University of Missouri

Livingston County Extension Council

2014 Annual Report

“UNIVERSITY OF MISSOURI EXTENSION DOES NOT DISCRIMINATE ON THE BASIS OF RACE, NATIONAL ORIGIN, SEX, SEXUAL ORIENTATION, RELIGION, AGE, DISABILITY OR STATUS AS A VIETNAM ERA VETERAN IN EMPLOYMENT OR PROGRAMS.”
# Table of Contents

**Introduction**
- Letter from Council ................................................................. 3
- Letter from Vice Provost ............................................................... 4
- Livingston County Extension Leadership ...................................... 5 - 6

**Agricultural and Natural Resources** ........................................... 7 - 10

**Livingston County 4-H** ................................................................. 11 - 13

**Human Environmental Sciences** ............................................... 14 - 16

**Community Development** ........................................................ 16

**Business Development** ............................................................. 17

**Missouri State Fair Farm Family** ................................................. 18

**Chancellor Loftin’s Visit to Chillicothe** ...................................... 18

**Continuing Education** ............................................................... 19 - 20

**University System Impact on Livingston County** ....................... 21 - 22

**Livingston County Extension Center**
- Financial Report .......................................................................... 23
- Staff Letter ................................................................................... 24
- County Contact ........................................................................... 24
January 23, 2015

Dear Living County Constituents,

The University of Missouri Extension faculty, staff and council would like to thank the Livingston County Commission, Livingston County 4-H Foundation, Wombles Endowment, City of Chillicothe and all the businesses and individuals who contributed financially, for their continued support and funding for programming in 2014. The faculty, staff and council remains committed to improving people’s lives by providing relevant, reliable, and responsive educational programs for the citizens of Livingston County.

The University of Missouri Extension is a part of the network of the nation’s more than 100 land-grant colleges and universities and is your local connection to the University of Missouri campuses. Using science-based knowledge, University of Missouri Extension engages people to understand change, solve-problems and make informed decisions. By tapping into statewide university research, MU Extension specialists provide Missourians with a wide range of programs in agriculture, community development, human environmental sciences, business development, youth development and continuing education. Current programming efforts statewide focus on agricultural profitability and viability; building family and individual strengths; building human resources; business, community and economic development; enhancing health and nutrition; environmental quality and stewardship; and positive youth development.

This annual report contains information about our existence in the county and our ability to provide relevant, reliable and responsive information to the public. Our office is staffed with an office secretary, two part-time extension associates, one nutrition program associate, one state staff, and two full-time extension specialists. Additionally, we are currently recruiting an additional full-time ag business specialist. The work represented in this annual report may only be a partial listing of the total educational programming that goes on in the county. Therefore, we take pride in knowing that this is just a sample of the outstanding work generated within the county by extension personnel. From their efforts, citizens of the county learn to be effective with managing time, money and resources when achieving their goals. Workshop participants gain knowledge in health and nutrition, communication, family dynamics and youth enrichment activities that will enhance their life long well-being as an individual and a productive citizen in society.

Sincerely,

Bette Atwell
Council Secretary

Jackie Woodworth
Council Chair

Jessica Trussell
County Program Director

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

EQUAL OPPORTUNITY/ADA INSTITUTIONS
December 2014

Dear County Commissioners and Friends of MU Extension:

Over the past year, with a theme of Celebrating the Past and Building for the Future, MU Extension marked a century of service to Missouri. While the celebrations have come to an end, the focus on building for the future is strong. The university’s commitment to the mission of bringing relevant, reliable and responsive education to improve lives and local economies is alive and well.

To maintain our position as a valued and trusted resource for Missourians, MU Extension continues to strengthen existing programs, build relationships and explore new opportunities to benefit Missourians. For example:

- In the area of agriculture, the Show-Me Select Heifer Replacement program continues to improve the breeding performance of heifers as it helps participants realize record prices for their efforts. Producers from 103 of Missouri’s 114 counties have enrolled heifers in the program. In a record-setting sale, 168 bred replacement heifers sold for an average of $3,033 at the Fruitland (Missouri) Livestock Auction.

- Strengthening communities through art, innovation and creativity, Extension’s Community Arts Program is piloting an initiative in Lexington to help the community enhance its image with art businesses and opportunities that reflect the talent of regional artists and benefit a nine-county tourism alliance. The Community Arts Program is also at work in the St. Louis area, overseeing the Saint Louis Storytelling Festival, which engages approximately 25,000 people each year.

- Knowing the value of dialogue with those it serves, MU Extension has made a concerted effort with the Mizzou Alumni Association to introduce MU Chancellor R. Bowen Loftin to extension programs, participants, key stakeholders and alumni from all corners of the state. These tour events, which will continue into 2015, are designed to foster understanding and support that lead to a stronger local extension effort across the state.

These are just a few examples of MU Extension’s focus on building for the future and continuing to make an impact in local communities.

I thank you for your support of MU Extension and our efforts in your community. I look forward to our continuing partnership and welcome your ideas for improving our partnership.

Sincerely,

Michael D. Ouart
Vice Provost and Director

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

EQUAL OPPORTUNITY/ADA INSTITUTIONS
University of Missouri Extension's strategic plan is one of three key initiatives adopted by the University of Missouri over the past several years.

**Mission**  
Our distinct land grant mission is to improve lives, communities and economics by producing relevant, reliable and responsive educational strategies that enhance access to the resources and research of the University of Missouri.

**Vision**  
University of Missouri Extension is a valued and trusted educational solution to improve the quality of life in Missouri, the nation and the world.

**Values**  
Respect, Responsibility, Discovery, Excellence and Engagement

As an integral part of the land-grant mission, University of Missouri Extension is a joint venture of:

- University of Missouri campuses
- Lincoln University Cooperative Extension
- The people of Missouri through county extension councils
- Cooperative State Research, Education and Extension Service of the U.S. Department of Agriculture
- Other stakeholders and partners

---

**Livingston County Extension Leadership**

**Council Officers**

- Chair – Jackie Woodworth
- Vice Chair – Katie Woodworth
- Secretary – Bette Atwell
- Treasurer – Amy Prokop

**Elected Council Members**

- Chris Baker – Eastern District
- Dustin Buell – Eastern District
- Daniel Savage – Eastern District
- Charlene Thompson – Eastern District
- Amy Prokop – Eastern District
- Vacant – Eastern District
- Kim Martin – Western District
- Keith Rademacher – Western District
- Heidi Sims – Western District
- Tanya Stimpson – Western District
- Jackie Woodworth – Western District
- Katie Woodworth – Western District

**Appointed Council Members**

- Ken Lauhoff – Appointed Commissioner
- Darrell Cooper – Appointed MFA
- Russ Hardy – Appointed Farm Bureau
- Bette Atwell – Appointed City of Chillicothe

**Office Staff**

- 4-H Youth Specialist – Shaun Murphy
- 4-H Living Life Interactive Education (L.I.F.E.) Program Associate – Jena Eskew
- 4-H Youth Program Associate – Pat Wood
- Human Development Specialist – Jessica Trussell
- Nutrition Program Associate – Tracy Minnis
- Office Manager/Bookkeeper - Joyce Hall
- State QuickBooks Administrator - Kevin Hansen

