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Rock Springs renovations, updates include new spring plaza

By Lucas Shivers

As a result of the Growing Kansas Leaders \$12.8 million capital campaign, several renovations have begun at Rock Springs 4-H Center, the nation's largest privately owned and operated 4-H camp and conference facility.

"We do projects at Rock Springs to make a user-friendly facility," said Jake Worcester, president of the Kansas 4-H Foundation. "As the projects were rolled out and funders stepped forward, we looked at several places where we could really do something special and the spring plaza was one of these."

The 735-acre center operated by the Foundation will receive nearly \$6 million for a variety of improvements. One of the largest changes to date is a new plaza around a signature feature, the actual Rock Springs.

"We sought to transform the spring area into a gathering place to highlight the spring and save the water wheel to create an inviting place," said Worcester.

In the 1880s, a ranch house next to the spring replaced a log cabin with a water wheel utilized to power a creamery in the house. More than 130 years later, the ranch house was condemned for safety concerns and razed to expand the spring plaza site with additional features – like the water wheel's new prominent location.

"The water wheel is one of the most recognizable features of the springs," said Worcester. "We wanted to save the area and make it truly outstanding."

"Especially at night, the new plaza is exceptionally gorgeous to sit and listen to the rhythm of the water-wheel," said Rhonda Atkin-



The iconic water wheel was thoroughly refurbished before being set in place.

Courtesy photos



Water cascades over the new spring wall.

son, Foundation's associate director. "The water wheel is much more visible. It's hard to believe how huge the wheel stands."

The Simons family of Lawrence stepped forward to provide major gifts for the plaza. Three generations of the family have been long-time supporters of 4-H and two family members served on the Foundation board of trustees.

"These gifts allowed these plans to come to fruition and allow the plaza to be named in the Simon family's honor," said Worcester. "You'd be hard pressed to find a more deserving family."

Education and interpretation is a component of the plaza project, Worcester said.

"Rock Springs is such a unique place," he said. "It's a

topographical and geographical convergence point. The precious water resources with second largest springs in Kansas allows for incredible education about natural resources and the environment, prairie and Flint Hills."

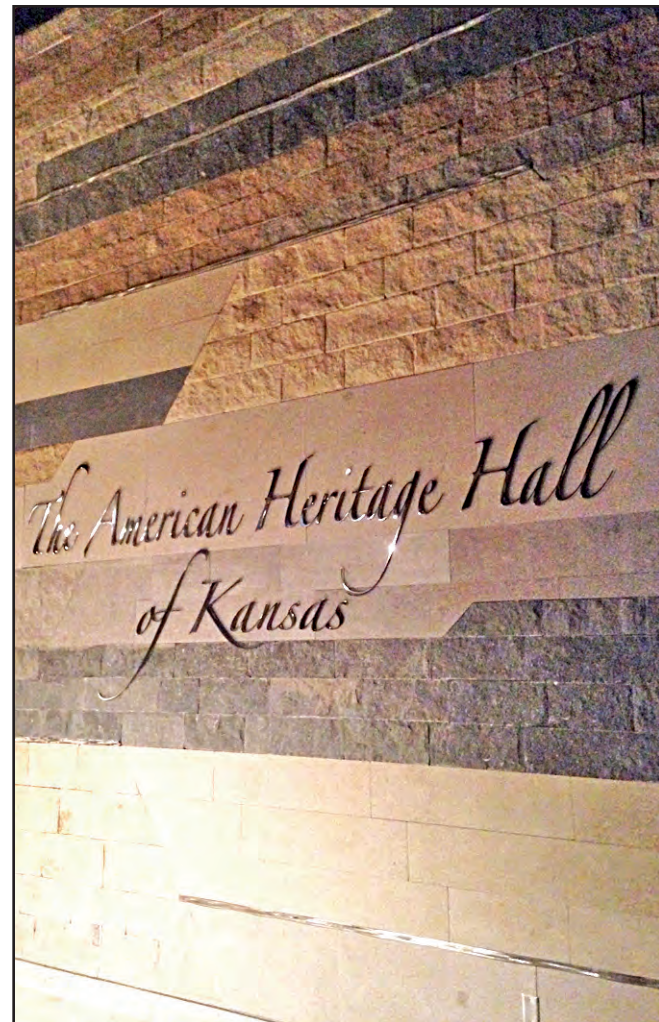
New signage will interpret the sites' one-of-a-kind landscapes. Rock Springs grows some of the oldest trees in Kansas due to steady access to water. The spring runs around 1,000 gallons a minute, and it holds spiritual significance to Native Americans.

"Educating young people and all visitors on the geological features of the springs is vital," said Worcester. "Panels will share about how people harness power from water with machinery to transform it into energy. Even the trout

pond and the ecological environment will be used as part of the educational components."

In 1989, a Rock Springs advisory committee issued an environmental philosophy as the basis for developing facilities and services at the center. The team sought to promote and encourage the teaching and appreciation for the environment, as well as promote the wise use of resources.

"The Rock Springs environmental philosophy shares our vision of how important teaching about nature is to the next generation," Atkinson said. "It's why we teach with clear and specific objectives about the environment around us. We are planted in the middle of this beautiful region that provides a spectacular outdoor classroom."



An interior wall in Heritage Hall was reconstructed using native limestone to replicate an outcropping of the Flint Hills.

In addition to new spring plaza, an interior wall in Heritage Hall by the front door was replaced with native limestone to replicate an outcropping of the Flint Hills. New auditorium seats and curtains were also installed in auditorium - all in green for 4-H heritage, Atkinson said.

Hansen Cottage was also completely renovated and updated. New staff housing for summer staff has been completed.

The indoor activity center is underway, and the team continues to fulfill other projects with Williams Dining Hall phase two renovation of the kitchen, flooring, lighting and wiring. The Johnson Administrative Building will also be renovated in late in 2015.

Objectives of the Rock Springs Environmental Philosophy

- Understand our total environment
- Create awareness of mutual dependency on natural resources
- Cast a positive attitude towards conservation
- Build an interest in the natural resources of community, state and nation
- Help students understand that every citizen has a responsible role in wise use of resources
- Instill desire to participation in the solution of environmental problems

Wheat harvest nears completion in parts of Kansas

(AP) – The latest government update shows the 2015 winter wheat harvest is nearing completion in some parts of Kansas, and making good progress everywhere else.

The National Agricultural Statistics Service reported last week that harvest statewide was 79 percent finished. That is ahead of the 66 percent cut at this time last year, but still behind the 83 percent average for this date.

The agency reported that as of a week ago Sunday 90 percent of the wheat fields in southeastern and central Kansas had been cut. South-central Kansas was close behind with growers there 88 percent done with cutting. Northwest Kansas trailed last with just 55 percent of the harvest finished there.

Harvest elsewhere in the state ranged between 69 percent and 78 percent.

About 95 percent of the Kansas crop is now mature.



Smart business

By John Schlageck,
Farm Bureau

While food safety will always be the cornerstone of our farm and ranch production process, allegiance is making inroads into why and where consumers buy their products.

Sure, the majority of today's shoppers enjoy and often take for granted the expanded menu in super-

markets. They look forward to shopping in a meat case filled with dozens of new cuts, pre-packaged, oven or grill-ready, custom portioned, "natural" and pre-cooked products. Today's shoppers can't wait to get their mitts on the marinades, dry rubs, cooking bags and other specialty items designed for time-strapped, two-income fami-

lies.

There's also another growing group of consumers who are purchasing products based on trust and nostalgia. This notion of nostalgia, or pining, harkens back to the good old days – a time when events and lives were perceived as simpler, more wholesome, just downright better.

Many in this new group of consumers want to share in the story behind the product they are buying. They wish to establish a direct link and cultivate a relationship with the producer who provides them with tomatoes, asparagus, corn or that special meat dish for that backyard barbecue, upcoming birthday bash or summer get-together. There is a

growing number of shoppers who yearn to develop a trust with producers who they believe will provide them with a quality, consistent, wholesome product time after time.

Tapping into this ever-changing consumer landscape, today's food producer – especially those located near large-population, urban areas – must not miss the opportunity to reach the hearts, minds and stomachs of consumers who feel strongly about their food.

Some consumer-savvy producers are already honed in on this concept. They've retooled their farming operation from a conventional commodities-only business to one that includes pick-your-own sweet corn, pumpkins, flowers and strawberries. They're giving people what they want.

Others now provide home deliveries of fresh produce and sell their produce at local farmers' markets. Still others have added a corn maze, day-on-the-farm activities, ice-cream socials and chuckwagon cookouts, while inviting everyone from school-aged kids to wedding rehearsal parties – all to enjoy the

farm and ranch way of life.

This new direction in farming is being driven by farmers and ranchers who are attempting to be less dependent on cheap land and vast acreage. This pioneer is tapping into the population surge and wealth of consumers who shop online, drive a couple of cars including a pickup and don't mind paying a premium for the food they feed their families.

Another common element of this non-traditional farmer is the belief that this shift in production style may not make them rich, but will keep them out in the open spaces, running their own business and doing what they enjoy and want to do. A large percentage of those willing to try something new are younger farmers. In many cases, a young farmer is often considered someone who has yet to reach the half-century mark.

For some, traditional farming became too expensive. Others decided traditional farming was no longer worth the effort. Whatever the reason, any farmer will tell you that farming is a difficult process. Still, most would

agree they are glad they bought their land, and glad they're doing what they enjoy and want to do.

No doubt, more and more farmers will be looking at a different direction to stay on their land in the future. The land will continue to be farmed. There will no doubt be fewer farmers but those who are determined to stay in this business of agriculture will have to find innovative ways to farm.

John Schlageck is a leading commentator on agriculture and rural Kansas. Born and raised on a diversified farm in northwestern Kansas, his writing reflects a lifetime of experience, knowledge and passion.

Kansas Soybean Commission schedules Aug. 13 meeting

The Kansas Soybean Commission (KSC) will conduct a regular meeting Thursday, Aug. 13, at the Kansas Soybean Building in Topeka. It is scheduled to begin at 8 a.m.

During that meeting, the commissioners will review the applications for commissioners-at-large. They will fill both at-large positions on the commission, and the appointees will begin three-year terms immediately. The commissioners also will elect officers for the coming year.

Other discussion topics will be current and future research projects, market-development activities, educational programs, and administrative items. To suggest additional matters for deliberation or to obtain a complete agenda or instructions for calling into the meeting, contact KSC Administrator Kenlon Johannes at johannes@kansassoybeans.org or call the Kansas Soybean office at 877-KS-SOY-BEAN (877-577-6923).



A number of years ago I bought a bumper sticker that proclaimed "To Heck with the Whales, Save the Cowboy!" (No, it did not say heck but in the interest of keeping my editor happy we will go with this version). I bought it because it made me laugh and because I agreed with the underlying sentiment. It does seem like those of us in agriculture, whether we are farmers or ranchers, are an endangered species. Think about it, our numbers are drastically down from historic averages and our habitat is shrinking. It sure sounds to me like we meet all the criteria.

I guess that is what Representative Ken Buck of Colorado thought, too, because he introduced legislation stating just that. His bill also asked that \$50,000 slated for bonuses for EPA administrators be redirected to start up a study on just how endangered those of us in agriculture are. No, he doesn't really think this will pass, in fact it won't even see a vote because the money set aside for the bonuses cannot be redirected to a study that has not gone through the approved channels, but it is the thought that counts.

Representative Buck's thought behind his legislation is that all of the government regulation, especially those of the EPA are making it increasingly harder, especially on smaller farmers and ranchers to survive. One only has to look to the recent disregard for private property rights and public outcry because of the EPA's recent actions on the Waters of the United States for an example.

Okay, I know some of you are irritated that this bill was introduced because it is another example of the contentiousness of politics in D.C. and just a waste of time. I guess you are somewhat right, because Representative Buck knows this bill has no chance. But he is making a great point that needs to be made. Those of us in agriculture are increasingly overburdened by regulations imposed by agencies such as EPA. Those increased regulations making it more difficult and more expensive to produce food, driving many of us out of business.

I really think Representative Buck may be on to something here and I like the irony even more. The Endangered Species law in one that is especially burdensome. If you

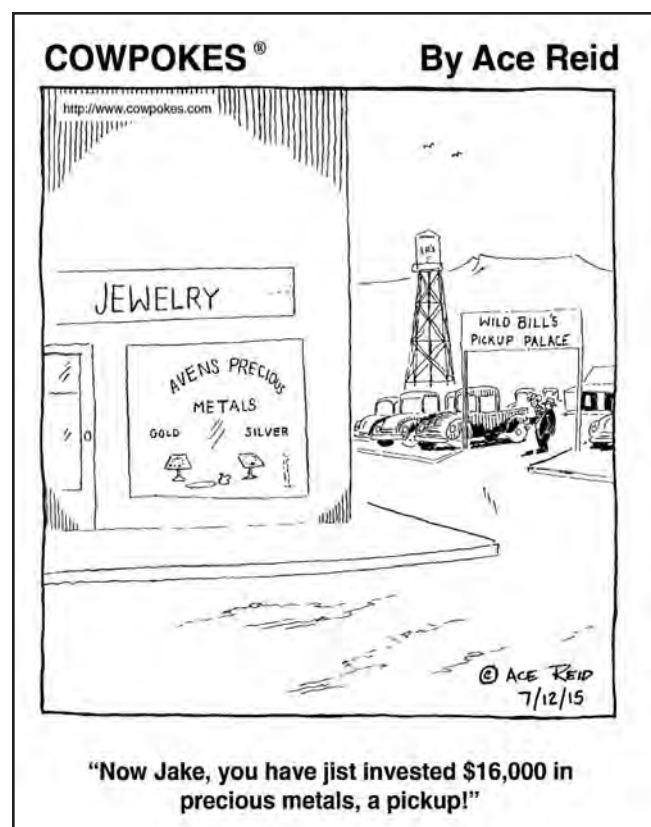
don't believe me, just ask any farmer or rancher who has the misfortune of trying to grow food on the lesser prairie chicken's habitat. The redirecting of administrator bonuses just adds another funny twist, too. But there should be no worries on the EPA's part because just like their enforcement of WOTUS on the Ag community, this won't happen either.

I do think the classifying of farmers and ranchers as endangered does make sense. Then we could stake out critical habitat and place severe restrictions on anything that might interfere with farming and ranching on those acres. More money could be allocated for the protection of existing farmers and ranchers and to insure that their populations increase. New programs could be started to reintroduce agriculture in places where it had disappeared from.

Keep all of this in mind next time you are driving down the highway and see a farmer in the field or a rancher moving cattle. Pull over, grab your binoculars, take a picture and wake up the kids because you are witnessing a rare sight. Maybe we can get the Sierra Club to take up our plight, or better yet we can start up our own organization and for the cost of a cup of coffee cable television viewers can help stave off the extinction of America's farmers and ranchers.

Yes, this is all tongue-in-cheek, but it does have merit and makes a good point. We all rely on farmers and ranchers daily, no matter what we all have to eat. Agriculture is the most important industry in the United States and we have to be allowed to do our jobs without constant and unnecessary government regulations; common sense needs to prevail.

Representative Buck's proposed legislation provides for some laughs but it should also be thought-provoking. More importantly maybe it will get the attention of some of the government officials (I know, but we can still hope, can't we?) or at least make a statement. Yes, it will never see the floor or be voted on but we can all still have hope. He does plan to rework it and introduce the same legislation later. In the meantime, let us all take up the mantra, "Save the farmer!"



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Guest Editorials

Working for Kansans

By Jackie McClaskey,
Secretary of Agriculture

January 12, 2015. It's a day that I'm willing to bet was just "another Monday" for most Kansans. For our state's elected legislators, it was the first day of the state's longest legislative session, and likely one of the most controversial. While issues like tax reform, budget and education funding received a great deal of attention, there were other issues, issues of great importance to Kansas farmers and ranchers, to be debated and addressed.

As the dust settles from the 2015 legislative session, it's time to recognize the efforts of our state's lawmakers to pass legislation benefiting the agricultural sector and block efforts that would have resulted in significant financial hardship for our state's farmers and ranchers.

Before going any further, we must recognize lawmakers in the Kansas legislature who are champions for agriculture. Running for office and then serving a diverse constituent base is a hard job – one most of us aren't willing to take on. State senators and representatives take time away from their home and families in order to represent, stand up for and be the voice for their constituents in Topeka. To Senate Agriculture Committee Chairman Garrett Love, House Agriculture and Natural Resources Committee Chairman Sharon Schwartz, Senate Natural Resources Committee Chairman Larry Powell, House Budget Committee Chairman Kyle Hoffman, and their committee members, I offer a sincere thank you. I thank you for your service to agriculture – our state's largest industry, employer and economic driver.

In agriculture, whether you're a corn farmer from Brown County, a feedlot manager from Finney County, a wheat farmer from Stafford County, an equipment manufacturer from Saline County, or somewhere between, your business relies on access to

water. And thankfully for our state's agricultural industry, leaders in Kansas, including Governor Brownback, state agencies and the state legislature, have demonstrated a commitment to water conservation by advancing flexible, locally-driven water resource conservation efforts.

For example, in 2012, the Local Enhanced Management Area law was passed allowing locally driven water conservation plans within the boundaries of established Groundwater Management Districts. The "Sheridan 6" LEMA, initiated by farmers and ranchers in Sheridan and Thomas counties, will result in a 20 percent reduction in water use over five years. This year, the legislature applied the same locally driven water conservation model and applied increased flexibility with regard to size and geographic boundaries. The new Water Conservation Areas will allow groups of water right holders, with 100 percent consensus, to form a WCA to enter into voluntary water use reductions.

That was not the only water-related success story in the 2015 legislative session. The popular multi-year flex account (MYFA) program, first enacted in 2012, was updated to provide additional flexibility to water users. MYFAs give farmers and ranchers the ability to manage their groundwater resources over a five-year period, ending the old "use it or lose it" mindset. The law was updated this year to allow water users to rollover into a new five-year MYFA up to one year's base average water use. In addition, changes made this year allow water right holders to make small adjustments in the place of use while enrolled in a MYFA. These common sense changes to the MYFA program will further encourage water users to responsibly manage water resources – using water when Mother Nature does not provide us with the necessary moisture but also saving water during wet times.

With regard to the livestock sector, state lawmakers also took strides to ensure our state's farmers and ranchers have access to veterinarians to help them raise healthy animals. Creating an institutional license category for veterinarians employed at K-State's College of Veterinary Medicine and removing previous sunset language from the Rural Veterinary Training Program that assists with student loan repayments for veterinarians practicing in qualified rural areas will help ensure all Kansas farmers and ranchers are able to access veterinary care for their animals.

The success of this session is not just what the lawmakers were able to do, but it's also about what agricultural leaders in the statehouse were able to prevent from happening. Ideas were floated earlier this spring that would have changed the way agricultural land is taxed. The bottom line is this – we have a system in Kansas that works – it's a system that has been used as a model in 42 other states. Toying with land valuation methods and increasing property tax burdens on farmers and ranchers would be devastating to thousands of farm and ranch families. Those lawmakers who stood up and ensured such misguided ideas did not make it into any final bill should be commended.

The 2015 legislative session was many things. It was challenging. It was controversial. It was downright frustrating at times. But it would be shortsighted to ignore the positive actions taken to advance agriculture in Kansas. While the session may have officially concluded on June 26, the work is now beginning at the Kansas Department of Agriculture to implement the new programs, while continuing to focus on providing high quality service to Kansas farmers, ranchers and agribusinesses. We look forward to continue to work hard on behalf of farm families across our great state.

American Farm Bureau president pens letter to Congress in support of RFS

Below is a letter from Bob Stallman, president of the American Farm Bureau Federation, in opposition to the Loudermilk amendment and addressed to members of Congress, urging them to reject any proposed changes to or repeal of the RFS.

Dear Full House:

As the House prepares to debate the Fiscal Year 2016 Interior and Related Agencies Appropriations Bill, Farm Bureau urges you to reject any proposals that amend, repeal, defund or otherwise modify or interfere with the Renewable Fuel Standard (RFS). We specifically ask you to oppose the potential amendment by Rep. Barry Loudermilk (R-Ga.) that would defund implementation of the

RFS. The EPA is currently in an open rulemaking process that would set the volumetric targets for biofuel for the years 2014, 2015 and 2016; that process would be derailed by this amendment. Destabilization of the current regulatory and policy environment would impede further investment that drives innovation in the biofuels space and would have detrimental impacts to the rural economy.

Renewable fuels have been a tremendous success story for the nation as a whole and to our rural economy in particular. The RFS has reduced our country's dependence on foreign oil, reduced air pollution, increased farm incomes

and has provided good paying jobs within rural America.

Farm Bureau members, comprised of hard-working farmers and ranchers, have clearly enunciated in our policy that they support the RFS2 as adopted in the Energy Independence and Security Act of 2007. Dismantling the RFS will stifle innovation, discourage diversification of our fuel supplies and lead to economic harm to rural America. Farm Bureau respectfully requests that you reject the Loudermilk amendment and any other proposed legislative changes to the RFS.

Sincerely,

Bob Stallman, President
American Farm Bureau
Federation

KSU recognized for efforts to improve cow productivity

Kansas State University recently enrolled in the American Angus Association®'s MaternalPlus® program as a commitment to making genetic improvements in lifetime cow herd productivity. Breeders participating in MaternalPlus are keenly focused to better evaluate herd reproductive performance, the number one profit driver in the cow-calf industry.

MaternalPlus is a voluntary, inventory-based reporting system that collects additional reproductive trait data to provide Angus breeders and their customers the information they need to make effective selection decisions. To date, more than 70 breeders have completed MaternalPlus enrollment.

The program allows producers to capture cow herd and reproductive performance data; gain faster access to preweaning EPDs as a selection tool; characterize females through heifer pregnancy EPDs tied directly to herd genetics; expand new trait development for Angus reproductive and longevity measures; and streamline their ability to track heifer and cow reproductive records through AAA Login.

In addition, MaternalPlus lays the groundwork for selection tools related to cow longevity in the herd. Gathering these records will allow the Association to cultivate research related to cow herd productivity and make improvements similar to what the Angus breed has witnessed in other economically relevant traits.

For more information on MaternalPlus, visit the Association website or access AAA Login.

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GRASS & GRAIN *Our Daily Bread*
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Jenny Rohrer, Wakefield, Wins Weekly Recipe Contest

Winner Jenny Rohrer, Wakefield: "This recipe is delicious with or without the frosting and is perfect for summer when zucchini is so plentiful."

CHOCO-ZUCCHINI CAKES

- 3 eggs
- 2 cups sugar
- 3/4 cup oil
- 2 teaspoons vanilla
- 2 cups shredded zucchini
- 2 cups flour
- 2/3 cup cocoa powder
- 1 teaspoon soda
- 1 teaspoon salt
- 1/2 teaspoon baking powder
- 3/4 cup chocolate chips

Preheat oven to 325 degrees. In a large bowl or mixer, stir together eggs, sugar, oil and vanilla. Then add zucchini. Add all dry ingredients and stir until well combined. Fold in chocolate chips. Spoon batter into lined muffin tins. Bake for 20-25 minutes. Cool completely and frost if desired.

Peanut Butter Frosting:

- 1/2 cup peanut butter
- 1/2 cup soft butter
- 1 tablespoon milk
- 1/2 teaspoon vanilla
- 1 1/2 cups powdered sugar

Beat together all ingredients until smooth. If necessary, add 1 to 2 teaspoons extra milk to reach desired consistency.

Millie Conger, Tecumseh: CHERRY BARS

- 1 cup butter
- 2 cups sugar
- 1 teaspoon salt
- 4 eggs
- 1 teaspoon vanilla
- 1/4 teaspoon almond extract
- 3 cups flour
- 2 cans cherry pie filling

Glaze:

- 1 cup powdered sugar
- 1/2 teaspoon vanilla
- 1/2 teaspoon almond extract
- 2 to 3 tablespoons milk

Preheat oven to 350 degrees. In a large bowl, cream butter, sugar and salt until light and fluffy. Add eggs one at a time, beating well after

each addition. Beat in extracts. Gradually add flour. Spread 3 cups dough into greased jelly roll pan. Spread with pie filling. Drop remaining dough by teaspoons over filling. Bake 30-35 minutes or until golden brown. Cool completely in pan on a wire rack. In small bowl, mix glaze ingredients. Drizzle over top.

Gin Fox, Holton: "So simple ...and very good."

2 INGREDIENT LEMON BARS

- 1 box angel food cake mix
- 15-oz. can lemon pie filling

Powdered sugar
 Preheat the oven to 350 degrees. Stir the lemon pie filling into the dry angel food cake mix. Mix together until the cake mix and pie filling are completely blended. Spread into a greased 9-by-13-inch baking dish. Bake for 20-25 minutes; edges will be slightly browned. Cool completely and dust lightly with powdered sugar and serve.

BAKED PARMESAN TOMATOES

- 4 tomatoes, halved horizontally
- 1/4 cup freshly grated Parmesan cheese
- 1 teaspoon chopped fresh oregano
- 1/4 teaspoon salt
- Freshly ground pepper, to taste

4 teaspoons extra-virgin olive oil
 Preheat oven to 450 degrees. Place tomatoes cut-side up on a baking sheet. Top with Parmesan, oregano, salt and pepper. Drizzle with oil and bake until the tomatoes are tender, about 15 minutes.

Nutrition (per serving): 91 Calories; 6 g Fat; 2 g Sat; 4 g Mono; 4 mg Cholesterol; 6 g Carbohydrates; 3 g Protein; 2 g Fiber; 375 mg Sodium; 363 mg Potassium
 1/2 Carbohydrate Serving
 Exchanges: 1 vegetable, 1 fat
 Nutrition Note: What you get: Vitamins A & C, potassium, calcium.
http://www.eatingwell.com/recipes/baked_parmesan_tomatoes.html
 From EatingWell: August/September 2006

SOUTHWESTERN CORN & BLACK BEAN SALAD

- 3 large ears of corn, husked
- 1/3 cup pine nuts
- 1/4 cup lime juice
- 2 tablespoons extra-virgin olive oil
- 1/4 cup chopped fresh cilantro
- 1/2 teaspoon salt
- Freshly ground pepper, to taste

(2) 15-oz. cans black beans, rinsed
 2 cups shredded red cabbage
 1 large tomato, diced
 1/2 cup minced red onion
 Bring 1 inch of water to a boil in a Dutch oven. Add corn, cover and cook until just tender, about 3 minutes. When cool enough to handle, cut the kernels from the cobs using a sharp knife.

Meanwhile, place pine nuts in a small dry skillet over medium-low heat and cook, stirring, until fragrant and lightly browned, 2-4 minutes. Whisk lime juice, oil, cilantro, salt and pepper in a large bowl. Add the corn, pine nuts, beans, cabbage, tomato and onion; toss to coat. Refrigerate until ready to serve.

Nutrition (per serving): 410 Calories; 16 g Fat; 2 g Sat; 8 g Mono; 0 mg Cholesterol; 57 g Carbohydrates; 16 g Protein; 13 g Fiber; 477 mg Sodium; 537 mg Potassium
 3 Carbohydrate Serving
 Exchanges: 3 starch, 1 vegetable, 2 very lean meat, 2 fat
http://www.eatingwell.com/recipes/southwestern_corn_black_bean_salad.html
 From EatingWell: February/ March 2006, The EatingWell Healthy in a Hurry Cookbook (2006)

TOMATO-CORN PIE

- Crust:
- 3/4 cup whole-wheat pastry flour
- 3/4 cup all-purpose flour
- 1/2 teaspoon salt
- 1/2 teaspoon freshly ground pepper
- 1/3 cup extra-virgin olive oil
- 5 tablespoons cold water
- Filling:
- 3 large eggs
- 1 cup low-fat milk
- 1/2 cup shredded sharp Cheddar cheese, divided
- 2 medium tomatoes, sliced
- 1 cup fresh corn kernels (about 1 large ear) or frozen
- 1 tablespoon chopped fresh thyme or 1 teaspoon dried
- 1/2 teaspoon salt, divided
- 1/4 teaspoon freshly ground pepper

To prepare crust: Combine whole-wheat flour, all-purpose flour, 1/2 teaspoon each salt and pepper in a large bowl. Make a well in the center, add oil and water and gradually stir them in to form a soft dough. Wrap the dough

in plastic and chill in the refrigerator for 15 minutes.
 Preheat oven to 400 degrees. Roll the dough into a 12-inch circle on a lightly floured surface. Transfer to a 9-inch pie pan, preferably deep-dish, and press into the bottom and up the sides. Trim any overhanging crust. Line the dough with a piece of foil or parchment paper large enough to lift out easily; fill evenly with pie weights or dry beans. Bake for 20 minutes. Remove the foil or paper and weights. Let cool on a wire rack for at least 10 minutes or up to 1 hour.
 To prepare filling: Whisk eggs and milk in a medium bowl. Sprinkle half the cheese over the crust, then layer half the tomatoes evenly over the cheese. Sprinkle with corn, thyme, 1/4 teaspoon each salt and pepper and the remaining 1/4 cup cheese. Layer the remaining tomatoes on top and sprinkle with the remaining 1/4 teaspoon salt. Pour the egg mixture over the top.
 Bake the pie until a knife inserted in the center comes out clean, 40 to 50 minutes. Let cool for 20 minutes before serving.
 Nutrition (per serving): 258 Calories; 14 g Fat; 4 g Sat; 9 g Mono; 88 mg Cholesterol; 24 g Carbohydrates; 8 g Protein; 2 g Fiber; 379 mg Sodium; 217 mg Potassium
 1 1/2 Carbohydrate Serving
 Exchanges: 1 1/2 starch, 1/2 lean meat, 2 fat
http://www.eatingwell.com/recipes/tomato_corn_pie.html
 From EatingWell: July/August 2010

BROWN SUGAR PEACH SHORTCAKES

- Fruit:
- 5 cups sliced ripe peaches (4-5 peaches)
- 2 tablespoons packed light brown sugar
- Shortcakes:
- 1 1/4 cups white whole-wheat flour (see Note)
- 1 1/4 cups all-purpose flour
- 1/3 cup packed light brown sugar
- 2 teaspoons baking powder
- 1/2 teaspoon baking soda
- 1/4 teaspoon salt
- 2 tablespoons unsalted butter, cut into small pieces
- 3 tablespoons canola oil
- 1 cup buttermilk
- 1/2 teaspoon vanilla extract
- 1 tablespoon water
- 1 tablespoon raw cane sugar, such as Demerara or turbinado (optional)
- Topping:
- 1/3 cup whipping cream
- 1/2 cup reduced-fat sour cream

To prepare fruit: Toss peaches with 2 tablespoons

raw sugar (if using).
 Bake the shortcakes until the bottoms are golden brown and the tops are beginning to color, 13 to 15 minutes. Transfer to a wire rack to cool slightly.

