



ANNUAL REPORT 2006

UNIVERSITY OF MISSOURI EXTENSION COUNCIL COOPER COUNTY



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This report is an overview of activities conducted by University of Missouri Extension for Cooper County residents in 2006. Your comments and suggestions for improving our services are welcomed.

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EXTENSION COUNCIL -- 2006

- **Sherry Kempf, Chair**
- **Christopher Draffen, Vice-Chair**
- **Brett Rogers, Secretary**
- **Paul Davis, Treasurer**
- **Dan Dunek**
- **Bill Embry**
- **Luana Hazlett**
- **Jackie Hickam**
- **Janie Houf**
- **Steve Mauzey**
- **Bobby McCutcheon II**
- **Gary Nauman**
- **Shirley Peach**
- **Blake Rhode**
- **Ed Stegner**
- **Judy Stock**
- **Gene Walther**

COOPER COUNTY COMMISSIONERS

- **Eddie Brickner**
Presiding Commissioner
- **Bill Embry**
Eastern District Commissioner
- **Charles Lee Schlotzhauer**
Western District Commissioner

LEGISLATIVE REPRESENTATIVES

- **Kenneth Jones**
Missouri State House Representative
- **Bill Stouffer**
Missouri State Senate Senator

SPECIALISTS HEADQUARTERED WITHIN COOPER COUNTY

- **Art Schneider**
Human Development / Family Studies Specialist /
County Program Director
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- **Todd Lorenz**
Horticulture / Agronomy Specialist
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PARAPROFESSIONALS HEADQUARTERED WITHIN COOPER COUNTY

- **Cindy Thomas**
Half-Time 4-H Youth Development Program Assistant
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Part-Time Support Staff
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OTHER FACULTY MEMBERS WHO SERVE COOPER COUNTY BUT ARE BASED IN SURROUNDING COUNTIES:

- **Randa Brunkhorst**
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- **Cynthia Crawford**
Family Financial Education Specialist -- Saline County
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- **Don Day**
Natural Resource Engineer -- Boone County
e-mail: daydr@missouri.edu
- **Ron Higginbotham**
Community Development Specialist -- Boone County
e-mail: higginbothamr@missouri.edu
- **Vera Massey Nichols**
Nutrition & Health Education Specialist -- Boone County
e-mail: nicholsv@missouri.edu
- **James Ronald**
4-H Youth Specialist -- Boone County
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- **Eugene Schmitz**
Livestock Specialist -- Benton County
e-mail: schmitze@missouri.edu

Dear Members of the County Commission and Community:

Thank you! Your financial support to our land-grant university partnership makes it possible for University of Missouri Extension to deliver high-quality educational programs where Missourians live, work and experience quality of life.

More than 1 million Missourians annually turn to MU Extension for help in improving businesses, farms and communities and strengthening their families. Your partnership with the U.S. Department of Agriculture, the State of Missouri, and local organizations and businesses enhances the state's economy and brings unique opportunities to families and individuals.

In fact, MU Extension partners with more than 100 entities across the state. Those partnerships enable us to extend our educational reach without duplicating services. In FY2007, MU Extension will leverage \$39 million in federal and state funding resources into more than \$81 million in educational programming to serve Missourians.

In 2006, dollars allocated by county commissions to support extension at the local level amounted to 17 percent of the total dollars for extension funding statewide. These local dollars were leveraged to provide more programs to more people. Additionally, our local partners across the state (county commissioners and councils) provided significant in-kind contributions in the forms of office space and meeting space. Grants, fees and contract dollars account for almost 23 percent of extension funding. Combined with state and federal funds, every local tax dollar is matched with an average return of \$10.37. We use these funds very efficiently. In FY2007, just four percent of the budget is going toward administration, compared with 12 percent for most non-profits and government agencies.

The return on your investment in MU Extension for your community is great:

- Businesses become and remain profitable -- creating and retaining jobs.
- Improved agricultural yields add to producers' bottom line, and citizens enjoy a safer environment.
- Towns and cities use research-based resources to make better decisions about their future.
- Young people are more likely to stay in school and increase their lifetime earnings.
- Professionals and other workers stay on the cutting edge of career requirements through continuing education.
- Adults and young people live healthier lifestyles and suffer fewer medical costs.

Your local extension faculty and staff, campus faculty, county extension council members, 4-H volunteers, Master Gardeners and other program supporters look forward to a continued fruitful partnership in 2007. If you have suggestions for how University of Missouri Extension can better serve your needs, please contact me or your local extension center.

Sincerely,

Michael D. Quart
Vice Provost and Director

cc: Brian Foster, Provost
Beverly Coberly, Director, Off-Campus Operations
Extension Regional Directors
Extension County Program Directors

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

EQUAL OPPORTUNITY/ADA INSTITUTIONS

January 2007

COUNCIL MEMBERS

- Paul Davis
- Christopher Draffen
- Dan Dunek
- Bill Embry
- Luana Hazlett
- Jackie Hickam
- Janie Houf
- Sherri Kempf
- Steve Mauzey
- Bobby McCutcheon
- Gary Nauman
- Shirley Peach
- Blake Rhode
- Brett Rogers
- Ed Stegner
- Judy Stock
- Gene Walther

Dear Friends of Extension:

Wow! What an exciting year we have had with Cooper County University of Missouri Extension. The County Extension Council, Extension Specialists and the University of Missouri have grasped the challenge set for us by the land grant mission and ran with it!

Enclosed is the annual report. You will see small highlights of educational opportunities given to our Cooper County citizens this past year. These opportunities have improved the quality of life in our community and insure the prosperity of our future. Each time a Cooper County citizen walks through our Extension office door or utilizes an Extension program, they are opening the door to the research based knowledge of the University of Missouri and generating growth in our community.

Thank you for allowing us to serve our community as council members. We look forward to life changing programs and events being generated from our county office and the University of Missouri in 2007.