**University Investment**

Federal and state funds provide salaries and benefits for professional staff assigned to the county, expenses for professional development, official mail and cost sharing on computer technology. The University also provides educational materials and faculty support for extension programs. For the past year, 2014, University of Missouri Extension’s investment on average for direct support of three professional staff and two program associates amounted to over $314,000.
# Faculty and Staff Serving Livingston County

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>County</th>
<th>Phone</th>
<th>E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-H Youth Specialist</td>
<td>Shawn Murphy</td>
<td>Livingston County</td>
<td>(660) 646-0811</td>
<td><a href="mailto:MurphySe@missouri.edu">MurphySe@missouri.edu</a></td>
</tr>
<tr>
<td>Agriculture Business Specialist Open</td>
<td></td>
<td>Livingston County</td>
<td>(660) 646-0811</td>
<td></td>
</tr>
<tr>
<td>Agronomy Specialist</td>
<td>Heather Benedict</td>
<td>Harrison County</td>
<td>(660) 425-6434</td>
<td><a href="mailto:BenedictH@missouri.edu">BenedictH@missouri.edu</a></td>
</tr>
<tr>
<td>Community Development Specialist</td>
<td>Tracy Marlo-Daugherty</td>
<td>Linn County</td>
<td>(660) 895-5123</td>
<td><a href="mailto:DaughertyT@missouri.edu">DaughertyT@missouri.edu</a></td>
</tr>
<tr>
<td>Family Financial Education Specialist</td>
<td>Meredith Berry</td>
<td>Grundy County</td>
<td>(660) 359-4040</td>
<td><a href="mailto:BerryM@missouri.edu">BerryM@missouri.edu</a></td>
</tr>
<tr>
<td>Housing and Environmental Design Specialist</td>
<td>Connie Neal</td>
<td>Nodaway County</td>
<td>(660) 582-8101</td>
<td><a href="mailto:NealCA@umsystem.edu">NealCA@umsystem.edu</a></td>
</tr>
<tr>
<td>Horticulture Specialist</td>
<td>Tim Baker</td>
<td>Daviess County</td>
<td>(660) 663-3232</td>
<td><a href="mailto:BakerT@missouri.edu">BakerT@missouri.edu</a></td>
</tr>
<tr>
<td>Human Development and Family Studies Specialist</td>
<td>Jessica Trussell</td>
<td>Livingston County</td>
<td>(660) 646-0811</td>
<td><a href="mailto:TrussellJL@missouri.edu">TrussellJL@missouri.edu</a></td>
</tr>
<tr>
<td>Livestock Specialist</td>
<td>Jim Humphrey</td>
<td>Andrew County</td>
<td>(816) 324-3147</td>
<td><a href="mailto:HumphreyJr@missouri.edu">HumphreyJr@missouri.edu</a></td>
</tr>
<tr>
<td>Natural Resource Engineer</td>
<td>Jim Crawford</td>
<td>Atchison County</td>
<td>(660) 744-6231</td>
<td><a href="mailto:CrawfordJ@missouri.edu">CrawfordJ@missouri.edu</a></td>
</tr>
<tr>
<td>Nutrition and Health Specialist</td>
<td>Janet M. Hackert</td>
<td>Harrison County</td>
<td>(660) 425-6434</td>
<td><a href="mailto:HackertJ@missouri.edu">HackertJ@missouri.edu</a></td>
</tr>
<tr>
<td>Business Development Procurement Specialist</td>
<td>Clint Dougherty</td>
<td>Buchanan County</td>
<td>(816) 279-1691</td>
<td><a href="mailto:DoughertyCb@missouri.edu">DoughertyCb@missouri.edu</a></td>
</tr>
<tr>
<td>Regional Director - Northwest Region</td>
<td>Karma Metzgar</td>
<td></td>
<td>(816) 279-6064</td>
<td><a href="mailto:MetzgarK@missouri.edu">MetzgarK@missouri.edu</a></td>
</tr>
<tr>
<td>4-H Youth Associate</td>
<td>Jena Eskew</td>
<td>Livingston County</td>
<td>(660) 646-0811</td>
<td><a href="mailto:EskewJ@missouri.edu">EskewJ@missouri.edu</a></td>
</tr>
<tr>
<td>4-H Youth Associate</td>
<td>Pat Wood</td>
<td>Livingston County</td>
<td>(660) 646-0811</td>
<td><a href="mailto:WoodPM@missouri.edu">WoodPM@missouri.edu</a></td>
</tr>
<tr>
<td>Nutrition Program Associate</td>
<td>Tracy Minnis</td>
<td>Livingston County</td>
<td>(660) 646-0811</td>
<td><a href="mailto:MinnisT@missouri.edu">MinnisT@missouri.edu</a></td>
</tr>
<tr>
<td>Office Manager/Bookkeeper</td>
<td>Joyce Hall</td>
<td>Livingston County</td>
<td>(660) 646-0811</td>
<td><a href="mailto:HallJo@missouri.edu">HallJo@missouri.edu</a></td>
</tr>
<tr>
<td>Office Manager/Bookkeeper</td>
<td>Joyce Hall</td>
<td>Livingston County</td>
<td>(660) 646-0811</td>
<td><a href="mailto:HallJo@missouri.edu">HallJo@missouri.edu</a></td>
</tr>
</tbody>
</table>
### Agricultural and Natural Resources: Agriculture Business

**Profit Focused Agriculture**

**Kevin Hansen**  
**Agricultural Business Specialist**  
**Serving: Caldwell, Daviess, Grundy, Livingston, and Mercer counties**

<table>
<thead>
<tr>
<th>Program or Workshop</th>
<th>What Did They Learn?</th>
<th>What Action Did They Take?</th>
<th>How Does This Work To Make Livingston County and Missouri Better?</th>
</tr>
</thead>
</table>
| QuickBooks for Farms and Agribusinesses  
- 5 Sessions  
- 35 total contacts | How to set up a company  
Manage accounts and lists  
Actions needed to pay bills and receive payments | Create their own company file  
Create, edit, and delete accounts to match business entity  
Send invoices, prepare deposits, and reconcile accounts | Knowing your business financials allows you to make better decisions about your business and adapt to community needs to create jobs and provide the necessary services to clientele. Small businesses help sustain communities. |

Customer Quote: “I now feel more comfortable with using this program. Thank you and enjoyed the class.”