To prepare topping: Beat cream in a medium bowl with an electric mixer or whisk until soft peaks form, 1 to 2 minutes. Fold in sour cream until combined.
 To serve, split the shortcakes horizontally. Spoon the peaches and juice onto the bottoms, top with the cream mixture and replace the shortcake tops. Serve immediately.

Nutrition (per serving): 303 Calories; 12 g Fat; 5 g Sat; 5 g Mono; 24 mg Cholesterol; 45 g Carbohydrates; 6 g Protein; 3 g Fiber; 258 mg Sodium; 301 mg Potassium
 3 Carbohydrate Serving
 Exchanges: 1 1/2 starch, 1 fruit, 1/2 carbohydrate (other), 2 1/2 fat

Make Ahead Tip: Prepare the shortcakes (Steps 2-5), cool completely and store in an air-tight container for up to 1 day. Just before serving, warm in a 300-degree oven. Prepare peaches (Step 1) up to 2 hours ahead. Equipment: 3-inch round cutter

Note: White whole-wheat flour, made from a special variety of white wheat, is light in color and flavor but has the same nutritional properties as regular whole-wheat flour. It is available at large supermarkets and natural-foods stores and online at bobsred-mill.com or kingarthur-flour.com. Store it in the freezer.

http://www.eatingwell.com/recipes/each_shortcakes.html
 From EatingWell: July/August 2011

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It's Fair Season!! Are You Ready?

By Cindy Williams
Meadowlark Extension
District Agent
Food & Nutrition, FNP

By the time this goes to print I will have judged my first county fair for this season, but it doesn't seem possible that the Jefferson County 4-H Fair is a mere four weeks away! With the thought of county fairs happening too, now is a good time to review before going to your first county fair of the season.

Fairs and petting zoos are a great way for adults and kids to interact with animals. Unfortunately, these events sometimes get linked to illness. Recently, a Whatcom County, Wash. dairy festival held in April sickened 45

people with Shiga toxin-producing E. Coli 0157:H7. This event hosted over 1,300 first-grade children.

As county fair season approaches, keep the following in mind:

- *Before eating or drinking, ALWAYS wash your hands!
- *Know where to wash your hands.
- *Provide portable hand washing stations.
- *Use signs to remind people to wash their hands.
- *Keep food stands away from animal areas. And likewise, keep animals (all kinds) away from eating areas.
- *Supervise children around animals.
- *Anyone working in food stands must wash their

hands prior to working and handling food. This includes wearing clean clothes, not the same clothes and shoes that you wore when taking care of your animals.

County fairs are designed to be fun, as well as educational. Following the suggestions listed above this will help to keep everyone safe and healthy while enjoying your fair. We want to remember your fair for the fun and learning, not for an unhealthy situation that can happen like the ones mentioned above. If you have questions, please contact your local Extension office or 785-863-2212 for more information.



Learning to let go

By Lou Ann Thomas

It's time to clean out my basement. It's time to make some difficult decisions about what to keep and what to pass on. It's time for a garage sale.

Preparing for a garage sale is a practice in the art of non-attachment. Assuming most of our stuff is made up of things we love, or at least once thought enough of to bring into our homes, deciding what we are ready to part with can test our ability to let go.

We sometimes find previously unnoticed strings attached to our things. Maybe the object reminds us of the dear one who gave it to us, or brings back memories of a time long past. Then there are those things that fit us perfectly at the time we acquired them, and although they remind us of who we were then, they are no longer a good fit for who we are now.

Like the brightly colored, plastic "flower power" stick-ons with the loopy, rounded petals that I stuck on just about everything in the late '60s.

taste, judgment or aesthetic sensibilities.

Having my things so publicly displayed can be enough to make me want to pull everything back inside and hide in the house. Which would totally defeat the purpose of a garage sale, because at its foundation is the act of purging. Besides, who knows, someone out there might love a Christmas sweater with gaudy pink and yellow ornaments that actually light up. They may value it as much as you did when you bought it, or received it as a gift, or found it at someone else's garage sale and had to have it.

So when I'm ready for my garage sale, I'm going to carefully and lovingly spread all my treasures out for others to sort through, while I sit quietly nearby reminding myself that this act of releasing and recirculating is healthy and good.

But come Christmas, I'm probably really going to miss that sweater.

Respite Training Course To Be Held Thursday, July 23

Family members, volunteers or job seekers looking to learn or enhance skills to provide relief and support to people caring for others at home are invited to attend an upcoming Respite Education and Support Tools (REST) training. The one-day training happens in Manhattan, Thursday, July 23.

A second course will be offered in Salina on Thursday, August 13.

Cost is \$25 for program materials and lunch. Advance registration is required. Space is limited. Call 800-432-2703 toll-free to reserve your place and to get time and location details.

The training, which covers care topics for providing short-term care for people in all age groups, is sponsored by the North Central-Flint Hills Area Agency on Aging and the Kansas LifeSpan Respite Coalition.

Respite is short-term relief for primary caregivers of people with special needs so that they can take breaks from their care responsibilities. According to a recent AARP survey, each year more than 42 million family caregivers provide unpaid care for aging parents, spouses, aunts,

uncles, friends or other loved ones so they can live independently at home, where they want to be. Help for caregivers was a top priority identified in Riley County's 2015 Community Needs Assessment survey.

"We know that many caregivers must rely on the help of friends, neighbors and trusted helpers if they are to keep well and keep caring," said Julie Govert Walter, executive director of the North Central-Flint Hills Area Agency on Aging. "Help for caregivers was a top need identified in a recent community needs assessment and this training provides participants with information and practical skills they need to be confident and competent helpers for family caregivers in this part of Kansas," she said.

Walter said that the Agency plans two other REST trainings in other counties in August or September.

For more information or to register for the REST training, call the Area Agency on Aging toll free at 800-432-2703. In the Manhattan area call 785-776-9294 or e-mail Cindy Brake at cindyB@ncfhaaa.com

Stress-Free Freezing Food for the Fair

By Nancy C. Nelson
Meadowlark District Agent,
Family Life

To help save time and stress at county fairs, prepare food entries early and freeze them. Most baked goods freeze well and can still be top ribbon quality. Here are some tips:

Bake and cool completely! This helps prevent condensation inside the wrapping and development of ice crystals.

Use moisture-vapor resistant packaging such as freezer-safe plastic containers or bags, and rigid containers.

Separate layers of cookies with wax paper or parchment paper.

Freeze cakes or breads unfrosted and frost after thawed.

Make pie crusts ahead of time and freeze.

Thaw all baked goods in the freezer packaging. They can be thawed at room temperature. Remove from the freezer the night before the fair. Once thawed, repackage according to your fair rules.

HELPFUL HINT: Soften Butter for Best Creaming Results

Recipes for baked goods will often say to soften butter prior to creaming it with sugar. The ideal temperature for softened butter is 67 degrees F or when the butter gives slightly when pressed.

This allows the grains of sugar to push into the fat creating air bubbles and a fluffy appearance after creaming. During baking this added air helps give a lighter texture

and weight to a baked good.

The creaming procedure with softened butter typically takes around three minutes. If cold butter is used, it can take about 15 minutes for the same result.

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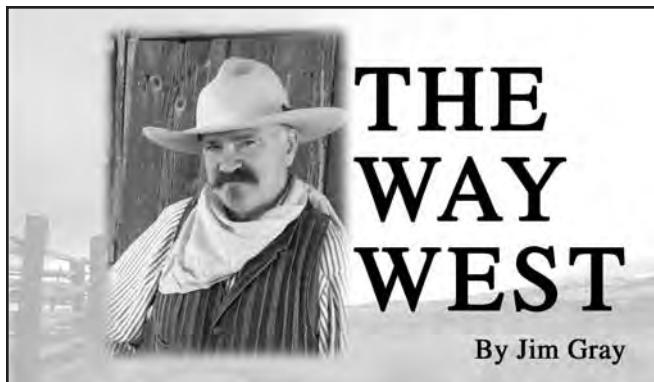
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Finding Quivira

The flint arrowheads of an earlier society can be found all over the state of Kansas. In the day of the plow, farmers turned them up quite regularly. Hunters had their favorite locations that were visited, especially after a rain had washed the surface clean, leaving the arrowheads and other flint tools exposed and easily found. My father showed me his favorite spots when I was a teenager. Unfortunately that was about the time farmers abandoned the plow for implements that left most of the soil profile in place. There are a few

hunters left, but they are a rare breed these days.

I grew up hearing stories of "The Land of Quivira," and the exploits of Coronado to the banks of the Little Arkansas River. My family has farmed and ranched in central Kansas since 1883. When I rode through the pastures I could almost see their domed lodges made of prairie grass on the uplands overlooking the spring fed watercourse below.

Four hundred seventy-four years ago, in 1541, a vision of Quivira captured the imagination of Spanish explorer Francisco Vázquez

de Coronado. But the vision he was given was invented by a cunning slave the Spanish had found among the Pueblo people. The mysterious fellow told stories of a land of gold far to the east along a river he said was six miles wide. Great canoes powered by twenty rowers drifted along the river with golden eagles at the bow. The people of Quivira ate from golden bowls. Their king was lulled to sleep under a great tree decorated with golden bells chiming in time with the prairie breeze.

Their informant also told them that the people of Quivira revered a golden cross and the image of a woman who was said to be the goddess of heaven. It was all too fantastic. Coronado had come north in search of "Cibola," the seven cities of gold. Failing to find Cibola, his disappointment quickly vanished upon hearing of Quivira. Spain had already "discovered" golden cultures in Peru and Mexico. The stories of gold led Coronado and his officers to believe they were about to discover

another gold-rich culture in the Americas.

The Spaniards called their informant "The Turk" because he reminded them of the Turkish people of the Ottoman Empire. Another slave identified as Ysopete warned Coronado of The Turk's treachery, but blinded by golden dreams, the Spanish Conquistadors enthusiastically accepted the slave's story. On April 23, 1541, Coronado directed his entire army into the endless sea of grass east of the known lands of New Mexico. The entourage of fifteen hundred souls included Mexican Indian allies, as well as the conquistadors, several wives, their servants, and slaves.

Coronado intended to supply his army "on the hoof" with five hundred head of cattle, five thousand sheep, and one thousand horses packed with additional supply. The Turk was their guide. Being unfamiliar with the country, the Spaniards followed The Turk by way of a most unlikely route. As the army trudged eastward Ysopete advised Coronado that

Quivira could be reached directly by traveling northeast, but he was ignored. Soon they were wandering aimlessly on the seemingly endless plains of the Llano Escatado (today's Texas Panhandle).

Coronado recorded that it was "as if we were swallowed up in the sea." The only thing moving on the horizon was the buffalo, which was always in sight by innumerable thousands, day after day. His men could not resist the hunt, but the country was so vast without any identifiable landmark that men became lost. One man never returned. Two horses, saddled and bridled somehow wandered off, also never to return.

Finally Coronado realized the game The Turk was playing. From the beginning he had conspired with his Pueblo captors to lead the Spaniards to their doom on the trackless plains. Fortunately Ysopete was at hand. Coronado at last placed his confidence in the man who claimed Quivira as his homeland. The army turned north, but having consumed a great deal of its provisions

still faced the possibility of fulfilling The Turk's objective.

Coronado selected thirty of his most trusted conquistadors to continue the journey. The main force marched back to the Pueblos to await Coronado's return from Quivira. Meanwhile, Ysopete reliably led Coronado to the Arkansas River which was referred to as the River of the Quivira and soon he was among the long-awaited villages of Quivira. But instead of a golden kingdom he found a stone-aged people living in grass lodges and doing their daily chores with tools made of flint. All that remains are the Spanish accounts, and the Quivira arrowheads waiting to be found in the prairie sod on The Way West.

"The Cowboy," Jim Gray is author of the book *Desperate Seed: Ellsworth Kansas on the Violent Frontier and Executive Director of the National Drivers Hall of Fame. Contact Kansas Cowboy, Box 62, Ellsworth, KS 67439. Phone 785-531-2058*

2015 wheat crop hit by just about everything

By Julia Debes

As combines roll across Kansas, phrases like "miracle wheat," "pleasantly surprised" and "exceeded expectations" pop up daily in harvest reports along with scattered stories of other fields struck down by hail, decimated by disease or starved by drought. Mary Knapp, climatologist with

Kansas State University, explained that this year's wheat crop weathered drought, freeze, temperature swings, heavy rain and disease - making above-projected yields in some areas of the state a slight shocker for farmers and analysts alike.

"This wheat crop has just been hit by everything,"

Knapp said. "Well, not a wildfire."

This fall started with persistent dry conditions across the state. A delayed fall crops harvest set planting back even further.

"Our wheat just did not have a chance from the beginning," said Ruthann Spare, who farms near Ellinwood, explaining that corn harvest delayed wheat planting even further into dry conditions, resulting in very short growth.

Then, over Veteran's Day

weekend in November, Knapp explained that temperatures sank into the teens, causing some of the wheat crop to enter dormancy without sufficient root development. Jim Shroyer, K-State Research and Extension crop production specialist, explained in November that the cold weather affected both wheat with excessive topgrowth and wheat that showed drought-stressed symptoms.

Winter brought a roller coaster of warm and cold

spells, according to Knapp, and dry soil continued to limit development in many areas. Then, in late April, freezing temperatures hit the state, particularly in south central Kansas. Knapp explained that while these freezes were not particularly cold, the wheat crop was flowering and particularly vulnerable.

But, then the rain started to fall. And, in May, just as the grain was filling, farmers across the state saw heavy rains. Knapp attributed the rains in part to moisture opening up from the Gulf of Mexico mixing with cold fronts moving across the state that "opened a fire hose pointed north." According to the Kansas Weather Data Library, Kansas received 188 percent more moisture than normal in May, averaging 7.73 inches statewide. By the end of May, the U.S. Drought Monitor listed just 6 percent of Kansas in moderate drought and 67 percent of the state as drought-free.

However, wet soil, Knapp explained, helped create the right climatic conditions for thunderstorms to build and stay over a small geographic area. She added that these types of weather patterns are also conducive to creating hail, which severely damaged wheat in

western Kansas, particularly in Kearney, Finney and Haskell counties.

Rain also brought disease - stripe rust, leaf rust and scab. On the annual Hard Red Winter Wheat Tour, Aaron Harries, Kansas Wheat vice president for operations and research, reported seeing stripe rust "in nearly every field we visited."

But, despite the weather and its related effects, the wheat continued to fill and the combines started to roll - later and slower than normal but with better end results than in previous years for many farmers.

On May 7, the 2015 Hard Red Winter Wheat Tour projected a state-wide average of 48.9 bushels per acre and a total estimated 288.5 million bushels. In its June report, the USDA National Agricultural Statistics Service upped their forecast to 314.5 million bushels in production - a 28 percent increase from the last year's drought-plagued crop.

Only time will tell what the final numbers for the Kansas wheat harvest will be. But, for now, farmers statewide are working to get their wheat out of the field and into the bin before Mother Nature strikes again.

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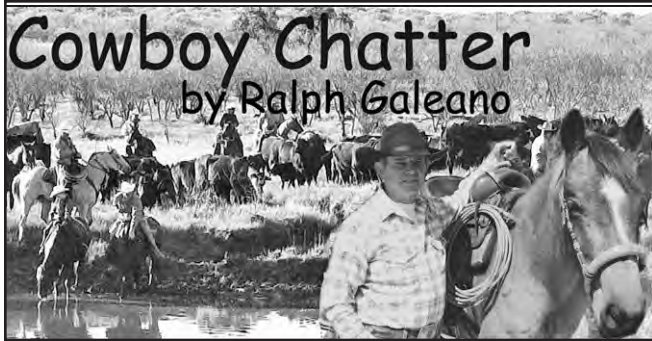
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Cowboy Chatter

by Ralph Galeano

Lift a Foal's Leg

Ms. Angie Shogren, a reader of this column, wrote to ask if I had any advice on lifting a foal's leg. She was having difficulty getting her baby filly to allow someone to lift her leg. Although the young horse had been handled often and was good natured with a pleasing disposition, she literally put her foot down when it came to allowing someone to attempt to lift any of her legs off the ground.

When the farrier came to trim the baby's hooves, he had no luck and the filly went on the fight at every attempt he made to lift her leg. He finally gave up and they decided to wait until after the baby was weaned.

There are multitudes of

different ways to train horses. What works for one horse may not work for others. Some methods are basic and others are maybe a little more complex. There are two ways to train a horse—the good-no fight way and there is the wrong-fight with them way. Nobody likes to fight with animals so I have always tried the simple method of making the right thing easy for them and the wrong thing hard. The best way is to try to show them the easy way and let them figure out how to do what you're asking the easiest way. If they think it's their idea, they will certainly do it the easy way whenever you cue them for whatever move you want them to

make. I'll give you an example of that a little later in this column but let's start at the beginning when that foal first hits the ground.

Imprinting a new born foal is super-important for a horse to allow you to do things to their body that will last a lifetime in their minds. If you're lucky enough to be there when the baby is born and start touching the foal soon after birth, you will be ahead of the game. Imprinting means touching and rubbing every part of their body so the foal accepts it as part of their new world. Putting your fingers in their mouth, ears and other places also includes the hooves, hocks, pasterns etc.

And it is a good time to gently pull each leg up several times. Do this each day and soon they will accept it as part of the human characteristic. Grip the leg the same way and at the same place each time you lift the leg. That way they will know what to expect and what to do when they feel you place your hand on that certain spot. No big deal anymore. That is the first best step to not having to fight with the

animal later in life. Starting early and imprinting isn't always possible, especially if the foal is born out on the open range and not discovered for days or even weeks.

So, if you have to start from scratch later in the baby's life, you'll have to do it the old-fashioned way and work at it every day. Earlier, I talked about an example of letting them figure out the easy way of doing things. Here's my example.

If you want to start training a baby to lift a leg, start by haltering the horse and leaving the lead rope draped over your forearm so you will still have control if they try to leave. Tying them at first will only lead to trouble if they try to leave and suddenly realize they are hard and fast—that's guaranteed to panic them and leave a bad first impression. With the loose lead rope, they won't feel as inclined to panic if something doesn't suit them.

Gently rub their upper leg and keep moving your hand around the leg staying high and away from their hoof. When they accept your hand rubbing the upper leg, move slowly down the leg

letting them become accustomed to your hand rubbing and not hurting their leg. Do this several times until you can tell that they feel comfortable with your hand on all parts of their leg.

Now comes the "let them think it's their idea" part. Using your thumb and forefinger squeeze a spot just above the fetlock at the back of their leg or just below the fetlock. Do it with your left hand and be ready to lightly grasp their hoof or ankle when they finally lift their leg. Squeeze gently at first and if you get no response, slightly increase the pressure and hold it until, hopefully, they lift their leg. Be patient. You may have to use your right hand to coax the hoof up. As soon as it goes up, let it back down and release all pressure. Wait a few seconds and do it all again. Your aim is to get the horse to realize that when he feels the pressure on the back of his lower leg, or wherever you decide to place the pressure, they can relieve that pressure simply by lifting their leg. They are figuring out themselves how

to relieve the pressure. Do everything the same way each time and don't overdo the exercise to bore them. A little each day is better than a lot in one session.

When you first get the desired response of lifting their leg, hold it a few seconds and then lower it back down. They will soon realize it doesn't hurt to let you lift their leg when they feel that pressure. When things begin to go smoothly, try holding the leg a little longer each time it is lifted. Try never to get in a fight with them about lifting their leg. Once you fight with them, you are taking one huge step backwards and you'll have to start from the beginning again. Persistence and patience with repetition will get the job done and you'll both be happier if you don't get in a squabble. If you always leave each session as friends, you will become a welcome part of their life and that will make your life much easier.

Contact Ralph Galeano at horseman@horsemanspress.com or www.horsemanspress.com

Annual K-State Horticulture Center Field Day set for July 25

Come see the hottest and newest plants while enjoying cool classes in air-conditioned comfort and ice cold water while wandering the field trials. Learn about the latest and greatest before it ever hits the garden centers. It's all here at the K-State Research and Extension Horticulture Center's Field Day, Saturday, July 25, from 8 a.m.-2 p.m. It's your chance to peek behind the scenes, talk with the experts and learn about the latest varieties and methods for achieving growing success. Herb recipes and high-tunnel strawberry research will be showcased at this year's event.

Admission is \$5 per person, which includes ice-cold bottled water, seminars, classes and demonstrations. K-State Research and Extension horticulture research develops its list of recommended grasses, flowers or vegetable varieties through university research conducted in Olathe to determine what grows best in Kansas City landscapes.

What you'll see

The Center conducts research in flowers and vegetables. Visitors can speak with university professors heading up the research and Johnson County Extension Master Gardener volunteers.

Highlights - Flower Area Annual flower trials—Companies from around the world submit their newest developments. The research trials show which flowers can withstand the Kansas City climate. The trials illustrate that not all varieties are created equal. Check out the container

plantings as some annuals are only meant for use in pots.

New annual introductions - 'Monarch Promise' Milkweed is an ornamental with variegated foliage that enhances butterfly habitat. New to the market are Echibeckias, a cross between Echinacea (Coneflower) and Rudbeckia (Black-Eyed Susan) — two prairie natives which make it an appealing plant for Kansas gardeners.

Cut Your Own flower bouquet area—a cutting garden is a fun way to bring the garden inside. Learn which plants work for providing summer enjoyment.

Impatiens Downy Mildew - this disease is continuing its spread into Kansas City. See what's new in impatiens to help fight this disease.

Year of the Coleus - come see 21 varieties, including 3 terra-cotta colored cultivars, and the Under the Sea® varieties with wildly serrated leaves. Foliage is hot.

Highlights - Vegetable Area - Growing Local Food

Come and find out what K-State Research and Extension is doing to assist local farmers support the

growing local food movement. While at the research center, you will learn about many of the innovative things that local farmers are doing. Projects include:

- High tunnel production systems with tomato, pepper, spinach, strawberries, blueberries, and brambles.
- Vegetable grafting
- Soil health and microbiology studies using cover crops and no-till systems
- All America Selections Variety Trial program
- "Pack 'n' Cool" Mobile Produce Cooler
- Growing Growers: Training first-generation farmers in the KC/Lawrence area

• Off-season strawberry production system: during the day sample berries as part of the research effort to expand the fresh season of strawberries.

Extension Master Gardeners Backyard Garden Demonstration
Vegetable gardening is as popular as ever. This Extension Master Gardener's project demonstrates various methods of growing vegetables. Raised beds, trellises, and different planting methods are demonstrated along with a fruit garden.

Featured displays include:

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How to get there

The Research Center is located at 35230 West 135th Street, Olathe. The entrance is approximately nine miles west of Highway 7 on 135th Street. Admission is \$5 at the gate. Lunch will be available for purchase during the event. For information call (913) 715-7000, or visit www.johnson.ksu.edu.

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Evolution study finds recent agricultural pest stems from one fly generation's big genetic shift

A new study involving a Kansas State University entomologist reveals that the genes of a fruit fly that has plagued American apple producers for more than 150 years is the result of an extremely rapid evolutionary change.

Greg Ragland, assistant professor of entomology, is co-lead author on a study involving biologists at Rice University, the University of Notre Dame and several other universities. The study looked at the processes that cause a new species to emerge, which may threaten existing, economically important crops. Scientists think that strong environmental changes, such as a drastic change in seasonal weather, can rapidly "push" different sections of an organism's genome — its genetic blueprint — into changing.

For the study, researchers focused on the

U.S. fruit fly species *Rhagoletis pomonella*, or the apple maggot fly. Traditionally, the fly lays its eggs in the fruit of the Hawthorn tree, which is native to North America but not considered economically important because of the fruit's overripe taste. In the 1850s, a small group of these flies began laying their eggs in apples.

"At some point the flies jumped to apples, with the adult flies evolving the ability to lay eggs in the fruit and the maggots the ability to consume the fruit," Ragland said. "To do that, regions of the genome had to change from one generation to the next. The result of these flies infesting apples is now a huge issue for the apple production industry because it has introduced a new agricultural pest through an evolutionary event."

Apples mature earlier in

the year than Hawthorn fruit. Because of this different maturation window, the group of flies had to begin their lifecycles earlier to match the growth cycle of apples, their new host fruit.

According to Ragland, these seasonal differences essentially equate to two different groups, or taxa, of the fly — one synchronized with Hawthorn fruit similar to its ancestors and one synchronized with apples. As the behavioral and physical differences in the two flies continue to build each generation, scientists think they may be seeing the formation of a new species.

Work starting as far back as the late 1800s began to reveal these observable differences. This new study builds on that work by showing that environmental differences can change many regions of the genome on time scales even shorter than 150 years.

Researchers discovered this process of rapid adaptation through experiments

that looked at the evolutionary differences in the genomes of both flies. They collected flies that laid eggs in Hawthorn fruit and raised one group under seasonal conditions typical of either native Hawthorn fruit or apple-infesting populations. Researchers found that they could replicate the shift from Hawthorn fruit to apples first seen in the 1850s even though all of the flies in the experiment initially laid their eggs in Hawthorn fruit.

"The rapid pace of evolution required to produce the apple-infesting group was initially a surprising result," said Scott Egan, assistant professor at Rice University and co-lead author. "Our results are even more surprising, though, showing that just a few generations of natural selection may have generated apple fly populations that physically and genetically resemble the ones that we see today."

Initially, the team sequenced the genomes of

both Hawthorn and apple flies. Following the experiment, they sequenced the flies reared under the short-term Hawthorn-like and apple-like conditions. They found pronounced differences between the short-term rearing conditions across the entire genome. When they compared these results, they found that the genetic changes from the short-term experiment lined up almost completely with the genetic changes between the Hawthorn and apple groups.

"This suggests that many regions of the genome may evolve in as little as a few generations," said Jeff Feder, professor at the University of Notre Dame and co-author. "The genome-wide changes we observe are very likely the result of environmental differences that are driving the formation of new species."

In addition to observing the evolutionary "jump" between host fruits by the two flies, the study sheds new

light on how seasonality affects evolution. Better understanding these evolutionary shifts may help scientists better predict when these shifts could happen and what new agricultural pests may result.

"One of the big takeaways is that species are not static; they are fluid to the environment they live in," Ragland said. "From an evolutionary perspective, environmental change can lead to very pronounced genomic differences over very short time scales. They can potentially change all kinds of traits."

The study, "Experimental evidence of genome-wide impact of ecological selection during early stages of speciation-with-gene-flow," will appear in an upcoming issue of the scientific journal *Ecology Letters*.

The National Science Foundation, the U.S. Department of Agriculture and the Environmental Change Initiative at Notre Dame funded the study.

AUCTION

SATURDAY, JULY 18 — 9:00 AM

LOCATION: 2193 Pawnee, MARION, KS

(1 mile North of the Corp of Engineers Office at the Marion Reservoir.)

DIRECTIONS: From Marion, go 4 miles West on Highway 56. (From Hillsboro, go 6 miles East) to Old Mill Road. Then go 2 miles North on the Reservoir Dam Road.

ANTIQUES & COLLECTIBLES

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The International Year of Soils: Soils support recreation

At Kansas State University's Rocky Ford Turfgrass Research Center, located north of Manhattan, even the occasional passerby will notice many small plots that showcase a variety of recreational fields. From athletic fields where players would take part in soccer, for example, to a putting green that meets United States Golf Association specifications, K-State Research and Extension turfgrass specialist Jared Hoyle studies all sorts of turfgrass systems.

Hoyle said recreational activities, including those using turfgrass, are an important part of our everyday lives. Whether a person enjoys playing sports on athletic fields or golf courses, walking in parks or boating on lakes, the health of those areas depends on the health

of surrounding soils. This relationship fits the June theme for the 2015 International Year of Soils, "Soils Support Recreation."

"Soil serves as a repository for water and nutrients (for turfgrass) just like any other plant," Hoyle said. "In turfgrass systems, we are trying to grow the same turfgrass species in different types of soils. The soil type determines our management practices to achieve quality of turf and meet our expectations."

The turf, in return, also benefits the soil and environment, he said. A healthy turf can help filter potential pollutants from the environment and provides erosion control by stabilizing soils. It does this through its root systems that help hold soil in place.

The type of soil and soil quality determines how turfgrass is properly managed. Sand-capped soils, Hoyle said, help water move through easier compared to heavy clay soils that tend to compact.

"When compaction occurs, we do different management practices to try to relieve that compaction, like aeration," he said. "Our main goal is not only to help supply nutrients, airflow and water to the root system, but also to provide a safe playing surface for the athletes. As we all know, you are more inclined to get injured on a harder surface than you are a softer surface that can absorb energy if a player contacts the ground."

Hoyle said K-State offers homeowners and commercial land managers, such as golf course superintendents, the opportunity to test soil to improve turfgrass quality or help determine the type of turfgrass best suited for their soil type. To find out more, contact your local Extension office.