Sincerely,

Sherri L. Kempf

Sherri L. Kempf
Council Chair

FAMILY FINANCIAL EDUCATION

A total of 149 individuals participated in the Family Financial Education program in Cooper County in 2006. Fourteen households qualified and eleven households completed the first time home buying process. This represented a savings of \$495,000 and added over \$8 million to the county's economy in real estate activity. Twenty-four families worked on financial issues, topics and problems in direct financial counseling. Women leaders studied financial security in later life and research and principles of Family Financial management.

4-H IN COOPER COUNTY



4-H Clubs

The 4-H Youth Program is for youth ages 5-18. The Clover Kids (ages 5-7) are in non-competitive programs. Cooper County 4-H clubs offer long-term educational experiences where members learn life

skills such as decision making, public speaking and working with others. There were 199 4-H participants in 2006.

Through partnerships youth not enrolled in the club program have access to other Extension 4-H programs. Clubs also involve children and teens in community service, camping, and educational trips.

Studies find teens involved in extracurricular activities are more likely to attend college and increase their potential lifetime earnings. As adults they would also be more likely to vote in all elections and to volunteer in community and religious organizations.



The results of these analyses showed that, even after taking into account family background, teens who consistently participated in extracurricular activities from eighth through twelfth grade were:

- * 70 percent more likely to attend college;
- * 66 percent more likely to vote as young adults; and
- * 50 percent more likely to volunteer.

One out of every ten Missourians between the ages of 5 and 18 participated in a Missouri 4-H program in 2006.

4-H Science in the Classroom

Cooper 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 programs in Cooper County are embryology and Safety Day. There were 390 participants in these two programs.

A total of 555 youth, 255 male and 300 female, were enrolled in 4-H (school based and community clubs). About 97.4% were White and 2.52% Minority (Black, Mixed, Hispanic and American Indian) A mix of 227 lived on farms and 328 lived in towns. with a population of less than 10,000. Of age 8-18 youth, 199 were enrolled in the 4-H club program. A total of over 660 youth projects were completed in the year 2006.

- Most projects are in the science and technology fields.
- Hatching chicks in the classroom provides a hands on scientific activity for younger children. Teachers report introducing topics of youth development as they talk about eggs and chicks hatching. They also like the multidisciplinary opportunity that this program brings to their classrooms.
- Meat science attracts youth from all areas of residence.
- The second largest area of 4-H participation was in the area of plants and animals.
- Another major category of 4-H is in the area of communications and expressive arts. Participants gain speaking, demonstration and presentation skills, and the art of organizing information for the media.
- Youth completed projects in environmental education and earth sciences. Exploring nature gives them an understanding of the environment they live in.

The community continues to provide support for the 4-H program. Many volunteers contribute materials and supplies without reimbursement. In addition, The Boonville Kiwanis donated \$250 to the 4-H program and Boonville's Masonic Shriners donated \$150 to provide scholarships for 1.5 children to go to camp. There were a total of 30 children from Cooper County that attended camp in 2006.

4-H Adult Leadership

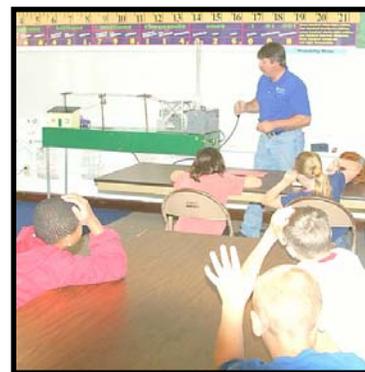
The 163 registered adult volunteers guided 4-H members in a wide variety of projects

Panther Safety Day at Prairie Home School Provides a Good Example of Joint Effort

On May 15, 120 Youth from Kindergarten through 8th grade and 8 Junior and Senior Future Teachers of America members participated in the Panther Safety Day.

Covered subjects were:

- ATV Safety -- Presented by Kent Shannon, U of MO Precision Ag Center
- Bicycle Safety -- Drew Sells, Violet VonderHaar, Prairie Home FTA
- Chemical Safety -- Ashley Lenger & Codi Davis, Prairie Home FTA
- Electric Safety -- Keith Mueller, Education Specialist, Callaway County Electric Coop
- Fire Safety -- Devron Rhodes and Dwight Meyer (Prairie Home Volunteer Fire Department) along with Jimmy Gholson and Jody Pinkett from the Boonville Fire Department with their Smoke House
- Fire Arm Safety -- Muriel Fisk, Cooper County 4-H Shooting Sports Coordinator and Certified Instructor
- Sun Safety -- Cindy Thomas, Cooper County 4-H Youth Program Assistant
- Water Safety -- Todd Lorenz, University of Missouri Horticulture / Agronomy Specialist



We ended the fun filled day back in the gym with the children sharing their experiences with the eight subjects, processing what they had learned, and how they might apply what they

learned at home or with others. We discussed what career we might be involved in that we would need to know about these safety issues.

A Child's Dream

To Have a Horse -- Kathryn Rodman, 11, daughter of Pete and Jane Rodman, and a member of Backwater's Willing Workers 4-H Club, won a horse based upon an essay she wrote what she had learned in the 4-H horsemanship program. The quarterhorse, Kool Little Leo "Tina", was awarded in December by the essay sponsors, Carolyn and Preston Buff of Buff's Quarter Horses, Prairie Home.



Photo by Emily Getzloff, Courtesy Boonville Daily News

FAMILY NUTRITION EDUCATION PROGRAMS

During 2006 Nutrition Education reached 872 low-income participants with information on nutrition, food safety, and physical activity for lifelong health and fitness.

Nutrition education for youth provides information in kid-friendly terms and lessons with hands-on activities. Activities include opportunities for taste-testing healthy foods and practicing skills that lead to good health. Over 2000 youths were served through David Barton R-I, Blackwater R-II, Otterville R-VI and Pilot Grove C-IV Elementary Schools.

