



UNIVERSITY OF MISSOURI EXTENSION
Iron County

2017 ANNUAL REPORT

Who we are

Iron County Extension Council

Denise Anderson
 Ken Braun
 Charles (Rick) Campbell
 Joshua Campbell
 Stephanie Lebron
 Jeremy Medley
 Amanda Shipman
 Michele Swane
 Jamie Tedford
 Johnny Underwood
 Russel Allen, City Appointed
 Kenny Wooten, Commissioner
 Beth Havelka, Farm Bureau

2017 Iron County University of Missouri Extension Council operating budget

\$ 28,000

Iron County faculty and staff

Elaine Willhite
 Secretary

Debra Henk
 County Program Director & Youth Development Specialist
(Retired October 2017)

DeNae Gitonga
 County Program Director & Community Development Specialist

Staff serving Iron County, (based in other counties)

Bethany Bachmann
 Nutrition & Health Education Specialist

Donna Aufdenberg
 Horticulture Specialist

Rebecca Blocker
 Housing & Environmental Design Specialist

George (Anthony) Ohmes
 Agronomy Specialist

Linda Morgan
 Regional Coordinator of Food & Nutrition Program

Frank Wideman
 Natural Resource Engineer Specialist

Ashley Bales
 Family Financial Education Specialist

Richard Proffer
 Business Development Specialist

Erin Larimore
 Livestock Specialist

Iron County Commissioners

Jim Scaggs
 Presiding Commissioner

Dwayne Warncke
 Assoc. Commissioner, South

Joshua Campbell
 Assoc. Commissioner, North

Kenny Wooten
 County Commissioner Appointee

State legislators

Gary Romine
 Senator, District 3

Vacant
 House Representative, District 144

Jason Smith
 Congressman, District 8

Eric Greitens
 Governor

About us

Location:
 123 West Wayne Street

Hours:
 8:00 am –4:00 pm

Contact info:
 573-546-7515

**VICE CHANCELLOR'S OFFICE**

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Columbia, MO 65211

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December 4, 2017

Dear County Commissioners and Friends of MU Extension:

For much of the past year, MU Extension was focused on a long-overdue assessment of statewide needs and a deep look at how we respond to these needs with programs and resources.

We crisscrossed the state to gather input from 42 community conversations with 1,200 people and reviewed analysis and recommendations from a range of external experts. As a result, MU Extension is working on a variety of changes in the interest of providing better university engagement with your communities.

We are steadfast in our resolve to help local communities and the state meet grand challenges associated with economic opportunity, educational excellence and healthy futures. These challenges reflect what Missourians from every corner of the state told us they were most concerned about.

As you read your county's annual MU Extension report, I believe you will be pleased to see the results that have been accomplished through county-based University of Missouri faculty. These faculty members work in response to input received from local extension councils.

At the state level, local MU Extension efforts really add up. Though we have long known extension funds were leveraged, an independent review revealed that MU Extension created more than \$945 million dollars of public value from the \$80 million it received from federal, state, county, grant and contract partners. A public value ratio exceeding 11:1 even surprised us.

As we go about implementing changes based on the recently completed needs assessment and review of our organization, I am confident that our ability to create value at the local level will be even greater.

I encourage you to read the attached annual report from your MU Extension county center to gain an understanding of how MU Extension has worked this past year to serve your community.

Your support of MU Extension and your efforts in your community is greatly appreciated. As always, I welcome input on how the University of Missouri can better serve your community and its people.

Sincerely,

A handwritten signature in black ink that reads 'Marshall Stewart'.

Marshall Stewart, Ed.D.
Vice Chancellor for Extension and Engagement

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Retiring Iron County Program Director

Debra Henk (left) receives a Certificate of Appreciation from the University of Missouri's Vice-Chancellor's office for her tenure with the Missouri Extension. Making the presentation is Janet Kline, the extension's regional director. Kline was involved with the local council's hiring of Henk as the 4H Youth Specialist some 16 1/2 years ago.



Interim Iron County Program Director & Community Development

DeNae Gitonga, Community Development Specialist



DeNae Gitonga worked with local stakeholders to develop a project for a grant offered by the Delta Regional Authority's Pilot Program called Creative Placemaking. The project was written to enhance the tourism options for local transportation using a bicycle share program, creative signage, colorful crossings, and unique bicycle racks to be made locally through a partnership with high school students gaining workforce skills. Though, the grant was not funded, the project development was beneficial in pulling together the leaders and thinkers of Iron County.