Soil not only supports turfgrass for recreation. It also supports the parks, lakes and natural resources many people enjoy. Dan Devlin is an agronomy faculty member at Kansas State University and serves as director of the Kansas Center for Agricultural Resources and the Environment and the Kansas Water Resources Institute. He said soil conservation practices improve

soil quality, and help reduce soil erosion and sedimentation in our lakes and streams.

Soil erosion into these water bodies can occur from upland areas or along riverbanks, and it adversely affects recreational water quality, Devlin said. When soils settle in these waters, they often bring nutrients. Nutrients such as nitrogen and phosphorus are key ingredients for algal blooms to develop in the water. These may produce toxins that are harmful to human and animal health.

"If we can reduce soil and nutrients to surface waters, we can improve our recreational waters and reduce algae blooms," Devlin said.

He said many farmers in upland areas are doing their part to reduce erosion by building terraces and waterways, using strip-tillage or no-tillage cropping, and embracing new cover crop technologies. On the riverbanks, many landowners are using stabilizers such as trees to reduce erosion and the soil nutrients being lost from those sites.

To watch a video interview about "Soils Support Recreation" that features Hoyle and Devlin, log on to the K-State Research and Extension YouTube page (<https://www.youtube.com/watch?v=ApDJGV0R5Is&feature=youtu.be>). The Soil Science Society of America has numerous resources for the public, teachers and children about soil and each monthly theme for the International Year of Soils. Log on to www.soils.org.

AUCTION

SATURDAY, JULY 18 — 10:00 AM


Location: From Lincoln, Kansas, go 3 miles south of Lincoln on 14 Hwy to Iron Drive, then 2 miles east to 210 Road, then 1 mile south to Hawk Drive, then 1/4 mile east on north side of road. Watch for signs.

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CHS and MKC announce grain storage expansion at Canton terminal

CHS Inc., an energy, grains and food company and the nation's leading farmer-owned cooperative, and MKC, a full-service farm cooperative offering a complete line of products, programs and services throughout Kansas, have approved plans to increase grain storage capacity at their high-speed shuttle loading facility in Canton.

With current on-site storage of 3 million bushels, the

expansion will increase storage capacity to more than 7.5 million bushels. Four million bushels of storage will be added with approximately 2 million bushels in concrete jump form bins and another 2 million bushels in temporary ground storage piles. Construction is expected to begin June 2015 and should be completed by May 2016.

"We recognize the need for more storage and speed

for Kansas grain farmers at our Canton terminal," said Dave Christiansen, president and CEO, MKC. "To accommodate farmers' needs for more storage in the area, we are expanding the storage capacity which will continue to expand the global reach for Kansas grain farmers and better meet the needs of growers."

"Expanding this facility is an important opportunity to add more value for

Kansas farmers and the grain they raise. We've already seen that demonstrated since the original facility opened nearly a year ago," said Lynden Johnson, executive vice president, CHS Country Operations Division. "This partnership continues to be an excellent example of cooperatives working together to benefit producers by connecting them to the global marketplace."

The Canton terminal, op-

erated as Producer Ag, LLC, a limited liability company owned by CHS and MKC, was completed in November 2014. The facility first took milo in November 2014 and loaded the first train bound for the Texas Gulf on Dec. 27, 2014. Located on the Union Pacific rail line, the grain shuttle is capable of loading 110-car trains bound for export facilities in the Pacific Northwest, the Gulf Coast and Mexico. Since

construction was completed, more than 9 million bushels of grain have been shipped on rail. The LLC is a member of Team Marketing Alliance (TMA) which handles the grain marketing services for the Canton terminal.

"The partnership created with CHS has provided advantages not only for the cooperative but our farmer-owners," Christiansen said.

Sorensen of Lincoln to be honored at July 25 NBC World Series

Abraham "Junior" Sorensen, 85, of Lincoln has been selected by Area Agencies on Aging in Kansas to be honored as Keeping Seniors in the Game!SM first pitcher on Saturday, July 25, 2015 at the 7 p.m. feature game of the National Baseball Congress (NBC) World Series.

The 81st NBC World Series happens at Wichita's Lawrence-Dumont Stadium Games beginning Friday, July 24 and goes until Saturday, August 8.

Sorensen is one of 16 Kansans over age 80 throughout the state selected for the honor. The Keeping Seniors In the GameSM

initiative recognizes the vitality and contributions of older Kansans and raises awareness of Area Agencies on Aging - a national network of groups that provide unbiased answers and real help to seniors and family caregivers with the goal of helping seniors stay happy and independent in their home communities.

Sorensen, a native of Denmark, a small community in northwest Lincoln County, lives in Lincoln. He and his wife Essie were married for 50 years. He is a Navy veteran and a retired farmer. He's a regular at Lincoln's Senior Center and on the golf course. He en-



Abraham "Junior" Sorensen, Lincoln, will be honored as the first pitcher at the July 25 feature game of the National Baseball Congress World Series on July 25.

joys keeping up with his two children, five grandchildren and nine great-grandchildren.

Sorensen loves baseball. He has great memories of 1947 when he played ball for Sylvan Grove's town team. From 1948 through 1950 he played on teams for Denmark and for the Lincoln Hawks as well as on American Legion Baseball teams in the area. His favorite baseball memories include hitting the first home run at the 1949 NBC state tournament -the homer that got the Lincoln Hawks into NBC's national tournament that year. Although the Hawks didn't make it too far in the tournament, it was an honor for their team to play in the World Series.

Sorensen was nominated for the honor by the North Central-Flint Hills Area Agency on Aging. This group serves seniors and caregivers in Lincoln County and in 17 other counties

in the heartland of Kansas and publishes the *Keynotes* newspaper for older Kansans.

"We are very happy to work with the National Baseball Congress to recognize the amazing contributions that Junior Sorensen and other older Kansans make to our country, our hometowns and our communities," said Julie Govert Walter, executive director of the North Central-Flint Hills Area Agency on Aging who leads the Keeping Seniors In The Game!SM initiative.

The NBC World Series was founded by baseball innovator Hap Dumont in 1934. Over the years, the NBC has launched the careers of many baseball icons. The 81st World Series includes teams throughout the United States. For NBC World Series information and ticket prices go to www.nbcbaseball.com or call 316-977-9400.



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Canola educational opportunities for producers planned this summer

Four in-depth educational opportunities for area producers on winter canola production and marketing are on tap for this summer.

Aug. 5 and 6 – K-State Research and Extension will host two pre-plant canola risk management schools. The first is at 10 a.m. on Aug. 5 in Wichita at the

Sedgwick County Extension Center. The second will be Aug. 6 in Garden City at the Southwest Research-Extension Center beginning at 9 a.m.

“We want to give new and experienced producers the information needed to make an informed decision about planting winter

canola this fall,” said Mike Stamm, K-State Research and Extension canola breeder.

Topics at the pre-plant meeting on Aug. 5 include drill calibration, insect management, canola varieties and winter survival, on-farm establishment research, and marketing. Top-

ics at the Aug. 6 meeting include planting date and establishment methods, intensive management under limited irrigation, variety performance and winter survival, insect management, and marketing.

Lunch will be provided at each venue. Participants are asked to RSVP by Aug. 3

for the Wichita school by contacting Jackie Fees, Sedgwick County Extension office, at jfees@ksu.edu or 316-660-0143 or online at Canola School link. For the Garden City school, participants are asked to RSVP by July 30 to Ashlee Wood, at awood22@ksu.edu or 620-276-8286.

The risk management schools fulfill the requirements of a USDA-Risk Management Agency sponsored grant titled “Extending Risk Management Education to New and Experienced Canola Producers in Kansas and Colorado.”

Sorghum Checkoff launches Sorghum Recipe Showdown

The Sorghum Checkoff launched its first Sorghum Recipe Showdown recently, asking people across the country to create their best sorghum recipes.

“This is a great opportunity for people to explore the benefits and versatility of cooking with sorghum,” said Doug Bice, Sorghum Checkoff high value markets director. “Sorghum has really taken off as a food ingredient, and this recipe contest will help express why sorghum is the smart choice for all your culinary needs.”

The contest will take place throughout the month of July. Participants can enter recipes with sorghum, utilizing it as a whole or pearled grain, flour, syrup, popped, flaked or bran.

To enter the Sorghum Recipe Showdown, participants must submit their entry form, original recipe and a high-resolution photo. Alternatively, participants may post the recipe with a photo of the dish on their blog and then Pin the recipe to Pinterest with the tag #tastesorghum in the description. All entries must be posted and submitted or pinned between July 1, 2015, and July 31, 2015.

“We have some great prizes for winners,” Bice said. “First place will take home \$500 cash, second place will win a custom Dutch oven, and third place will receive a Sorghum: The Smart Choice® apron. I would encourage everyone to get involved whether this will be your first or 100th time to cook with sorghum.”

Winners will be announced on September 1, 2015. Visit SorghumShowdown.com for full contest details

New events, new online look, and more for Inter-State Fair And Rodeo

The 2015 Inter-State Fair and Rodeo in Coffeyville will have several new activities, a new online look, and other things that are new to the fair.

The new website, FairandRodeo.com, is up and running, and a mobile version for smartphones is also new.

The rodeo parade has been moved to Wednesday, August 12 and will have a new route. It will begin at Ninth and Spruce, go east on Ninth to Willow, go south on Willow to Tenth, go east on Tenth into the parking lot, turn north on Walnut to Ninth, go west on Ninth to Elm, then north on Elm to Eighth, and east on Eighth to Patterson, where it will end.

The parade date was

changed to accommodate the retired clowns and bullfighters, who will have their reunion in Coffeyville August 12-15. The retirees will be part of the parade, and will sign autographs an hour before and an hour after each night of the rodeo August 12-15.

For the youth showing livestock, premium checks will be handed out by the businesses who are sponsors. That will allow the young people to have more interaction with the companies that sponsor the livestock shows.

Per Kansas Agriculture Secretary Jackie McClaskey, there will be no poultry show at the Inter-State Fair this year. Due to the avian flu, all poultry shows across

the state have been cancelled. The measure is an effort to prevent the spread of the H5N2 avian influenza and protect poultry flocks in Kansas.

Prior to the ranch rodeo on Sunday, August 9, a stock dog showcase will be held, beginning at 5 p.m. in the grandstand. It will feature Lyle East of Serendipity Stockdog School and Landon Minor of Duckhead Stockdogs.

The barn dance will wrap up the eight days of festivities on Sat., August 15. It will begin at 9 pm at the show barn, and will feature Two Steps Back and Tyler and the Tribe. It is free, and adult beverages will be served to those 21 and older. And an “oldie-goldie”

value remains: fun passes, which admit the bearer to all eight nights of grandstand entertainment, will be for sale. They are on sale online on June 26 for the basement-low price of \$25; from June 27-July 31, they are \$35. On and after August 1, they are \$45. They can be purchased at the Coffeyville Chamber of Commerce after June 26. Tickets for individual nights of grandstand entertainment can be purchased online, at the Chamber, or at the gate.

For those exhibiting at the fair, the premium book is available online at www.FairAndRodeo.com.

For more information, visit the website or call the Coffeyville Chamber of Commerce at 520-251-2550.

Handle vaccines properly

Maintaining herd health is of utmost importance to any successful swine operation. An infectious disease outbreak can cause economic devastation, and full recovery of a herd can take months.

“Vaccines are vital to disease prevention,” said Lucina Galina, DVM, managing veterinarian, Pork Technical Services, Zoetis. “But simply adhering to a stringent vaccination program does not ensure animals will be fully protected. Other factors contribute to a successful disease prevention program, including storing, handling and administering the product.”

Vaccine storage

Vaccines can lose their effectiveness if not stored at

proper temperatures. Always store vaccines in a refrigerator with an air-tight door and thermometer so the temperature can be checked regularly. For most products, the temperature should be between 35°F and 45°F.

Store vaccines in the center of the refrigerator, not in the door or at the bottom. The temperature in these areas is unstable and can affect the temperature of the vials. Place vials in order of their expiration date. Do not store other food or beverages in the refrigerator, and ensure it is cleaned monthly. Keep a record of this cleaning.

Before you vaccinate

Prior to administering vaccinations, calculate the

amount of doses you will need. Inspect each vial to ensure it has not been tampered with or broken or has changed colors. Verify that it is the recommended temperature, and gently shake the vial to mix.

“The most important thing to do before you vaccinate any pigs is to assess their current health status,” Dr. Galina said. “Sick pigs might not get the full protection the vaccine offers if they already are fighting a disease or bacteria. If you have pigs that are sick, discuss the vaccination protocol with the herd veterinarian.”

In the pen

Gently shake the vial between administrations, and be careful not to contami-

nate the remaining doses. Use sterile or thoroughly cleaned needles to avoid transmitting the disease among animals or pens.

Use the appropriate needle based on the size of the pig. Change needles often to reduce the risk of injuries. Review the recommended pigs-per-needle guidelines with the herd veterinarian.

Safety first for you and the pigs

“Stress can reduce the immune system’s response and could result in loss of vaccine effectiveness,” said Dr. Galina. “Keep pigs calm and reduce other stress factors on the day of vaccination, such as multiple pen movements, excessive handling or transportation.”

Use proper technique to administer the vaccine in the correct area of the pig’s neck. Position the needle and syringe perpendicular to the neck.

If you accidentally inject yourself or another caregiver, thoroughly wash the wound with water, contact your doctor and report the incident to your manager and Zoetis representative.

Following protocol

Zoetis provides a full line of vaccines that help prevent disease. There also are helpful on-farm resources, such as posters that display proper handling, storing and administration techniques. Ask your local Zoetis representative how you can obtain these helpful visuals to ensure you’re providing the best disease prevention program for your pigs.

MOVING AUCTION

SUNDAY, JULY 26 — 9:30 AM

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COLLECTIBLES, FURNITURE, HOUSEHOLD, MISC.

2 Victorian vintage oak & walnut Parlor Settee's; White Clad vintage wooden Ice Box Refrigerator; claw foot piano stool; oak child's rocker; 2 School desks; Cherry end-table; 2 Cherry coffee tables; Western Electric oak wall phone; Singer treadle sewing machine; Jayhawk Vintage

hanging lamp; Jayhawk & LHS latch-hook rug pictures; ¾ Walnut spindle bed; vintage wooden Fainting Couch frame; paper roller; #2 Blue-band water crock; #4 & 6 Buckeye crocks; #4 & 6 Red Wing crocks; #5 Red Wing jug crock; Twig outdoor patio furniture; #2 corn bread CI pan; aluminum mold pans; cast iron Santa-Reindeers; cast iron items; Brass small bell; Budweiser vintage cooler; Santa Fe lantern; Planters Peanut 5 cent jar; Gripstand #12 bowl; Singer Little Touch & Sew machine; Toddler Trike; wooden high-chair; bassinet; 4 qt. lard press; reel push-mower; metal sprinkler cans; metal glider & lawn chairs; wooden patio rockers; wooden vintage wheelbarrow; 24x24 Butcher block table; oak round dining table w/matching buffet; slat-top commode; Louisville Stoneware dinner set for 8 w/extras; Pfaltzgraff Heritage white place setting for 12 w/extras; Farberware Wellesley set of 12 w/extras china set; copper boiler; vintage pictures; milk jars; jadite tureen; Madame Alexander Dear America doll; 5th wheel Wagon wooden wheels; Duck 3 ½ qt. soup tureen; costume, 14K, sterling vintage jewelry; metal tube bed; cookbooks; kitchen décor; Brother sewing-machine; GE upright freezer; wooden Adirondack chairs; concrete yard art (large Eagle, etc.); Martin house; 10 piece iron Patio set; hammock; Ducane BBQ grill; Fugitive Mountain bike; break-away basketball goal; pine desk; bar stools; decorative milk cans (KU); AT&T remote answering phone system; Sony cordless phone spp-q100; NUMEROUS ITEMS TOO MANY TO MENTION!

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Corn acreage unchanged, beans down from 2014

Kansas corn growers planted 4.05 million acres this year, unchanged from 2014, according to the USDA's National Agricultural Statistics Service. Biotechnology varieties were used on 95 percent of the area planted, unchanged from 2014. Growers expect to harvest 3.75 million acres for grain, down 1 percent from last year.

Soybean plantings are estimated at 3.7 million acres, down 8 percent from last

year. Biotechnology varieties were used on 96 percent of the area planted, up 2 percentage points from 2014. Area for harvest, at 3.65 million acres, is down 8 percent from a year ago.

Sorghum acreage planted, at 3.3 million acres, is up 16 percent from a year ago. Area expected to be harvested for grain is 3.0 million acres, up 11 percent from last year.

Sunflower acreage planted, at 65,000 acres, is up 3

percent from last year. Oil-type varieties account for 50,000 of the acreage while non-oil, or confectionary varieties, make up the balance of 15,000 acres.

Oats planted, at 85,000 acres, is unchanged from a year ago. Oat acres intended to be harvested for grain, at 20,000 acres, is up 5,000 acres from the previous year.

Barley planted, at 15,000 acres, is down 1,000 acres from last year. Forecasted area for harvest, at 9,000

acres, is down 1,000 acres from a year ago.

Dry beans planted, at 9,000 acres, are up 1,500 acres from the previous year.

Alfalfa hay acreage to be cut for dry hay is 650,000 acres, up 8 percent from last year. Other hay acreage to be cut for dry hay is 1.8 million acres, up 6 percent from last year.

Cotton acreage planted is estimated at 29,000 acres, down 2,000 acres from last year.

Winter wheat seeded in the fall of 2014 totaled 9.4 million acres, down 2 percent from the previous year. Acreage for harvest is forecasted to be 8.8 million

acres, unchanged from last year.

Summer potato planted acreage, at 3,900, is down 300 acres from 2014.

Kansas NRCS seeks partner proposals to protect and restore critical wetlands

Eric B. Banks, State Conservationist for Kansas' U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) has announced that NRCS is accepting project proposals until July 31 to address high-priority wetland protection, restoration, and enhancement activities and improve wildlife habitat on eligible lands throughout Kansas.

NRCS is investing \$17 million nationwide in the Wetland Reserve Enhancement Partnership (WREP), a special enrollment option under the Agricultural Conservation Easement Program's Wetland Reserve Easement component. Through WREP, states, non-governmental organizations, non-profit organizations, and tribes collaborate with USDA through cooper-

ative and partnership agreements. These partners will work with willing tribal and private landowners to enroll eligible land into easements to protect, restore, and enhance wetlands on their properties. "NRCS has leveraged partnerships to accomplish a great deal on Kansas' wetlands over the past two decades," Banks said. "This year's funding will help strengthen these partnerships and achieve greater wetland conservation in the state."

Wetland reserve easements help landowners to successfully enhance and protect habitat for wildlife on their lands, reduce impacts from flooding, recharge groundwater, and provide outdoor recreational and educational opportu-

nities. NRCS' easement programs provide benefits to farmers who enroll in the program, as well as benefits to the local and rural communities where the wetlands exist.

Partners will be required to provide a combination of in-kind and cash contributions of at least 25 percent of the easement, restoration, or management costs. Proposals that go above and beyond required contributions will be given higher consideration. Eligible partners may submit proposals for individual projects, watershed-wide, or larger geographical area projects to their local NRCS office by close of business on July 31, 2015. More information can be found on the Kansas NRCS Web site: <http://www.nrcs.usda.gov/wp>

portal/nrcs/main/ks/programs/easements/acep/.

For more information about NRCS and other technical and financial assistance available through conservation programs, visit www.nrcs.usda.gov/GetStarted or your local NRCS office.



Straw offers second paycheck to growers near biomass plant

(AP) - A second harvest is now under way over the stubble left in some western Kansas fields after wheat is cut. That straw represents an added income source for farmers.

The Hutchinson News reports that some farmers burn the stubble after wheat harvest. Some disk it. Some plant the next crop right into it.

But Courtney Wilson, harvest manager for Pacific Ag, wants farmers to know they're leaving a paycheck out in the field.

Wilson's company can take residue left from harvested field and bale it up. It then hauls it to Abengoa's biomass plant in Hugoton, where it is turned into cellulosic ethanol.

Wilson says his company plans to pay out \$3 million to southwest Kansas farmers in a 100-mile radius of the facility.

AUCTION

SATURDAY, JULY 18 — 9:00 AM

Offering for sale at Public Auction, located at 1231 Goldenrod, Hillsboro, KS; from Goessel, KS 5 miles east & 1/4 mile north.

RV, VEHICLES, FURNITURE, HOUSEHOLD & GARAGE ITEMS

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COLLECTIBLES, FURNITURE & MISC.

Furst & Bailey CI implement seat; crosscut saw; Perfection heaters; various Mickey Mouse items; various prints; several quilts; cookbooks; several small crocks & pitchers; Coke bottles; SW sofa; occasional tables; end tables; coffee tables; oak pedestal dining table; several oak dining chairs; oak entertainment center; walnut gentleman's chest; oak veneer dresser & mirror; bookcase; maple dresser & mirror; recliner; lamps wicker shelf; various kitchen items.

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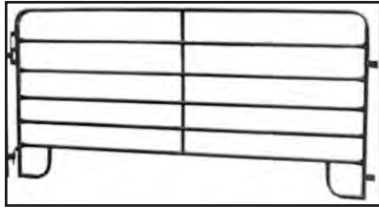
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Closely monitor medicated mineral intake

By Glenn Selk, Oklahoma State University Emeritus Animal Scientist

Medicated minerals are available and frequently used to help prevent the blood-borne disease, anaplasmosis. A consistent and appropriate intake of the mineral is critical to a successful anaplasmosis prevention program. Cow calf operators will want to monitor

mineral consumption closely to be certain that the label-recommended quantities are being consumed by the cattle. In the near future, a "Veterinary Feed Directive" (VFD) will be necessary for most antibiotic feeding in mineral supplements. Contact and work with your local large animal veterinarian about the appropriate VFD for your op-

eration. For more information and access to the full VFD rule, visit the FDA/CVM website at fda.gov/AnimalVeterinary.

The most popular means of anaplasmosis prevention is the use of mineral mixes that contain chlortetracycline (CTC). When fed at a rate of 0.5 mg/lb. of body weight CTC will reduce the risk of anaplasmosis infections. (November, 2013 *Veterinary Entomology* vol. 6, issue 4) It is important to note, however, that CTC is added to minerals for several different reasons, and these other uses require different levels of drug in the mineral. Make sure that the product you choose states on the label that it is formu-

lated at a rate for the prevention of anaplasmosis, and gives the specific amount of daily consumption needed to supply that level. The next step is to monitor your herd to make sure that the product is being consumed at the appropriate rate. If not, you may need to look at other products or change your management practices in order to correct consumption deficits. Recovered animals will be carriers of the disease and a source of infection for susceptible individuals. Clear them of the organism with high levels of antibiotics administered parentally, isolate them from susceptible animals, or cull them from the herd.

Placement of mineral feeders and blocks can aid in achieving optimum mineral intake. Place them in areas where cattle spend a lot of time. Minerals should be placed in loafing areas, near water sources, in shady areas, or any other location that tends to be a popular place for the herd to congregate. A rule of thumb is to provide one mineral feeding station for every 30 to 50 cows. Check feeders at least once a week and keep a clean, fresh supply of minerals present at all times. A good feeder should keep

minerals dry, be portable and hold up to abuse and corrosion. Open tubs are not adequate in high rainfall areas.

Summer often becomes a busy time of year for ranchers (especially during haying season). Don't forget to check the mineral feeders or blocks to be certain that they are supplying the minerals that your cows need. If you have questions about anaplasmosis prevention or suspect that an animal in your herd has anaplasmosis, call your veterinarian for help with treatment.

CONTRACTOR AUCTION

THURSDAY, JULY 23 — 10:00 AM

110 Commerce Street — HESSTON, KANSAS

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- 2009 Komatsu PC5 MR-2 Utility Mini Excavator/Hydraulic Thumb and 2' Bucket, 1670 hours, one owner, 6' 6" Rear Dozer Blade, Long Boom
- 2002 Gehl 5635 SX Series II Skid Steer, 72" Bucket, Forks, T Bar Control, Cab, 1798 hours, one owner
- 2002 Ford F250 4 Wheel Drive, Power Stroke, Automatic, Ext. Cab, 293,100 miles
- HMR 6' 6" Sheeps Foot Packer, Fit 4-Way Bucket Magna Force 60 Gal. Twin Cylinder 220V Air Compressor Makita 14" Metal Chop Saw; Makita 10" Table Saw; Ratchet Wrenches, Nut Driver Sets, Pump Pliers, Hammers, Screw Drivers; 2 Sets Open-Box End

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K-State to host dairy sessions for producers

By Mary Lou Peter

The heat is on in the dairy industry — in summer temperatures as well as the dairy market. To address key issues for dairy producers, Kansas State University will host "Summer Dairy Herd Challenges: Managing Price and Production Risks" in two locations.

The meetings are planned to provide the latest production and economic information to dairy producers as they make important decisions leading up to a Sept. 30 deadline as part of the Dairy Margin Protection Program.

The sessions, presented by K-State Research and Extension animal scientists and agricultural economists, will be July 31 in

Hutchinson at the Amish Community Center, and Aug. 4 in Seneca at the Nemaha County Community Building. Representatives of the USDA's Farm Service Agency will be on hand to discuss details of the Dairy MPP.

The program begins at 10 a.m. at each location and ends at 2 p.m. Lunch is provided, courtesy of the Kansas Dairy Commission.

Topics to be covered include:

Dairy Margin Protection Program Basics and 2016 Election Decisions;

Relationships Between Heat Stress and Reproductive Performance in Kansas Dairy Herds;

Reducing Heat Stress on Transition and Post-Fresh Cattle;

Improving Transition and Post-Fresh Performance with Feed Additives; and

Culling in the First 60 Days of Lactation and Transition Cow Challenges in Kansas Dairy Herds.

Presenters will be Gregg Hadley, K-State Research and Extension assistant director, and K-State dairy specialists Mike Brouk and Luis Mendonca.

Registration for the July 31 session in Hutchinson is requested by July 24 (to ensure a lunch) by calling the Reno County extension office at 620-662-2371.

Registration for the Aug. 4 session in Seneca is requested by July 31 by calling the Meadowlark Extension District's Seneca office at 785-336-2184.

Rabies cases rise in Kansas

The Kansas Department of Agriculture's Division of Animal Health has identified an increased number of rabies cases reported in Kansas this year. As of June 30, 69 cases of rabies have been confirmed in Kansas for 2015.

Rabies testing is performed by the Kansas State University Veterinary Diagnostic Laboratory, which confirmed only 69 positive cases in all of 2014. Of the 69 cases reported this year, 13 of them occurred in domestic animals including nine cattle and four cats. These numbers are expected to continue to rise through the end of the year.

Dr. Bill Brown, Kansas Animal Health Commissioner, urged Kansans to be alert. "Being observant of erratic behavior in wildlife or livestock is important," he said. "Pet owners are urged to follow best practices and vaccinate their pets to prevent this devastating disease."

Rabies is a preventable disease that is always deadly and can infect humans. To prevent the impact of the disease, it is important to vaccinate all animals that have regular human contact. This includes pets such as dogs, cats and ferrets, horses, and any livestock that has human contact or is of high value. If you are bitten by an animal, wash the wound immediately with soap and water, seek medical attention and report the bite to your local health or animal control department.

"It is important to remember that animals need periodic boosters of rabies vaccine throughout their life," said Dr. Ingrid Garrison, state public health veterinarian with the Kansas Department of Health and Environment. "Vaccinating animals against rabies not only protects our pets, but our families too."

In addition to vaccination, it is important to watch for signs of rabies such as changes in animal behavior. Common signs of rabies include wild animals acting unafraid of people, calm animals acting aggressive and hostile, inability to swallow, increased salivation, seizures and paralysis.

If you notice any animals exhibiting signs of rabies, keep your distance and contact animal control. In the case an animal has been exposed to rabies, contact your veterinarian for advice.

KDA DAH works to promote public health and safety by working with Kansas farmers and ranchers to protect animal health and ensure a safe food supply.

For additional information about animal health, visit <http://agriculture.ks.gov/animalhealth> For additional information about rabies, visit <http://www.ksvdl.org/rabies-laboratory/diagnostic-test/rabies-results/index.html> or www.kdheks.gov/epi/human_animal_health.htm

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Auction Sales Scheduled

check out the on-line schedule at www.grassandgrain.com

July 18 — Trucks, farm machinery & equipment near Lincoln for Mr. & Mrs. Richard Wolting. Auctioneers: Post Rock Auction.

July 18 — RV, vehicles, furniture, household & garage items at Hillsboro for Leonard & Linda Brown. Auctioneers: Van Schmidt Auction.

July 18 — Automobile, mobile home, coins, furniture, guns, glassware, collectibles, tools & misc. at Junction City for Stevens & Others. Auctioneers: Brown Real Estate & Auction Service, LLC.

July 18 — Antiques, collectibles, misc. equipment, mowers, motor home, shop & outdoor, grain bin & storage shed, wash house, appliances, furniture, household, collectible household at Marion for J.C. Ehrlich Trust. Auctioneers: Leppke Realty & Auction.

July 18 — Household, furniture, collectibles, appliances, organ, lawn & garden & more at Abilene for Floyd Edmunds Estate.

Auctioneers: Ron Shivers Realty & Auction Co.

July 18 — Farm & construction equipment, shop equipment & tools, outdoor & misc. items at Burlington. Auctioneers: Vaughn-Roth Auctions.

July 18 — Household, antiques, furniture at Abilene for Floyd Edmunds. Auctioneers: Ron Shivers.

July 18 — Equipment and supplies, van trailer at Belleville for Crouse Tire and Wheel. Auctioneers: Thummel Auctions.

July 18 — Skid loader, ATV, tools, collectibles, household, misc, firearms, hunting and fishing equipment at Lawrence for Danny Clouse Estate. Auctioneers: Elston Auctions.

July 19 — Trailer, tools, shop items, collectibles, furniture & misc. at Council Grove for Bud & Anita Thomas. Auctioneers: Hallgren Real Estate & Auctions, LLC.