Nutrition Education Initiates Changes

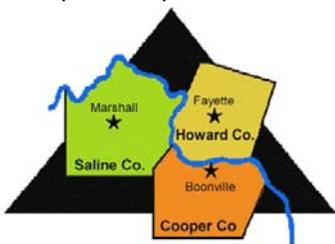


For youths who participated in FNP, results summarized for the state revealed the following positive impacts: Teachers reported students were more aware of nutrition, made healthier meal and/or snack choices, ate breakfast more often, were more willing to try new foods, improved their hand washing, improved their food safety other than hand washing, and increased their physical activity.

ART SCHNEIDER, HUMAN DEVELOPMENT SPECIALIST

Mo-River.Net

- <http://mo-river.net/>
- <http://outreach.missouri.edu/cooper/communities/demographics/cooper/index.shtml>



Mo-River.Net, a 501(c)3 Community Information Network (CIN) serves Howard, Cooper and Saline counties. More than 2000 pages are now on Mo-River.Net. A Cooper

County demographic and statistical information page provides information on agriculture, children's well-being, economic development, marriage and divorce, health related matters, income, population and schools. Currently, 25 corporate sponsors contribute \$100 or more a year.

Cooper / Howard Latino(s) Committee

The Latino population in central Missouri has grown to 143 in Cooper County and 88 in Howard County according to the 2000 census. Sixty-eight Latinos in Cooper and 48 in Howard state they do not speak English well. A gradual increase occurred in the number of Latinos who work in both counties. Saline and Boone counties remain domiciles for those workers.

English as a Second Language

Janie Houf, Extension Council member, taught one Hispanic family for three years. Twice a week she teaches a Chinese student who is attending Boonville High School.

Translators continue to be contacted by public safety and hospital officials. Nine individuals have been identified and agreed to be on call. The committee also has a sign language translator, Chinese translator, German and Czechoslovakian translators.

We now have the group minutes of the meetings on the web: http://mo-river.net/Hispanic_Latino/minutes/cooper%20howard%20Hispanic%20Latino%20Home%20Page.htm

The committee currently is looking at establishing a sister city relationship with a community in Mexico.

The committee is now comprised of Art Schneider, Human Development Specialist; Jamie Thompson, Family Economics Specialist; Danielle Blanck; Boonville Police Chief; Cooper County Communications Center Director; Andy Melendez; Janie Houf; Chris Angelo; Raquel White; Vasyl Linde; Bianca Thoma.

Boonslick Outdoor Arts Initiative

A bust of Frederick T. Kemper joined busts of Boonville notables James Milton Turner, George Caleb Bingham, and Walter Williams and a sculpture of Hannah Cole, town founder, on the bronze walkway at Morgan Street Park.

In 2002 a series of meetings with the Boonville Tourism Commission concerns were expressed about a lack of promotion of tourist sites in the three-county area, a lack of information about local points of interest, and the need to expand the number of attractions the local area provides.

Grassroots efforts were initiated by Extension to mobilize the historic, arts and tourist communities to work jointly to design and expand the number of attractions in a public-private partnership. The first town meeting was held November 5, 2002 in Boonville. It served as a hub to facilitate the coordination of efforts by local not-for-profits and operated under the nomenclature of the Boonslick Outdoor Arts Project. Initial efforts have been directed toward Morgan Street Park as a major intersection and part of the central community corridor. A statue to the town's founder and six bust / pedestals of significant individuals who have had a major local, state or national impact were planned. The City of Boonville agreed to expend funds to stabilize the park, a major undertaking

requiring the removal of tons of debris, waterproofing the adjacent building and landscaping.

Nearly \$115,000 has been raised for the historical sculptures currently dedicated. More than \$76,000 was raised through the private sector. On the plaques of all the dedicated artworks, MU Extension of Cooper County is acknowledged for special thanks.

Boonslick Outdoor Arts Project individuals: Art Schneider, Human Development Specialist; Friends of Historic Boonville; Hannah Cole Chapter DAR; Concerned Citizens for the Black Community; Boonslick Historical Society; Cooper County Historical Society; Friends of Kemper; Kemper Alumni Association; more than 100 individuals; and the Boonville Parks and Recreation Department.

Focus on Kids

In 2006 74 divorcing parents attended Focus on Kids class in Cooper County. Focus on Kids is a 2 ½- to 3-hour parent



education program provided by University of Missouri Extension in collaboration with the circuit court system. The program is designed to help divorcing parents understand: the importance to children of sustained, supportive, and nurturing involvement by both parents; children's and adolescents' developmental needs, abilities, and common reactions to divorce; strategies to help children cope with divorce; and learn of community resources that are available.

New video clips became available in July 2006. These show parents who are separating common dilemmas they may face. Art Schneider is arranging for the scripts to be translated into Spanish so subtitles may be used with Hispanic participants.

Typical parental comments (a complete list is available) were: "Very informative" "It is great" "Very informative & concise" "I think that this program is very helpful and that every parent needs to know this information because of their kids; I wished there was a similar program for both parents to attend to avoid a divorce - my husband wouldn't attend any regular marriage counseling but maybe if the courts made people go through this before any motions were drawn up, it might save some marriages" "This class gave me a lot of information in how to help my children better understand what is going on & its not their fault" "Overall it was a really good and helpful class - I enjoyed it" "I believe it's an insightful program. I hope more people come out of this putting the kids first." "This really helped me know what to do with my son's relationship with his father" "I really needed this to open my eyes."

Grandparents Raising Grandchildren

According to the 2000 Census, 2,719 grandparents in the Central Missouri Extension Region - including 126 in Cooper County - are primarily responsible for raising their grandchildren. The human development specialist facilitates the Central Missouri Grandparents Raising Grandchildren

enrichment group. Art Schneider maintains the Central Missouri website for Grandparents Raising Grandchildren: http://outreach.missouri.edu/cooper/cyf/grandparents_raising_grandchildren.htm.