---

### Agricultural and Natural Resources: Agronomy

**Education plus diagnostic services for farm and garden success.**

**Heather Benedict**  
**Agronomy Specialist**  
**Serving: Daviess, Gentry, Grundy, Harrison, Livingston, Mercer and Worth counties**

<table>
<thead>
<tr>
<th>Program or Workshop</th>
<th>What Did They Learn?</th>
<th>What Action Did They Take?</th>
<th>How Does This Work To Make Livingston County and Missouri Better?</th>
</tr>
</thead>
</table>
| Private Pesticide Applicator Training  
- 4 Livingston County residents | The roll of soil types in pesticide runoff  
Mechanical forms of pesticide application  
Structural practices for controlling pesticide runoff  
Education and cultural influences on decision make for pesticide use  
Precision farming/application | Understand proper safety precautions  
Apply correct amounts  
Rinse containers thoroughly  
Provide collection site with disposals and unneeded surplus | Fewer accidents and healthier working conditions  
Effective quantities placed where needed during time needed  
Protecting the environment with better decisions and managerial actions |

---
<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>Topic</th>
<th>What Did They Learn?</th>
<th>How Did Participants Benefit?</th>
<th>How Does This Work To Make Livingston County and Missouri Better?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>450 plus cattle and forage producers</strong></td>
<td>In total approximately 900 hours were spent in learning beef cattle production, forage production and utilization, nutrition management and ration balancing by area participants.</td>
<td>Strategies to optimize beef production and improve costs on their operations, including managing feedstuffs, pregnancy checking females, documenting individual animal performance throughout the entire production phase, including what determines value on each animal. Strategies to best determine the value of their forages, the variation in quality of forages and how best to manage these feedstuffs, while maintaining productivity, maximizing nutrient utilization, while minimizing soil and nutrient losses and other negative impacts on the environment.</td>
<td>Beef and forage producers are better prepared to make informed decisions on their operations, regarding animal health, genetic selection, nutrition, as well as income and expenses that affect the bottom-line for their respective operations. Including reducing feed wastage and marketing low or non-productive animals in a more-timely manner. Furthermore individual feeding programs were designed based on feedstuff availability, nutritional analysis and cost structure for each operations animal's production stage requirements.</td>
<td>Many beef producers contacting me are looking for answers to questions specific to their operation. By taking a total quality management approach for each operation we can help producers get the information and resources they need in a timely manner to improve the bottom line for their operations. When we support beef and forage production in our area, participants learn high quality unbiased research based production strategies which result in increased success for producers in reaching their production and financial goals. By maintaining or improving soil health and water quality through better distribution of nutrients on our forage and beef cattle operations, we ensure future generations will have safe and plentiful natural resources. With over 80,000 head of beef cattle in the area a viable agriculture economy has a positive impact on our area and plays a key role in our local, regional, state, national and world economies.</td>
</tr>
<tr>
<td><strong>750 plus Youth participants</strong></td>
<td>In total approximately 889 hours were spent by area youths learning conservation, water cycles and good agricultural production practices.</td>
<td>Strategies area beef and forage producers are using to optimize their operations while minimizing soil and nutrient losses and other negative impacts on the environment.</td>
<td>By having a better understanding of the research-based information and good production practices producers utilize on their operations, youths will be better able to understand why they as producers themselves need to be good stewards of their land and resources.</td>
<td>Well-informed youths are better prepared to make good management decisions based on research-based results. Youths are our future and provide great opportunities for our area.</td>
</tr>
</tbody>
</table>
Agricultural and Natural Resources: Commercial and Home Horticulture
Education for Better Crops

Program Names: Missouri Grown
Home Horticulture and Environment
Turfgrass Management/Green Industry

<table>
<thead>
<tr>
<th>Program or Workshop</th>
<th>What Did They Learn?</th>
<th>How Did Participants Benefit?</th>
<th>Livingston County and Missouri Better?</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-site visits with Commercial Ag producers</td>
<td>Identification and control of plant diseases and insects</td>
<td>Commercial producers growing horticultural crops have great potential for profits. However,</td>
<td>Keeping the rural economy going means keeping families on the farm, and doing so profitably. Commercial</td>
</tr>
<tr>
<td>Working with Produce Auction</td>
<td>Proper use of pesticides</td>
<td>diseases and insects can act very quickly to wipe out a crop and produce significant losses.</td>
<td>horticultural production has some of the greatest potential for profits in modern agriculture. By</td>
</tr>
<tr>
<td>Meetings for Commercial Ag producers</td>
<td>Introduction to Good Agricultural Practices and food safety</td>
<td>By timely intervention, these growers’ crops may be saved.</td>
<td>keeping these farming enterprises going, and dealing with problems as they arise, the farmer is kept</td>
</tr>
<tr>
<td>Educating homeowners for their horticultural needs</td>
<td>Marketing options</td>
<td>The proper use of pesticides is critical for both grower and consumer safety. Growers</td>
<td>on the farm, and the trickle-down effect of his success is spread across the entire community as he</td>
</tr>
<tr>
<td>County Ag Updates and Pesticide Applicator Training</td>
<td>Starting a horticultural farming operation</td>
<td>trained in this area learn to safely use these materials, leading to better health.</td>
<td>purchases inputs for his farm and conducts everyday commerce with his friends and neighbors.</td>
</tr>
<tr>
<td>Over 4500 commercial and home contacts in Caldwell, Carroll, Daviess, Grundy, Harrison, Livingston, Ray and Saline</td>
<td>Landscaping for homeowners</td>
<td>Commercial fruit and vegetable producers are coming under increasing pressure to conform to</td>
<td>Producing a good and safe food supply is critical for our nation. Whether it is though the safe</td>
</tr>
<tr>
<td></td>
<td>Plant care for homeowners</td>
<td>the standards of Good Agricultural Practices (GAPs). By offering training in GAPs, Extension</td>
<td>handling of pesticides or following Good Agricultural Practices, a farmer who produces high quality</td>
</tr>
<tr>
<td></td>
<td></td>
<td>helps these growers produce safer food. They are also made aware of the regulatory environment</td>
<td>and safe food passes on a product that inspires confidence in the consumer. Food such as this is more</td>
</tr>
<tr>
<td></td>
<td></td>
<td>surrounding GAPs, and how to satisfy requirements in this area.</td>
<td>nutritious, producing better health. This ultimately leads to decreased health care costs.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Homeowners seeking help with horticultural problems learn not only how to combat the problem,</td>
<td>Homeowners who practice horticulture, whether it is producing food or planting ornamentals, increase</td>
</tr>
<tr>
<td></td>
<td></td>
<td>but end up increasing property values.</td>
<td>the value of their homes. When this is practiced on a community-wide scale, the effect can be</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>remarkable. Communities with poorly-developed landscaping are not as attractive as those where</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>homeowners seek to beautify their properties. Collectively, these improvements lead to increased</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>property values throughout the entire community.</td>
</tr>
</tbody>
</table>

Helping growers during the growing season is an important part of Horticulture Specialist Tim Baker’s responsibilities. Sometimes the problem can be corrected, but other times it cannot, such as the photos above. The tomato grower had used a brush killer on his land which eventually ended up in his pond. When he irrigated out of his pond, these greenhouse tomatoes took on bizarre shapes with distorted leaves. Since this was irrigation water, some of the chemical ended up in his soil.
**Artificial Insemination (AI) Clinic**

<table>
<thead>
<tr>
<th>Number of Livingston County Learners</th>
<th>Total Hours of Collective Workshop Participation</th>
<th>What Did They Learn?</th>
<th>What Action Did They Take?</th>
<th>How Does This Work To Make Livingston County and Missouri Better?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - Livingston County Resident</td>
<td>15 hours</td>
<td>This class is intended to give students the skills to implement an AI program into their existing beef herd.</td>
<td>Participants of this class gained classroom knowledge as well as hands-on experience with actual reproductive tracts and cattle.</td>
<td>Artificial insemination has been shown through research to be the fastest way to change genetics of a beef herd.</td>
</tr>
<tr>
<td>6 - Participants from surrounding counties.</td>
<td>90 hours</td>
<td>Materials presented show students the reason they should be motivated to effect change in their beef herds giving them economic motivation to implement an AI program.</td>
<td>They were able to practice techniques learned in the classroom and ask questions to three on-site trainers.</td>
<td>Understanding the process and the actual physical application of materials has been the largest barrier to implementation for many medium and small producers.</td>
</tr>
</tbody>
</table>

The course was held three consecutive nights for five hours each night.