July 22 — Tractors, combines, trucks, trailers, farm equipment of all kinds, lawn & garden & more online at (www.big

iron.com). Auctioneers: Stock Auction Co.

July 23 — Contractor equipment held at Hesston for Lowell & Cindi Roth. Auctioneers: Auction Specialists, LLC.

July 25 — Tractors, truck & farm machinery, furniture, household items at Burrton for Richard & Lorita Regier. Auctioneers: Van Schmidt Auction.

July 25 — Machinery, tractors, combines, platforms & corn heads, planters & drills, tillage tools, hay equipment, rotary cutters, construction pieces, lawn, garden & ATVs, grain, feed & material handling, sprayers & applicators, trucks, trailers, livestock

equipment at Paris, Missouri for July consignments. Auctioneers: Wheeler Auctions & Real Estate.

July 25 — Tractors & farm equipment near Haviland for Kansas Area UM Foundation, Inc. Auctioneers: Carr Auction and Real Estate, Inc.

July 25 — Real estate, trailers, tools, greenhouse equipment at Wamego for Mark Pope. Auctioneers: Murray Auctions.

July 25-26 — Heartland Winery & Vineyard Open House, the summer Kansas Grape Growers & Winemakers Association open house weekend.

July 26 — Gator, tractors, skid steer, equipment, collectibles, furniture, household & misc. at Lawrence for Larry & Dinah O'Connor. Auctioneers: Elston Auctions.

July 27 — Household, collectibles & tools at Concordia for Bernice Butler.

Auctioneers: Thummel Real Estate & Auction, LLC.

July 29 — Tractors, combines, trucks, trailers, farm equipment of all kinds, lawn & garden & more online at (www.bigiron.com). Auctioneers: Stock Auction Co.

July 30- Aug. 2 — Barn Quilt exhibit in the flower room in Armory building at the Central Kansas Free Fair, Abilene.

August 5 — Farm and industrial equipment consignment auction at Beattie. Auctioneers: Rottinghaus Equipment Auctions.

August 7 & 8 — Living Estate Sale at Clay Center for Phyllis Trautwein. Auctioneers: Avery Auctions.

August 8 — Machinery, tractors, clean line of hay equipment, stock trailer

and more north of Onaga for Calvin Clay. Auctioneers: Kocher's Auction Service.

August 15 — Household, antiques, furniture & tools at Abilene for Tom Berry. Auctioneers: Kenny Chamberlin.

August 20 — Antiques, collectibles, glassware, old publications, woodworking equipment, farm machinery, bulldozer at Minneapolis for Bob and Maxine Behrendt. Auctioneers: Bacon Auction.

September 7 — Chapman Labor Day Festival including a Barn Quilt walk and the Class of '77 Car Show, Chapman.

September 7 — 20th annual Labor Day auction at Lyndon. Auctioneers: Harley Gerdes Auctions.

K-State Beef Conference coming to Salina

What is your mindset when you wake up in the morning? What about after you've had your required amount of coffee? This year's K-State Beef Conference is an opportunity to learn from industry professionals and academia about adjusting your mindset. This may sound strange for the flagship program hosted by K-State Research and Extension. Instead of focusing on data sets and double-blind studies this year's program is decidedly focused more between the ears than on the hoof.

Rich Porter, an accomplished cattle rancher, will be the keynote speaker. Porter manages a substantial operation near Reading. Winner of the prestigious 2010 National Beef Stocker Award, Rich is no stranger to the in's and out's of managing a successful livestock business. His talk will focus on building and managing relationships; a welcome topic as many producers cite the difficulty of hiring and keeping effective workers as one of the greatest challenges to their operation.

Other topics on the speaking list are practical low-stress livestock handling methods and facility design techniques. Both of these subjects and year-round mineral supplementation will be presented by statewide specialists and professors on the K-State Beef Extension Team. This event will once again feature the town hall format. Show up with questions and take good notes as a speaker and producer question-and-answer session will take place following the final presentation.

All of this along with a delicious meal presented by American Ag Credit will take place Thursday, August 13, at 9:00 a.m. at American Ag Credit located at 925 West Magnolia Street in Salina, right by Menard's

and I-135. RSVP is requested by Tuesday, August 4 at 4:45 pm and a \$5 registration fee is payable at the door. To reserve your spot don't hesitate to contact the friendly folks at the Central Kansas District Extension office. They may be reached at 785-392-2147 or at anruiz@ksu.edu.

If you are a livestock producer within driving distance of Salina, don't miss the chance to learn from top-notch presenters and industry professionals. Come discuss how increased production, better management strategies, and enhanced business relationships begin with small adjustments to our perceptions.



ESTATE AUCTION
SATURDAY, JULY 18, 2015 — 9:00 AM
 786 East 800 Rd. — LAWRENCE, KS
From Lawrence south on Hwy 59 2 miles to Dg. 458 turn west 8 miles to Dg. 800 Rd., turn south 2 miles to Auction! Watch For Signs! Day of Auction Inspection ONLY!
SKID-LOADER, ATV & TOOLS, COLLECTIBLES, HOUSEHOLD & MISC., FIREARMS,
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See last week's Grass & Grain or Please visit us online at www.KansasAuctions.net/elston for pictures!
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TIRE STORE AUCTION
SATURDAY, JULY 18 — 9:00 AM
 Auction will be held at the store located on M Street just off Highway 81 and Marble Road in Belleville, Kansas

EQUIPMENT & SUPPLIES:
 Ingersoll Rand T30 air compressor; 2010 Coats 70x-EF-3 tire machine w/wheel lift; Coats XR1750 wheel balancer; Tire Matcher System 6000 w/attachments; Gemini GP9 2 post vehicle lift; Fleetline 22 ton model 53-391 air over hyd jack; floor jacks; Fire Power acc torch w/bottles; Skat Blast dry sand blaster; bench grinder on stand; tire tools; air hoses; several tire racks; heavy built wood stove; 8' wood work bench w/metal top; Bishman Permatronic II wheel alignment machine; portable power frame straightener; balancing compound for semi tires; Macpherson spring compressor; end wrenches; socket sets; drill bits; 1/2" electric drill; impact sockets; hand tools; kerosene heater; Dazon Loyet Diamond back scooter 2134 miles; new tubes & flaps; balance weights; valve stems; semi lug nuts; new tire chains (car & truck); new 8' light fixtures; 8 hanging lights; yard tools; wheel barrow; scaffolding; Weather King furnace; central air condenser.
LUFKIN 48' BOX SEMI VAN TRAILER

See last week's Grass & Grain for full listings & For pictures check our website at www.thummelauction.com. We are starting at 9:00 a.m., we will be finished close to noon
 Lunch by Landmark Church
CROUSE TIRE & WHEEL
 Auction Conducted By:
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AUCTION
MONDAY, JULY 27 — 4:00 PM
 Auction will be held at the National Guard Armory at the South edge of CONCORDIA, KANSAS

HOUSEHOLD, COLLECTABLES & TOOLS
 Lazboy blue divan; Lazboy recliner; drop front desk; Cosco high chair; child's desk; card tables; 4 metal trunks; assortment metal shelves; 2 drawer metal file cabinets; hassock fan; other fans; Fun cart; Kenmore sewing machine in case; very large assortment of new fabric (cotton, fleece, felt, flannel); poly fill; assortment yarn; Serger thread; sewing totes; 2 wool blankets; 50-60 ladies hats; assortment patterns many doll clothes; large assortment of new craft items, large amount of scrap booking supplies; glasses (Coke, Uncola, A & W, Snoopy, Smurf, other); wine & champagne glasses; figurines; assortment kitchen items; kitchen appliances; food dehydrator; canner; roaster; pressure cooker; picnic basket; large assortment canning jars; ice crusher; Pyrex; Tupperware; assortment cookie cutters; office supplies; stamp collection; candy molds; jello molds; large assortment cookie tins; assortment ribbon; picture frames; baskets; Gott coolers; assortment new wrapping paper; assortment wood décor; assortment new paper party items; new towels; ice cream maker; shopping cart; life jackets; luggage; sleeping bags; office supplies; Purple Martin bird house; bird feeders; Radio Town & Country wagon; Kodiak Bay ladies bike; 70's banana seat girls bike; assortment toys inc.: 100+ new Hot Wheels & Match Box cars; toy Military airplanes; Fisher Price;

assortment of other toys; games; puzzles; assortment new Barbie dolls & clothes; Sunshine dolls; Boyd doll collection (Yesterday Child) new in box; Lego Tony The Tiger; Beanie Babies inc.: Princess Di; records; assortment books; outdoor games; 1970's car tags; Snapper HiVac lawn mower; assortment hand tools; garden items; work bench; Workmate; 5' aluminum step ladder; aluminum extension ladder; assortment extension cords; garden carts; 5 tooth tiller; new fire pit; forks; shovels; hoes; spades; potato fork; gas cans; bench grinder; lawn chairs; roll 12-2 wire; soaker hose; corner tool tower; edging; T posts; assortment of other items.

Note: For pictures check our web site at www.thummelauction.com. Bernice has a large amount of everything listed. Most of the items are new.
BERNICE BUTLER
 Auction Conducted By: **THUMMEL REAL ESTATE & AUCTION LLC**
 785-738-0067 or 785-738-5933

FARM EQUIPMENT AUCTION
SATURDAY, JULY 25 — 10:00 AM
SELLERS: KS AREA UM FOUNDATION, INC.
 LOCATION: From Belpre, KS - Go 7 mi. S & 2 mi. E; Or from Haviland, KS - Go 14 mi. N, 1/2 mi. E, 1 mi. N & 2 mi. E. (2912 R. Rd, Haviland, KS 67059)
AUCTIONEER'S NOTE: There are no small items, please be on time. This sale will take less than 1 hour.

TRACTORS & FARM EQPT: '13 JD 8360R MFWA Tractor, GPS Ready, IVT & ILS, Only 970 Hrs., Fully Equipped Including Front & Rear Duals, Wts., 3-Pt., Quick Hitch & 5 Hyd. Remotes; '11 JD 8360R MFWA Tractor, GPS Ready, IVT & ILS, 1965 Hrs., Fully Equipped Including Front & Rear Duals, Wts., 3-Pt., Quick Hitch & 5 Hyd. Remotes; '13 Great Plains 40' Fldg. Grain Drill w/Liquid Fert. Set-Up, 550-Gal. Tank, 7 1/2" Spcg, Like New; '07 Avalanche M.1394 Grain Cart, 1300-Bu., Exc. Cond.; JD 2010 M.1770-NT 24-Row Planter w/Liquid Fert. Set-Up, 700-Gal. Tank, Hyd. Driven Fert. Pump, Variable Rate Drive w/Auto Row Shut-Off Every (2) Rows, CCS Seed Delivery, Groff Row Cleaners, Exc. Cond.; '13 JD M.635 FD Header, Flex Draper, Self-Adj., Like New; '13 JD Corn Head, M.612C, Exc. Cond.; '10 Landoll 35' Disc, Like New w/Hyd. Packer Hitch; '02 35' Sunflower Disc w/Hyd. Packer Hitch; 35' Sunflower Fallowmaster w/27" Sweeps; 35' Sterling Packers, Hyd. Fold; Sunflower M. 4212 19' & 16' Mulch Rippers; 35' Sunflower M.3672 Undercutter w/Pickers & Plastic Bushings, Very Good Cond.; 9-Shank Orthman Ripper, 3-Pt.; (2) 9-Shank Dammer Dikers, 3-Pt.; 9-Row Anhyd. Applicator, 3-Pt.

Through the generous donation of Clinton and Bonnie Russell's farm equipment, funds received through the auction will be invested with the Kansas Area United Methodist Foundation, Inc. to establish a life income plan that will benefit the Russell's presently while leaving a lasting legacy. - www.kaumf.org
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- Jacob Humbolt, 316-393-2278, Belle Plaine, KS 67013: '07 JD 750J LT Crawler Dozer.
- Mears Fertilizer, Inc., Cliff Hedrick, 316-322-5851 & 316-321-3674, El Dorado, KS 67042: '08 Yale GLC040SVXNUSE082 Propane Forklift.
- Melody Games, 502-229-6688, Big Iron Sales Rep
- Jake Sand, 785-224-7302, Overbrook, KS 66524: '89 JD 3155 FWA Tractor.
- Bob Eichenberger, 785-229-5892, Big Iron Sales Rep
- Bloom Construction, Dave Bloom, 785-632-7276 & 785-632-3878, Clay Center, KS 67432: '92 Gormaco GT 6200 Curb Machine; '76 Gallion 125 Hydraulic Crane.
- Tim Zinger, 785-556-8960, Washington, KS 66968: '04 JD 567 Round Baler.
- Larry & Tina Samuelson, 785-556-1222, Big Iron Sales Rep
- Straub International, Dave Tremain, 620-617-0374, Great Bend, KS 67530: '12 New Holland BR7090 Round Baler; '05 Case International 1200 Planter.
- Dennis Unruh, 620-386-0503, Big Iron Sales Rep
- Victory Electric Cooperative Assn. Inc., Mike Clark - 620-371-7719, Dodge City, KS 67801: '08 Knapheide KC96U1478J KUV Box Bed; '08 Chevrolet 3/4 Ton Pickup Bed; '08 Chevrolet 3/4 Ton 8' Pickup Bed; '02 Chevrolet 3/4 Ton 8' Pickup Bed; '01 Ford F-250 Super Duty 8' Pickup Bed; '04 GMC 3500 Flat-bed Pickup; '05 Chevrolet Silverado 2500 Cab and Chassis; '91 Butler BRHD-1000 Extendable Pole Trailer.
- Todd Hubbard, 620-271-3656, Big Iron Sales Rep

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Have you ever been driving a set of pasture cattle down the lane? Then you notice them stringing out longer and longer, drifting over into the ditches along

the side 'til pretty soon you're a half mile ahead of the lead steer.

You look back at the feller you put ridin' drag. Over the backs of the wan-

derin' herd, through the dusty haze, there he is. He's got his two-year-old brown gelding spinning in a tight circle to the right. The colt's head is pulled to the inside, butt down and tail tucked in. Then the colt's nose is pulled down against his chest and he's backin' up in quick steps. Suddenly the horse and rider burst forward like Custer's charge and reach a gallop within a few strides! He leans all the way back. The colt's whole body tips back, head up, front hooves locked straight. The hind legs stiffen and

reach plum under the head. He sticks his butt nearly to the ground and skids to a sliding stop.

The cowboy pauses, pats ol' Brown and gazes off, listening to the thunderous applause of the imaginary crowd.

"You crazy two-legged mare-ridin' maniac! Get those cattle up here!"

Every outfit's got a feller who hired on to cowboy and get another fifty a month to ride a couple of colts. The better they seem to be with horses, the more their attention seems to wander work-

ing cattle. They can't help it. It's in their blood. They march to a different drummer, those boys. Some of 'em are so good with horses it's hard to believe they can't read each other's mind.

Most of 'em dream of makin' a livin' training horses.

The pinnacle of achievement, the World Series, Super Bowl and National Finals of horse training is the Snaffle Bit Futurity held in Reno every September.

It's one of the most beautiful sights you'll ever set your eyes on. Even the

grouchiest, grumblin' feedlot foreman gets a little twinge to see man and horse perform as one. Ears twitchin', nostrils flarin', rommalls, bosalls, braided macardies, rawhide, muscles ripplin', eyes alert, horse hair, silver, mane and tail.

If this sounds like a tribute to that strange breed of cowboy who'd feel more at home on the back of a spinnin', nervous colt than on the dance floor at Schroeder Hall, I guess it is.

They say there's a place for everything.

Hay bale heaven: move bales faster with less labor and equipment

Whether farmers and ranchers are hauling hay bales to storage or moving them to pasture to feed cattle in winter, how efficiently they do so has a big impact on productivity and profits.

While conventional hay trailers have been around for a hundred years, a new generation of self-loading/unloading trailer will offer a sort of hay bale heaven, enabling farmers and ranchers to move bales faster with less labor and equipment. The technology, in fact, promises to reduce hay waste as well as improve productivity and profits for years to come.

Reduce Hay Waste

Until recently, "bad side" hay waste has been a costly, unavoidable expense to farmers and ranchers, caused in part by a production equipment bottleneck that leaves bales exposed to moisture in the field.

When baled hay sits in the field for days or weeks before it is hauled to storage, the bottom picks up moisture and mildew, creating an inedible "bad side" that's wasted. The longer baled hay sits before it is moved, the more becomes unusable.

Most ranchers do not realize how much money is lost as a result of these bad spots. But consider this scenario: If a rancher has 300

head of cattle, he will need about three bales per head for the winter, which adds up to approximately 1,000 bales. If 10% is wasted and the bales average 1,000 lbs. each, that is 100,000 lbs. of hay wasted.

If a rancher uses the right type of hay hauling equipment to minimize this type of waste, at \$40 per bale that is \$4,000 or 100 bales per year he does not need to buy or produce.

One way to accomplish this is with the latest generation of self-loading/unloading trailers. Unlike conventional hay trailers that must be loaded and unloaded with a tractor, this type of trailer utilizes hydraulic controls to lift bales and set them down where needed. Because the rails slide under the bales, even old and misshapen bales can be lifted and transported with no further damage.

This speeds the loading, transporting and then unloading of bales to storage areas or to remote fields. Better yet, some models can be hitched to a standard pickup truck, not just a tractor. This is a benefit as tractors are often already being used for more critical operations such as baling therefore are not readily available.

"With a hay trailer, you've got to pick up the

bales with a tractor to load and unload it," says Edwin McLerran, who raises about 150 cows and grows about 1,200 bales of hay a year on his property and rental property in Quincy, Mo. "When the tractor needs to be used elsewhere, the bales are going to stay in the field."

"With a GoBob self-loading/unloading trailer, I'm hauling in the bales without a tractor in half the time," says McLerran. "That means I can get the bales out to the field faster. Using my pickup truck, I just back up the trailer with my pickup, unload the bales in rows then get another load. I save more time not having to unload the trailer with a tractor." GoBob Pipe and Steel (www.gobobpipe.com) is a vendor of hay trailers, feeders, fencing, pipe and guards for farmers and ranchers.

If the development of a "bad side" to a bale is unavoidable, then creating two bad sides on the same bale is twice as wasteful. Since conventional hay trailers "dump" the hay while unloading, causing the bales to roll, they seldom end up on the original bad side. Therefore additional waste is created, even in well-prepared, uncovered storage lots.

Self-loading/unloading trailers do not roll the bales

off to unload. For instance, a new trailer slated to be released by GoBob this summer, called the Bale Beast, picks up bales and can set them straight down where needed. Only the original side ever contacts the ground so no new bad sides are created.

Winter Feeding

While loading, moving, and unloading an entire trailer is efficient when bringing the hay bales in for storage, it is not when feeding cattle in winter. Because cattle are usually scattered in different pastures at this time, only a bale or two is usually placed in each location to prevent waste. With conventional hay trailers, however, the entire load must be dumped all at once.

Ranchers have traditionally dealt with this issue by making excessive trips from the hay lot to the pasture, taking one or two bales at a time with a tractor or a pickup equipped with a special hay bed. But more trips to the fields requires more time, fuel, wear and tear, plus soil compaction, which reduces forage growth for later feeding.

To avoid this problem, self-loading/unloading trailers such as the GoBob Bale Beast allow a rancher to make a trip with up to ten bales, unloading a single bale or as many as neces-

sary at a time.

Based on feedback from ranchers, the new trailer has an additional design modification that allows it to be loaded from the front or the back. Conventional hay trailers only load or unload from the back, which is more difficult and time-consuming.

While tractors are equipped with hydraulics, most pickup trucks are not unless they already have a bale bed. To make the benefits of this new generation of self-loading/unloading trailers more widely available, some like GoBob, offer portable hydraulics for use with pickup trucks.

Built Farm-Tough

Because hay trailers are pulled over rough terrain, including areas with ruts, berms, or potholes, carrying very heavy loads, the trailer itself must be built to withstand the abuse.

For farmers and ranchers that move a large quantity of heavy bales each year, that means purchasing a heavy-duty trailer. Trailers in this class, for instance, include the GoBob Red Rhino, which uses reinforced steel and can haul ten bales, or the Red Ox, which is even stouter and built to handle 2,500 lbs. silage bales.

"We have to go over some rough ground in the pastures with ruts and potholes,

and I can't risk breakdowns when there is hay to be hauled in," says Wade Penn, who moves about 5,000 hay bales a year for 650 head of cattle on his 5,000 acre Cross B Ranch in Byars, Okla.

"In the five years we've used GoBob Red Rhino and Red Ox hay trailers, we haven't had a single problem with them and they have performed well for us," adds Penn. "In fact, the first year when everyone told us it would take a week to haul in 4,500 bales from the fields, we moved the bales in a weekend."

A new entry into the heavy-duty hay trailer class is the double-wide trailer, which has recently been allowed on public roads. Some of these, like the GoBob Better Built Double Wide, can hold up to 14 bales and come with double jacks and a breakaway kit for safety.

When hauling fewer than 500 bales a year, farmers and ranchers may want to look for a hay trailer that's built to be cost-effective, yet reliable, such as the GoBob Competitor, so named because of its competitive price.

Whether farmers and ranchers take advantage of next generation self-loading/unloading hay trailers to improve their productivity, or rely on the most reliable methods to move bales with the least downtime, it is time to reexamine how they operate to get the best results.

For more info, call 1-866-532-9123 or visit www.gobobpipe.com

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Making people laugh is heart of rodeo clown's job

Watch out Abilene, Matt Merritt is bringing the funnies to the rodeo!

Rodeo clown Matt Merritt will be at the Wild Bill Hickok Rodeo July 29 through August 1 to bring smiles to the faces of the rodeo fans!

The North Carolina man loves entertaining crowds and does it with a fresh perspective. His acts aren't scripted but "from the hip," he says. "I treat my job like a morning DJ," he said. "I try to have new material every day, like Jay Leno." Anything is game for Merritt to use: he'll turn "National Hug A Plumber Day," into a skit,

and find material that anyone in the crowd, ages eight to eighty, can relate to. "I like to stay in the arena and be a part of the rodeo" he said. "My job is to fill dead air and it doesn't do much good if I'm not in the arena."

Merritt loves having fun at his job, and it's contagious for the fans. "If we're really having fun," he said, "it's impossible for the audience not to have fun. They don't have a choice but to go along with you."

Merritt also realizes the importance of his job as rodeo clown and entertainment. "I learned this as a person who went to concerts



Rodeo Clown Matt Merritt will entertain audiences at the Wild Bill Hickok Rodeo in Abilene July 29-Aug. 1.

and baseball games. The more they try to make you feel like part of the show, and the more comfortable you are, the more you'll appreciate the money you spent on that ticket."

He's also been on the silver screen, having made a brief appearance in the movie *The Longest Ride*. He shows up in the very beginning of the movie as the clown in the rodeo arena. "It's my fifteen seconds of fame," he joked.

He loves entertaining. "I love to see people happy. For a little bit of time, they're not worried about their bills or their sick aunt."

Matt Merritt will entertain during each night of the Wild Bill Hickok Rodeo in Abilene July 29 through August 1. Shows start at 7:30 pm each night, and tickets can be purchased at West's Country Mart and Rittel's Western Wear in Abilene, online at CKFF.net, at the fair office, and at the gate. Ticket prices are \$10 in advance and \$13 at the gate, and \$7 for kids ages 4-10. Kids ages 4 and under are free. For more information, visit the rodeo's website at WildBillHickokRodeo.com or call the Central Kansas Free Fair office at 785-263-4570.

Visit a county fair near you this summer

Ottawa County Fair- 07/14-07/18, Minneapolis
Stafford County Fair- 07/15-07/18, Stafford County Fairgrounds
Clay County Fair- 07/15-07/19, Clay Center
McPherson County Fair- 07/15-07/19, Canton
Ness County Fair- 07/15-07/19
Washington County Fair- 07/15-07/19, Washington
Franklin County Fair- 07/16-07/18, Ottawa
Ford County Fair- 07/16-07/20, Dodge City
Hodgeman County Fair- 07/16-07/20, Jetmore
Smith County Free Fair- 07/16-07/20, Smith Center
Elk County 4-H Fair- 07/18-07/20, Howard Fairgrounds
Kiowa County Fair- 07/18-07/23, Greensburg
Bourbon County Fair-

07/18-07/25, Fort Scott
Grant County Fair- 07/18-07/25
Miami County Fair- 07/18-07/25, Paola
Norton County Fair- 07/18-07/25, Norton County Fairgrounds
Geary County Free Fair- 07/19-07/23, Junction City
Gray County Fair - 07/20-07/23
Doniphan County Fair- 07/20-07/24, Troy
Meade County Fair- 07/20-07/24, Meade
Rawlins County Fair- 07/20-07/24, Atwood
Sheridan County Fair- 07/20-07/25, Hoxie
Labette County Fair- 07/20-07/25, Oswego
Russell County Free Fair- 07/21-07/24, Russell
Cloud County Fair - 07/21-07/25, Concordia
Marion County Fair-

07/21-07/25, Hillsboro
Wyandotte County Fair- 07/21-07/25, Kansas City
Coffey County Fair- 07/22-07/25, Burlington
Lane County Fair - 07/22-07/25, Dighton
Lincoln County Fair- 07/22-07/25
Pawnee County Fair- 07/22-07/25, Larned
Pratt County Fair- 07/22-07/25, Pratt County Fairgrounds
Scott County Fair- 07/22-07/25
Finney County Fair- 07/22-07/26
Reno County Fair- 07/22-07/27
Wilson County Fair- 07/22-07/27, Fredonia
Barber County Fair- 07/23-07/26, Hardtner
Clark County Fair- 07/23-07/26, Ashland
Nemaha County 4-H Fair-

07/23-07/26, Seneca
Kingman County Fair- 07/23-07/27
Neosho County Fair- 07/23-07/27, Erie
Osborne County Fair- 07/23-07/27, Osborne
Riley County Fair- 07/23-07/27, Manhattan
Greenwood County Fair- 07/24-07/27, Eureka
McPherson County 4-H Fair- 07/24-07/27, McPherson
Montgomery County 4-H Fair- 07/24-07/27, Independence
Morris County Fair- 07/24-07/27, Council Grove
Phillips County Fair- 07/24-07/28, Phillipsburg
Stanton County Fair- 07/24-07/28
Wabaunsee County Fair- 07/24-07/28, Alma
Allen County Fair- 07/24-08/01, Iola
Hamilton County Fair-

07/25-08/02
Chase County Fair- 07/26-07/30, Swope Park, Cottonwood Falls
Butler County Fair- 07/26-07/31, El Dorado
Haskell County Fair- 07/26-08/01, Sublette
Gove County Fair- 07/27-07/29, Gove County Fairgrounds
Graham County Fair- 07/27-07/29
Jackson County Fair- 07/27-07/31, Holton
Douglas County Fair- 07/27-08/01, Lawrence
Johnson County Fair- 07/27-08/01, Gardner
Stevens County Fair- 07/27-08/01, Hugoton
Thomas County Fair- 07/27-08/01, Thomas County Fairgrounds
Wallace County Fair- 07/27-08/01, Sharon Springs
Leavenworth County

Fair- 07/28-08/01, Tonganoxie
Republic County (NCK Free Fair)- 07/28-08/01 Belleville
Trego County Fair- 07/28-08/02, WaKeeney
Crawford County Fair- 07/29-08/01, Girard
Greeley County Fair- 07/29-08/01
Rush County Fair- 07/29-08/01
Wichita County Fair- 07/29-08/01, Leoti
Pottawatomie County Fair- 07/29-08/02, Onaga
Dickinson County Fair (Central KS Free Fair)- 07/29-08/03, Abilene
Franklin County Fair- 07/30-07/31, Lane
Shawnee County Fair- 07/30-08/02, Topeka
Cowley County Fair- 07/30-08/03, Winfield

Continued on page 19

Ottawa County Fair July 14-18

Country Pride, County Wide is the theme for the Ottawa County Fair to be held July 14-18. The FFA welding/ag mechanics entries will be judged at 2 on Tuesday, July 14. The livestock shows will begin at 10 a.m. on Wednesday with the swine show followed by sheep and goats. The 4-H bucket calf, beef, heifers and steers will show at 5:30. The 4-H horse show will begin at 8 a.m. Thursday for classes 1-24. Classes 25-39 will begin at 7 p.m. The 4-H/FFA round robin showmanship contest will start at 3 p.m. Friday and the 4-H FFA premium auction and project auction will be held that evening at 7.

Other activities at the fair include a plowing exhibition south of the fairgrounds from 9-noon on Tuesday, July 14 and antique appraisals in the fair tent from 9-11. The fair parade will be held that evening at 6 with an antique tractor show immediately following. That evening there will be a co-ed ranch rodeo at 8 as well as a concert by The Browns, also at 8. There will be an ice cream social sponsored by American Ag Credit at 6 p.m. Wednesday and a kids

pedal tractor pull at 6:30 on Thursday. On Friday morning, registration for Ag Olympics will begin at 9:15 a.m. with the events beginning at 9:30. There will also be a nightly carnival.

Washington County Fair July 15-18

Make your way to Washington July 15-18 for the county fair! The 4-H horse show will be held Wednesday, July 15 at 8 a.m., and the swine show will finish the day at 7. The dairy show will begin at noon on Thursday with the bucket calf and beef show starting at 5:30 p.m. Stick around for the carnival at 6 and team roping at 7. On Friday the rabbit show will begin at 8 a.m. The parade will be at 6:30, followed by a pedal pull at 7. Farm Bureau will host a watermelon feed at 6:30 and there will be steer mugging at 7. The carnival starts at 6 and you won't want to miss the concert by Repeat Offenders at 9. The livestock sale will begin at noon on Saturday and there will be plenty of laughs to be had at the Barnyard Olympics. KLA and Cattlewomen of Washington County will host a ribeye meal at 5:30 on the fairgrounds. The carnival starts at 6 and the Peterson Brothers will perform at 8.