The site has had 1,469 visits since April 2004. A statewide website is also available that lists all support groups in Missouri:

<http://mo-river.net/community/missourigrandparentcoalition.htm>
The statewide site has had 158 visits since July 2004.

Summer Youth Development

After summer school programming included trips to the fire station, Nordyne, Thespian Hall, Ravenswood, police station, hospital, 911 Center, MU Dairy Farm, grassland scouting for bugs, safety day, soccer, flag football, pencil friends, computer edutainment games, movies on rain days and hot days.

In 2004 the human development specialist in collaboration with the Boonville Parks & Recreation Department, Boonslick Y, Concerned Citizens for the Black Community, Central Missouri Food Bank, Boonville School District and Boonslick Senior Center submitted a proposal under the half-cent sales tax local agency funding program for \$10,327 to the funding committee. The committee recommended and the council approved \$5,000. This funded lunches for the four weeks of summer school plus lunch for up to 60 children during fulltime programming the week after summer school. In 2005 the collaboration proposed a \$5,625 budget to the City of Boonville for four weeks of summer school and up to 75 children during the full week after summer school.

Kids Café

The number and percentage of youths in the Boonville School District eligible for free and reduced lunches has gone up. However, an innovative collaboration allowed more than 7,700 lunches to be served to school children during 2005 and more than 60 students received additional summer enrichment programming. During the four weeks of summer school and the four days after, we served 8,785 lunches. There were 54 children enrolled in the afternoon program the week after summer school.

Open Bible Praise Center prepared the food provided through the Central Missouri Food Bank. The Boonville Parks and Recreation Department provided youth interns and the Boonslick Y an intern. The school district provided lunch chaperones and handled the paperwork for afternoon enrollments. The Extension Center coordinated bread ordering, meal needs and reports, sought donations and ordered supplies and equipment needed.

To help supplement equipment and supply needs this year we received a \$500 donation from Wal-Mart, donated plastic bags from C&R, Wal-Mart and Dave's Country Market. We also received \$250 from the Lions Club, \$100 from the Rotary and \$100 from the Boonville Women's Club. In total we had \$6,575 from the city and private sources.

For the lunches we want to target those eligible for free and reduced lunches. As you can see by the statistics, more than 45% of David Barton youth (those we target for afternoon enrichment) were eligible for free and reduced lunches.

The city has funded the request of \$5,000 for the summer Kids Café program in 2007.

Art Schneider, Human Development Specialist; Gary Nauman, Extension Council Member and Boonville Parks & Recreation Director; Peggy Kirkpatrick and Kit Brewer, Central Missouri Food Bank; Rev. Randy Richards, Open Bible Praise Center; Dr. Greg Gettings, Sandy Painter, Sue Williams, and Mark Ficken, Boonville School District; Teresa Hendrix, Executive Director of the YMCA; Ken Askren of the Circuit Court ; CMU Intern Ray Davis; Dave's Country Market; C&R Market; Todd Lorenz, Horticulture/ Agronomy Specialist; Cindy Thomas, Youth Program Assistant; Don Day, Natural Resources Engineer; Carmen Jones, Extension Council Member and Concerned Citizens for the Black Community.

Building Strong Families

Boonville and Tipton Correctional Centers, Building Strong Families in Corrections. Art Schneider, human development specialist, co-teaches with Jamie Thomson, family finance educator, 13 two-hour classes at the Tipton and Boonville Correctional centers. This class is primarily for fathers who are about to be released. Prisoners in the Boonville Center are usually younger, while those in the Tipton Center have served longer sentences. In 2006 three 13-week classes were offered in Boonville. In Tipton classes were offered in the afternoon and in the evening for the work-release prisoners.

Other Community Memberships

Art Schneider serves on the Cooper County Teen Court Committee, Cooper County Human Services Council, Mo-River.Net board of directors, Outdoor Arts project steering committee and Cooper/Howard Hispanic/Latino Committee.

Missouri State Chamber of Commerce Leadership in Progress Program

Art Schneider, human development / family studies specialist, serves as a senior counselor for the three-day Missouri State Chamber of Commerce Leadership in Progress program for incoming high school sophomores.

Youth are selected by their schools and sponsored by private industry and local chambers of commerce. In Cooper County two youth attended in 2006.



TODD LORENZ, HORTICULTURE/AGRONOMY SPECIALIST

Environmental Quality SWCD and INFO/ED Program

Conservation practices have improved runoff water quality through watershed management. Soil conservation practices in Cooper County include, but are not limited to, Permanent Vegetative Cover Establishment, Terraces, Diversions, Water Impoundment Reservoirs, Sediment Retention/ Erosion Control, Sod Waterways, No-Till, Nutrient Management Systems, Pesticide Management Systems, and Managed Intensive Grazing Systems.

Cost shares of \$283,000 to Cooper County farmers resulted in 24,319 tons of soil saving in 2005 - 2006. The annual banquet served 280 area landowners where educational programs and county awards were presented.

In the Info/ED program, 14 presentations were given to 360 elementary students and posters depicting conservation practices were judged for state competition. In the Envirothon Contest, High school students compete in areas of Soils, Forestry, Aquatics, Wild-life, and an environmental issue that changes every year. In addition to the five test sites, each team is also required to give an oral presentation relating to the current issue.

Pesticide Applicator Training

By state mandate, the University of Missouri Extension is responsible for educational resources and program training for farmers who wish to apply restricted use pesticides under an agreement with the Missouri Department of Agriculture. Private Applicator Trainings (PAT) are used to meet the requirements of the state licensing. The five year renewable licensing program was presented to 22 county farmers.

Boonslick Master Gardeners

The Boonslick chapter of the Missouri Master Gardener has 15 active Master Gardeners. To remain active in the chapter, members are required to volunteer a minimum of 20 hours of educational services to the local community. The chapter recently established a board of officers and is developing an organizational structure and charting the chapter's direction. At this writing, the chapter logged 200 volunteer hours and had hundreds of client contacts.