Participants receive hands-on training from field experts.

The course was held three consecutive nights for five hours each night.

Participants receive hands-on training from field experts.
## Livingston County 4-H
Creating opportunities for positive youth development

### Shaun Murphy
Youth Specialist

### Pat Wood
4-H Youth Program Associate

### Jena Eskew
4-H Living Interactive Family Education Youth Program Associate

<table>
<thead>
<tr>
<th>Number of Livingston County Learners</th>
<th>What Did They Learn?</th>
<th>What Action Did They Take?</th>
<th>How Does This Work To Make Livingston County and Missouri Better?</th>
</tr>
</thead>
<tbody>
<tr>
<td>455 4-H Members</td>
<td>Livingston County 4-H special-interest programs include conferences, distance learning programs, day camps and other educational activities.</td>
<td>4-H Youth are equipped with the knowledge, skills, attitudes and health for the 21st century workforce. Missouri 4-H members spend almost nine times more of their leisure time than peers engaged in projects anchored in science. As a result, 4-H members are three times more likely to go into science related careers than similar peers (Lerner and Lerner, 2008). Fostering career development is the fact that Missouri 4-H members are connected to college campuses and faculty. MU Extension 4-H connects 8,500 young people to University of Missouri campuses. Being on campus is a predictor of youth going onto higher education (Hoover, 2006). Missouri 4-H members, however, also learn to use these talents to engage in their communities. Young people in 4-H are engaged in twice as many leadership roles than their non-4-H peers. This provides them with the experience in problem-solving to step up and lead in a complex, changing world. In Livingston County, 139 members were engaged in leadership and service experiences in their communities.</td>
<td>4-H is a great return on investment. For every $1 invested from public resources for Missouri 4-H, the programs leveraged $3.42 for our citizens. According to a Carnegie report the value of youth development programming provided by MU Extension 4-H faculty and staff is $9,968,600 or a return on investment of $1.47 on the public investment. County 4-H clubs offer long-term educational experiences in which members learn life skills such as decision making, public speaking, citizenship and working with others. Members learn by doing under the guidance of adult volunteers. Volunteers create, support and are part of the 4-H community. Missouri 4-H volunteers contribute on average 100 hours per year. Valuing their time at $19 per hour, based on average Missouri incomes, the contribution of Livingston County 4-H volunteers was worth more than $170,100 in 2014! More importantly, these adults serve as mentors for our youth helping them transition into health adulthood, priceless. Studies show the youth in programs like 4-H are 70 percent more likely to attend college and increase their earning potential $2.01 million dollars over their lifetime. This would create $14 billion of additional earning potential for Missouri youth involved in 4-H.</td>
</tr>
<tr>
<td>81 screened volunteers</td>
<td>Livingston County 4-H school enrichment programs are short-term educational experiences that supplement learning in the classroom. The most popular 4-H school program in Livingston County is Embryology (Hatching Chicks). 4-H staff are able to educate youth in schools about embryology and science by taking incubators and eggs into the classroom.</td>
<td>4-H Connects Kids to College and a Higher Quality of Life</td>
<td></td>
</tr>
<tr>
<td>176 School Enrichment Youth</td>
<td>Missouri 4-H Members are twice more likely to have been on a college campus than their non-4-H peers. 4-H is the second most reported reason to be on the MU Campus (Lerner, 2008). MU Extension 4-H connects approximately 8,500 young people age 8 to 18 to University of Missouri.</td>
<td>Missouri 4-H members, however, also learn to use these talents to engage in their communities. Young people in 4-H are engaged in twice as many leadership roles than their non-4-H peers. This provides them with the experience in problem-solving to step up and lead in a complex, changing world. In Livingston County, 139 members were engaged in leadership and service experiences in their communities.</td>
<td></td>
</tr>
</tbody>
</table>
Shaun Murphy  
Youth Specialist

Pat Wood  
4-H Youth Program Associate

Jena Eskew  
4-H Living Interactive Family Education Youth Program Associate

<table>
<thead>
<tr>
<th>Number of Livingston County Learners</th>
<th>What Did They Learn?</th>
<th>What Action Did They Take?</th>
<th>How Does This Work To Make Livingston County and Missouri Better?</th>
</tr>
</thead>
<tbody>
<tr>
<td>61 Adult 4-H Living Interactive Family Education (LIFE) Program Participants</td>
<td>The University of Missouri Extension 4-H Living Interactive Family Education (LIFE) Program at the Chillicothe Correctional Center (Level 1-5, Livingston County) is a 4-H program for youth with active visits with an incarcerated parent. Incarcerated parents qualify for 4-H LIFE by meeting stringent criteria, including participation in parenting classes, leadership meetings and 4-H family club meetings. Leadership and project work done during the prison-based 4-H club meeting provide the youth with opportunities to experience mastery, proficiency, generosity, independence and belonging. Youth participants are connected with 4-H on the “outside” which helps build relationships and skills to strengthen their development. Youth attend camps, conferences and leadership training as part of their 4-H experience.</td>
<td>The parents plan and co-facilitate experiential activities with the children and caregivers each month during the 4-H Family Club meetings held inside the prison visiting room. During that time, the youth lead a 4-H business meeting. The 4-H LIFE staff meet with the parents during the following parenting class to reflect on the 4-H Family Club meeting, incorporating lessons learned into plans for the next 4-H Family Club Meeting.</td>
<td>The cyclical nature of the 4-H LIFE Program model components (i.e., parent education, leadership meetings and 4-H family club meetings) is critical to providing incarcerated parents a real world opportunity to build their parenting and leadership skills in a safe, structured and supportive environment. The 4-H LIFE Family Study will provide scientific evidence about prison family relationships, contact, parenting competence, co-parenting and prison visits. These results can help guide and improve offender family and community reintegration efforts. By supporting MU Extension's 4-H LIFE Program, we anticipate children of offenders will make healthier lifestyle choices and avoid contact with the juvenile and adult criminal justice systems. The projected tax payer savings is $56,885* per child. The program served 304 youth and 230 of their adult family members (i.e., incarcerated parent, caregivers) in 2008 for a projected savings of $17,293,040. This includes $16,690 in juvenile delinquency costs and $40,195 adult crime costs (Small and O’Connor, 2007).</td>
</tr>
<tr>
<td>72 Youth 4-H Living Interactive Family Education (LIFE) Program Participants</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

State bound 4-H Contest Day winners in Public Speaking and Demonstrations.