For more details visit www.countyfairgrounds.org.

Clay County Free Fair July 15-19

July 15-19 are the dates for the Clay County Free Fair. The livestock exhibits will arrive Wednesday morning, July 15 and that evening the swine judging will begin at 6. The rodeo featuring Freedom Riders will begin at 8. The 4-H and FFA horse show will be held at 9 a.m. at Orrin Hogan Arena and the rodeo arena. The meat goat judging will be held that afternoon at 4 followed by the sheep judging at 6. The rodeo will be held again at 8.

The dairy cattle judging will begin at 1 Friday afternoon, with the dairy goat judging to follow. Bucket calf interviews will be held at 3 in Orrin Hogan Arena with bucket calf showmanship following at 5. The beef judging will begin at 6. Three-quarter midget and pickup truck races will be held at the grandstand at 7:30.

Kicking off Saturday morning activities will be the round robin showmanship contest at 8:30 a.m. and the 4-H/FFA livestock judging contest will begin at 10. There will be a kiddie tractor pull at 1. The 4-H and

FFA livestock auction will begin at 6. There will be a demolition derby beginning at 7 at the grandstand.

A cowboy church service will be held at 9 Sunday morning.

Great Plains Amusements will have a carnival Thursday through Saturday nights.

Morris County Fair July 18-27

"Sew It, Grow It, Show It" is the theme for the Morris County Fair July 18-27 in Council Grove. The 4-H and open class horse show will be held Thursday, July 23 at 8:30 a.m. The swine will enter the ring on Saturday at 9:30 a.m. and the dairy cattle will be judged at 4. The bucket calf show will begin at 5:30 with the beef show following at 6. The sheep show will be held on Sunday at 5 p.m. followed by the meat goat show. Livestock showing skills will be on display at the round robin showmanship contest at 9 a.m. Monday and there will be a livestock judging contest at noon. Barnyard Olympics will be held at 3 p.m. and there will be a Buyer's Appreciation meal at 6 p.m. followed by the awards presentation at 7 and the livestock sale at 7:30.

Geary County Free Fair July 20-23

There's plenty of fun to be had at the Geary County Free Fair July 20-23 in Junction City. But leading up to the fair will be the 22nd annual Junction City Rodeo Friday and Saturday, July 17 and 18 featuring rodeo clown Danny Munsell and the specialty act of Whistle Nut and Ole. Kids events will include a boot scramble, mutton bustin', Jr. barrel racing, and mini bull riding. Tickets are available at Orscheln's Farm and Home in Junction City and Rittel's Western Wear in Abilene. Getting the shows started will be the horses at 7 p.m. on Monday, July 20. The dairy and goat show will be held Tuesday at 4 p.m. The bucket calf and beef show will be held at 7. The shepherd's lead event will be held Wednesday at 5:30 followed by the sheep show at 6 and the swine show at 7:30. The livestock showmanship contest will be held at 9 a.m. Thursday and the project auction will take place at 7 p.m. A pedal pull will be held Monday, July 20 with sign-up at 6:30 and the pull starting at 7. There will also be homemade ice cream, horse-drawn carriage rides, inflatables, an outdoor movie and so much more.

take place at 7:30 p.m. on Wednesday, July 22. Thursday will see the sheep enter the ring at 9 a.m. and the meat goat show will follow immediately. The bucket calf judging will be held at 5:30 followed by the calf/beef show. Friday morning is dairy's turn with the goats getting things started at 8 and the cattle to follow. The round robin will be held at 12:30 and the project auction will begin at 6:30. There will be a 4-H ice cream social from 7:30-9:30 and a dance from 9-11. The Van De Creek Pedal Pull will be at 7 p.m. on Wednesday, July 22. The Kraft Rodeo will start at 8 on Wednesday and Thursday. There will be a truck and antique tractor pull at 7 on Friday evening. The parade will take place Saturday at 10 and there will be inflatables from 11-3. Try your skills on the mechanical bull from 12-3 p.m. The demolition derby will run at 7 p.m. on Saturday.

Riley County Fair July 23-27

A year's worth of work all comes together for Riley County 4-H'ers at the fair July 23-27 at Cico Park in Manhattan. The Parade on Poyntz will get everyone in the fair spirit at 6 p.m. on Thursday, July 23. The pedal tractor pull will be held at 7:30 in Hurlburt Arena. The shepherd's lead and sheep show will be held at 7 p.m. on Friday. Saturday will be a full day of livestock shows, with dairy at 8 a.m., bucket calves at 8:30, dairy goats at 10 followed by meat goats and swine at 7 p.m. The 4-H livestock judging contest will begin at 1 on Sunday and the beef judging will be at 6:30 p.m. The swine round robin starts at 9:30 on Monday followed by the round robin showmanship contest at 10. 4-H livestock sale will be at 7 p.m. The Kaw Valley Rodeo will be held Thursday, Friday and Saturday at 8 p.m. at Wells Arena. There will also be a carnival by Ottaway Amusement Company Thursday through Monday beginning at 6 p.m.

Lincoln County Fair July 22-25

The fairgrounds at Sylvan Grove will be bustling with activity July 22-25 as the Lincoln County Fair gets under way. Competitions kick off Wednesday, July 22 with the 4-H and open class horse show at 8 a.m. That evening from 5-7 all the livestock will be checked in at 8 a.m. Thursday with judging beginning at 10. 4-H horticulture and crops judging will start at 11. The 4-H bucket calf judging and showmanship, second-year bucket calf, market steer/heifers and breeding heifers judging will begin at 4:30. An ice cream sandwich social, sponsored by Bennington State Bank will be held from 5:30-6:30 p.m. At 7 p.m., Mitch Gallagher will take the grandstand stage for a concert. At 9 p.m. the Sylvan Senior Center will host Bingo.

Swine judging will begin at 8 a.m. Friday, followed by sheep and goats. At 1 p.m. the livestock judging contest will begin and the BBQ contest judging will take place at 4:30 followed by the Cattlemen's BBQ Supper at 5. There will be a youth tractor pull at 6 p.m. followed by a ranch rodeo at 7 and Bingo at 9.

The round robin showmanship contest will begin at 9:30 a.m. on Saturday and the 4-H project sale will start at 4:30. There will be a demolition derby beginning at 7:30 p.m. followed by Bingo and fireworks.

There will be inflatables each night with \$5 wristbands available and laser tag Thursday, Friday and Saturday at 7 p.m. at the softball field.

Wabaunsee County Fair July 24-28

July 24-28 are the dates for the Wabaunsee County Fair in Alma. The horse show will begin at 5 p.m. on Friday, July 24 at the Mill Creek Cowboys Arena. A beef BBQ will be held from 5-8 p.m. on Saturday with the King and Queen crowning taking place at 5:45 followed by the bucket calf show, beef show, and beef alumni showmanship. A cowboy worship service will be held at 9 a.m. Sunday and the livestock judging contest will begin at 11. There will be a pork BBQ from 5-8 p.m. and the parade will be held downtown at 6. Wabaunsee County Farm Bureau will sponsor a safety demonstration west of New Life Bible Church at 7:40 and there will be a pedal pull at 8 as well as a junior rodeo. Monday morning will feature the sheep show at 9 followed by the dairy cattle, dairy goat, and meat goat shows. The swine show will be held at 7 p.m. The round robin showmanship contest will take place at 4:30 on Tuesday and the livestock sale will begin at 7:30.

Marion County Fair July 22-25

Head to Hillsboro July 22-25 for the 85th annual Marion County Fair. Blue Jeans and Country Dreams is the theme for this year's fair, which is jam-packed with activities for young and old. The swine show will



July 26 ~ August 1, 2015

Gardner, Kansas

www.jocokansasfair.com

MAIN EVENTS	FREE EVENTS
<p>MONDAY, JULY 27 Rodeo Queen Coronation6:45 pm OPEN YOUTH RODEO7:00 pm Admissions: 5 and under Free • 6-12 \$3.00 • 13 & over \$7.00</p> <p>TUESDAY, JULY 28 See www.jocokansasfair.com for details Pedal Pull Check-in 5:30 pm • Pedal Pull Begins 6:30 pm **FREE TO WATCH & FREE TO PARTICIPATE** Location: Livestock Show Arena</p> <p>NIGHT OF FUN & CHALLENGE Mutton Bustin' Entries (Accepted at Ticket Booth - Limit 50 Contestants) 6:30 pm - 7:30 pm Mutton Bustin', Calf Scramble, Greased Pig Contest8:00 pm Admissions: 12 and under Free • 13 & over \$2.00</p> <p>WEDNESDAY, JULY 29 TOUCH-A-TRUCK (Free Admission) 7:00 pm Explore Your Favorite Things on Wheels!</p> <p>THURSDAY, JULY 30 AMATEUR FLAT TRACK RACING • Hot Laps.....6:00 pm • Race..... 7:00 pm Admissions: 5 and under Free • 6-12 \$6.00 • 13 & over \$12.00 Presented by Kansas All Terrain Vehicle Association - www.katva.org</p> <p>FRIDAY, JULY 31 RANCH RODEO7:00 pm • 12 teams compete in Sorting, Doctoring, Mugging, Trailer Loading Admission: 5 and under Free • 6-12 \$6.00 • 13 & over \$12.00</p> <p>SATURDAY, AUGUST 1 PARADE "Favorite Fair e Tales"10:30 am MARKET ANIMAL & PROJECT AUCTION.....1:00 pm DEMOLITION DERBY.....7:00 pm</p>	<p>SUNDAY, JULY 26 • ARBA Rabbit Show8:00 am • Dog Show: • Showmanship/Obedience...4:30 pm</p> <p>MONDAY, JULY 27 • Dog Show: Rally 02:30 pm • Agility5:00 pm</p> <p>TUESDAY, JULY 28 • Horse Show9:00 am • 4-H/Open Food Auction7:00 pm • Pedal Pull.....6:30 pm</p> <p>WEDNESDAY, JULY 29 • Livestock arrive by 10:00 am • Horse Show (cont.)9:00 am • Dairy Goat Show12:00 pm • Swine Show.....6:00 pm • Goat Milking Demonstration6:30 pm • Rabbit Show7:00 pm</p> <p>THURSDAY, JULY 30 • Public Presentations.....9:00 am • Rabbit Show9:00 am • Horse Judging10:00 am • Beef Grooming Contest.....10:00 am • Meat Goat Show1:00 pm • Bucket Calf Show5:00 pm • Sheep Show6:00 pm • Goat Milking Demonstration6:30 pm</p> <p>FRIDAY, JULY 31 • Senior Citizen Day - Building open from 9-10 am for Senior Citizens only! • Beef Show8:00 am • Livestock Judging Contest .2:00 pm • Chasing Memories (Special Needs Livestock Show) ..5 pm • Pie Contest6:00 pm • Goat Milking Demonstration6:30 pm • Showmanship Contest.....7:00 pm • Chain Saw Art Auction8:00 pm • Barnyard Olympics8:00 pm</p> <p>SATURDAY, AUGUST 1 • Buildings open after Parade ends! • Parade (Main Street).....10:30 am • 4-H/FFA Animal & Project Sale1 pm • Goat Milking Demonstration.....6:30 pm</p> <p>• No pets, skateboards, bicycles, weapons or alcoholic beverages permitted on fairgrounds.</p>
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> MIDWAY STAGE FREE </div>	
<p>TUESDAY, JULY 28 4-H & Open Class Food Auction 7:00 pm KC Dixieland Band8:15 pm</p> <p>WEDNESDAY, JULY 29 Leigh's School of Dance6:15 pm State Line Drive Band.....8:30 pm</p> <p>THURSDAY, JULY 30 Docey Dandies Square Dance Club6:30 pm</p> <p>FRIDAY, JULY 31 Six Appeal (A Cappella group) .7:30 pm Check them out at http://sixappealvocalband.com</p> <p>SATURDAY, AUGUST 1 TBA 8:15 pm</p> <p>SUNDAY, AUGUST 2 Church Service8:00 am</p>	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> GRANDPA'S BARN FREE TUES THRU SAT WE'VE MOVED! Find us by the Grange Bldg. Chain Saw Artist, Keith Gregory WEDNESDAY - THURSDAY - FRIDAY AUCTION ON FRIDAY, 8:00 PM Online Auction by Purple Wave Auction Company at www.purplewave.com </div>	




Admission: \$12 all tickets (Rain Date Aug. 8)
No coolers or stroller allowed in arena bleachers.

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Tues Only - Arm Bands are \$18.00 with 2 canned goods
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SATURDAY - Opens at 4 p.m.
Please Note: Single Tickets are available every night

Advance Derby Tickets See www.jocokansasfair.com for ticket outlets and advance ticket information

Douglas County Fair July 24-August 2

"One Great County, One Great Fair," that's what you'll find at the Douglas County Fair in Lawrence July 24-August 2. A jackpot barrel racing competition will get things rolling on Friday, July 24 at 7 p.m. at the Community Building. The 4-H horse show will begin at 9 a.m. on Saturday and the open class horse show will begin at 9 a.m. Sunday. On Tuesday at 5 p.m. will be the 4-H and open class dairy goat and meat goat show. There will be a llama show Wednesday at 8:30 a.m. and the dairy show at 11. The swine show will be held at 5. The livestock judging contest will be held at 1 on Thursday and the sheep show will begin at 6. Friday's judging will include bucket calf at 8:30 followed by the beef show. The round robin showmanship classic final will be at 9 a.m. Saturday. Other entertainment throughout the fair includes music by Arnie Johnson and the Midnight Special Tuesday evening at 7, Loozin' Sleep Wednesday at 7, SELLOUT Thursday at 7 and the James Webster Band Saturday at 7. There will be a demolition derby Friday night at 7:30 and a lawn mower demo derby Saturday at 6:30.

Johnson County Fair July 26-August 1

For a week full of family-friendly activities, the Johnson County Fair is the place to be July 26-August 1 in Gardner. On Tuesday, July 28, the horse show will begin at 9 a.m. The horse show continues on Wednesday at 9 a.m., with the goat show following at noon, the swine show at 6, a goat milking demonstration at 6:30 and the rabbit show at 7. Thursday will be a day full of livestock shows, with the rabbits at 9, horse judging and beef grooming contest at 10 and the meat goat show at 1. The bucket calf show will be at 5 with the sheep show at 6 and a goat milking demonstration at 6:30. The beef show will kick things off Friday morning at 8 and the livestock judging contest will be held at 2. Chasing Memories, a special needs livestock show, will be held at 5 p.m. The showmanship contest will be at 7 followed by the barnyard Olympics at 8. There will be a fair parade on Main Street Saturday at 10:30 a.m. and the 4-H/FFA animal and project sale will begin at 1. Other events for the week include an open youth rodeo at 7 p.m. Monday, July 27, a pedal pull at 6:30 along with a Night of Fun and Challenge to include mutton bustin', calf scramble and greased pig contest at 8. A Touch-A-Truck event is planned for Wednesday at 7 and there will be amateur flat track racing Thursday at 7. A ranch rodeo will be held on Friday at 7 and a demolition derby will be held Saturday at 7 p.m. The Southwest Dairy Farmers Mobile Dairy Classroom will be set up at the Johnson County Farm Bureau Association booth area with several demonstrations scheduled between 5-8 p.m. Tuesday through Thursday. The Pride Amusements carnival will run Tuesday through Saturday.

Shawnee County Fair July 25-August 2

"There Is No Place Like The Shawnee County Fair!" with plenty of fun for all ages July 25-August 2. The horse show gets things started at 10 a.m. on Saturday, July 25 at the Livestock Pavilion. McClain's Mutton Bustin' will be held at 3 at the Exercise Arena. The horse judging contest will begin at 7. The horse show will continue on Sunday at 9 a.m. There will be no exhibits Monday through Wednesday, then Thursday, July 30 will be Kansas Day at the Fair with many free fun events from 6-9 p.m. The swine show will be held at 6 p.m. Friday's activities include the market, breeding and Pygmy goat show at 9 a.m. followed by the sheep show at 10:30. There will be Southwest Dairy Farmers demonstrations from 3-4 p.m. The bucket calf show will begin at 5, followed by the beef show at 6. The pedal tractor pull will take place at 7 at the Dock Area and the Santa Fe Band will take the stage at Exhibit Hall at 7. The dairy goat show will be held at 8:30 a.m. Saturday with the dairy cattle entering the ring at 9:30. The Shepherd's Lead will be held at 1. There will be a celebrity swine show at 1:30 followed by a celebrity goat milking at 1:45. The livestock auction will take place at 5 p.m. Sunday morning will feature the round robin showmanship competition.

North Central Kansas Free Fair July 28-August 1

If you're looking for good, family-centered fun, the North Central Kansas Free Fair in Belleville is the place to be July 28-August 1. Tuesday, July 28 will begin with the horse show at 9 a.m. Enjoy "The Blackbird Review" at 8 p.m. at the Entertainment Center. At 1 p.m. on Wednesday, the meat goat judging will take place. "Six Appeal" will perform at 8 p.m. Thursday morning will be the swine judging at 8:30 in the arena and at 1 p.m. the bucket calves will be judging. 2:30 will be the dairy goat judging. 4-H Night at the Fair and the Style Review will be held at 6 p.m. The "Polka Band" will perform at 8 p.m. The beef judging takes place at 10 a.m. Friday at Eddie Valek Arena. At 8 p.m. "Big Time Grain Company" will perform. The livestock judging contest will take place at 1 p.m. Saturday and there will be a pork and lamb supper from 5-7 p.m. followed by "Clogger" at the Entertainment Center. On Sunday morning the Little Tuggers Tractor Pull will take place in front of the 4-H building and the 4-H and FFA junior livestock sale is at 3 p.m. From 5-7 p.m. enjoy the KLA Prime Rib Supper. There will be a carnival Tuesday through Saturday from 6-11 p.m.

Pottawatomie County Fair July 29-August 2

Country folks know how to have good, clean fun and nowhere is it more evident than at the Pottawatomie County Fair. July 29-August 2 will be five days so full of activities, you won't be able

to drag yourself away. On Thursday, July 30 there will be a Livestock Skillathon from 1-5 p.m. The dairy cattle judging will begin at 4 followed by the dairy goats. Meat goats will be judged at 5 p.m. There will be a youth tractor driving contest at 10 a.m. Friday and FFA Mechanics will be judged that afternoon at 2. The beef judging will begin at 5 p.m. Swine will be judged at 8 Saturday morning. The livestock sale will be held at 5 p.m. on Saturday. Other activities include a pedal tractor pull, softball tournament, ranch rodeo, recycling toss games, sand volleyball, horseshoe pitching, Bingo, a pie contest, turtle races and much more. The annual fair parade will be held on Sunday, August 2 at 1 p.m. Kraft Rodeo Company will provide livestock for the rodeo Friday and Saturday evenings at 8 p.m. Musical entertainment will include a performance by State Line Drive Saturday night followed by music by Daren and Randy.

Central Kansas Free Fair July 29-August 3

July 29-August 3 is a great time to be in Dickinson County as the Central Kansas Free Fair opens for another year. The 4-H/FFA equine show will take place Thursday, July 30 at 8:30 a.m. and the Ag Mechanics entries will be judged at 10 with crops following at 1. The parade will begin at 4 p.m. The beef show will be held Friday at 8 a.m. and breeding sheep will be judged at 3 followed by goats at 4. Market lambs will be judged at 6:30. The swine show will be at 8 a.m. Saturday followed by dairy cattle at 8:30, then dairy goats and

dairy cattle. Bucket calves will be judged at 4:30. The livestock judging contest will begin at 9:30 and the round robin will be held at 3:30. The livestock sale will be held on Monday at 9 a.m. Other events will be PRCA Bulls and Broncs Wednesday at 7:30, the Wild Bill Hickok Rodeo Thursday, Friday and Saturday at 7:30 and the auto and team derby Sunday at 7:30. Derby finals will be held Monday at 7:30.

Tri-Rivers Fair August 4-8

The Tri-Rivers Fair in Salina is the place to be for good, old-fashioned fun. Be there August 4-8 at the fairgrounds and grandstand adjacent to the Bicentennial Center. The parade will get things started in festive fashion on Tuesday, August 4 at 7 p.m. The Tri-Rivers Rodeo will be held Wednesday and Thursday, August 5 and 6 at 8 p.m. and you'll want to be sure to catch the Draft Horse Pull in Ag Hall on Saturday, August 8 at 7 p.m. No fair would be complete without a carnival and this one won't disappoint, opening at 6 p.m. Wednesday through Saturday. The demolition derby will run Friday, August 7 at 8 and Sunday, August 9 at 7 p.m. Family Motor Sports Night will include Figure 8 races, Minivan Derby, ATV races and Kids Powerwheels Demo Derby all on Saturday, August 9, beginning at 8 p.m. The 4-H livestock sale will be held Saturday, August 8 at 8:30 a.m.

Lyon County Fair August 6-15

As summer winds down, the Lyon County Fair is a great way to cap it off. From August 6-15, Emporia will be filled with action, from a ranch rodeo to livestock ex-

hibits, demolition derby and more. The carnival opens Thursday, August 6 at 6 p.m. and John Michael Montgomery will be in concert at 8. Friday and Saturday will feature a ranch rodeo at 7 both nights. The kids pedal pull will be Sunday at 7 p.m. along with a kids fun night and public livestock judging contest. Monday will feature mutton bustin' at 7:30 and Buck, Rumble and Roll at 8. The 4-H Livestock sale will be held Tuesday, August 11 at 6 p.m. and the 4-H rodeo at 6 p.m. Wednesday. An antique tractor pull will be

held Thursday at 7 and there will be a truck and tractor pull Friday at 7. The demolition derby will cap off the week Saturday at 7 p.m. Livestock shows will include the dairy goat show on Saturday, August 8 at 8 a.m. followed by the meat goat show at 9:30 and the sheep show at 6 p.m. The swine show will be held at 8 a.m. Sunday and the beef show will be at 8:30 Monday morning. The round robin showmanship contest will be at 8 a.m. Tuesday and the 4-H premium sale will begin at 6 p.m.

Visit a county fair near you this summer

Continued from 17

- Elk County Longton Free Fair- 07/31-08/02, Longton Fairgrounds
- Harvey County Free Fair- 07/31-08/04, Newton
- Linn County Fair- 08/01-08/08
- Sherman County (NW Kansas Free Fair)- 08/01-08/08, Goodland
- Jefferson County 4-H Fair- 08/03-08/06, Valley Falls
- Atchison County Fair- 08/03-08/07, Effingham
- Anderson County Fair- 08/03-08/08, Garnett
- Morton County Fair- 08/03-08/09
- Cherokee County Fair- 08/04-08/08, Columbus
- Decatur County Fair-

- 08/04-08/08, Oberlin
- Saline County Fair (Tri-Rivers Fair) - 08/04-08/09, Salina
- Cheyenne County Fair- 08/05-08/08, St. Francis
- Harper County Fair- 08/05-08/08, Harper
- Mitchell County Fair- 08/06-08/09
- Lyon County Fair- 08/06-08/15, Emporia
- Osage County Fair- 08/08-08/12, Overbrook
- Inter-State Fair and Rodeo- 08/08-08/15, Coffeyville
- Rooks County Free Fair- 08/09-08/15, Stockton
- Sumner County Fair- 08/14-08/16, Caldwell
- Seward County Fair- 08/19-08/23, Liberal

22ND ANNUAL



July 17-18
7:30 PM

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Danny Munsel- Rodeo Clown

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Ticket Outlets: Orschelns in Junction City and Manhattan; Rittel's Western Wear in Abilene; PJ's Liquor Store in Clay Center

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PARADE • Tuesday, August 5 - 7:30 PM
TRI-RIVERS RODEO • Wednesday & Thursday, August 5 & 6 - 8:00 PM
DRAFT HORSE PULL - Ag Hall Saturday, August 8 • 7:00 PM
CARNIVAL • Wednesday-Saturday, August 5-9
Opens at 6:00 PM
DEMOLITION DERBY • Friday, August 7 - 8:00 PM & Sunday, August 9 - 7:00 PM
FAMILY MOTOR SPORTS NIGHT: Figure 8 races, Minivan Derby, ATV racers, Kids Powerwheels Demo Derby • Saturday, August 9 - 8 PM
4-H LIVESTOCK SALE: Saturday, August 8 - 8:30 AM

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Kansas 4-H announces state project winners

The Kansas 4-H Youth Development Program has named the 2015 State 4-H Project Winners.

The project winners represent

4-H at its best, according to Barbara Stone, assistant director, K-State Research and Extension, and state leader, Kansas 4-

H. "These young people represent Kansas 4-H Youth Development and highlight the essence of 4-H – setting

goals, gaining knowledge, learning and mastering new skills, and sharing that knowledge with others. Their achievements demon-

strate the impact that 4-H has on preparing young people to make a positive impact in their communities and the world," she said.

The awards were presented at the 4-H Emerald Circle Banquet, in Manhattan on May 28.

The projects are designed to explore a variety of interests, but also reflect three core competencies integrated into 4-H programs:

- * Science, engineering and technology;
- * Citizenship, leadership and service, and
- * Healthy living.

"The 4-H project experience is an enjoyable and positive way for youth to spend out of school time. In addition, youth learn valuable life skills as well as about hobbies and prospective career choices," said Kylie Dickett, Kansas 4-H project manager.

Twenty-nine 4-H members were selected for the state awards, which are based on work completed the previous year. Project award recipients are listed in order by hometown, followed by the recipient's name, local Extension unit

and project area.

Abilene: Dustin Wilson, Dickinson County, Energy Management

Abilene: Rogan Tokach, Dickinson County, Self-Determined

Berryton: Tamara McConnell, Shawnee County, Clothing

Cambridge: Brayden Krepps, Cowley County, Horse

Canton: Kaylee Littrell, McPherson County, Food and Nutrition

Canton: Ethan Dailey, Marion County, Visual Arts

Effingham: Amber Kelly, Atchison County, Leadership

Ellinwood: Cody Wondra, Barton County, Swine

Emporia: Maddie Simmons, Lyon County, Reading

Formoso: Janelle Railsback Spiegel, Post Rock District – Mankato, Alumni

Hill City: Tucker Eckols, Graham County, Poultry

Kanorado: Dani Mangus, Sunflower District – Goodland, Meat Goats

Leoti: Kelsie Conard, Wichita, Photography

Logan: Kayla Hoffaker, Phillips-Rooks District – Phillipsbug, Performing Arts

Louisburg: Madelynn Yalowitz, Marais des Cygnes District – Paola, Rabbits

McPherson: Taylor Goering, McPherson County, Beef

McPherson: Christine Vasper, McPherson County, Geology

McPherson: Reed Hunter Wiens, McPherson County, Wildlife

Meriden: Tana Pearson, Meadowlark District – Oskaloosa, Shooting Sports

Oskaloosa: Ashley Nelson, Meadowlark District, Citizenship

Prairie Village: Zoe Nason, Johnson County, Family Studies

Princeton: Cade Hibdon, Frontier District – Lyndon, Sheep

Pratt: Katie Buhler, Pratt County, Fiber Arts

Rush Center: Traci Ross, Walnut Creek District – LaCrosse, SpaceTech

Salina: Shaylee Arpin, Central Kansas District – Salina, Communications

Salina: Hannah Henry, Central Kansas District – Salina, Home Environment

St. John: Greyson Collins, Stafford County, Plant Science

Udall: Francis Rupp, Cowley County, Dairy

Wakarusa: Amanda Miller, Shawnee County, Dog

Each of the state award recipients earns a commemorative project medallion and an invitation to National 4-H Congress, which will be held in Atlanta, Georgia, Nov. 27-Dec. 1. Winners also receive a \$400 travel scholarship from the Kansas 4-H Foundation toward expenses in attending congress, which is a professional development conference for youth.

More information about Kansas 4-H and the educational opportunities it offers to youth ages seven and up is available on www.Kansas4-H.org and at each of K-State Research and Extension's county and district offices.

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Get ready, get set, go to the fair

Come one, come all to the local county fair! Plan to see a variety of events at county fairs in the area. Come early in the day or later in the evening to escape some of the heat. The four River Valley District fairs are scheduled for three weeks in July and extend into August. Plan to attend one or more of the District Fairs. There is something for every person to enjoy. Check at your local District Extension office for a fair book listing all the exhibits for 4-H and Open Class. Watch several of the exhibits being judged. Visit with family and friends. Participate in the many events at the Fair. The District Fairs dates are:

- July 14-19 Washington County Fair
- July 15-19 Clay County Fair
- July 21-25 Cloud County Fair
- July 28- August 1 Republic County Fair

Time is ticking to get your exhibits ready for the County Fair. Walking through the fair buildings sometimes a comment is heard that the person has a better entry at home. Now is your golden opportunity to prepare and enter one or more exhibits. Look through the fair book and see what exhibits you can enter that you have made this year, or you can make before the entry deadline. A variety of items can be entered in the Open Class division from photography to flowers to foods exhibits. You might even earn a ribbon and get some premium money.

Meet your friends, neighbors, and relatives at the Fair. Watch 4-H'ers in action during the judging. View the exhibits and participate in the many events. Enjoy eating the Fair food too.

Kansas State Fair- September 11-20

Travel to Hutchinson to see more events and view the individual and educational exhibits from across the state.

Work on Your Bucket List

Most people need to plan upcoming events to look forward to attending. Maybe you are planning a trip to see a relative or friend or want to eat at a new restaurant. It might be events that someone else planned such as a family reunion or a wedding. A person is excited to attend these events, and it may improve their mood even during a hot summer. Do you have a bucket list? Your bucket list may include a number of places to see and things to accomplish during your lifetime. It's important to visit places you've never been to before. A person can learn a lot about themselves by traveling to a new place and participating in events outside of their comfort zone. Maybe you want to learn to play the piano. Write down places near and far that you would like to visit. It could be going to a place in your county that you've thought about seeing but never taken the time. One group of people rode horses in the river as a bucket list event. You may prefer to stay on the shore and close to home. There are many festivals that you can attend. Make your bucket list. Discover the joys of learning new information and experiencing new places.