Services include individual citizen contacts, monthly Master Gardener meetings, information booth at Wal-Mart open house, planting Boonville Main Street boxes and Morgan Street Park, potting plants for sale, continued work and improvements to the Calaboose Gardens, Maintenance of I-70 Rest Area flower beds, participation in the "Plant a Row for the Hungry" where produce was donated back to the Boonville Senior Center, presentation of "Shade Trees" to the Vine Clad Garden Club, Display at the Boonslick Regional Library during National Gardening week, participation in the Missouri State Fair and a youth education booth at the Pilot Grove Fall Festival. It is worth noting that our Boonslick Master Gardener scarecrow submitted in the contest won 1st place.

One of our newest programs was a Master Gardener derived event entitled "Front Porch Decorating Contest and Walking Tour". The objective was to remember and relive the time when we all had time to sit on our front porches and visit with our friends and neighbors on a lovely Sunday evening.

In my Regional Horticulture Specialist role, I assisted with core classes in Cooper, Cole, Boone and Chariton County. I assisted with advanced trainings in Cole County. I worked with the local 4-H club in acquiring a tree grant where trees were chosen, sites selected, planted, and maintained by the chapter. I was able to host the Central Missouri Region Master Gardener Coordinators meeting where representatives from 14 counties were present. I was on the training team for an in-service educational training for field faculty entitled "Gardens for Everybody". I presented at the Missouri Valley Turf Association spring meeting and a regional pruning workshop in Cole County.

Agriculture Food and Natural Resources

University of Missouri Extension implemented weekly Integrated Pest Management teleconferences to keep agronomists up to date on current issues. Updates are provided through local / regional media. Information is provided through the regional agriculture newsletter "Ag Connection". One of our major concerns this year was the drought conditions. The drought affected every facet of farming operations in 2006 including livestock, pastures and grain. There were 20 nitrate quick tests done in-house for those farmers who were running short on pasture and looking to feed corn stalks as fodder. Of those quick tests, five were recommended to the University of Missouri testing laboratory for quantitative analysis. At least two of those tests resulted in farmers unable to feed corn fodder to livestock due to the high levels of nitrate.

I was able to help develop producer grants and work with producers on agri-tourism. I also assist clients with soil testing and soil test reports. This year Cooper County submitted 481 soil tests, five soil test revisions, two Soybean Cyst Nematode samples and a research project driven by campus, and a variety of 10 other samples to the University Soil and Plant Testing Laboratory. I am working with a local producer on a water hemp resistant research project.

University of Missouri Extension provides research-based information and assistance to area farmers in agronomy, livestock management, farm management and record keeping, alternative farming enterprises, farm safety and equipment management to help them increase the efficiency and profitability of their farm operation. Information is provided through newsletters, news releases, presentations and individual consultation.

I was able to support the new Missouri Woodland Steward Program and hosted the tour in Cooper County. I have assisted in starting termite testing experiments in the county. I am currently serving on the newly developed Heart of Missouri Grazing group which encompasses 13 central Missouri Counties.

Other Professional Development and Community Activities

I was able to finish the Missouri Extension Leadership Development program and was one of two representatives of the University selected to attend the National Extension Leadership Development program. I have since been selected to serve on the Extension Leadership Development advisory committee. I served as President of the Missouri Agriculture Extension Professionals and will serve this year as Past President. I am the current National Chair of Recognition and Awards with the National Association of County Agricultural Agents. I serve on the Pilot Grove C-4 school district and the Community Betterment Association. I serve on the University of Missouri Plant Protection Program advisory committee. I was involved in the USDA Affirmative Action audit of the Cooper County Extension Center.

AG LENDER SEMINAR - BOONVILLE

Financing and Management in Agriculture, Ag Lender Seminar was held in Boonville in November. Lenders from seven counties were in attendance: Boone, Cole, Cooper, Howard, Moniteau, Pettis, and Saline. Topics covered included

information on grain and livestock production, marketing, and trends; CARES internet mapping tool; FINPACK Business Plan software; ethanol industry update; and health savings accounts. Regional extension specialists directly involved include Parman Green, Mary Sobba, Randa Brunkhorst, with assistance from FAPRI staff Melvin Brees and Scott Brown.

RANDA BRUNKHORST, AG BUSINESS SPECIALIST Drought Management Meeting

August 2006 – Little rainfall in the summer of 2006 lead to a shortage in forage supplies early in the fall. Livestock producers began to use their already limited hay reserves and were concerned about their ability to feed their livestock through the winter. Gene Schmitz, Livestock Specialist; Rich Hoormann, Agronomy Specialist; and Randa Brunkhorst, Ag Business Specialist; developed a program to help livestock producers develop some grazing strategies to deal with the drought. Twenty-five participants from Pettis, Benton, Morgan, Moniteau and Cooper counties attended the five sessions. They learned about fertilizing strategies to stimulate forage production, alternative forages that are available, budgets for using alternative forages and the benefits of stockpiling. Several producers reported that they intended to fertilize their fescue pastures to stockpile some forages for the winter. There were several participants that expressed interest in planting ryegrass as an annual crop for additional available forages. All agreed that fall and winter rains would be the best option to end forage shortages.