Back Row: Meridith Oesch, Seth Hansen, Josie Reeter, Liberty Cox, Sidney McWilliams  
Front Row: Julia Stimpson, Azriel Murphy, Maggie Brockmeier, Madyson Eskew, Alijah Hibner, Owen Oesch, Morgan Brockmeier
Livingston County 4-H in Pictures

Livingston County 4-H Campers

2014 4-H Council Officer Induction

4-H Energizer events:
Quilting & Babysitting Workshops

Contest Day
Club with highest participation: Liberty 4-H

Left: Willie Bagley, 2014 State Fair 4-H Hall of Fame

Right: 4-H members having fun at the 4-H Lock-In
Human Environmental Sciences: Human Development and Family Studies
Strengthening relationships and wellness of individuals, families and communities.

Jessica Trussell
Human Development and Family Studies Specialist
Serving: Caldwell, Carroll, Daviess, Grundy, Harrison, Livingston, Mercer and Ray counties

<table>
<thead>
<tr>
<th>Program or Workshop</th>
<th>What Did They Learn?</th>
<th>What Action Did They Take?</th>
<th>How Does This Work To Make Livingston County and Missouri Better?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Focus on Kids</td>
<td>These parents of children ages 18 and younger attending the Focus on Kids class for divorcing parents overwhelmingly reported they were more knowledgeable about the effect of divorce on children and that the class provided them with tools to reduce their children’s stress and enhance their co-parenting together.</td>
<td>The participants reported the following:</td>
<td>When you support the Focus on Kids program the county and state benefit as parents are better able to meet the social and emotional needs of their children, reconfigured households are more stable, and both the children and parents have action solutions for reducing stress and building upon strengths.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- One hundred percent plan to avoid arguing/fighting with their children’s other parent in front of the children</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- One hundred percent plan to avoid questioning their children about their other parent's finances or relationships.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- One hundred percent agreed that the class should be required of all divorcing parents who have children.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Healthy Relationship and Marriage Education</td>
<td>This training is geared specifically for child welfare professionals with which provides information and strategies to strengthen couple and family relationships. The participants learned strategies and tools to help their clients in seven areas:</td>
<td>At the time of the follow up, six of the 17 respondents had already used the program and information with their clients. When asked why the program was useful, they said the following:</td>
<td>When you support Healthy Relationship and Marriage Education, child welfare professionals learn strategies to help strengthen couple and family relationships which will help meet the safety, permanency, and well-being needs of vulnerable children in the child welfare system which benefits other community members by decreasing the number of children in foster care placements and increases the stability of at-risk families in the community.</td>
</tr>
<tr>
<td></td>
<td>1. Caring for oneself</td>
<td>- “The clients benefit from the handouts and the discussions following.”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Choosing to have a committed relationship</td>
<td>- “The tools and knowledge gained about the importance of positive thoughts and communication and how it relates to family function and family history.”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. Knowledge of partners and self</td>
<td>- “I find the tools helpful in engaging my people.”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4. Care for partner and self</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5. Sharing meaningful time together</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6. Managing conflict</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7. Connections between family, peers and community</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mike Beetsma, Children's Division Supervisor, participates in an exercise to show how stressors can overwhelm families.
**Human Environmental Sciences: Family Nutrition Education Program (FNEP)**

FNEP provides information on nutrition, food safety and physical activity for lifelong health and fitness.

---

### Program or Workshop | School Districts and Agencies Served | What Did They Learn? | What Action Did They Take? | How Does This Work To Make Livingston County and Missouri Better?
---

**1898 – youths**

- Little Angels Day Care
- Open Arms Daycare Center
- Chillicothe Head Start Center
- Central Elementary
- Dewey Elementary
- Field Elementary
- Garrison School
- Livingston County Elementary
- Southwest Elementary
- Verelle Peniston State School
- Diapers and Diplomas Daycare

**Show Me Nutrition**

**Summer Library Reading Program**

**1,366 – adults**

- Chillicothe Housing Authority
- Life Center Food Pantry
- Livingston County Food Pantry

**Eat Smart Be Active**

Education for adults includes nutrition, food safety, physical activity, and food resource management.

- How to fix healthy food that tastes great
- How to keep foods safe
- How to stretch food dollars

- Student changes observed state wide by teachers reveal:
  - Ninety percent more aware of nutrition
  - Sixty-seven percent make healthier meal and/or snack choices
  - Eighty percent more willing to try new foods
  - Eighty-three percent improved hand washing
  - Sixty-five percent increased physical activity

Participants learn:
- Trying new foods is fun
- Healthy food from the start, comfort food for life.
- Food safety means better health
- Health means energy to play and learn

- Adults who participated made significant improvements in these areas:
  - Seventy-one percent use the “Nutrition Facts” label to make food choices
  - Sixty-eight percent plan meals ahead of time
  - Fifty-seven percent eat more than one kind of vegetable each day

The Family Nutrition Program brought $8,872,444.71 in federal funds to the state of Missouri. These funds were used to provide nutrition education to 1,047,203 food stamp recipients and food-stamp eligible citizens of Missouri. 3,264 of these participants reside in Livingston County. It also funds 1 full-time job with quality benefits plus expenses for making the programming available to qualified, schools and agencies in the county.

Participants make healthier meal and snack choices, increase their physical activity, and in general make healthier food choices. They 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.

**Success Story from Tracy Minnis, Nutrition Program Associate**

“While teaching nutrition at Southwest Livingston County, there was a 1st grade student who really enjoyed our tasting of the “Nearly a five food group sundae”. She enjoyed it so much that she brought that same snack for her birthday treat to share with her class a few weeks later. It is exciting to see children enjoy a healthy snack so much that they would choose it over a traditional sugary treat. That is what I call making a lifestyle change, that will benefit the students forever.”

**Tracy Minnis**

**Nutrition Program Associate**

**Serving: Livingston and Grundy counties**

---

**Tracy Minnis, Nutrition Program Associate teaching at Dewey School**
### Human Environmental Sciences: Housing and Environmental Design

**Education programs and assistance to citizens**

**Connie Neal**

**Housing and Environmental Design Specialist**

*Serving: Andrew, Atchison, Buchanan, Caldwell, Carroll, Clinton, Daviess, DeKalb, Gentry, Grundy, Harrison, Holt, Lafayette, Livingston, Mercer, Nodaway, Ray, Saline and Worth counties*

---

<table>
<thead>
<tr>
<th>Number of Livingston County Learners</th>
<th>Topic</th>
<th>What Did They Learn?</th>
<th>How Did Participants Benefit?</th>
<th>How Does This Work Make My Assigned Area and Missouri Better?</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - Green Hills Community Action Agency (GHCAA) participants 17 - participants from surrounding counties</td>
<td>Healthy Homes</td>
<td>Participants learned how to reduce indoor pollutants by limiting the number of chemicals used and by following the basic guidelines for improving their indoor environment.</td>
<td>Participants benefited by learning how to improve their indoor environment, save money and help conserve natural resources. Participants received recipes and the supplies for making their own cleaning products.</td>
<td>It provides citizens with the information needed so that they can simplify their cleaning, save money and improve their indoor environment.</td>
</tr>
<tr>
<td>1 - Green Hills Community Action Agency (GHCAA) participants 15 - participants from surrounding counties</td>
<td>Energy Management</td>
<td>Measures they can take to save energy and money. Participants learned tips for weatherizing their home.</td>
<td>Participants benefited by learning the importance of an energy audit which the GHCAA provides free of charge. They learned measures they can take to save energy and money by replacing their light bulbs, using caulk, weather stripping and replacing faucets with energy efficient devices. All participants received an energy and weatherization kit from the</td>
<td>By increasing the energy efficiency of homes by including the importance of weatherization and insulation of homes as well as strategies for saving energy and water.</td>
</tr>
</tbody>
</table>

