part-time students

UM Employees and Retirees Residing in Your County in 2011
- 25 people employed by UM
  - 17 - MU
  - 1 - Missouri S&T
  - 1 - UMSL
  - 6 - UM Health Care
- 2 UM Retirees and Beneficiaries

Tax Revenue and Income Generated by UM Employees and Retirees Residing in Your County in 2011
- $21,974 in Missouri State Taxes
- $79,379 in Federal Taxes
- $686,727 in Salary and Retirement Income returning to the county

UM Alumni Residing in Your County in 2011
- 730 alumni
  - 397 - MU
  - 55 - UMKC
  - 68 - Missouri S&T
  - 30 - UMSL
- 344 Selected School Alumni
  - 18 - Medicine
  - 27 - Nursing
  - 26 - Health Professions
  - 14 - Dentistry
  - 7 - Pharmacy
  - 1 - Optometry
  - 10 - Veterinary Medicine
  - 110 - Agriculture
  - 95 - Engineering
  - 36 - Law

UM Services Received in Your County in 2011
- 1,313 patients seen at UM Health Care with $656,018 of uncompensated care.
- 1 patient seen at the UMSL Center for Eye Care.
- 17 patients seen at the UMKC School of Dentistry with an average of $37 per patient in uncompensated care.
- 13,420 educational contacts with MU Extension through MU Extension events held in your county.

UM Alumni as K-12 Teachers and Administrators in Your County in 2011
- 47 teachers
- 12% of all county teachers
- 6 principals and administrators
- 43% of all county principals and administrators

Health Professional Shortage Areas
Your entire county is within a Primary Care, a Dental Care, and a Mental Care HPSA.

Medically Underserved Areas
Part of your county is within a MUA.
Impact on Marion County, Missouri

Statewide Impact

UM Research Expenditures Funded by Federal and Private Sources

Financial Aid Provided to UM Students in 2011
- $839.3 million
  - $401.9 million - MU
  - $200.1 million - CMHC
  - $92.2 million - Missouri S&T
  - $136.1 million - UMSL

Electronic Services to the State in 2011
- The Missouri Research & Education Network (MOREnet) provided internet connectivity and technical services to members that include:
  - 64 higher education institutions with approximately 295,000 students.
  - 500 school districts with 856,000 students and 76,000 faculty.
  - 134 public libraries connecting 320 libraries across the state.
- MOREnet paid $16 million in telecommunications expenditures to companies doing business in Missouri.
- The Missouri Bibliographic Information User System (MOBIUS) loaned 203,289 books from higher education institutions to state students.

Impact on Education in 2010
- UM enrolled 47% of first-time undergraduates attending four-year public institutions in 2010.
- UM awarded 46% of the 1,134 doctoral degrees earned in Missouri.
- UM awarded 43% of the 1,880 first-professional degrees earned in Missouri.
- UM awarded 53% of the 28,656 degrees awarded by Missouri's four-year public institutions.

Economic Development Highlights
- With $2.92 billion in total revenues in 2011, UM would have been the 18th largest publicly-held Missouri-headquartered company in the state in 2009.
- With more than 31,000 employees in the state, UM was Missouri’s 2nd largest employer in 2010.
- In 2009, UM’s $164 million in federal science and engineering research expenditures represented 91% of these expenditures at Missouri public universities.
- In 2011, UM’s $24 million in National Science Foundation (NSF) awards represented 84% of all NSF awards made to Missouri public universities.
- UM earned $7.8 million in licensing income in 2011.
- UM received 157 new invention disclosures in 2011.
- 5 startups were created around UM technologies in 2011.
- UM was issued 31 U.S. patents and filed 58 new U.S. patent applications in 2011.

Prepared in December 2011, based on the best available data.
Data Sources include:

Office of Government Relations
309 University Hall
Columbia, MO 65211
573-882-2726

www.umsystem.edu/ums/departments/gp/
Long distance phone calls returned by Extension staff involving 7,652 phone-contact minutes (over 127 hours) in response to requests for information, coordination and services.

6,017 Individual assistance requests to which Marion County staff responded.

13,420 Education contacts through events in the county.

17,556 MU guide-sheets and 4-H publications were distributed in hard-copy. An unknowable (large!) number distributed electronically.

232,772 Pages of information and newsletters printed locally and distributed.

139,598 Valid public views of the Marion County’s Internet website for information between 1/1/2011 and 12/31/11. (That’s over 380 each day!)

Marion County’s website is the 5th most viewed county website in the MU Extension domain.

208 Number of MU Continuing Education students from Marion County (Non-credit Continuing Educations courses).

310 Plant samples, soil samples, feed rations, or pressure-canners tested/analyzed.

13,400 Volunteer hours provided by 4-H youth and adult volunteers.

$250,000 Value of volunteer hours contributed by 4-H volunteers.

336 Volunteer hours provided by Extension council members in support of the Extension mission in Marion County.

$6,256 Value of volunteer hours contributed by the Extension council.

1,313 Patients treated at UM Health care with $656,018 of uncompensated care.

17 Patients seen at UMKC School of Dentistry averaging $37 per patient in uncompensated care.

1 Patient seen at the UMSL Center for Eye Care.
University of Missouri Extension
Marion County Financial Summary

*The investment in Marion County youth, families and businesses*

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>County general revenue</td>
<td>$45,000</td>
</tr>
<tr>
<td>Matching support-UM</td>
<td>$301,048</td>
</tr>
<tr>
<td>Donated funds to support programming</td>
<td>$11,778</td>
</tr>
<tr>
<td>Participant fees</td>
<td>$27,188</td>
</tr>
<tr>
<td>Grants to support robotics</td>
<td>$8,000</td>
</tr>
</tbody>
</table>
**Marion County**  
**University Extension Council**  
**Annual Financial Report**  
**Year Ending December 31, 2011**

### Revenues

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appropriations</td>
<td>$45,000.00</td>
</tr>
<tr>
<td>Investment income</td>
<td>78.95</td>
</tr>
<tr>
<td>Gifts/grants/contracts</td>
<td>1,024.37</td>
</tr>
<tr>
<td>Resales/education services</td>
<td>4,673.15</td>
</tr>
<tr>
<td>Transfer from savings</td>
<td>5,518.16</td>
</tr>
</tbody>
</table>

**Total Revenue**: $56,294.63

### Expenses

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries and Wages</td>
<td>$42,747.57</td>
</tr>
<tr>
<td>Communications</td>
<td>4,201.68</td>
</tr>
<tr>
<td>Travel</td>
<td>7,150.65</td>
</tr>
<tr>
<td>Supplies/Services</td>
<td>7,519.77</td>
</tr>
<tr>
<td>Repairs/Maintenance</td>
<td>0.00</td>
</tr>
</tbody>
</table>

**Total Expenses**: $61,619.67

**Revenues less Expenses**: -$5,325.04
# MARION COUNTY EXTENSION 2011 ANNUAL REPORT

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For complete report: go to http://extension.missouri.edu/marion/ or University of Missouri Extension Marion County, Courthouse Room 201, 100 South Main, Palmyra Missouri 63461.

University of Missouri, Lincoln University, U.S. Department of Agriculture and Local Extension Councils Cooperating
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