Central Missouri Sheep & Goat Marketing Group, LLC

There is a growing number of small ruminant producers in the Central Missouri Region. The producers face a marketing challenge because there is no market within a 100 mile radius of the area. The need was emphasized when 180 small ruminant producers attended an awareness meeting in Fortuna in the spring of 2006. One of the outcomes of the meeting was that the group decided to form the Central Missouri Sheep & Goat Marketing Group, LLC. Gene Schmitz, Livestock Specialist; Rich Hoormann, Agronomy Specialist; Mary Sobba, Ag Business Specialist; Parman Green, Ag Business Specialist; and Randa Brunkhorst, Ag Business Specialist; worked with the group to form the Central Missouri Sheep & Goat Marketing Group, LLC in September. This allowed them to have their first breeding auction in Versailles in October 2006. One hundred seventy-eight sheep and goats were sold at the first auction from 25 consigners. The consigners represented 15 towns from Moniteau, Morgan, Miller, Camden, Cooper, Benton and Pettis Counties. The gross sales of the first auction were \$10,750. "Without the help of MU Extension, we would still be back where we were in Fortuna still wondering which way to go first," stated Jim Homan, Chairman of the LLC. The group felt their first sale was a success and have scheduled two for 2007 along with plans to host educational seminars.

Individual Consultation / Farm Visits

Constantly changing farm economy creates many questions in the agricultural community. Farmers are concerned with land prices, renting vs. buying, custom rates and financing.

Individual consultation and farm visits included:

- Providing information on profitability of irrigation and costs of land improvements to one farmer in Cooper County

CHRIS THOMPSON, BUSINESS DEVELOPMENT SPECIALIST

As entrepreneurs and innovators, Missouri's small businesses are becoming a more diverse group that continues to make the state's economy productive. There are approximately 500,000 small businesses in Missouri. 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 and the well-being of its citizens and communities.

In Cooper County, during 2006, specialists and counselors with MU Extension Business Development Program served 16 people and their companies with counseling, training and other assistance. In addition, business owners and managers in Cooper County reported the following economic impact and activity as a result of the services provided by the Extension's Business Development Program:

- 3 new jobs created
- 10 individuals or businesses receiving counseling
- 3 individuals or businesses attending training programs
- 3 individuals or businesses being provided information

Overall, the University of Missouri's Business Development Programs (BDP) served 11,176 people and their businesses statewide. The total impact for all businesses assisted by the BDP was:

- New jobs: 6,054
- Sales increases: \$168,908,759
- Government contracts: \$186,010,945
- New businesses: 83
- Jobs retained: 570
- Loans and investments in business: \$73,666,326
- Businesses turned around or failures prevented: 18
- Acquired assets: \$24,863,597
- Government investment in commercialization: \$8,720,277 in SBIR proposals submitted.
- Clients/companies receiving business counseling: 3,540
- Business training attendees and conference participants: 6,048
- Information transfers: 1,588

The business development faculty contributing to these business successes are from the programs identified above. These staff have regional and statewide assignments and work with businesses in all counties across the state.

The Business Development Program Delivery Network

Includes 10 Business Development Specialists headquartered at University of Missouri Extension centers; the University of Missouri campuses at Columbia, Kansas City, St. Louis and Rolla; and state colleges and universities across Missouri. The named programs delivered through this network include:

- **Missouri Small Business Development Centers (MO SBDC)**
Funded by the U.S. Small Business Administration, this \$1.6 million award is matched on the local level by state university hosts and private sector partners. Services include individualized business counseling and a wide variety of educational opportunities.

- **Missouri Procurement Assistance Centers (MO PTAC)**
Funded by the U.S. Defense Logistics Agency for \$495,000, this program helps businesses win government contracts for a wide range of products and services.
- **Missouri Small Business Technology Development Centers (MO SBTDC)**
Some centers throughout the state are staffed with specially trained counselors who can assist high-technology and high-growth firms with a variety of management, production, financing, technology development and commercialization issues. One of the products offered through those centers is the MoFAST SBIR/STTR assistance. Specialists in this area work with university faculty and other innovators to win awards in support of the commercialization of technology.
- **Missouri Market Development Program**
This program, which is funded at \$100,000 by the Environmental Improvement and Energy Resources Agency via the Missouri Department of Natural Resources, helps business owners find markets for recycled materials and helps other businesses in securing funding for manufacture of new goods using those recycled materials.
- **Career Options**
Improving individual capacity is the focus of the MU Extension Career Options program, which is funded through a partnership with the Missouri Department of Economic Development Workforce Development unit. This program assists displaced workers and others in many ways, including through the exploration of business ownership and career repositioning following company closings, layoffs and other employment-related changes.

Visit the state business development program website at: www.missouribusiness.net.

UNIVERSITY OF MISSOURI CONTINUING EDUCATION FOR 2005-2006

Seventeen residents attended continuing education in nursing through M.U., seven residents in vet medicine, five residents in continuing medical education. In addition, two were enrolled in high school through distance education and 10 in University for-credit courses.

University of Missouri enrollment fall 2006 -- Cooper County had 109 undergraduates enrolled at Mizzou, four professional, and 21 graduate students.

Law Enforcement Training Institute from July 1, 2005, through June 30, 2006, the Law Enforcement Training Institute recorded 20 enrollments.

Fire and Rescue Training Institute from July 1, 2005, through June 30, 2006, the Fire and Rescue Training Institute recorded 198 enrollments in Fire and Rescue Training Institute courses by Cooper County residents. The Missouri Fire and Rescue Training Institute home page is: <http://www.muftri.org/>

MU Osher Lifelong Learning Institute -- Three Boonville residents participated in not-for-credit classes at the Osher Lifelong Learning Institute. The classes are designed to provide quality, life-enhancing educational programs to both entertain and motivate those over age 50 to continue learning

in areas of current interest and in areas for which time was not available during working lives. More than two dozen topics are offered, such as Birding, Bridge, Perspectives of a Russian Renaissance Woman, Modifying Your Home. More information is available by calling 573-882-2585 or e-mailing: learnforlife.missouri.edu. The web page URL is: <http://extension.missouri.edu/lifespan/> .

The offices and classes are at 3215B LeMone Boulevard, Columbia (next to the new Marriott on U. S. 63 South).