Throlson American Bison Foundation Scholarship now accepting 2015 applications

The National Bison Association (NBA) has announced the 2015 Throlson American Bison Foundation Scholarship amid continued growth in consumer demand for healthy, natural bison meat.

The Throlson American Bison Foundation is named after its founder, Dr. Ken Throlson, DVM, a pioneer of the modern bison business and awards three outstanding college students with an interest in the burgeoning bison industry.

"The Throlson American Bison Foundation Scholarship program has been established to recognize, encourage and promote leadership among future bison industry professionals," said Dave Carter, executive director of the NBA.

In November 2015, the

Throlson American Bison Foundation will award scholarships totaling, but not limited to, \$5,000 to outstanding college junior, senior or graduate students studying fields related to the bison industry.

This year an additional scholarship will be awarded in the memory of Richard Zahringer to a student pursuing a degree in agriculture economics, ag-business, or accounting. Ideally this student will have future interest in livestock and specifically bison. This scholarship will be a minimum of \$1,000.

Applications are available for download at the NBA's website, www.bisoncentral.com, on the Throlson Bison Foundation tab. Applications must be completed and mailed or emailed to the NBA no

later than Oct. 1, 2015. Recipient announcements will be made no later than Nov. 5, 2015. For more information, contact the NBA office at (303) 292-2833, or jim@bisoncentral.com.

The NBA also has a Junior membership for individuals ages 21 and younger that are interested in the bison community. NBA Junior Members can access member information on the website, receive discounted conference rates, consign animals to the Gold Trophy Show & Sale held in Denver in conjunction with the National Western Stock Show, and receive a subscription to *Bison World* and the NBA newsletter, *The Weekly Update*. The Junior membership is \$50 annually.

Learn more at www.bisoncentral.com.

Alma cowgirl is national champion

On June 21st, a nice, dry Sunday evening, 1,000 National Junior High Finals Rodeo (NJHFR) qualifiers from 42 states, Australia and Canada found themselves starting their quest for a National Championship. Throughout the week-long event, the cowboys and cowgirls would have two chances in their qualifying events to prove they have what it takes to make the Short Go Saturday night. Wabaunsee County was represented by Brandon Hittle, Harveyville - Tie-Down Roping, Ribbon Roping, Team Roping; Caxton Martin, Alma - Girl's Breakaway, Barrel Racing, Ribbon Roping, Girl's Goat tying; and Rhett Murray, Alma - Team Roping.

Caxton Martin qualified for three events in the Saturday night Short Go - Girl's Breakaway, Barrel Racing, Girl's Goat Tying. The evening started out with Girl's Breakaway in the Jacobson Center on the Iowa State Fairgrounds. Caxton drew a calf that was roped once in five previous outings, and the calf proved veering left out of the chute was a successful way to escape the lasso. Within the hour the next event, Girl's Goat Tying, was held in the Pavilion. With little cooperation from the goat, Caxton was able to earn a sixth place finish. Now it was time to head back to the Jacobson Center for the final event of Barrel Racing. Caxton's run was her best of the week and finished third in the Short Go.

After all the events were



Caxton Martin, Alma, won National Champion All Around Cowgirl at the National Junior High Finals Rodeo.

Courtesy photo

complete late Saturday night, the points from the week of events and Short Go were totaled and Caxton Martin won National Champion All Around Cowgirl; which in sports analogy, is equal to the Rodeo's Most Valuable Player (MVP). The determination Caxton showed in her final three events Saturday night proved to be what it took to earn 40 more points than

the All Around runner-up. This was the second, and final year for the NJHFR in Des Moines, and on a personal note it will be missed, because of the Wabaunsee County cowboys and cowgirls that have qualified for it. Next year a trip to Gillette, Wyoming may be needed to see the local High School qualifiers chase a National High School Finals Rodeo Championship.



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Kansas 4-H awards scholarships to 64 students

The Kansas 4-H Foundation has selected 64 students to share more than \$59,000 in scholarships, rewarding them for their dedication and leadership as Kansas 4-H members.

The scholarships fund post-secondary education during the 2015-16 academic year and were awarded at the 2015 Emerald Circle Banquet, May 28, in Manhattan.

"Assisting our 4-H members in pursuit of higher education, where they will apply the skills and knowledge gained through 4-H, is a privilege and honor for our donors. We couldn't be more pleased to award scholarships to these deserving young men and women," said Jake Worcester, president of the foundation.

Scholarship recipients are 4-H members selected through an annual applica-

tion and review process. Applications are judged with emphasis on 4-H leadership, citizenship and involvement. Many of the scholarship donors are former 4-H members.

2015-16 Kansas 4-H Foundation scholarships are listed by the recipient's hometown, followed by the scholarship recipient's name, and donor:

Abilene: Christina Hoffman, Dickinson, Mandy and Joseph Kern

Atla Vista: April Ascher, Riley, Frank W. and Gwen Romine Jordan

Auburn: Luke Garrison, Shawnee, Master Farmer-Farm Homemaker 4-H

Axtell: Audrey Schmitz, Marshall, Glenn M. and Rosemary Busset

Axtell: Tricia Schmitz, Marshall, Marceil Gradwohl 4-H

Axtell: Tracy Schmitz, Marshall, Winter Family

Grants

Baileyville: Tyler Deters, Meadowlark, Kansas Association of Wheatgrowers

Berryton: Kelsey Wulkuhle, Douglas Roscoe M. and Winona M. Starkey

Brewster: Layton Werth, Thomas, Nathan Carrol Memorial

Brookville: Collyn Fouard, Central Kansas, Orscheln Farm and Home 4-H

Bucyrus: Sara Guetterman, Johnson, Roy B. and Elizabeth Curry Oyer

Burrton: Blake Foraker, Sedgwick, Frank W. and Gwen Romine Jordan

Chapman: Kyler Langvardt, Geary, Orscheln Farm and Home 4-H

Clifton: Blade Winter, River Valley, Orscheln Farm and Home 4-H

Colby: Sarah Lamm, Thomas, Pierre C. Henry

Dodge City: Rachel Robertson, Ford, June Bea-

ver 4-H

Effingham: Bridgett Kelly, Atchison, John Junior and Ula Armstrong

Emporia: Arissa Moyer, Lyon, June Beaver 4-H

Emporia: Sarah Moyer, Lyon, William G. and Marita Jean (Spiers) Willis

Fredonia: Leah Kimzey, Wilson, June Beaver 4-H

Garden City: Linda Bilberry, Finney, A.B. Mahieu

Hartford: Brianna Zweimiller, Lyon, Extension - Step Ahead - SE

Holcomb: Ashley Mongeau, Finney, Clara L. Dubbs 4-H

Hoyt: MaRyka Smith, Meadowlark, Elmer and Mary Schlagel Pelton Family

Humboldt: Anna Setter, Southwind - Iola, Mary Lou Gibbs

Hutchinson: Thomas Fink, Reno, Jack and Lindy Lindquist 4-H Youth Council Leadership

Lawrence: Karen Schneck, Douglas, Frank W. and Gwen Romine Jordan

Lawrence: Ryal Mitchell, Douglas Ross and Marianna Beach Foundation Endowed

Leavenworth: Leah Parsons, Leavenworth, Extension Step Ahead - NE

Lenexa: Josh Gregory, Johnson, Kansas 4-H Youth Development Department

Lenexa: Julia Shields, Johnson, Warren L. and Mabel Johnson and Ann Johnson Sparke 4-H

Madison: Samuel Davis, Greenwood, John L. Wilson

Memorial

Manhattan: Anna Jackson, Riley, Frank W. and Gwen Romine Jordan

Manhattan: Chase Reed, Cowley, Cecil and Merle Eyestone

McLouth: Carl Hecht, Leavenworth, Roger E. Regnier

McPherson: Michael McKinney, McPherson, Orscheln Farm and Home 4-H

Meade: Jacqueline Clawson, Meade, Donald E. Leu

Meriden: Boyd Roenne, Meadowlark, Orscheln Farm and Home 4-H

Meriden: Jennifer McNary, Meadowlark, Frank W. and Gwen Romine Jordan

Olathe: Megan McLaughlin, Johnson, June Beaver 4-H

Olathe: Niccole Miller, Marais des Cygnes, Goppert Southeast Kansas

Onaga: Mitchell Duer, Pottawatomie, Orscheln Farm and Home 4-H

Oskaloosa: Ashley Nelson, Meadowlark Andrew J. Clawson Memorial 4-H

Phillipsburg: Justin Turner, Phillips Rooks, Douglas F. & Linda Beech Educational

Pratt: Austin Black, Pratt, Orscheln Farm and Home 4-H

Pratt: Taylor DeWeese, Pratt, J. Harold and LaVerne Johnson

Ransom: Marta Payne, Walnut Creek, Allan and Carolyn Harms Family

Rozel: Megan Milch, Pawnee Extension - Step

Ahead - SW

Rush Center: Traci Ross, Walnut Creek, J. Clifton and Helen F. Ramsey

Salina: Shaylee Arpin, Central Kansas, Donald E. Leu

Salina: Justin Schmutz, Central Kansas, Gary and Lorraine Kilgore 4-H

Salina: Zoe Woolsoncroft, Central Kansas, Frances W. Dunbar Memorial 4-H

Shawnee: Michaela Mense, Johnson, A. Lois Redman 4-H

Spring Hill: Brenna Ewing, Johnson, Orscheln Farm and Home 4-H

Spring Hill: Tessa Davids, Marais des Cygnes, Goppert Southeast Kansas

Tescott: Evan Morrical, Central Kansas, Georgia Wertzberger

Topeka: Antonio Ramonda-Pruitt, Shawnee, Ross E. and Margaret Colman Wulkuhle

Ulysses: Mercedes Rodriguez, Grant, Mary E. Border

Valley Center: Jill Seiler, Sedgwick, Thomas Potter II 4-H

Wallace: Chantry Daily, Sunflower Extension, Step Ahead - NW

Wamego: Annette Trieb, Riley, John C. Carter Memorial

Washington: Gabryelle Gilliam, River Valley, Oscar W. Norby

Wichita: Jameson Jones, Sedgwick, Winter Family

Grants

Lincoln County Fair

JULY 22-25, 2015

Sylvan Grove, Kansas

ARCHERY TOURNAMENT
SAT., JULY 25
BASEBALL FIELD

Competition will include 3-D Animal Targets as well as Several Fita and Block Targets. Longbow, Recurve, and Compound bows allowed- NO CROSSBOWS.

Youth Division: Two Age Groups: 13 & Under & 14 to 18 (Will include Fita Targets for Qualifying for the 4-H State Competition for 9 year olds and up). Registration at 8 AM, Shoot at 8:15 AM for 4-H State Qualifier, Open Class Youth Shoot Following 4-H Qualifier. Entry Fee: \$5

Open Adult Division: Age 16 and over will have Novice and Advance Classes. Registration at 9:30, shoot at 10:00 AM following Youth Division. Entry Fee: \$10



RANCH RODEO

FRIDAY, JULY 24 • 7 PM

\$3.00 Admission Fee/ 12 & Under FREE

EVENTS: Trailer Loading, Branding, Double Mugging

Rules.....6:30 PM
Calcutta.....6:45 PM
NCK Drill Team.....7:00 PM

Contact Heather: 785-829-1665,
Emily, 785-531-1066 or
Ben, 785-658-7710

Demolition Derby
(Full Size & Compact)
SATURDAY, JULY 25
7:30 PM @ THE FAIRGROUNDS
Admission at the Gate: \$10 • Children 12 & Under: FREE



BBQ Cook-Off Contest
FRIDAY, JULY 24TH
\$400 Prize Money
No cost to enter!
* Meat Provided

Contact: Kent Rahmeier, 785-658-5129
or Kimberly Hiitter or Ray Withers
at 785-526-7155



PERFORMING



THURSDAY, JULY 23 @ 7 PM

GRANDSTAND

Entrance is by Monetary Donation or an item for the Lincoln County Food Pantry!

Sedgwick County Extension to host Master Gardener Recruitment Open House

There will be an Extension Master Gardener Recruitment Open House Tuesday, August 4, 2015 10:00 a.m. at the Sedgwick County Extension Education Center, 4-H Hall Those interested in applying for the Extension Master Gardener fall class are encouraged to attend an informational meeting on Tuesday,

August 4, 2015, at 10 a.m. at the Sedgwick County Extension Center in 4-H Hall. Applications will be available at the event.

The requirements and benefits of the program will be outlined and current Master Gardeners will share their experiences as volunteers. Master Gardener trainees participate in an extensive training program through K-State Research & Extension. Volunteers for the Sedgwick County class must be residents of Sedgwick County, be available for daytime classes on Thursdays and be willing to volunteer for the Sedgwick County Extension Service within the community.

Cost for the class is \$100.00 per person; need-based scholarships are available to defray part of the cost. Applications must be submitted or postmarked by August 7, 2015. The new training class of Extension Master Gardeners begins Thursday, October 1, 2015, and is held every Thursday

through November 19, 2015, from 9:00 a.m. to 4:00 p.m. at the Extension Education Center (7001 W. 21st Street North).

K-State Research & Extension in Sedgwick County is looking for volunteers who are able to devote 40 hours to classroom horticulture training combined with 48 hours of hands-on volunteer service while learning to become Extension Master Gardeners. Extension Master Gardeners volunteer in the Sedgwick County community through the speaker's bureau, Extension Arboretum and Demonstration Gardens, youth gardening, phone hotline and plant clinic, hosting garden tours and more.

For more information contact Rebecca McMahon, Extension Horticulture Agent at (316) 660-0142 or visit: <http://www.sedgwick.k-state.edu/gardening-lawn-care/master-gardener-volunteer-program/become-master-gardener.html>

OTTAWA COUNTY FAIR

July 14-19, 2015

**Minneapolis Fairgrounds
Minneapolis, Kansas**

TUESDAY, JULY 14

6:00 p.m. — Parade

8:00 p.m. — Co-Ed Ranch Rodeo

WEDNESDAY, JULY 15

10:00 a.m. — 4-H Swine Show followed by 4-H Sheep, Goat and Dairy Show

5:30 p.m. — 4-H Beef Show

**"American Flare
at the County Fair"**

THURSDAY, JULY 16

8:00 a.m. — 4-H Horse Show
6:30 p.m. — Kids Pedal Tractor Pull
7:00 p.m. — Baby Show
9:00 p.m. — Pig Scramble after Tractor Pull

FRIDAY, JULY 17

3:00 p.m. — Round Robin
7:00 p.m. — 4-H/FFA Premium Auction
8:00 p.m. — Mud Volleyball

SATURDAY, JULY 18

10:00 AM — Cardboard Boat Races

SUNDAY, JULY 19

7:00 p.m. — Demolition Derby



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2015 WASHINGTON COUNTY FAIR



Team Roping: Thursday, July 16 – 7 PM
Contact: 785-761-8994 for information

Steer Mugging: Friday, July 17 – 7 PM
3 Rounds - \$160 4 man team
\$1000 added money, Pay 3 places each round, 3 places overall
Limit 20 teams
Contact: Todd Hughes 785-541-0538

Ranch Rodeo: Saturday, July 18 – 7 PM
Entry Fees: \$160 4 man team
\$1300 added money, Pay 1st each event, 3 places overall
Events: Double Mugging, Trailer Loading, Branding, Wild Cow Milking
Contact: Todd Hughes: 785-541-0538

Help wanted: Young people now to lead in the future

By Kay McGregor

I may not be your typical teen. I like to work with animals and help prepare them get ready for fair. It's an amazingly fun experience and I'd like to share it with the world. I moved from the suburbs to a farm, so as you can imagine, the world of agriculture was a shock to my system. However, it really opened my eyes and gave me fresh perspective about my future. In 2014, a survey of American youth admitted they feel under-prepared for life after high school – for college or career. That's right, 50 percent of youth like me said they were not prepared! But thanks to programs like 4-H, I feel very prepared and excited about my future.

My name is Katherine Grier McGregor and I am 17 years old. I will be a senior

in high school this fall. In five years, I hope to attend Kansas State and major in advertising and communications. I'd like to become a blogger or find a way to share my love of agriculture and communications through social media. In the future, I hope that my peers and I are successfully being leaders the next generation can be proud of. The idea that half of my peers might not be ready is a scary thought. Ten years ago, I made the decision, with the help of my mother, to become a member of 4-H. This spring I took part in the 4-H Ag Innovators Experience (4-H AIE) in Emporia. I joined other 4-H teens in leading in the wind turbine challenge, an activity to help youth in my community develop the critical thinking, STEM and career skills

that can help prepare them to lead in the future. We partnered with Monsanto and 19 other teens around the state. We were challenged to learn about water conservation and agriculture in Kansas. We worked in teams and used everyday materials, like a bucket, craft sticks, scissors and dowel rods. In the end, we were able to build a wind turbine and was able to test it with water. I was one of the teachers and really enjoyed the experience. I was even asked to teach it again next year at several schools. During our four-day journey, we empowered youth in the best way possible – through hands-on experiences and the opportunity to address a world problem. This created an environment that was built on teamwork and getting to know

each other. 4-H emphasizes the benefits of working together. As a team, we were able to come up with greater ideas and get our work done faster when we work together. This experience gave us solid social skills that will help us develop relationship-building skills in the future. Not only did we develop life skills that could help us to excel in any career, but we also saw that agriculture can be relevant and fun. According to the U.S. Department of Agriculture and Purdue University, agriculture is a very high-demand industry for 21st Century jobs. However, over the next five years, more than 40 percent of the nearly 60,000 high-skilled ag jobs expected annually in the U.S. will not have grads to fill them. The more I've learned about

agriculture recently, the more I find it exciting. Working with 4-H, My twin brother and I have gained confidence speaking in groups and have even facilitated group discussions to help develop other leaders. I'm on several leadership boards and Jr. Superintendent of Food Nutrition. It's a great feeling to know that we might have helped more than 1,250 youth in our Emporia community see the benefits of a career in agriculture. Thankfully, we're not in it alone. Other companies are even stepping up to support our vision. National 4-H Council and Monsanto are sponsoring 4-H Ag Innovators Experience in eight states, including a video contest where young people can show how they can apply the skills they learned to solve a problem

in their community. Four winners will be chosen and each will receive a \$1,000 award. I may only be 17, but I really believe it is not too late to prepare more young people to truly lead in their lives and communities today. 4-H has provided me with a life-changing experience. And it's not just 'cookies and cows' or for people who want to be cooks or work in the farming industry. Even if you live in a big city you can become a part of 4-H. I didn't always live on a farm but it has truly helped broaden my perspective of the world and now I am ready for my future.

Kay McGregor is a teen leader in Kansas. To learn more about the 4-H Ag Innovators Experience, visit <http://www.4-h.org/aginnovators>

High school students learn of leadership in animal science industry

By Sharon Breiner

Forty students from six states gathered on the Kansas State University campus in June to gain livestock knowledge and leadership skills. These participants comprised two 20-person cohorts of the seventh annual K-State Animal Sciences Leadership Academy (KASLA) June 10-13 and June 17-20 in Manhattan.

Hosted by the K-State Department of Animal Sciences and Industry and sponsored by the Livestock and Meat Industry Council, the academy's goal is to develop young leaders within the livestock industry and prepare them for a successful future in this field.

This year's class included: Natalie Allen, Marceline, Missouri; Ethan Bellar, Howard; Molly Bertz, Mayview, Missouri; Brianna Cattrel, Circleville; Jenna Chance, Lebanon, Indiana; Lance Coe, Soldier; Lindsey Dankenbring, Marysville; Megan Davis, Princeton; Samuel Dobbins, Emporia; Emily Elfers, Saint Francis; Kaci Foraker, Burrton; Kayley Geesling, Turon; Cade Hibdon, Princeton; Sydney

Hoffman, Archie, Missouri; Shiani Hughes, Ellinwood; Trent Johnson, Moran; Randall Karr, Emporia; Cameron Kilgore, Atchison; Valerie Klassen, Lehigh; Haley Lindell, Leonardville; Jonathan Lock, Garden City; Brady McComb, Pratt; Mallory Meek, Spring Hill; Emily Meinhardt, Marysville; Elliot Merck, Rose Hill; Dixie Miller, Fayetteville, Arkansas; Joel Nelson, Soldier; Kyndall Norris, Riley; Brandi Peverley, Wamego; SaRae Roberts, Hillsboro; Cassidy Schlessiger, Ellinwood; Oliver Schmitz, Axtell; Tanner Sipes, Stafford; Riley Sleichter, Abilene; Kendra Snyder, Lena, Illinois; Ethan Sylvester, Wamego; Mason Tarr, Sanger, California; Shelby Werth, Ellis; Tate Wickstrum, Olsburg; and Madelynn Yalowitz, Louisburg.

During their time at the KASLA, students participated in interactive leadership development and educational sessions led by faculty members from across the K-State campus. Participants completed the college experience by bowling at

the K-State Student Union, completing the K-State Challenge Course and staying in Haymaker Hall.

The KASLA also included a full day of livestock industry tours throughout northeast Kansas, with stops including: O.H. Kruse Feed Innovation Center, Manhattan; Kansas Department of Agriculture, Manhattan; Hildebrand Farms Dairy, Junction City; Sysco Foods, Olathe; Bichelmeyer Meats, Kansas City; and American Royal, Kansas City. They also enjoyed tours of university farms and the College of Veterinary Medicine.

For their final project, the students were divided into groups during the week to focus on current issues affecting the livestock industry. Faculty mentors from the K-State Department of Animal Sciences and Industry assisted each group. Using information they learned throughout the academy, the groups were asked to present their subject as part of the closing reception on the final day. About 100 family, friends and members of the K-State

community gathered each week for the closing reception to honor the graduates and hear their thoughts on these important livestock issues.

You can find out more information about the academy by visiting www.youthlivestock.ksu.edu. For questions, contact academy director Sharon Breiner at sbreiner@ksu.edu 785-532-6533.

Average summer cookout costs decrease

The American Farm Bureau Federation (AFBF) hosted its informal summer cookout survey in preparation for the Independence Day holiday. This year's findings resulted in an average of a three percent decrease in the summer cookout menu from last year's prices. Their survey includes food for ten people with products consisting of hot dogs and buns, cheeseburgers and buns, pork spare ribs, deli potato salad, baked beans, corn chips, lemonade, chocolate milk, watermelon for dessert, and ketchup and mustard. The overall price per menu collected from 88 supermarket visits in 30 states averaged at \$5.58 per person.

To read or listen to the full survey results, visit <http://tinyurl.com/AFBF-7-2-15>.

2015 SHAWNEE COUNTY FAIR

"THERE IS NO PLACE LIKE THE SHAWNEE COUNTY FAIR!"

Kansas Expocentre, Topeka, Kansas **FREE PARKING - FREE ADMISSION**
 Buildings open to the public 10:00 am - 10:00 pm, Thursday-Saturday - Sunday 9:00 am - 3:00 pm. Events subject to change.
 EH = Exhibition Hall LP = Livestock Pavilion DA = Dock Area EA = Exercise Arena LA = Landon Arena

<p>Saturday, July 25 Open to the public</p> <p>8:00 am Color Tag by Pre-Registration 10:00 am Horse Show - LP 3:00 pm McClain's Mutton Bustin' - EA 7:00 pm Horse Judging Contest - LP (or 30 minutes after show)</p> <p>McCLAIN'S MUTTON BUSTIN' & RANCH RODEO Kids of all ages can come and participate in the rodeo!! Mutton bustin' - no one over 60 pounds FREE EVENT Registration 3:00 pm - Rodeo starts at 3:30 pm - EA</p> <p>Sunday, July 26 Open to the public</p> <p>9:00 am Horse Show - LP</p> <p>July 27-29 - No Exhibits Monday through Wednesday</p> <p>VENDORS GALORE Booths Open Thursday, 10:00 am-10:00 pm Friday & Saturday 8:00 am-10:00 pm Sunday 10:00 am-2:00 pm</p> <p>Thursday, July 30 KANSAS DAY Buildings open to the public - 10 am-10 pm</p> <p>11:00 am-6:00 pm Clippity Clop Pony Rides - EA 1:00-5:00 pm Bake Sale - EH 1:00-6:00 pm Entry of Open Exhibits - EH</p> <p>KANSAS DAY FUN NIGHT FREE EVENT!!! 6:00-9:00 pm DA Kansas Department of Transportation YMCA Inflatables Bounce Activities Kansas State University Demonstrations Kansas Army National Guard Rock Climbing Wall FREE ICE CREAM and many more FREE activities!!!</p> <p>6:00 pm Swine Show - LP 6:00 pm Judging of Open Class Exhibits - EH 6:30 pm Auction of Purple Ribbon Baked Goods - EH 7:00 pm Senior Recognition & Scholarships - EH Stage 7:30 pm 4-H King and Queen Announced - EH</p> <p>TOPEKA MODEL RAILROADERS & N' SCALERS RAILROADERS on display at various times - Atrium</p> <p>Friday, July 31 Buildings open to the public - 8 am-10 pm</p> <p>7:30-8:30 am Entry of Quilts - EH 9:00 am Poultry Show - EH 9:00 am Dog Show - LA 9:00 am Market, Breeding & Pygmy Goat Show - LP 10:30 am Sheep Show - LP</p> <p>12:00-8:00 p.m. Quilt Show - EH Open to the Public Entry 7:30 am - 8:30 am, Judging 9:30 - noon</p> <p>11:00 am-6:00 pm Clippity Clop Pony Rides - EA Noon-5:00 pm Rabbit Show - EH 3:00 pm Free Watermelon Feed - DA (While it lasts) Donated by Wehner's of Rossville & Silver Lake Southwest Dairy Farmers Demonstrations - DA 4-H Public Presentations - EH Stage 5:30-6:30 pm Pets on Parade - Atrium 6:00 pm Beef Show - LP 5:00 pm Bucket Calf Show - LP 5:30-6:30 pm Pets on Parade - Atrium 6:00 pm Beef Show - LP 6:00-7:00 pm Pedal Tractor Pull Registration - DA 7:00 pm Santa Fe Band - EH Stage 7:00-8:30 pm Pedal Tractor Pull - DA</p> <p>PEDAL TRACTOR PULL - DA FREE EVENT Registration 6:00 pm - Pull starts 7:00 pm - ages 3-12 Sponsored by Shawnee County Farm Bureau</p>	<p>Saturday, August 1 Buildings open to the public - 8 am-10 pm</p> <p>7:00 am - Noon 4-H Pancake Feed - LA 8:30 am Dairy Goat Show - LP 9:00 am Dog Agility & Rally O Show - LA 9:30 am Dairy Cattle Show - LP 11:00 am-6:00 pm Clippity Clop Pony Rides - EA</p> <p>11:00 am Topeka Zoo Presentation - EH Stage</p> <p>11:45 am Porubsky's Pickle Eating Contest ages 10-16 Prize sponsors, Brown Chevrolet/Buick of Wamego & Sommerset Cafe, Dover - EH stage</p> <p>12:15 pm Porubsky's Pickle Eating Contest age 18 & up Prize sponsors, Brown Chevrolet/Buick of Wamego & Sommerset Cafe, Dover - EH stage</p> <p>1:00 pm Shepherd's Lead - LP 1:00 pm Rabbit Judging Contest - EH</p> <p>1:00 pm Topeka Zoo Presentation - EH Stage</p> <p>1:00-4:00 pm Master Gardener's Activity - EH 1:30 pm Celebrity Swine Show - LP 1:45 pm Celebrity Goat Milking - LP 2:00 pm Special Entertainment - EH - stage area 3:00-4:00 pm Fun Fair (kids of all ages) - EH 5:00 pm Livestock Auction - LP</p> <p>Sunday - August 2 Buildings open to the public 9 am - 3 pm</p> <p>9:00 am Round Robin Showmanship - LP 1:00 pm Public Fashion Revue - EH</p> <p>ALL EXHIBITS RELEASED AT 3:00 PM OR IMMEDIATELY FOLLOWING THE FASHION REVUE - LIVESTOCK WILL LOAD OUT OF THE SOUTH END OF DOMER ARENA.</p> <div style="text-align: center;"> <p>FREE CONCERT</p> <p>Zach Emery Band <small>AM 580</small> Cruzline Drumline <small>WIBW</small></p> <p>&</p> <p>Jared Daniels Band</p> <p>Friday Night July 31 - 6:30 PM, Landon Arena COME DANCE AND ENJOY SOME OF THE BEST ENTERTAINMENT IN THE MIDWEST!!! Pick up FREE tickets from any of these sponsors</p> </div> <div style="display: flex; justify-content: space-around; align-items: center;">    </div> <div style="display: flex; justify-content: space-around; align-items: center;">    </div> <div style="display: flex; justify-content: space-around; align-items: center;">    </div> <p style="text-align: center;">Thank you...</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>
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Washington County Fair


July 15-18, 2015 • Washington, Kansas

<p>Wednesday, July 15</p> <ul style="list-style-type: none"> • 8 AM 4-H Horse Show • 7 PM Swine Show <p>Thursday, July 16</p> <ul style="list-style-type: none"> • 12 PM Dairy Show • 5:30 PM Bucket Calf & Beef Show • 6 PM Carnival Rides start • 7 PM Team Roping <p>Friday, July 17</p> <ul style="list-style-type: none"> • 8 AM 4-H Rabbit Show • 11 AM 4-H/Open Class Poultry Show • 6 PM Carnival Rides start • 6:30 PM Parade 	<ul style="list-style-type: none"> • 6:30 PM Pedal Pull Registration • 7 PM Pedal Pull Starts • 6:30 PM Farm Bureau watermelon feed • 7 PM Steer Mugging • 9 PM Repeat Offenders Concert <p>Saturday, July 18</p> <ul style="list-style-type: none"> • Noon Livestock Sale • 3:30 PM Barnyard Olympics • 5:30 PM KLA & Cattle women of Washington County Ribeye Meal on the fairgrounds • 6 PM Carnival Rides start • 8 PM Peterson Brothers
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For More Details, Daily Schedule & Fair Book, Visit the Fair's Website:

www.countyfairgrounds.org

All events at Washington County Fairgrounds



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Jet fuel produced from farm waste

United Airlines has committed to purchase 15 million gallons of biofuels over a three-year period produced by AltAir Fuels. The biofuel is converted from oils from animal fats and other agricultural waste. The fuel is expected to be used at Los Angeles International Airport for flights to San Francisco. Starting out, the mixture will be 30 percent biofuel and 70 percent traditional jet fuel.