DeNae also worked with small non-profit organizations in need of facilitative guidance through difficult decision making. While working with non-profits of a small nature there is often a need for an outside party to be an unbiased facilitator because the members are emotionally and intellectually connected making it difficult to separate their feelings from the issues. If considering developing a non-profit, the government asks some simple questions on how it would be dissolved if it needs to be in the future. When members are actually tasked with the activities necessary to dissolve an organization, there is process confusion and waiting for government documents and often the desire to just be done, when there is much to do after the vote of dissolution.

Emergency Preparedness Fair

Sponsored by Arcadia Valley Lions Club

Coordinated by Debra Henk and Frank Wideman



Participants in Iron County 250 guests

Total Hours of Participation 500 hours of collective educational demonstration and interactive learning!

What Did They Learn?



- Missouri State Park Rangers with Child Safety Kits
- Community Emergency Response Team (CERT) Trailer and Information
- Pilot Knob Fire Department “Jaws of Life” Demonstration (car provided by Custom Auto Service)
- Mineral Area Search and Rescue – Demonstrations
- Civil Air Patrol
- Eastern Ozarks Amateur Radio Club
- Storm Spotting Information
- Parkland Health Mart Pharmacy “Vial of Life” Kits
- Weather Radio Programming
- Law Enforcement Training Institute – Violent Intruder Response
- IAC Home Defense
- Fire and Rescue Training Institute – Grain Bin Safety
- Missouri Disaster Relief
- The Feed Store – Generators and Chain Saws Iron
- County Medical Center
- Iron County Health Department
- Salvation Army American Red Cross
- Ameren Missouri – Safety Around Electricity
- DNR Environmental Super Truck
- VFW Veterans Service Officer
- 911 Board
- Boy Scout Troop 403 – High Tech Camping Gear
- Farm Bureau Insurance
- Lee Hedrick – Generac Standby Generator
- Iron County Emergency Command Post and Generator
- Highway Patrol Vehicle
- Iron County Sheriff’s Office
- AIR EVAC LIFE TEAM
- Iron County Children’s Division and Juvenile Officer
- Iron County Ambulance District
- South Iron Fire Protection District

How Does This Work Make Iron County and Missouri Better?

Preparing for emergencies has proven to mitigate losses and for citizens to get back to their daily lives when disaster strikes. Iron County is situated along the New Madrid fault line as well as experienced major flooding in 2017, snow storm in 2013, and an in-land hurricane (derecho) in 2009.

Business Development

Richard Proffer

MO SBTDC business development specialists use their expertise to help Missouri businesses with critical business development issues. Guidance addressing topics such as management, marketing and strategic planning is available for new and existing businesses. All counseling is confidential; many services are available at no charge (subsidized by our funding partners). For personalized help exploring ideas or growing your business, contact a MO SBTDC counselor near you or sign up online.



Number of Iron County residents served 60 clients

- 13 male/female owned business
- 30 male owned businesses
- 16 women owned businesses

Total Hours of Collective Workshop Participation in 2017 25 hours of individualized counseling

What Did They Learn?

- Government Contracting
- Managing a Business
- Business Planning
- Accounting/Budgeting
- Financing
- Marketing/Sales
- Start up

What Action Did They Take? Business Expansion – 1
 Increase in Sales - \$1,362,108
 New Jobs - 2

How Does This Work Make Iron County and Missouri Better? By helping our county residents become more business minded and aware, we were able to expand the local economy thru job creation, capital infusion and able to compete for more small business contracts with the state and federal governments. These actions increased the awareness of our state and federal legislators about the program and will aid in program funding.

Family Nutrition Program

Shanna Sorg, Nutrition Program Associate

Mary Cook, Nutrition Program Associate



Number of Iron County residents served

University of Missouri Extension's Family Nutrition Program (FNP) reached 607 participants. Of that number, 245 were direct and 362 indirect nutrition education in Iron County during 2017. A significant percentage of these participants were low income. FNP provides information on nutrition, food safety, gardening, and physical activity for lifelong health and fitness by working with qualifying schools, community groups and agencies.

Total Hours of Collective Workshop Participation in 2017

456 collective workshop hours

What Did They Learn?

Youth from Pre-school to 12th 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 included nutrition, food safety, and physical activity, as well as food resource management.

What Action Did They Take?

Nutrition Program Associates (NPA's) teach in schools and other grant eligible locations in the county to help them make healthier choices and build healthy habits. Also, through indirect teaching as well as health fairs or other one time workshops, they impact many people that they are unable to actually see in a classroom setting.

How Does This Work Make Iron County and Missouri Better?