COOPER COUNTY EXTENSION COUNCIL KUDOS

- **Ed Stegner** was presented with life membership on the MU Advisory Council for the MU School of Natural Resources.
- **Sherri Kempf** is the Chair of the Central Missouri Extension Regional Council.
- **Shirley Peach** initiated DivorceCare program in Boonville as a support group for divorcing parents.
- **Janie Houf** initiated and teaches English as Second Language for Spanish and Chinese Immigrant families.
- **University Extension for Cooper County** is one of 12 counties in Missouri selected for an Extension Council Youth Leadership program to promote the involvement and views of youth age 14 and older in Extension Council planning and decision making.
- **Paul Davis** was presented the Agricultural Leadership Award from the Missouri Agriculture Extension Professionals' Association.



Parman Green presents Paul Davis with Agriculture Award

Cooper County Extension Council Responsibilities

The county extension council, comprised of elected and appointed citizens, is a full partner with Missouri's land-grant universities to deliver high-quality education and research-based information that helps people solve real-world problems and take advantage of opportunities. Council members:

- Work with extension specialists to provide the county educational program
- Manage finances of local extension operations
- Provide personnel to carry out extension activities
- Elect and organize the local extension council

MISSION

The mission of University of Missouri Extension is to: *Improve*

Missourians' lives by addressing their highest priorities through the application of research-based knowledge and resources.

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

HISTORY OF EXTENSION IN COOPER COUNTY

The Smith-Lever Act, which authorized establishment of Cooperative Extension Work, was passed by Congress and approved by President Wilson on May 8, 1914.

The Missouri Cooperative Extension Services had actually begun working off campus a few years prior to that date.

Beginning in September 1913, a "farm advisor" from the University of Missouri College of Agriculture was appointed to Cooper County. His name was J.D. Wilson and he served until September 1916. One of his main activities during that period was to assist farmers with an epidemic of hog cholera, which threatened to destroy swine herds throughout Missouri.

The first county farm tour to showcase new production practices was held in July of 1916. A large group of farmers, Farm Bureau representatives and University of Missouri staff traveled to Pilot Grove, Bunceton and Prairie Home.

From September 1916 to 1929 there was no formal Extension program in Cooper County, although there is some evidence that programs were conducted by temporary staff during and shortly after World War I. No formal record of those activities has been located.

In March of 1930, the Extension office was reopened and John P. Johnson was appointed as county agent for Cooper County. A group of advisors for the Missouri Farmers Association, farmers from throughout the county and representatives of the University of Missouri worked together to determine major programming efforts that Extension would be involved in.

The Extension office was then located in the hallway of the Cooper County Courthouse when first reopened. This was during the Depression and much of the activity of the office included assisting with government relief programs. The first office secretary was Wihelmina Torbeck Scott.

Another major area of concern at that time was the loss of topsoil that was occurring throughout the county. Mortan Tuttle, a prominent young farmer near Prairie Home was one of the first farmers to work with the Extension service in terracing his land. The practice quickly caught on and Cooper County soon was one of the leading counties in the state and nation in installing terraces and conservation practices. This tradition of conservation is still prevalent today.

Other major activities during the early thirties included livestock breeding and animal health. In addition, many farmers became certified seed producers at that time. Farmers also learned about the importance of liming their soils, using crop rotation and legumes to maintain and improve productivity of their farms.

4-H clubs were officially organized for the first time in Cooper County in 1937, although other youth activities had been conducted since 1924 through the public school systems. First year membership included 136 boys and 13 girls. First year activities included attendance at a nine-county camp in Fayette, organization of the county 4-H Leaders Council, County Achievement Day, Cooper County 4-H News, demonstration and judging tours, state 4-H Roundup and a trip to the state fair.

Through the efforts of Paul N. Doll, county agent, and numerous leaders the 4-H program grew quickly in the late 30's and early 40's.

Extension Homemaker Clubs were also first organized in 1937. A total of eleven clubs were formed within two years. These clubs worked with Margaret Van Orsdol, county home demonstration agent. The main activities that the clubs initially engaged in included home economics, food preservation, sewing, quilting, home grounds improvement and managing family resources.

The Extension service was very active during World War II in helping farm families maintain the agricultural production needed for the war effort. In addition, veterans were assisted as they returned to agricultural production. The home economics agents assisted families dealing with the many hardships and scarcities that the war brought on.

Major program efforts in the late 40's included designing water management systems, pasture improvement, forage production, repairing and modernizing machinery, improving livestock production, dairy production, 4-Youth development, rural health and food production and preservation.

In 1945 and 1946 the Balanced Farming Program was established in Cooper County. This program was designed to

develop a whole farm approach to production of livestock, forages and crops. Both farm and household management programs were emphasized.

The Balanced Farming Program was extremely successful in Cooper County and throughout the state. It expanded throughout the 50's and was successful in helping farmers throughout the county in developing profitable operations. Special emphasis was placed on increasing livestock production, forage production, crop production and managing farm and home finances.

The programs offered by the Extension service in Cooper County continued to expand through the 50's and 60's. In addition to traditional agricultural, 4-H and home economics programs, the Extension service offered programs in citizenship, economic development and business management. The concept of extending the knowledge base of the land grant universities widen to include new subject matter areas.

In 1969 the Missouri Extension Service shifted from a system of county agents to an area-specialist system. The purpose of the change was to allow each Extension staff member to specialize in one area of study and serve multiple counties. The system remains in effect.