Other airline companies are joining the movement as

well. Alaska Airlines plans to begin using biofuels in 2020 in at least one airport. British Airways has been instrumental in building a biofuel refinery to be completed in 2017. Southwest Airlines plans to purchase approximately 3 million gallons per year of jet fuel made from wood residues.

To read more about biofuels in the airline industry, visit <http://tinyurl.com/jetfuel-7-2>

Stage is set to improve U.S. sheep genetics

The Lamb Industry Roadmap has strongly supported the improvement of sheep genetics from the start, and it is extremely pleased by many positive developments on this front.

This spring has been a busy time for the National Sheep Improvement Program (NSIP). NSIP has more flocks enrolled and more sheep with EBVs than ever before – thanks to support from the American Lamb Board and the National Sheep Industry Improvement Center. The support from the industry

has made this expansion possible, and the returns will be seen industry-wide with the increased use of quantitative genetic selection – thereby improving the productivity and profitability of American sheep producers.

To better serve the current NSIP members and the entire U.S. sheep industry, NSIP has hired a part-time program director, Rusty Burgett. Rusty has experience in the commercial and purebred sectors of the industry and is dedicated to improving the nation's sheep flock. The board also welcomes Tom Boyer as vice chairman and Walt Williams as treasurer as well as several new breed representatives. The advancement of NSIP is a result of the hard work of this volunteer board. Continuing this momentum, NSIP was awarded funding from the ASI Let's Grow commit-

tee for the American Sheep Industry Genetic Improvement Initiative. NSIP's educational effort encompasses all aspects of the sheep industry across the country and focuses on productivity improvement. The project includes:

Educational materials

Ram Buyers Guide to Productivity Improvement - educates commercial producers about selecting rams based on estimated breeding values to increase productivity

Productivity Improvement Case Study Videos—Commercial and seedstock producers that have embraced the technology of EBVs will be highlighted as examples for the entire industry

Workshops and Field Days

Hands-on productivity improvement workshops will be held across the U.S. to demonstrate the benefits

of EBVs.

Breeders Regional Forums-Workshops designed to train breeders on how to use NSIP to make genetic improvement and how to market genetics into the commercial sector

Development of Seedstock Consortiums- Facilitating working groups of like-minded breeders to expedite genetic improvement focusing on range and fine wool producers. This project is extensive in size and scope and is focused on educating the industry of the benefits that can be reaped when quantitative genetic selection is implemented. To date, NSIP is featured in workshops at 9 different sheep festivals and sales across the U.S. If you have an event this year and you would like NSIP featured, please contact Rusty Burgett at info@nsp.org or 515-708-8850.

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Schwieterman Market Outlook

A marketing commentary by Bret Crofts

The July supply and demand numbers weren't quite as friendly as some traders had hoped, but they did give the bulls something to work with as we move through the growing season and the crop year. For starters, the new crop corn ending stocks estimate came in at 1,599 billion bushels, which was well above the average trade guess, but down 212 million from last month. The acreage was cut, but the yield was left alone, which is likely because crop condition ratings are still above average. Many traders had been hoping for a yield cut to go with the acreage cut, but it was not to be. If the crop condition ratings slip lower the rest of July and the excessive moisture continues in the Eastern Corn Belt, then we will likely get that yield cut in the August supply and demand report.

It was a similar story for the soybeans. We knew there was going to be an increase in the acreage estimate, because that is what the Planted Acreage Report told us, but many traders were hoping for a yield cut that would offset the higher acreage. We may see that

happen down the road, but for now the USDA is hesitant to make a move with the condition ratings above average. I think we will eventually see a lower acreage estimate, but it is difficult to say when that might happen. My guess is that it will be in the September supply and demand report. There is too much anecdotal evidence of acreage loss not to believe that we will see some adjustments down the road.

So, with the current new crop ending stocks estimate at 425 million supplies seem pretty comfortable, but if we take away 2 million acres and two bushels per acre, one can see how ending stocks could slip below 200 million. The outlook for the soybean market is much different than it was a couple of months ago, there is definitely some fear out there that we will see stocks get uncomfortably tight.

As for the wheat, there isn't anything good to talk about. The new crop ending stocks estimate is at 842 million, which was up 28 million from last month. USDA increased the export estimate by 25 million, which is bizarre because we aren't

even on pace to meet the old estimate. On the chart, the December KW fell out of the bottom of the trading range, which suggests a move back to \$5.60.

The December corn chart looks friendly since that market has reached the highest level in just over a year. The momentum of the market is clearly up and if traders stay a little bit nervous about production we could see this market continue on to the \$4.70 area. It will take a yield estimate of 160 or less to get the market beyond \$4.70 at this point.

The November soybean chart is interesting. We could be starting another leg higher. Right now there is very clear resistance at the \$10.40 area, but a move through that would suggest we are in for a move over \$11.00. All it will take is a bit more fear about acreage and yield to fuel the next wave of fund buying.

The cattle market was very disappointing last week. The boxed beef market is under pressure, cash cattle traded at \$150, the feeder cattle futures are ignoring the strength in the cash market, and the charts, particularly the live cattle,

look bearish. The August live cattle fell to the lowest level since May first, so we have a lot of recent longs wrong the market. The overall fundamental outlook still looks bullish since the slaughter rate is so low, but right now the beef is competing with imports and cheaper competing meats. The charts look bad so plan on more pressure, but eventually we will see a big turn in this market.

Schwieterman Marketing, L.L.C. specializes in risk management and cash grain and livestock marketing plans. For information on the markets or our marketing service you can contact Bret Crofts at 888-437-9131 or bret@subell.net.

The information contained herein is based on data obtained from recognized statistical services and other sources believed to be reliable. However, we have not verified such information and we do not make any representations as to the accuracy or completeness. Past results are not necessarily indicative of future results. All statements contained herein are current opinions, which are subject to change. The risk of loss in trading commodity future contracts is substantial. You should therefore carefully consider whether such trading is suitable for you in light of your financial condition. Neither the information, nor any opinion expressed shall be construed as an offer to buy or sell any futures or options on futures contracts.

Agriculture Secretary Vilsack announces selection of Dr. Robert Johansson as USDA Chief Economist

Agriculture Secretary Tom Vilsack recently announced the selection of Dr. Robert Johansson as U.S. Department of Agriculture (USDA) Chief Economist, effective July 12. Dr. Johansson has served as USDA's acting chief economist since Jan. 3, 2014, and as deputy chief economist since 2012. He joined USDA in 2001.

"I am pleased that Dr. Johansson's leadership will continue to guide informed decision-making at USDA to benefit American agriculture," said Vilsack. "Dr. Johansson is highly respected for his analysis and experienced insight, and extremely well prepared for the demands of this position."

As Chief Economist, Dr. Johansson is responsible for USDA's agricultural forecasts and projections and for advising the Secretary of Agriculture on economic implications of programs, regulations, and legislative proposals. His responsibilities include the Office of the Chief Economist, the World Agricultural Outlook Board, the Office of Risk Assessment and Cost-Benefit Analysis, the Global Change Program Office, and the Office of Energy Policy and New Uses. He

also serves as chairman of the Federal Crop Insurance Board of Directors.

During his federal career, Dr. Johansson also worked as an economist at USDA's Economic Research Service, as well as in the Office of Information and Regulatory Affairs at the Office of Management and Budget, and at the Congressional Budget Office. In 2011, he was appointed senior economist for energy, environment, and agriculture on the President's Council of Economic Advisors where he also participated on the White House Rural Council and the President's Council on Jobs and Competitiveness.

Dr. Johansson holds a Ph.D. and a master's degree in agricultural economics from the University of Minnesota and a Bachelor of Arts in economics from Northwestern University. He served with the U.S. Peace Corps from 1990 to 1995 as an Extension agent in Gabon and the Democratic Republic of Congo. His research has spanned a wide range of issues, including biofuels policy, water quality and quantity policies, regulatory economics, food security, and regional modeling of agricultural systems.

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For our sale Friday, July 10, light steer and heifer calves sold at fully steady prices on the kind offered. Heavy unweaned calves and heavy feeder cattle were selling on a lower trend. Cull cows sold mostly steady on the kind offered.

STEERS AND BULL CALVES — 400-550 LBS

Wamego	8 bwf	453@329.00
Summerfield	3 xbred	421@317.00
Summerfield	4 xbred	472@300.00
Havensville	6 mix	502@296.00
Oskaloosa	3 xbred	521@287.00
Americus	4 xbred	523@286.00
Wamego	15 blk	546@282.50

BULLS & FEEDER STEERS — 550-975 LBS.

Manhattan	3 blk	558@255.00
Blue Rapids	8 blk	608@248.50
Onaga	15 blk	639@242.50
Americus	6 xbred	650@242.00
Council Grove	4 xbred	616@241.00
Council Grove	6 blk	656@239.50
Alma	11 blk	653@237.00
Alta Vista	6 xbred	625@231.00
Emporia	28 blk	675@230.00
Havensville	6 blk	666@228.50
Blue Rapids	9 blk	723@225.00
Council Grove	12 xbred	736@221.00
Onaga	9 blk	753@218.50
Randolph	4 xbred	713@218.00
Emporia	32 blk	771@217.00
Chapman	4 blk	730@215.50
Randolph	5 char	737@215.00
Alma	15 blk	776@214.50
Elmdale	8 blk	735@214.00
Alta Vista	12 xbred	696@212.00
Randolph	20 char	851@204.50
Alma	10 blk bwf	820@204.00
Alma	5 blk	825@200.00
Emporia	4 blk	960@179.00

HEIFER CALVES — 425-550 LBS.

Manhattan	3 blk	490@254.00
Americus	9 xbred	526@251.50
Summerfield	3 xbred	448@251.00
Emporia	4 blk	505@249.00
Manhattan	5 blk	536@247.00
Scranton	7 xbred	549@239.50
Summerfield	4 xbred	531@235.50

FEEDER HEIFERS — 550-900 LBS

Onaga	7 blk	589@235.00
Alma	11 blk	564@233.00
Blue Rapids	13 blk	625@232.00
Elmdale	8 blk	591@230.00
Americus	7 xbred	640@229.50
Emporia	21 blk	631@229.25
Council Grove	11 xbred	594@227.50
Randolph	3 xbred	653@221.50
Alma	4 blk	666@221.50
Onaga	16 blk	669@220.00
Elmdale	13 blk	669@217.00
Alma	16 blk	678@213.75
Emporia	28 blk	699@211.50
Chapman	3 blk	720@206.00
Council Grove	15 xbred	706@200.00
Alma	8 blk	782@196.50
Emporia	7 blk	793@196.00
Randolph	3 char	791@188.50
Alma	3 xbred	766@185.00
Randolph	8 char	881@184.00

COWS & HEIFERETTES — 825-1,950 LBS

Wamego	3 bwf	833@190.00
Wamego	3 bwf	995@178.50
Onaga	1 blk	1055@175.00
Onaga	1 blk	950@171.00
Blaine	1 blk	1130@169.50
St. George	1 blk	1285@116.00
Goff	1 blk	1155@114.50
St. George	1 blk	1380@112.75

Goff	1 blk	1530@112.50
Goff	1	1255@111.50
Goff	1 blk	1185@111.00
Morganville	1 blk	1380@110.50
Goff	1 blk	1190@110.50
St. George	1 blk	1160@110.50
St. George	1 blk	1265@109.00
Wamego	1 xbred	1140@109.00
Goff	1 blk	1465@108.50
Allen	1 bwf	1590@108.50
Morganville	1 blk	1350@108.00
Goff	1 blk	1540@107.50
Goff	1 blk	1445@107.50
Americus	1 xbred	1630@107.50
Allen	1 blk	1425@107.00
Wamego	1 blk	1465@106.50
St. George	1 blk	1190@106.00
Morganville	1 blk	1200@103.50
St. George	1 blk	1380@103.00
Allen	1 blk	1480@103.00
Goff	1 blk	1285@102.50
Wamego	1 blk	1150@101.50

BULLS BY THE HEAD

Manhattan	1 simm	\$2,700.00
Manhattan	1 blk	\$2,600.00
Manhattan	1 blk	\$2,600.00

BULLS — 1,650-2,100 LBS.

Randolph	1 blk	1650@145.00
Alta Vista	1 herf	2075@136.00
St. Marys	1 blk	1940@135.00
Alta Vista	1 blk	1855@134.00
Goff	1 blk	1950@133.00
Manhattan	1 simm	1805@126.00

COW/CALF PAIRS

Topeka	1 bwf	SS	\$2,025.00
Riley	2 xbred	7 & SS	\$1,975.00
St. Marys	2 blk	BM & 00	\$1,825.00

BRED COWS

	Age	Mo.	
St. Marys	1 blk	00	7 \$1,700.00
St. Marys	1 blk	SS	6 \$1,675.00
St. Marys	3 blk	BM	8 \$1,675.00
St. Marys	1 blk	SS	8 \$1,650.00
St. Marys	1 blk	BM	5 \$1,625.00
St. Marys	1 blk	SS	6 \$1,625.00
Leonardville	1 blk	00	5 \$1,600.00
Abilene	1 blk	SS	7 \$1,585.00
Havensville	3 blk	00	6-7 \$1,525.00

EARLY CONSIGNMENTS
FRIDAY, JULY 17TH
20 blk strs & OCV hrs, 600-700 lbs.

EARLY CONSIGNMENTS
FRIDAY, JULY 24TH
120 Choice Reputation blk strs, off grass, 700-800 lbs.
85 Choice Reputation bwf strs, 600-800 lbs.
51 blk & red-x strs, off grass, 800-900 lbs.

EARLY CONSIGNMENTS
FRIDAY, JULY 31ST
34 Angus fall bred hrs. Synchronized and AI bred on Dec. 18th to black Angus Right Answer bull. Clean up 60 days with Sons of In Focus bull
20 red Angus fall bred hrs. Synchronized and AI bred on Dec. 18th to red Angus Conqueror bull. Clean up 60 days with Sons of In Focus bull

EARLY CONSIGNMENTS
FRIDAY, AUGUST 7TH
68 Choice Reputation blk and red Angus strs & hrs, all shots. Fly tags, wormed, poured, weaned in May, 500-700 lbs.
40 Hereford & Hereford-Angus strs, 2 rds shots, wormed, weaned, 700-800 lbs.

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Kansas Hay Market Report

Hay trade slow. Demand moderate for dairy alfalfa, light for grinding alfalfa and alfalfa pellets and grass hay. The southeastern third to half of Kansas had rain and flooding last week. A storm two weeks ago hit the western part of Gray County with hail and high winds destroying crops, some sprinklers, trees and powerlines. Straw demand is down this year in western Kansas because of the large triticale crop. North Central Kansas is getting really dry and the Wheat is not as good in this part of the state. If you have hay for sale or pasture to rent or need hay or grazing, use the services of the Hay and Pasture Exchange:

www.kfb.org/commodities/haypasture/index.html

Southwest Kansas

Dairy and grinding alfalfa steady. Movement slow. Alfalfa, Horse, 250.00 small squares. Dairy, .90-1.00/point RFV, Supreme 180.00-200.00; Premium 160.00-185.00, Good 120.00-160.00. Dry Cow alfalfa, 100.00-120.00. Fair-Good grinding alfalfa, at the edge of the field 90.00-100.00. Ground and delivered locally to feedlots and dairies 125.00-140.00, mostly 125.00-130.00. The week of 6/29-7/1, 7,327T of grinding alfalfa and 750T of dairy alfalfa were delivered. Straw, Good, large bales 60.00-65.00 delivered. Corn stalks 50.00-55.00, ground and delivered 80.00-100.00. CRP, Good, large rounds 70.00, Fair 55.00-65.00. Cane or BMR Sudan, Good large bales 65.00-75.00. Oat hay, Good small square 150.00, large square 120.00, large round 70.00.

South Central Kansas

Dairy and grinding alfalfa and alfalfa pellets steady. Movement slow. Alfalfa: Dairy, .95-1.00/point RFV, a little at 1.07 for out of state shipment, Supreme, 180.00-200.00; Premium 160.00-185.00. Fair-Good grinding alfalfa at the edge of the field 80.00-100.00, mostly 80.00-90.00; Utility-Fair 70.00-80.00. Ground and delivered locally to feedlots, 125.00-140.00. The week of 6/29-7/1, 4,407T of grinding alfalfa and 750T of dairy alfalfa were delivered. Alfalfa pellets: Sun Cured 15 pct protein 145.00-170.00, 17 pct protein 170.00-185.00; Dehydrated 17 pct 245.00. Straw, Good, large bales 55.00-65.00. Cane or BMR Sudan, Good large bales 60.00-70.00, Fair quality 50.00-55.00. Oat hay, Good large round 70.00-80.00.

Southeast Kansas

Alfalfa, brome and prairie hay steady. Movement slow. Alfalfa: Horse or Goat, mid squares 250.00; Dairy and Stock Cow 1.00 to 1.07, an instance 1.10/point RFV, Premium-Supreme 190.00-200.00. Bluestem: Good, small squares, 120.00-140.00, mid and large squares 80.00-110.00, mostly 80.00-90.00, instance 70.00, large rounds 55.00-65.00, Fair 50.00-55.00; Brome: Good, Small squares 120.00-145.00, mid and large squares 100.00-125.00, large rounds 60.00-70.00, fair 50.00-60.00. Grass Mulch CWF, large round 45.00-60.00.

Northwest Kansas

Grinding alfalfa steady. Movement slow. Alfalfa: Dairy Premium-Supreme 190.00; Stock cow, Fair-Good, 1.00/point RFV. Fair, Grinding alfalfa at the edge of the field 90.00-

100.00. Ground and delivered to feedlots and dairies 115.00-145.00.

North Central-Northeast Kansas

Dairy alfalfa and grinding alfalfa steady, prairie hay and brome steady, to soft. Movement slow. Alfalfa: Horse, 300.00, some 8.00-9.00/small square bale, delivered; Dairy, Supreme 185.00-210.00, New Crop 1.00-1.10/point RFV; Premium, 165.00-185.00; Stock Cow, Fair-Good, 1.00/point RFV, Utility-Fair grinding alfalfa at the edge of the field, 70.00-90.00; Ground and delivered 130.00-145.00. Grass hay: Bluestem Good, small squares, 5.00-6.00/bale, 110.00-135.00, Mid squares 70.00-90.00, large rounds 45.00-70.00, mostly 50.00-60.00. Brome: Good, small squares, 6.00/bale, 120.00-145.00/T, Mid squares, 100.00-110.00, Good, large round, 25.00-50.00/bale, 60.00-70.00/T, most 65.00, damaged 50.00-60.00; CWF Grass mulch, large round 60.00-65.00. Straw, Good, small squares 4.00/bale or 4.50-5.00 delivered/bale; large square bales 60.00-75.00/T, large round 50.00-60.00. Sudan, Good large round 70.00-75.00, Fair 60.00-65.00.

****Prices are dollars per ton and FOB unless otherwise noted. Dairy alfalfa prices are for mid and large squares unless otherwise noted. Horse hay is in small squares unless otherwise noted. Prices are from the most recent sales. *CWF Certified Weed Free *RFV calculated using the Wis/Minn formula. **TDN calculated using the Western formula. Quantitative factors are approximate, and many factors can affect feeding value. Values based on 100% dry matter (TDN showing both 100% & 90%). Guidelines are to be used with visual appearance and intent of sale (usage). Source: Kansas Dept of Ag-USDA Market News Service, Dodge City, KS Steve Hessman, Rich Hruska, OIC (620) 227-8881 www.ams.usda.gov/mnreports/DC_GR310.txt The Kansas Hay Market Report is provided by the Kansas Department of Agriculture with technical oversight from the USDA Agricultural Marketing Service.*

K-State Risk and Profit Conference set for Aug. 20-21

Weather on the High Plains has always been fickle, but this year has been extreme - even for Kansas. Going from a several-year drought to sometimes flooded fields and full ponds in a few short months makes for unusual times for agricultural producers. Those circumstances and more will be addressed at Kansas State University's 2015 Risk and Profit Conference planned for Thursday, Aug. 20-Friday, Aug. 21.

The conference will be held at the K-State Alumni Center in Manhattan. Elwynn Taylor, Iowa State University professor of agricultural meteorology, will give the keynote ad-

dress, "Extreme Weather for Crops: Too Dry, Too Wet, and Even Ideal," after the kickoff luncheon Aug. 20. His knowledge of the world enlightens and entertains in a clear, concise way.

Gary Brester, professor of agricultural economics at Montana State University, will present, "Whither the Cattle Cycle? Drought or Something Else?" to start the day Aug. 21. His research includes livestock and grain, risk management, international trade and farm management.

Keith Coble, the W.L. Giles Distinguished Professor of Agricultural Economics at Mississippi State University, will address, "Future Farm Policy and Drought Risk" prior to lunch on Aug. 21. He has analyzed how farmers can use futures contracts, crop insurance, and federal commodity programs. His work in renewable energy focuses on federal policy and economic feasibility.

Adrian Polansky, executive director of the U.S. Department of Agriculture's Farm Service Agency in Kansas, and Ron Suppes, Kansas Wheat commissioner and former chairman of U.S. Wheat Associates, will participate in a panel discussion Aug. 21.

K-State Research and Extension agricultural economists Glynn Tonsor and Dan O'Brien will give their outlooks for the livestock and grain markets, respectively.

With 18 breakout sessions ranging from "Do Kansas Farmers Pay Taxes?" to "Chipotle" to "Looking to the Future for the Kansas Grain Industry: Elevators, Railroads and Services," attendees can choose from a variety of topics, presented by K-State specialists.

The fee to attend the full conference is \$175 if paid by Aug. 14 and \$200 after that date. The fee includes all sessions, plus proceedings on a CD, parking, and meals. Additional participants from the same business may attend at a reduced rate. The fee to attend one day is \$125 if paid by Aug. 14; \$150 after that date.

Registration is available online at www.AgManager.info/events/risk_profit/2015 or by contacting Rich Llewellyn at 785-532-1504 or rvl@ksu.edu.

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Airco MIG welder; Delta table saw; John Deere tractor; rear tine roto tiller; high wheel push mowers; irrigation pump; Laboratory sinks; Canon Pro 1 printers new in the box; overhead projectors; printers; screens; folding tables; large selection of office chairs; wooden bar stools with metal bases; desk chairs; metal and wood desks; lateral file cabinets; metal storage cabinets; medical cabinets; wood bookshelves; wooden cabinets; wooden desk with glass top; credenzas; chalkboards; love seat; miscellaneous interior and exterior doors; baskets; fluorescent lighting fixtures; patio furniture.

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SATURDAY, JULY 25, 2015 — 9:00 AM
1425 Colorado — **MANHATTAN, KANSAS**

Round Oak dining table, 3 leaves; 6 Oak chairs; Oak switch board (From Chapman, Ks) with chair & manikin; custom made oak table & 4 chairs; 4-drawer Mahogany chest; 2 Lazy Boy rocker recliners; table with drawer; Oak office chair; Maple twin bed; arm chair; bookcase; 9-drawer chest; Oak library table; rocker; metal & glass stand; phone stand; parlor table; 4 wood chairs; 4-drawer chest; Oak hall tree; humpback & flat top trunks; fancy antique floor lamp; what-not shelf; end tables; rattan seat chair; stool; rocker; stands; several wall shelves; 3-drawer stand; footstool; 1/2 round stand table; 2 glass front bookcases; 1950's utility cart; 1950's dinette table; treadle sewing machine; coat rack; 4 stools with cast iron implement seats; small upright deep freezer; floor lamp; metal stool; office chairs; dehumidifier; 4-drawer file cabinets; folding chairs; small wood chair; tall stand luggage.

Collection of phones including wall phone, box phone, various styles & colors of rotary dial phones; porcelain & tin phone signs; telephone insulators; telephone parts & testers; 8 kerosene lamps; cast iron & brass kerosene lamp; cast iron elephant bank advertising independent stoves; **Approximately 300 Kewpie dolls, memorabilia & literature**; lard press; foot warmer; Maxfield Parish print; Americus woodcuts; etched stemware; candlewick tray; Toby jug; bells; figurines; antique plates; covered dish; variety of antique pictures & frames; kitchenware; doll bed; Lucky Strike tin; tins; vintage clothing; child's rocker; coral money clip; Kansas Centennial buckle; old keys; beaded purse; child's & sad irons; oval picture frames; RR & other locks; crocheted items; sewing; 2 unique Dictaphone machines; baskets; small wood propeller; tennis racquets; wood folding rulers; 4 rack jugs; lanterns; 2 children's wagons; wooden boxes; cameras; wood ammo box; doll buggy; hats & hat boxes; JD thermometer; trivets; granite items; baskets; wire egg basket; wood recipe boxes; Don't Spit on the Sidewalk & other name bricks; cast iron hot water tank stand; coffee tins; iron implement wheels; antique auto magazines; Western Flyer trike; children's books; Packard car trunk; chaise lounge; folding table; lawn chairs; croquet set; card tables; microwave; plasticware; can opener; pots; pans; skillet; bread box; knives; silverware; kitchen utensils; blender; coffee pots; cake carrier; cookie sheets; broiler oven; electric & manual typewriters; adding machines; thermometers; timers; plates; vases; coolers; thermoses; brass items; cups & saucers; water glasses; Holiday decorations; fans; vacuums; window fans; milkglass; paper products; bowls; flower pots; mirrors; games; trophies; office supplies; cleaning supplies; bike; TV trays; bushel baskets; ironing board; step stools; floor lamp; walker.

Craftsman 9" radial arm saw; Sears sander; Lincoln 225 electric welder; 3 push lawn mowers; gas BBQ grill; bench grinder on stand; port power; belt sander; acetylene-gauges, cutting torch; hydraulic, floor & house jacks; air bubble; wheelbarrow; roll around shop cart; chain hoist; Champion spark plug cleaner; blow torch; vises; small electric hack saw; weedeater; bar clamps; wood working planes; angle grinder; drills; body tools; mitre box & saw; several step ladders & stools; landscape timbers; misc. lumber; shop vac; log & other chains; auto bike rack; shovels; hoes; rakes; garden tools; axes; screwdrivers; pliers; punches; open & box end wrenches; sockets; Snap-On air tools; files; braces; flaring tools; trowels; drill bits; bars; pitch forks; reel cords; C-clamps; block & tackle; hammers; pliers; tools; pulleys; saws; pipe wrenches; old auto horns & car parts; saw horses; bars; toolboxes; organizers; paint brushes; tree saw; oil cans; oil products; grease guns; large monkey wrench; 4-way wrenches; electric motors; auto testing equipment; creepers; 1960's & 70's auto service manuals; gas cans; dolly; garden hose; 3 bird baths; lawn cart; fire extinguishers; lawn sprayer; 40 gallon propane bottle; awnings; tires; wheels; metal boxes; wood truck box; nails; bolts; screws; hardware; electric & plumbing supplies; lots more!

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Legal: S20, T14, R12E, new legal TBD by survey, NE1/4 NE1/4 LESS RW

416 East 1st Street, Eskridge • Seller: Denis L. Wapelhorst



Here is your chance to own a home close to Lake Wabaunsee on **2 acres M.L.** Home has lots of potential with 1 bedroom, 1 bath on the main floor, on the 2nd floor 2 bedrooms and 1 bath
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↑ Call listing agent Connie Havenstein 785-845-6639 ↑

56 Acres on Snokomo Frontage Road
Seller: Pierce Creek Land, Inc



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U.S. beef, pork exports sluggish in May

After an encouraging performance in April, exports of U.S. beef and pork lost momentum in May, falling below year-ago levels in both volume and value according to data released by USDA and compiled by the U.S. Meat Export Federation (USMEF).

Beef exports moved counter-seasonally lower in May, dropping 14 percent from a year ago to 88,466 metric tons (mt). Export value dipped lower year-over-year for the first time since January, reaching only \$556.7 million (down 6 percent). For January through May, exports totaled 430,393 mt, down 10 percent from the same period in 2014. Export value remained ahead of last year's pace at \$2.68 billion (up 2 percent).

January-May beef exports equated to 13 percent of total beef production and 10 percent for muscle cuts only - down from 14 percent and 10.6 percent, respectively, last year. Export value per head of fed slaughter averaged \$291.70, up 9 percent from a year ago.

Pork exports totaled 184,865 mt in May, down 2 percent from a year ago, while value slipped 18 percent to \$489.2 million. Through the first five months of 2015, pork exports were down 6 percent in volume (910,967 mt) and 15 percent in value (\$2.42 billion) from the same period last year.

January-May pork exports equated to 25 percent of total production and 21 percent for muscle cuts only - down from 28 percent and 23 percent, respectively, a year ago. Pork export value per head slaughtered averaged \$51.39, down 19 percent from the first five months of 2014.

Korea a bright spot for U.S. beef

Beef exports to South Korea remained strong in May, increasing 5 percent from a year ago in volume (9,740 mt) and 11 percent in value (\$64.8 million). This pushed January-May exports to Korea 4 percent higher in volume (48,568 mt) and 9 percent higher in value (\$341.9 million). The market could see a short-term slowdown, however, due to the toll the recent outbreak of Middle East respiratory syndrome (MERS) has taken on consumer spending in Korea. MERS was first diagnosed in Korea on May 20, but became a major public health concern in early June.