The Family Nutrition Program (FNP) brought \$9,681, 129.00 federal funds to the state of Missouri. These funds were used to provide nutrition education to 838,295 Supplemental Nutrition Assistance Program recipients and eligible citizens of Missouri. There were 3,831,270 educational contacts. This year we had 3,064,781 indirect educational contacts. Indirect contacts are reached through newsletters, health fairs; food pantries and the Show Me Nutrition help line. 607 of these participants reside in Iron County.

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.

Annual Seed Swap

Debra Henk



The annual seed swap was held in April this last year. This is a joint effort with the Ozark Regional Library, the Iron County Community Garden, and University Extension. Garden members and folks from the community share their surplus seeds and plants with each other. Anyone is welcome to take what they need, even if they don't have anything to share. Baker Creek Seed provides the community garden with seed each year, and some of these are shared. This year Bill Bennet presented a program on planting native plant seed. University Extension provided gardening guides. The best part of this event is gardeners being able to talk to more experienced gardeners and share their experiences.

Debra Henk, 4H Youth Specialist and County Program Director for Extension gave a talk on seed starting and the community garden. Larry Moses, a local beekeeper, talked about plants to attract bees. Presenters Linda and Bill Bennett talked about native plants of the region. Michelle Swane of the Ironton library branch, brought in some potted herbs to give away and for those in attendance to taste.



Youth Development

Debra Henk, Stephanie Milner

A community of 20 youth building life-skills, engaging in science and contributing to their community.

4-H youth are equipped with the knowledge, skills, attitudes and health for the 21st century workforce. 4-H youth are engaged in programs anchored in science (Arnold, Bourdeau, & Nott, 2013).

A study from Tufts University reports that young people in “4-H far outperform their non-4-H peers” in developing the skills, leadership and interest in science and science careers that drive our nation’s future. In fact, 4-H’ers are more likely to pursue careers related to science, engineering and technology because they spend more time engaging in science programs (Lerner & Lerner, 2011). It is not surprising that 4-H youth are three times more likely to go into science related careers than similar peers (Lerner & Lerner, 2008).

MU Extension 4-H connects 5,176 young people to University of Missouri campuses.

Being on campus is a predictor of youth going onto higher education (Dalton & St. John, 2016). 4-H youth are nearly twice as likely to go to college compared to their non-4-H peers (Lerner & Lerner, 2011).

The U.S. needs young people prepared to live and work in a world that no one can imagine – jobs that do not yet exist, using technology that has not been invented, solving problems that have not yet been identified.

Youth who earn a bachelor’s degree increase annual earnings by \$2 million over their lifetime (NACUBO, 2012). If 50% of the Iron youth participating in 4-H events on a college campus receive a Bachelors degree, 4-H would help young people acquire \$20,000,000 more of lifetime earnings.

4-H clubs = 1

4-H participants = 20

Iron 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 computers science and arts to animal science and healthy living. Clubs also involve youth in community service, camping and educational trips.



References:

- Arnold, M., Bourdeau, V., & Nott, B. (2013). Measuring science inquiry skills in youth development programs: The Science Process Skills Inventory, *Journal of Youth Development*, 8(1).
- Dalton, R., & St. John, E. (2016). *College for every student: A practitioner's guide to building college and career readiness*. New York, NY: Routledge.
- Independent Sector (2017). Independent sector releases new value of volunteer time of \$24.14 per hour. Retrieved from <http://independentsector.org/news-post/value-volunteer-time/>
- Lerner, R.M., Lerner, J.V. (2011). The positive development of youth: Report of the findings from the first seven years of the 4-H Study of Positive Youth Development. Retrieved from <http://www.4-h.org/about/youth-development-research/>
- Lerner, R.M., Lerner, J. V. (2008). *4-H study of positive youth development*. Boston, MA: Tufts University.
- National Association of College and University Business Officers (2012). Lifetime earnings: College graduates still earn more. Retrieved from http://www.nacubo.org/Research/Research_News/Lifetime_Earnings_College_Graduates_Still_Earn_More.html

Horticulture

Donna Aufdenberg, Sarah Denkler, Amy Patillo, and Patrick Byers

StrikeForce Project partnerships include University of Missouri Extension, NRCS/USDA, and Lincoln University who provide training that will help educate Missouri's farm community, private landowners, conservation organizations, cooperating agencies, and general citizenry.



Number of Iron County residents served 22 participants

Total Hours of Collective Workshop Participation in 2017 154 hours of instruction

What Did They Learn?

- Introduction to high tunnels
- Vegetable production in high tunnels
- Fruit production in high tunnels
- NRCS Cost Share program
- Health insurance

How Does This Work Make Iron County and Missouri Better?