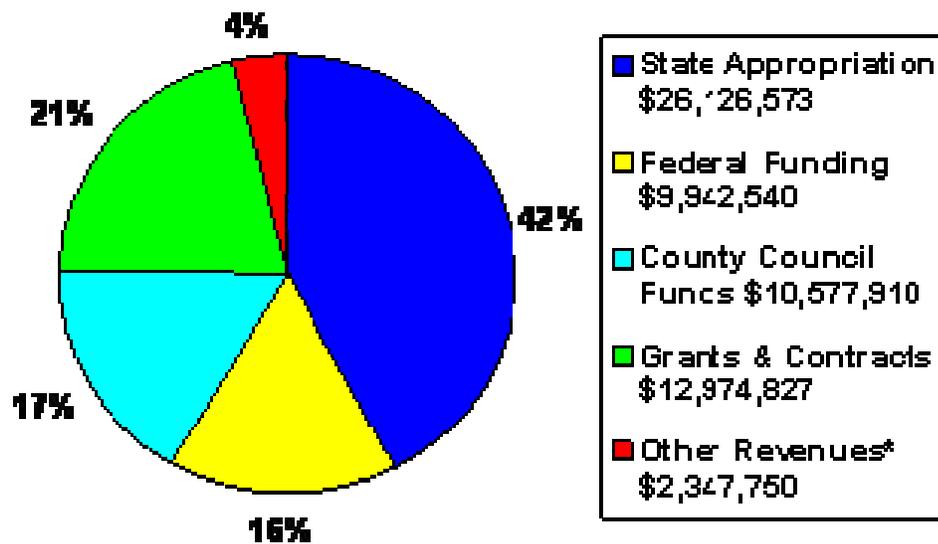
The Extension service has changed its focus considerably in recent years. Under the specialist system, assistance is available in numerous program areas. Staff serving the county in the area of ag profitability include agronomy, livestock, ag engineering and farm management specialists.

Staff working to strengthen families include 4-H, human development, family economics and management, and food and nutrition specialists. In addition, specialists are available to provide assistance in community development, business and industry and continuing education.

The Extension service is also focusing more effort on issue-based programming. This involves citizen input and working closely with Extension councils to identify major program needs.

State University of Missouri Extension Revenue

University Of Missouri Extension Budgeted Revenues



Fiscal 2007

FINANCIAL REPORT – 2006

INCOME & EXPENSE ACCOUNTS

	COUNTY FUNDS	PRIVATELY GENERATED FUNDS
	Income	Income
Beginning Balance	\$ 0.00	\$ 638.85
County Appropriations	\$41,691.00	\$ 0.00
Gifts, Grants, Contracts, Fees	\$ 0.00	\$ 2,248.75
Fees	\$ 0.00	\$ 1.00
Balance Transfers	\$ 0.00	\$ 250.00
Postage Income	\$ 0.00	\$3,500.00
Total Revenues	\$41,691.00	\$5,999.75
TOTAL FUNDS AVAILABLE	\$41,691.00	\$6,638.60
	Expenses (Personnel Related)	Expenses (Personnel Related)
Personnel Service: Salaries & Wages	\$ 24,174.01	\$ 0.00
Part-Time Office Salaries	\$ 2,015.00	\$ 239.84
Janitorial Personnel	\$ 167.50	\$ 0.00
FICA (Social Security)	\$ 1,618.36	\$ 30.62
Medicare	\$ 382.09	\$ 3.56
Medical	\$ 308.04	\$ 0.00
Retirement	\$ 300.00	\$ 0.00
Unemployment Compensation	\$ 109.32	\$ 1.91
Personnel Expenses Subtotal	\$ 29,074.32	\$ 275.93
	Expenses (Non-Personnel Related)	Expenses (Non-Personnel Related)
Travel	\$ 5,010.84	\$ 272.99
Postage	\$ 19.73	\$3,340.00
Telephone Service, Local	\$ 1,142.63	\$ 0.00
Telephone Service, Toll	\$ 421.31	\$ 0.00
Advertising	\$ 55.50	\$ 0.00
Postage Meter Rental Fee	\$ 300.00	\$ 0.00
Publishing/Printing	\$ 14.40	\$ 0.00
Supplies/Services	\$ 2,016.00	\$ 859.45
Professional Services	\$ 279.26	\$ 0.00
Internet Connection	\$ 400.00	\$ 0.00
Insurance	\$ 365.00	\$ 0.00
Miscellaneous	\$ 0.00	\$ 0.00
Uncategorized Expenses (Transfer to Savings)	\$ 0.00	\$ 10.00
Extension Council Election Expense	\$ 421.10	\$ 0.00
Repair/Maintenance	\$ 350.00	\$ 450.78
Furniture/Equipment	\$ 730.00	\$ 998.24
Non-Personnel Expenses Subtotal	\$11,525.77	\$5,931.46
TOTAL EXPENSES	\$40,600.09	6,207.39

Cooper County University Extension has two savings accounts. The savings accounts are from prior years' private programming income that is to be used for emergencies -- such as unexpected repair and/or replacement of equipment. As of December 31, 2006, the Savings accounts totaled \$1,899.50

Cooper County University Extension has one checking account. This is for four major accounts:

- **1000 -- Public Funds**
The County Commission Funds
- **2000 -- Unrestricted Operations**
These are funds from contacts, gifts or donations, unused and not earmarked from other private funds. These funds are used to make up any funds not provided through the commission and to fund expenses that are not governmental.
- **3000 -- Soil testing, Resales/Services**
(Cost publications that are resold), short courses (such as Internet Masters, Master Gardener, Cattlemen's Class, How to Start A Business).
- **5000 --**
Earmarked contracted accounts/grants for educational services, such as the Better Kid Care child care training and Focus On Kids classes for divorcing parents.

During 2006, the following are the Income and Expenses by Accounts:

	Beginning Balance	2006 Income	2006 Expenses	2006 Balance Expenses/Income
Cooper County Commission 1000 Account	\$ 0.00	\$41,691.00	\$40,600.09	\$ 1,090.91
2000 Account	\$ 638.85	\$ 5,999.75	\$ 6,207.39	\$ 431.21
3000 Accounts	\$13,747.44	\$17,625.70	\$23,504.88	\$ 7,868.26
5000 Accounts	\$ 6,520.53	\$ 4,569.00	\$ 691.27	\$ 10,398.26

Total in Checking Account as of 12/31/2006 = \$19,788.64

Total in Savings Accounts as of 12/31/2006 = \$1,899.50