---

### Community Development

---

**Tracy Marlo-Daugherty**

**Community Development Specialist**

*Serving: Grundy, Linn, Livingston, Macon, Mercer, Putnam and Sullivan counties*

---

**Highway 36 Alliance Concept Planning**

---

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>Total Hours of Workshop</th>
<th>What Did They Learn?</th>
<th>How Did Participants Benefit?</th>
<th>How Does This Work To Make Livingston County and Missouri Better?</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>6</td>
<td>Members of the Highway 36 Alliance learned about funding programs that match objectives for continued development of the heritage corridor.</td>
<td>Leaders coordinated to develop the concept for a training program to be rolled out in 2015 to map cultural and heritage assets, build leadership capacity, and encourage networking with regional, state, and federal</td>
<td>Tourism is the second largest industry in Missouri. Efforts to build upon the hospitality economy from Hannibal to St. Joseph directly contribute to state tourism investments through the Missouri Department of Tourism and Missouri Department of Transportation.</td>
</tr>
<tr>
<td>Number of Learners</td>
<td>Total Hours of Client Counseling in 2014</td>
<td>What Did They Learn?</td>
<td>What Action Did They Take?</td>
<td>How Does This Work Make Livingston County and Missouri Better?</td>
</tr>
<tr>
<td>--------------------</td>
<td>----------------------------------------</td>
<td>----------------------</td>
<td>---------------------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>81 individual businesses received one-on-one counseling assistance from the Missouri Procurement Technical Assistance Center (MO PTAC) in St. Joseph, Missouri.</td>
<td>Clients received 415 hours of one-on-one counseling and instruction in multiple areas of government contracting.</td>
<td>Clients learned how to effectively prepare to sell products and services to government agencies. Clients learned how to complete vendor registrations, vendor certifications, research bid opportunities, prepare bid documents and develop effective marketing techniques in the government marketplace.</td>
<td>Clients taking advantage of the services provided by the Missouri Procurement Technical Assistance Center registered as vendors for appropriate government agencies such as the Federal Government and State of Missouri which allowed the client to sell goods and services to those agencies. Clients also submitted applications for appropriate socio-economic certifications such as woman-owned, minority owned, and service-disabled veteran-owned small business providing the client with a competitive advantage during the bidding process. Clients searched for bidding opportunities and submitted bids/proposals for appropriate contracting activities. Local clients received $8.37 million in contract awards. Statewide contracts for MO PTAC clients totaled more than $340 million.</td>
<td>Government agencies spend well over a trillion dollars annually to purchase goods and services. The federal government has a statutory goal to give 23 percent of federal contracting dollars to small businesses. The Missouri Procurement Technical Assistance Center (MO PTAC) educates small business owners to assist them in becoming successful government contractors. Vendors who continuously pursue government contracts become increasingly successful as they understand the process more fully. Successfully obtaining a government contract keeps government dollars flowing into our county and state helping to create and retain jobs. The awards received by clients through the St. Joseph PTAC office equate to more than 167 jobs created or retained. Statewide contracts equate to more than 6,800 jobs created or retained.</td>
</tr>
</tbody>
</table>

**Local Construction Services Gain Access to Rosecrans Contracting Activity**

The Missouri National Guard issued a solicitation for construction services at multiple sites around the state. One site was local Air National Guard Base, Rosecrans. This solicitation, called a Multiple Award Task Order Contract (MATOC), is a contract to get a contract. Vendors submitted proposals and those who were awarded the MATOC were placed on an exclusive list of contractors approved to perform construction work at the select sites throughout the state. Three construction companies approached the St. Joseph office of the Missouri Procurement Technical Assistance Center (MO PTAC) seeking assistance with understanding the solicitation requirements and help in building a successful proposal. After several meetings, all three clients submitted proposals to Jefferson City. Each client was successful in getting the MATOC contract, a contract that had a potential value of $20 million per vendor. Early in 2014, one of the three clients was awarded their first job under the MATOC; a $1.86 million job to construct a security forces facility at Rosecrans. The client considers the assistance provided by the PTAC office to be invaluable and greatly assisted in successfully obtaining the MATOC contract.
Missouri State Fair Farm Family

Steve and Brenda Haley and family of Chillicothe were among the 110 families honored during the Missouri State Fair’s Farm Family Day on August 11, 2014. The Haley’s were selected as the Livingston County Missouri State Fair Farm Family by the Livingston Extension Council and local Farm Bureau. The family includes Emilee, Lauren and Allison. The Haley’s were selected as the Livingston County Farm Family due to their support of 4-H and FFA. They continue to be involved throughout the community and show a sincere interest in the betterment of the area youth.

Chancellor R. Bowen Loftin Visits Chillicothe

On November 18, 2014, University of Missouri Chancellor R. Bowen Loftin visited Chillicothe to learn about MU Extension’s role in strengthening the local economy, area farms, families and communities. During his visit in Chillicothe, Loftin visited with over 300 4-H and FFA students to discuss the value of higher education. He also met with community leaders and MU Extension staff members to discuss programming in agriculture, 4-H, food and nutrition, business and community development, and emergency management.

Above: Jim Humphrey presents emergency management program.

Below: Chancellor Loftin with local 4-H members.

Above: Chancellor Loftin and Jessica Trussell with the 450+ bowties representing 4-H enrollment in Livingston County.
Continuing Education

Support of University of Missouri Extension’s Continuing Education programs provide professional development for those serving in a variety of fields that directly impact the well-being and success of the citizens of Livingston County and Missouri; such as, the Fire and Rescue Training Institute, Nursing outreach, Law Enforcement Training institute and Continuing Medical Education. In addition, continuing education provides multiple personal enrichment opportunities for Livingston County residents through programs like: Master Gardener, Master Naturalist and Osher Lifelong Learning Institute (courses for ages 50 and over). Quality continuing education has provided Livingston County and Missouri with:

- highly trained and educated professionals in medial and emergency related fields
- an increase in the capacity for creating and retaining businesses and quality jobs

Fire and Rescue Training Institute

MU Extension’s Fire and Rescue Training Institute (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 effect on the well-being and protection of Missouri’s 24,000 firefighters and the 5.9 million citizens they serve. In addition to preparing them to fight fires, courses prepare firefighters for medical emergencies, hazardous materials response and disaster preparedness and mitigation. In FY 2014, FRTI trained firefighters representing 113 of Missouri’s 114 counties for a total enrollment of 13,958 fire and emergency responders equating to almost 170,000 student instructional hours of training.