- Increasing consumption of local and regionally produced products
- Increasing customers and sales of local and regionally produced products
- Strengthening market opportunities for farm and ranch operations serving local markets
- Improving food safety of local and regionally produced products



MU Extension Continuing Education

University of Missouri (MU) Conference Office

The MU Conference Office provides full-service meeting management for a variety of noncredit educational programs. In FY 2017, the MU Conference Office organized 72 conferences for more than 20,000 people in teacher education in math, science and writing; crop management and agricultural lending, as well as statewide youth leadership programs, generating \$3.2 million in revenue. muconf.missouri.edu

Fire and Rescue Training Institute (MU FRTI)

In FY 2017, MU FRTI celebrated its 85th anniversary of providing continuing professional education and training to Missouri's fire service and emergency response personnel. In addition to fire training, courses prepare firefighters for medical emergencies, hazardous materials response and disaster preparedness and mitigation. In FY 2017, MU FRTI trained 11,319 firefighters and emergency responders from 932 departments, organizations and agencies throughout all 114 Missouri counties. mufrti.org

Law Enforcement Training Institute (LETI)

LETI provides training and education for Missouri's 17,000 personnel and police recruits and presentations to community and civic groups, as well as collaborative programs with agencies from 31 states. In FY 2017, LETI reached nearly 2,000 police and emergency responders. With MU's Human Environmental Sciences department, LETI piloted Taking Care of You and Mental Health First Aid for Law Enforcement, helping participants better understand mental illness and how it impacts their work. Other programs include advanced animal cruelty investigations training and armed intruder and personal safety response. Students receive over 700 hours of basic training and certification, with other topics and certifications like Crisis Intervention Team Training available. leti.missouri.edu

Missouri Training Institute

The Missouri Training Institute provides continuing education programs in business, as well as customized training programs and consulting services for business and industry and public, nonprofit and educational organizations and institutions. In FY 2017, 10,630 people enrolled in the institute's 371 programs that cover diverse business practices, such as human resource management, team building, decision-making, strategic planning and leadership. mti.missouri.edu

CU Program	FRTI*	Labor Ed	LETI*	MTI*	MUCO*
Iron Co. Participants	5	5	2	4	30

MU Nursing Outreach

Nursing Outreach serves mainly rural health-care workers with high-quality, affordable continuing education programs using face-to-face and online delivery methods; 92 percent live outside the St. Louis and Kansas City metro areas. In FY 2017, nurses from 77 Missouri counties and the city of St. Louis attended continuing education programs. Another 867 nurses and 1,986 health care professionals — including social workers, nursing home administrators and psychologists — were served through multidisciplinary programs. nursingoutreach.missouri.edu

Center for Continuing Medical Education and Physician Lifelong Learning (CME/PLL)

CME/PLL serves MU Extension and the MU School of Medicine by educating physicians and other health care providers to improve the standard of care in Missouri. In FY 2017, CME/PLL offered 1,678 noncredit programs, courses and activities, serving 27,345 people, as well as 14 accredited medical conferences, including the annual Missouri Telehealth Network Summit on trends in this emerging healthcare arena; an Ellis Fischel Cancer Symposium on holistic approaches to cancer care; and one of the world's largest multidisciplinary conferences on dialysis. CME/PLL also provided online training for 6,400 state mandated child protection reporters in 20 occupational fields. medicine.missouri.edu/cme

Veterinary Medical Extension and Continuing Education (VMECE)

Veterinary Medical Extension provides information and consultation to veterinarians and livestock owners on issues such as disease risks, rising input costs and regulations that impact farming operations. In FY 2017, VMECE provided 17 continuing education events for veterinarians needing credit to renew their licenses. Twelve events addressed antibiotic label changes that went into effect on January 1, 2017, and how to write a veterinary feed directive. The rest dealt with preventing and responding to disease outbreaks in Missouri livestock operations. The VMECE team also presented at more than 40 meetings across the state, educating animal owners about the antibiotic label changes. VMECE also taught food animal production medicine to MU College of Veterinary Medicine students and collaborated in research that addressed bovine reproduction. vmth.missouri.edu

Labor Education

The Labor Education Program works with members and leaders of workplace-based organizations across Missouri to help them develop skills, act effectively in the workplace and be informed and active participants in their communities. In FY 2017, the program offered 35 courses and conferences to 952 participants, most of whom are leaders of organizations representing the economic interests of more than 20,000 working people in Missouri and surrounding states. labored.missouri.edu