There were 15 participants from Livingston County.
For more information, see mufrti.org.

Law Enforcement Training Institute

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 FY2014 LETI conducted 75 programs with almost 64,000 contact hours of instruction. There were almost 800 students from 69 Missouri counties and over 500 from around the United States.

There were 4 participants from Livingston County.
For more information, visit leti.missouri.edu.

MU Conference Office

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. In FY2014, the conference office registered 13,484 Missourians for MU Extension conferences. Participants attended conferences for teacher education in math, science and writing; agricultural lending; plant science; and therapeutic recreation.

There were 89 participants from Livingston County.
For more information, visit muconf.missouri.edu.
Continuing Education

Nursing Outreach

Keeping Missouri nurses up-to-date with the knowledge and skills they need to effectively provide care is a primary goal for MU Nursing Outreach. Nursing Outreach provides high-quality, affordable continuing education programs using face-to-face and Web-based delivery methods, which helps them reach the 88 percent of their audience living in rural areas. Nurses from 85 (75 percent) of Missouri’s 114 counties and the city of St. Louis attended continuing education programs sponsored by MU Extension in FY2014.

Solo Nursing Outreach programs saw 1,889 participants, and another 944 nurses partook in co-sponsored multidisciplinary programs. Participants rated the overall quality of their continuing education experience at 1.3 on a 4-point scale, with 1 being the highest, and indicate they plan to change their clinical practices based on what they learned in Nursing Outreach programs.

There were 2 participants from Livingston County.

Missouri Training Institute

The Missouri Training Institute (MTI) provides continuing education programs in business, custom-designed training programs, and business consulting services for business and industry, public and nonprofit organizations, and educational institutions. Training programs cover human resource management, supervision, management, leadership, team building, effective decision-making, dealing with generational differences and business writing. The institute’s consulting services cover human resources, strategic planning, board development and board retreats. In FY 2014, 14,174 people from all 114 Missouri counties enrolled in the institute’s 510 programs.

There were 2 participants from Livingston County.

For more information, visit mti.missouri.edu.

Osher

The Osher Lifelong Learning Institute at the University of Missouri (Osher@Mizzou) is a membership organization for adults ages 50 and older to enjoy classes, teach, exchange ideas and travel together.

The program provides opportunities for intellectual development, cultural stimulation, personal growth and social interaction in an academic cooperative run by its members who volunteer their time and talents. The program focuses on classes developed and led by fellow members and faculty from the University of Missouri, Stephens College and Columbia College.

For more information, visit extension.missouri.edu/learnforlife

In 2014, 112 Livingston County residents participated in programing provided by MU Extension’s Continuing Education Department.

Continuing Medical Education

The Office of Continuing Medical Education provides rural primary-care physicians with access to education as necessary for them to meet state licensure requirements, learn specialty medicine and for health education. Distance learning via the Missouri Telehealth Network provides access to weekly grand rounds from various School of Medicine departments. In FY 2014, more than 1,800 programs reached 27,322 health care professionals across the state and around the world.
Impact on Livingston County, Missouri

The County at a Glance

- UM Students: 69
- UM Alumni: 464
- UM Employees: 10
- Population: 14,871
- UM Salary & Retirement Income: $257,015
- UM State Tax Revenue: $7,245
- UM Federal Tax Revenue: $26,482

UM Students from the County in 2014

- 69 students
  - 58 - MU
  - 5 - UMKC
  - 6 - Missouri S&T
  - 52 - Undergraduates
  - 17 - Graduates
  - 66 - Full-time students
  - 3 - Part-time students

UM Alumni Residing in the County in 2014

- 464 alumni
  - 381 - MU
  - 66 - UMKC
  - 11 - Missouri S&T
  - 6 - UMSL
  - 224 Selected School Alumni
    - 8 - Medicine
    - 24 - Nursing
    - 8 - Health Professions
    - 8 - Dentistry
    - 9 - Pharmacy
    - 1 - Optometry
    - 6 - Veterinary Medicine
    - 113 - Agriculture
    - 27 - Engineering
    - 20 - Law

UM Employees and Retirees Residing in the County in 2014

- 10 people employed by UM
  - 8 - MU
  - 1 - UMKC
  - 1 - UM Health Care
- 4 UM Retirees and Beneficiaries

UM Services Received in the County in 2014

- 282 patients seen at UM Health Care, with $129,942 of uncompensated care.
- 10 patients seen at the UMKC School of Dentistry with an average of $123 per patient in uncompensated care.
- 22,781 contacts with MU Extension through MU Extension events held in district counties.

UM Alumni Teaching K-12 in the County in 2014

- 34 teachers
  - 19% of all county teachers
  - 3 principals and administrators
  - 25% of all county principals and administrators

UM Footprint in the County

Timmons Farm, Livingston County MU Extension Center
Impact on Livingston County, Missouri

UM Research Expenditures Funded by Federal and Private Sources

- Between FY2008 and FY2013, UM brought in more than $1.1 billion in federal and private research funds.

Economic Development Highlights
- With $3.2 billion in total revenues in 2014, UM would have been the 16th largest publicly held Missouri-headquartered company in the state in 2013.
- With almost 32,000 employees in the state, UM was Missouri’s 2nd largest employer in 2013.
- In 2012, UM’s $165.2 million in federal research expenditures represented 94.3% of these expenditures at Missouri public universities.
- In 2014, UM’s $31.0 million in National Science Foundation (NSF) awards represented 91% of all NSF awards made to Missouri public universities.
- UM earned $10.8 million in licensing income in 2014.
- UM received 176 new invention disclosures in 2014.
- 4 startups were created around UM technologies in 2014.
- UM was issued 53 U.S. patents and filed 83 new U.S. patent applications in 2014.

Electronic Services to the State in 2014
- The Missouri Research & Education Network (MOREnet) provided internet connectivity and technical services to members that include:
  - 61 higher education institutions with more than 238,000 students.
  - 517 K-12 schools serving more than 846,000 students.
  - 132 public libraries connecting 335 library buildings that serve 5.3 million Missourians.
  - Serving the State Office of Administration, several municipalities and various other eligible organizations.
- MOREnet returned over $15 million in telecommunications expenditures to companies doing business in Missouri.

Financial Aid Provided to UM Students in 2014
- $888.2 million provided to 58,553 total students
  - $444.9 million (28,087 students) - MU
  - $202.2 million (11,887 students) - UMKC
  - $102.2 million (6,819 students) - Missouri S&T
  - $138.9 million (11,740 students) - UMSL

Impact on Education
- UM enrolled 44.8% of first-time undergraduates attending four-year public institutions in 2013.
- UM awarded 50.4% of the 1,210 doctoral degrees earned in Missouri in 2012.
- UM awarded 41.8% of the 1,890 first professional degrees earned in Missouri in 2012.
- UM awarded 53.6% of the 30,793 bachelor’s or higher degrees awarded by Missouri’s four-year public institutions in 2012.

Supporting the University of Missouri is an investment in the future of Missouri.

The university advances Missouri citizens and communities through its mission of teaching, research, public service, and economic development across our four campuses and University of Missouri Extension.

Prepared in December 2014, based on the best available data.
Data Sources include: Missouri Office of Administration • UM IRP • Office of Social and Economic Data Analysis (OSEDA) • Center for Applied Research and Environmental Systems (CARES) • MU • UMKC • Missouri S&T • UMSL • UM System • UM Health Care • MU Extension • US Census Bureau • US Dept of Health and Human Services • National Science Foundation
# Financial Report

County of Livingston Agricultural Extension

Annual Income and Expense Financial Report

January through December 2014

<table>
<thead>
<tr>
<th>Jan - Dec</th>
<th>2014</th>
</tr>
</thead>
</table>

## Income

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>0210</td>
<td>County Appropriations</td>
<td>24,999.96</td>
</tr>
<tr>
<td>0220</td>
<td>City Appropriations</td>
<td>4,160.00</td>
</tr>
<tr>
<td>0300</td>
<td>Investment Income</td>
<td>3,981.58</td>
</tr>
<tr>
<td>0400</td>
<td>Gift/Grants/Contracts</td>
<td>20,656.53</td>
</tr>
<tr>
<td>0430</td>
<td>4-H Foundation (Non Payroll Salaries)</td>
<td>16,000.00</td>
</tr>
<tr>
<td>0400</td>
<td>Gift/Grants/Contracts - Other</td>
<td>4,656.53</td>
</tr>
<tr>
<td>0900</td>
<td>Resale/Educational Services Fees</td>
<td>2,569.31</td>
</tr>
<tr>
<td>1300</td>
<td>Miscellaneous Income</td>
<td>85.75</td>
</tr>
<tr>
<td>1500</td>
<td>Postage Income</td>
<td>2,520.00</td>
</tr>
<tr>
<td>1600</td>
<td>Balance Transfers</td>
<td>0.00</td>
</tr>
<tr>
<td>1610</td>
<td>Fund Re-Allocation</td>
<td>0.00</td>
</tr>
<tr>
<td>Total</td>
<td>0400 · Gift/Grants/Contracts</td>
<td>20,656.53</td>
</tr>
</tbody>
</table>

## Gross Profit

| Gross Profit | 58,973.13 |

## Expense

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700</td>
<td>Personnel - Salaries and Wages</td>
<td>22,021.91</td>
</tr>
<tr>
<td>2800</td>
<td>Payroll Expenses</td>
<td>1,707.87</td>
</tr>
<tr>
<td>2900</td>
<td>Non Payroll Salaries</td>
<td>15,551.82</td>
</tr>
<tr>
<td>3100</td>
<td>Travel</td>
<td>2,474.77</td>
</tr>
<tr>
<td>3600</td>
<td>Postage</td>
<td>2,069.08</td>
</tr>
<tr>
<td>3700</td>
<td>Telephone Service - Local</td>
<td>1,871.85</td>
</tr>
<tr>
<td>3800</td>
<td>Telephone Service - Tolls</td>
<td>800.47</td>
</tr>
<tr>
<td>3900</td>
<td>Advertising</td>
<td>35.00</td>
</tr>
<tr>
<td>4300</td>
<td>Rent/Lease Space</td>
<td>5,000.00</td>
</tr>
<tr>
<td>4700</td>
<td>Publishing/Printing</td>
<td>54.00</td>
</tr>
<tr>
<td>5100</td>
<td>Supplies/Services</td>
<td>4,942.82</td>
</tr>
<tr>
<td>6400</td>
<td>Other Contract Services</td>
<td>1,500.00</td>
</tr>
<tr>
<td>6800</td>
<td>Insurance</td>
<td>500.00</td>
</tr>
<tr>
<td>7000</td>
<td>Miscellaneous</td>
<td>190.00</td>
</tr>
<tr>
<td>7010</td>
<td>Extension Council Election Expense</td>
<td>78.50</td>
</tr>
<tr>
<td>7100</td>
<td>Soil Test Expenses</td>
<td>736.00</td>
</tr>
<tr>
<td>7200</td>
<td>Publications for Resale</td>
<td>843.97</td>
</tr>
<tr>
<td>7700</td>
<td>Furniture/Equipment</td>
<td>285.85</td>
</tr>
<tr>
<td>7999</td>
<td>Fee Generation Distribution</td>
<td>360.75</td>
</tr>
<tr>
<td>Total</td>
<td>Expense</td>
<td>61,024.66</td>
</tr>
</tbody>
</table>

## Net Income

| Net Income | -2,051.53 |
Letter from Livingston County Office Staff

In closing of this annual report, the staff would like to thank the many individuals who assisted with the programming in the county. Without you providing the necessary help and guidance, we would not be as successful as we are today. We are thankful of the funding provided by the county, city, 4-H foundation and local businesses, without it, we could not exist. We are thankful for the many hours that our county extension council puts in to see that the office runs smoothly. To volunteers, whether or not they are 4-H or general in nature, we appreciate everything you do to guide us in doing right for the community in which we live. Therefore, accept our commitment to continue to do good work and knowing that we are here to serve you.

Jessica Trussell       Jena Eskew       Joyce Hall       Kevin Hansen

Tracy Minnis          Shaun Murphy      Pat Wood

Elected Officials Serving Livingston County

2014 Livingston County Commissioners

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presiding Commissioner</td>
<td>Eva Danner Horton</td>
<td>(660) 646-8000</td>
</tr>
<tr>
<td>Easter District</td>
<td>Ken Lauhoff</td>
<td></td>
</tr>
<tr>
<td>Western District</td>
<td>Todd Rodenberg</td>
<td></td>
</tr>
</tbody>
</table>

Livingston County Courthouse
700 Webster Street, Suite 10
Chillicothe, MO 64601
(660) 646-8000

Missouri State Executive Officers

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Governor</td>
<td>Jay Nixon</td>
<td>(573) 751-3222</td>
</tr>
<tr>
<td>Lieutenant Governor</td>
<td>Peter Kinder</td>
<td>(573) 751-4727</td>
</tr>
<tr>
<td>Secretary of State</td>
<td>Robin Carnahan</td>
<td>(573) 751-1880</td>
</tr>
<tr>
<td>State Auditor</td>
<td>Thomas Schweich</td>
<td>(573) 751-4824</td>
</tr>
<tr>
<td>State Treasurer</td>
<td>Clint Zweifel</td>
<td>(573) 751-2411</td>
</tr>
<tr>
<td>Attorney General</td>
<td>Chris Koster</td>
<td>(573) 751-3321</td>
</tr>
</tbody>
</table>

Missouri House of Representatives

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mike Lair</td>
<td></td>
<td>(573) 751-2917</td>
</tr>
</tbody>
</table>

Missouri Senate

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brad Lager</td>
<td></td>
<td>(573) 751-1415</td>
</tr>
</tbody>
</table>

US House of Representatives

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sam Graves, Jr.</td>
<td></td>
<td>(816) 749-0800</td>
</tr>
</tbody>
</table>

US Senate

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roy Blunt</td>
<td></td>
<td>(202) 224-5721</td>
</tr>
<tr>
<td>Claire McCaskill</td>
<td></td>
<td>(202) 224-6154</td>
</tr>
</tbody>
</table>