"Although MERS is not a food safety issue, its impact on Korea's restaurant sector was dramatic in June," explained Philip Seng, USMEF President and CEO. "Fortunately our staff in Korea reports that the situation has improved significantly this month, with consumer activity beginning to return to normal. We expect beef demand in the Korean market - which is one of our strongest performers in 2015 - to rebound fairly quickly."

Another bullish factor is Korea's domestic beef prices, which soared to near-term highs in June, reflecting relatively tight supplies.

Results for U.S. beef in other Asian markets have been mixed so far in 2015,

with most struggling to keep pace with last year's import volumes. Exports to Japan slumped in May, falling 10 percent from a year ago in volume (17,964 mt) and 15 percent in value (\$106.9 million). Through May, exports to Japan remained modestly higher than a year ago at 88,936 mt (up 2 percent) valued at \$564.6 million (up 3 percent).

Other January-May results for U.S. beef included:

Exports to Hong Kong fell 17 percent in volume (49,264 mt) and 8 percent in value (\$370.4 million).

Export value to Taiwan managed a solid increase (\$117.5 million, up 13 percent) despite a 5 percent decline in volume (12,321 mt).

Although exports to the ASEAN region were down 23 percent in volume (9,155 mt), export value was still up 14 percent to \$63.5 million. Major destinations performed well, with exports exceeding year-ago levels to the Philippines, Vietnam and Singapore. The regional drop in export volume was mostly due to a sharp decline in exports to Indonesia (624 mt, down 85 percent), driven in large part by restrictive import regulations and a severely weakened currency.

While beef export value has managed to stay in positive territory in most Asian markets, Seng cautions that the U.S. industry faces a volatile business climate.

"Lack of access to China, which never reopened after the 2003 BSE case, is definitely holding back our export growth," he said. "China is a burgeoning market that impacts prices and product flow throughout a large region and its influence on global beef trade is growing rapidly. Exporting to China would significantly expand the presence of U.S. beef in Asia, but we remain on the sidelines as our competitors gain a stronger foothold."

Just four years ago,

China's beef imports totaled only \$112 million for an entire calendar year. Through May of this year, imports exceeded \$700 million - up 17 percent from the record pace of 2014. Primary suppliers are Australia, Uruguay, New Zealand and Argentina.

Pork exports slip to mainstay destinations Japan, Mexico

After a relatively strong performance in April, pork exports to Japan and Mexico took a step back in May. Export volume to Japan dipped 9 percent from a year ago to 39,340 mt, while value was down 18 percent to \$152.9 million. Through the first five months of the year, exports to Japan were down 11 percent in volume (189,188 mt) and 18 percent in value (\$705.2 million).

May exports to Mexico were the lowest in 19 months at 53,186 mt, down 6 percent from a year ago. Export value fell by nearly one-third to \$95.1 million. For January through May, exports to Mexico remained 5 percent ahead of last year's pace in volume (291,184 mt) but were down 17 percent in value (\$508.7 million), reflecting the decline in pork prices from last year's record levels.

Other January-May results for U.S. pork included:

Exports to Korea cooled slightly in May but remain on a very strong pace, with volume up 38 percent to 95,686 mt and value up 37 percent to \$285.1 million. Pork demand also took a short-term hit due to MERS, but should be strong in coming months as domestic production is taking longer than expected to recover from the impact of recent outbreaks of PEDv and FMD. Korea's domestic pork carcass prices edged slightly lower June but still averaged \$2.40 per pound - among the highest in the world.

Growth to Honduras and Guatemala offset smaller

volumes to Colombia, resulting in steady volume to Central/South America (51,257 mt). Export value was down 3 percent to \$132.8 million. The outlook for this region looks positive as exports to Colombia gained momentum in May and shipments to Honduras and Guatemala have surged even higher in recent weeks.

Limited access to China, which only a small number of U.S. pork plants are eligible to serve, continues to dampen exports to the China/Hong Kong region - a critical destination for selected pork and pork variety meat items, especially with China's hog prices hitting multi-year highs. Export volume was down 21 percent from a year ago to 130,525 mt and value fell 26 percent to \$273.6 million. The European Union is dominating the region's imported pork market, accounting for nearly 70 percent of pork entering China/Hong Kong.

Exports to the ASEAN region were down sharply, falling 51 percent in volume (16,200 mt) and 58 percent in value (\$35.5 million) on lower shipments to the Philippines and Singapore.

"The tremendous influx of lower-priced European pork has reshaped the competitive landscape in Asia," Seng noted. "The European industry has aggressively targeted Japan and China, successfully capturing market share. But we're also seeing a significant impact in smaller markets such as the Philippines, Taiwan, Singapore and Australia, and Korea continues to be a strong destination for European pork. While this surge was prompted by the closure of the Russian market, this is not a short-term phenomenon. There has been a significant transition in

global pork trade patterns and we expect it to have a lasting impact."

Russia was traditionally the largest destination for EU pork, but suspended imports in January 2014 due to African swine fever. Russia also included pork from the EU, U.S. and Canada in the trade embargo imposed last year as a result of the ongoing conflict in Ukraine. Russia recently announced that it would extend this embargo through June 2016, meaning that large supplies of European pork will continue to flow to other markets. The weakened euro - currently down about 22 percent year-over-year versus the U.S. dollar - has also bolstered the competitive-

ness of EU pork.

May lamb exports rebound slightly, but remain lower year-over-year

After hitting a low point for the year in April, May lamb exports rebounded to some degree, reaching 901 mt (steady with last year) valued at \$1.68 million (down 29 percent). Through May, 2015 exports were down 18 percent in volume (3,679 mt) and 26 percent in value (\$8.27 million) from a year ago. While lamb exports have achieved promising growth in emerging markets in the Middle East and the Caribbean, these gains were offset by sharp declines to Canada and Mexico.

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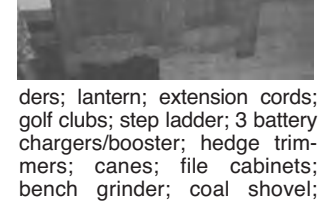
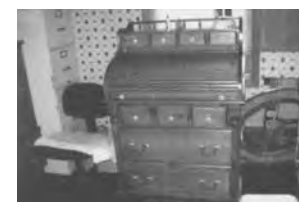
Public Notice by Kansas Pork Association and the National Pork Board

The election of pork producer delegate candidates for the 2016 National Pork Producers (Pork Act) Delegate Body will take place at **1:00 p.m., Friday, July 31, 2015**, in conjunction with an Executive Board meeting of the Kansas Pork Association at the IGP Executive Conference Center, 1980 Kimball Avenue, Manhattan, KS 66506. All Kansas pork producers are invited to attend.

Any producer, age 18 or older, who is a resident of the state and has paid all assessments due may be considered as a delegate candidate and/or participate in the election. All eligible producers are encouraged to bring with them a sales receipt proving that hogs were sold in their name and the checkoff deducted. **For more information, contact Kansas Pork Association, 2601 Farm Bureau Road, Manhattan, KS, telephone 785/776-0442.**

AUCTION

SATURDAY, JULY 18 — 9:31 AM
Held at the National Guard Armory — ABILENE, KANSAS



Wood clamps; 14' extension ladder; 11 wood desks; roll top desk; metal desk; lots of pictures; old dresser; office chairs; several chest of drawers; bookcases; lamps; desk lights; Janome Sewist 509 sewing machine; organ; bedding; 12 w/elec. AC window; 2 old portable sewing machines; Simplicity portable; bed; hall tree; wood storage chest; Thomas organ; dry sink; floor lamp; vacuum cleaners; sewing notions; wood chest; matching lamps; 3-cushion couch; coffee table; plant stands; TVs; Grandfather

clock; radio; silverware in case; clocks; flat front china closet; 2 recliner love seat; magazine racks; dishes: clear, cut, old glass; milk glass; small table; library stand w/slide doors; night stand; 2 small tables; wall clock w/display shelves; 2 handicap beds, electric; 3-cushion couch; old entertainment set; 2 chest drawers; desk; dressers; washer/dryer; upright freezer; metal desk; metal shelving; wood desk chair; bed; card tables/chairs; dresser w/mirror; kerosene lamp; luggage; several phonographs; coal bucket; step lad-

ders; lantern; extension cords; golf clubs; step ladder; 3 battery chargers/booster; hedge trimmers; canes; file cabinets; bench grinder; coal shovel; sewer snake; hand saw; treadmill; organs; piano; electric patio stove; canister sweeper; 45 records; stools; brass hall tree; cassettes; old cabinets; lots books; dropleaf table; wood shelving; straight back chairs; wheel chair/walker; 18 cu. ft. Frigidaire refrigerator; mixer; lots & lots of fruit jars; dehydrator; 6 ft. ladder; kitchen table w/porcelain top; 3 microwaves; electric stove; shop vac.
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Three families, one story to be featured at Pioneer Bluffs Ranching Heritage Prairie Talk

The culture of agriculture is a life dependent on weather and hard work, sustained by spectacular landscapes. Flint Hills families who have been ranching for generations have stories of their unique heritage, and share these stories in a series of community discus-

sions at Pioneer Bluffs near Matfield Green.

At 1:30 p.m. on Saturday, August 1, the ranching heritage of three connected families will be explored. Marcia and Wayne Bailey of Hamilton, along with their sons, Wes and Buck of Bazaar, will tell stories, leg-



TS Ranch is one of the ranches whose history will be highlighted at the next Pioneer Bluffs Ranching Heritage Prairie Talk.

Courtesy photo

ends, and anecdotes of the Bailey, Titus, and Stout families. Community members are invited to this free Prairie Talk.

Beginning in the 1800s, these families have taken care of Flint Hills land for generations. It is said that Colonel George Washington Bailey was the first to bring registered shorthorn cattle to the area, where he ranched on the upland near Teeterville Hill. In the early days, the family drove cattle from the train at Matfield

Green east to Greenwood County.

Wayne's parents, D.M. and Opal Bailey of Matfield Green, hired an all-female crew during the Vietnam War when Wayne, his brother Darwin, and many other local men went off to serve their country.

The heritage of Marcia Stout Bailey includes her grandfather, Dr. A.E. Titus, who started the TS Hereford Ranch at Bazaar. Dr. Titus is

still remembered in this area - he delivered more than 5,000 babies in Chase County. Marcia, Wayne, and their sons continue to take care of the TS Ranch.

Today the Baileys look after 8,000 head of cattle each year. They have many family stories to share... riding barrels and saddle broncs in ranch rodeos, Dr. Titus digging a bullet out with an unusual tool, early days of Bazaar 4-H, and much more.

Jim Hoy, local author and historian, will be the moderator for this community discussion.

For those wishing to arrive around noon, a picnic lunch will be available. Lunch reservations are requested. There is no charge for the Prairie Talk or lunch, although donations are greatly appreciated. For information or to make

lunch reservations, contact executive director Lynn Smith at (620) 753-3484 or lynn@pioneerbluffs.org.

The Bailey/Titus/Stout story is part of the Pioneer Bluffs Ranching Heritage Prairie Talk series. The next talk in the series will be from founders of Ranchland Trust of Kansas on Saturday, November 7.

Pioneer Bluffs, on the National Register of Historic Places, is the original homestead of the Rogler Ranch and is now a nonprofit prairie education organization with a mission to respect the land, preserve history, and engage with community.

Pioneer Bluffs is located one mile north of Matfield Green or 15 miles south of Cottonwood Falls on Flint Hills National Scenic Byway K-177.

All in good authority - TPA becomes law

By Audrey Schmitz

In a successful bipartisan effort President Obama signed the Trade Promotion Authority into law on June 29. The Trade Promotion Authority (TPA) is a federal legislative procedure that requires the president and Congress to work together on trade agreements that support U.S. jobs, eliminate barriers in foreign markets and establish rules to stop unfair trade.

"The TPA sets up or cre-

ates the ability to finish trade agreements that will have benefits for farmers," said Dalton Henry, director of policy for U.S. Wheat Associates. "It especially sets up the ability to do trade agreements in the best way possible or to get the best deal possible."

TPA is commonly referred to as a fast-track. In this process the negotiating authority is a temporary power granted to the president by Congress.

"In short, the passage of TPA gives the president the power and ability to actually complete a few of these trade agreements that are currently under negotiation," explained Henry.

Congress first outlines the different trade policy priorities, negotiating objectives and transparency requirements. These guidelines set by Congress are then given to the Executive Branch in which the President and Office of the U.S. Trade Representatives (USTR) reside. The USTR can then negotiate the agreement according to the congressional guidelines.

Once the negotiations are finalized the agreement goes back to Congress. Members of Congress proceed to vote to accept or reject rules of the agreement set by the president. No amendments can be made at this point in order to pass the agreement. These guidelines are a vital component of the TPA. They reassure trading partners that the United States will stick to the agreements as negotiated and no future changes will be made by Congress.

This TPA law is essential to quickly achieving final Trans-Pacific Partnership (TPP) agreements. The TPP is a multi-national trade agreement to establish a regional trade agreement in 12 countries that border the Pacific Ocean. The objective of the TPP is to boost U.S. economic growth, support American jobs, provide improved market access and to grow American exports to some of the world's most dynamic and fastest-growing countries.

U.S. wheat farmers could benefit greatly from the lower tariffs from Japan and Vietnam.

"Right now the only entity in Japan that can buy outside of that tariff there is the Ministry of Agriculture, Food and Fisheries," said Henry. "Essentially that tariff increases costs for Japanese millers and consumers and reduces demand for U.S. wheat while protecting the domestic Japanese wheat industry."

Vietnam is a major growth market for U.S. wheat and many competitors will soon have duty-free access to the Vietnamese market.

"I think it is important to keep those two markets in perspective," said Henry. "Japan is our number one customer of U.S. wheat and Vietnam is projected to grow tremendously over the next two decades to where they could easily be a major market for U.S. wheat growers."

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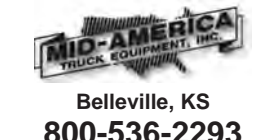
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 '74 JD 4030 w/ loader ..\$15,500
 '70 JD 4020\$8,500
 '83 IH 5088\$13,000
 '12 CIH 2900 MFWD ..\$174,900

TILLAGE

'12 JD 2100 5 shank ..\$9,500
 DMI Tiger II 7 shank ..\$9,750
 Peripheral 5 shank ...\$5,450
 '13 JD 2310 33'\$69,900
 CIH 4300 51'\$17,500
 Wilrich 3400 FC\$8,950
 '12 JD 2623 VT 26.5" ..\$42,500
 '10 CIH 30' Turbo VT ..\$44,000

HAY EQUIPMENT

'03 JD 567\$17,500
 '96 JD 566\$9,950
 '88 JD 530\$4,000
 '05 Gehl 2880\$8,500
 '05 NH 780, 3300 bales \$16,950
 '08 JD 285\$8,250



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USED IMPLEMENT

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USED EQUIPMENT 605 Super M baler 505 Super I Baler R2800 rake M850 Mower Demo NOW DEALERS PRAXAIR WELDING SUPPLY



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SALVAGE COMBINES ALLIS N7-6, L2, L, M, G, F2, F, CII, All; JD 8820, 7720, 7700, 6600, 4400, 3300, 105, 95, 55; MF 860, 760, 750, 510, 410; IH 1680, 1480, 1460, 915, 815, 715, 503, 403; NH TR70-85, 1400, 995, 985, 975.

SALVAGE TRACTORS ALLIS 7000-7080, 220, 210, 190XT; D17-19; JD 84-8630, 7520, 6030, 5020, 4630, 4430, 4020, 3020, 720, 730; CASE 1470, 1370, 1270, 1200, 1070, 930, 400; IH 1568, 1466, 1256, 1066, 1026, 806; FORD 4-5-6-8-9000; MF 2745, 1155, 1100, 90, 85; OLIVER 2150; MM G1000; WH2-150, 4-150.

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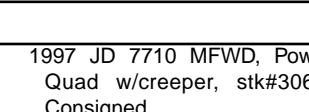
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 2001 JD 8310
 2012 JD 7330
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 2005 JD 625F
 2013 JD 630F

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 2013 JD 2623 disk
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 2011 Case IH 3020 flex 30'
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 1998 Case IH 2388 4WD
 1997 Case IH 2166 4WD
 1981 IH 963 6RN

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 Case IH Maxxum 140 MFD
 Case IH Farmall 115U MFD
 Case IH Farmall 105U MFD
 Case IH Farmall 85C MFD


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 2001 NH TL70 cab, 4WD
 2013 Case IH Magnum 340
 2013 Case IH Magnum 290
 2012 NH TS 6030, 4WD ldr.
 1993 Case IH 7140 MFD
 2013 Kubota M 9960 HDC 4WD, ldr.

MISCELLANEOUS
 2011 Case IH 330 turbo 31'
 2006 Case IH RMX 370 disc 28'
 2006 Case IH DCX 131, disk mower
 2011 Case IH 1240 16/31 fert.
 2010 Case IH 1240 16/31
 2008 Case IH 1240 16RN, BF

1995 Case IH 4800 FC 32'
 2007 MF 2745, net/twine
 1999 NH 658 twine
 1990 Hesston 1150 MoCo
 1980 IH 770 plow disk
 IH 490 disc 25'
 2011 BushHog 2715 flex mwr
 1999 Wood 3180 flex mower
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Employ these rules in making sound management decisions

By Katelyn Brockus, DEA,
River Valley Extension
District

It is that busy time of the year again. I am sure by now you have got your lake and vacation time in this summer, so it is time to get back to the cattle herd and start thinking about what the month of August brings. August is when forages are maturing, weaning time is approaching, and weather is dictating several key management decisions. The summer months are heavily focused on the breeding season and cull cow selection as well as grazing management. These two management decisions will be

discussed in detail along with general management decisions that must be considered within the month of August.

Rule number 1: It is crucial to remain firm in your operations desired breeding season. With high feed price inputs, this rule is one that should not be bent or broken. I know first-hand how hard it is to let your favorite cow go. I know what you're thinking, "Something had to have happened, and she just didn't get bred this year." While that may be true, it doesn't justify having a longer calving season or keeping a cow around that will only eat your

money until the next breeding season when you may or may not get her bred back. The moral to this story is to ruthlessly cull all unsound or unbred cows/heifers from the herd.

With every rule, there is always a subcategory. With this said, here is rule number 1A. Remove the bulls after 60 days with the cows or 45 days with heifers. A longer breeding season will result in a longer calving season which will result in more sleepless nights checking cows/heifers during calving season. Create a tight breeding season window, and your calves will remain more uniform and will

be easier to market down the road. This strict breeding season window will also create an increase in reproductive efficiency over time.

Rule number 2: Enhance grazing distribution by simple management decisions. First, place the mineral mixture away from water sources. This will result in a better grazing distribution as the cattle will walk to both mineral feeders and water on a daily basis. By placing the mineral away from the water, the forages will be grazed more uniformly. Second, observe pasture weed problems to aid in planning control

needed next spring. Remember that weeds multiply faster than your ability to destroy them. Keep close management on pasture weeds to ensure optimum grazing efficiency. Also, incorporate a rotational grazing plan if possible.

Rule number 2A: Sample harvested forages and analyze them for nitrate and nutrient composition. This is a rule that I cannot stress enough. When I get producer questions on building a ration, the first question I ask is "Have you tested your forages?" If this answer is no, then it makes for a much larger chance of error. While we like defining our forages as poor, fair, good, and excellent, it is much more efficient and practical to build a ration based off of nutrient composition. This will give us a better starting point with getting your animals nutritional requirements met.

My dad has always told me, "Numbers don't lie."

This statement couldn't be truer with nutrient composition and the ability to meet animal nutritional requirements. The cost of testing a forage depends on how detailed an analysis is desired. A basic nutrient analysis of forage costs \$12. This is a small price to pay in comparison to a loss in feed efficiency or a nutrient deficient animal. With these two basic rules and management guidelines, your operation will be more successful.

Remember to stick to a breeding season, cull cows that need to be culled, use sound management decisions to increase grazing distribution, and sample harvested forages for nutrient analysis. If you have any questions or would like to stop by and have a cow chat with me, then feel free to stop by the Washington Extension office. Questions or comments can also be directed to my email, kbrockus@ksu.edu, or by phone 785-325-2121.

Research shows that genomics can match plant variety to climate stresses

A new study led by a Kansas State University geneticist has shown that genomic signatures of adaptation in crop plants can help predict how crop varieties respond to stress from their environments.

It is the first study to document that these genomic signatures of adaptation can help identify plants that will do well under certain stresses, such as drought or toxic soils, said Geoff Morris, assistant professor of agronomy at Kansas State University and a researcher affiliated with the university's Feed the Future Innovation Lab for Collaborative Research

on Sorghum and Millet.

Researchers conducted the study with sorghum, one of the oldest and most widely grown cereal grain crops in the world. Sorghum is grown in Africa and Asia as well as in some of the world's harshest crop-growing regions. More than 43,000 sorghum varieties around the world have been collected and stored in crop gene banks, which are centers that serve as repositories for crop diversity.

"While sorghum is grown in some of the toughest climates in the world, we need to continue to increase the amount of grain it produces and its resilience to harsh

environments because nearly half a billion people depend on sorghum as a staple food source," Morris said. "We want this important crop plant to produce more food and have less loss."

Sampling from the crop gene banks, Morris and colleagues at Cornell University and the International Crops Research Institute for Semi-Arid Tropics, or ICRISAT, took "snapshots" of genetic information in the genomes of about 2,000 sorghum varieties. Because each sorghum variety was from a particular known location in an African or Indian village, the researchers

were able to tie the genetic differences of each variety to its survival in a particular environment.

With this data, Morris and colleague Jesse Lasky from Columbia University's Earth Institute were able to map each plant variety's "genomic signature" of environmental adaptation. This signature reflects how different plant varieties from around the world have adapted to stressors in their environment, such as drought and toxic metals in the soil.

The team then applied a drought stress to plants in the field to test whether genomic analysis could help predict what varieties would continue to thrive under drought. The team tested drought response in hundreds of different sorghum varieties at ICRISAT in India and at the University of Texas at Austin. Data showed that the genomic signatures identified what varieties were likely to do well under stress.

Researchers cataloged the findings in a database that aims to help sorghum breeders with limited resources in developing countries have better predictions of what sorghum varieties will thrive in the environment and in a growing season's forecasted weather.

"Genomic analysis will never replace testing in the field, but it can help us identify useful varieties and genes for increasing stress tolerance," Morris said. "We hope that this approach will help us develop new climate-smart varieties for farmers in the world's toughest crop-growing regions."

The study, "Genome-environment associations in sorghum landraces predict adaptive traits," is freely available through Science Advances, the American Association for the Advancement of Science's new open-access journal.

The study is part of a project funded by the National Science Foundation and the Bill and Melinda Gates Foundation to build new technologies for crop improvement in developing nations.

Record number of farmers and ranchers certified under 2014 Farm Bill conservation compliance

The U.S. Department of Agriculture (USDA) announced that over 98.2 percent of producers have met the 2014 Farm Bill requirement to certify conservation compliance to qualify for crop insurance premium support payments.

Implementing the 2014 Farm Bill provisions for conservation compliance is expected to extend conservation provisions for an additional 1.5 million acres of highly erodible lands and 1.1 million acres of wetlands, which will reduce soil erosion, enhance water quality, and create wildlife habitat.

"This overwhelming response is a product of USDA's extensive outreach and the commitment of America's farmers to be stewards of the land," said Agriculture Secretary Tom Vilsack. "By investing in both American farmers and the health of our productive lands, we are ensuring future generations have access to fertile soil, healthy food supplies, and a strong rural economy."

USDA has gone to extraordinary lengths to ensure that every impacted producer knew of the June 1, 2015 deadline to certify their conservation compliance. For example, all 2015 crop insurance contracts included conservation compliance notifications. USDA has sent out more than 50,000 reminder letters and postcards to individual producers, made over 25,000 phone calls, conducted informational meetings and training sessions for nearly 6,000 stakeholders across the country, including in major specialty crop producing states with affected commodity groups, and more. Since December 2014, USDA collaborated with crop insurers to ensure they had updated lists for agents to continue contacting producers to also remind them of the filing deadline.

Of the small number of producers who have not certified their conservation compliance, USDA records suggest the majority are no longer farming or may have filed forms with discrepancies that can still be reconciled. The Farm Service Agency is proactively reaching back out to all of these producers before their sales closing date and working with individuals facing extenuating circumstances who have not filed the form in order to assist them with certifying compliance.

"I've asked the agencies to contact the producers again before their sales closing date," said Vilsack. "I want to ensure that every producer that turned in an AD-1026 by June 1, 2015, knows they can still make corrections and remain eligible for premium support."

USDA is providing additional flexibility to help the newly insured producers to certify their conservation compliance. For example, producers who began farming or ranching after June 1, or producers who have not participated in USDA programs prior to June 1, can file an exemption to the conservation compliance certification for reinsurance year 2016 and still be eligible for the crop insurance premium support.

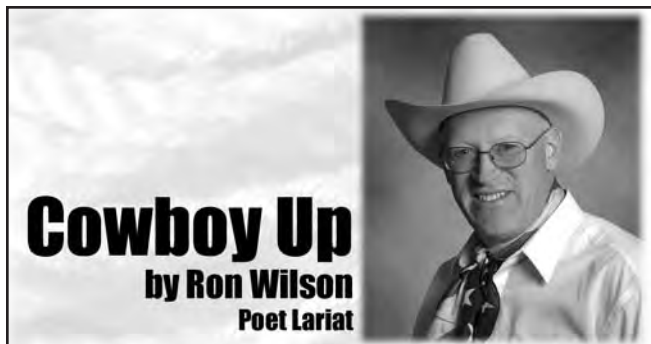
The Highly Erodible Land Conservation and Wetland Conservation Certification form (AD-1026) is available at local USDA Service Centers or online at www.fsa.usda.gov/AD1026form.

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Reconnecting

One of our sons and I rode our horses in the Wamego 4th of July parade, as in previous years. It was the same horses, same tack, same patriotic outfits. Only one thing was different: Our son wore a pair of special leather chaps.

I wore chaps too, but mine are a custom-made pair of show chaps with my name and brand displayed on them. I use those just for parades or performances. The chaps which my teenage son wore were truly historic, at least to us: These were his great-grandfather's old chaps. They belonged to my wife's late grandfather, who was a great horseman and loved to ride in parades himself.

My wife's dad had carefully saved these old chaps for years and eventually passed them along to his daughter, my wife. What a keepsake! What a wonderful family memento! They helped inspire the following poem.

As we prepared to ride in the parade, I asked my son if he wanted to wear these old chaps. He tried them on. To my surprise, they fit pretty well. The leather was in surprisingly good shape.

I was trying to guess, just how old were these chaps? More than a half-century? And how long had it been

since they were used? Several decades? If those chaps could talk, think of the stories they could tell.

I don't think my father-in-law ever used these chaps, but he took good care of them as he did the other things which were passed down from his dad. He was a good steward.

In my biased opinion, the old chaps looked good on my son. But what made this experience so extra special was the thought of reconnecting with our heritage. It's a feeling of honoring our ancestors, of carrying on the tradition, of sustaining a legacy. I remember receiving one of my grandfather's old pearl-snap western shirts when I was a teenager. It was a hand-me-down, but it meant so much more to me because of the family connection.

Maybe there's a reason that the term "family farm" (although sometimes misused or misunderstood) still resonates with the American public. It suggests multi-generational families working the land and maintaining a tradition in agriculture.

It felt good to see this tradition maintained, in the simple act of him wearing those old chaps. Somewhere up in heaven, I think one old horseman approved too.

Grandpa's Chaps

By Ron Wilson, Poet Lariat

They looked like dried-up leather straps
We found up in the attic.

"We've got to clean out all these scraps.
That rule is automatic."

I went to throw those straps away,
To toss 'em with my hand.

But something made me pause that day,
Unlike what I had planned.

I opened up that pile of straps.
It hit me like a blow!

These were my grandfather's old chaps
From many years ago.

They were unlike my modern chaps
Of supple cowhide leather,

Whose contour of my bowleg wraps,
Unmarked by time and weather.

These chaps were brittle, cracked and dry.
The belt no longer fit.

One buckle's missing, one's awry.
The stitching's stretched and split.

Yet when I touched those chaps of old,
A chill went down my spine.

They spoke of ancient cowboys bold,
Their heritage now mine.

The leather spoke to me somehow
Of cattle-driving days,

Of drovers moving horse and cow
And gathering the strays.

Of endless days spent on a horse,
Of branding in a rush.

Of following the loughorn's course
All headlong through the brush.

I catch the scent of branding fires,
Of stampede's frantic pace.

In images my mind acquires,
I see my grandpa's face.

Those chaps had brought him safely through
The hazards of this land,

And past his times as buckaroo
Into my very hand.

No way these chaps should just be tossed
Like trash of yesteryear.

Their heritage must not be lost
But rather valued here.

So I will save my grandpa's chaps
For they have passed the test.

They'll serve my children too, perhaps:
A treasure of the west.

Happy Trails!

www.ronscowboypoetry.com
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Fort Leavenworth, Fort Riley will remain strong despite army's sweeping cuts

U.S. Sen. Jerry Moran (R-Kan.) released the following statement regarding the United States Army's recent announcement of force strength reductions at bases across the country including Fort Leavenworth and Fort Riley:

"Unfortunately, constrained defense spending has forced the Army to make difficult decisions. However, it is evident the Army understands the contributions Fort Leavenworth and Fort Riley make to our national security given the minimal reduction of Kansas soldiers.

"Through constant, high-level engagements with Army leadership on Capitol Hill, at the Pentagon, and back home in Junction City - with an unparalleled turnout of Kansans during the Listening Session in February - our state has clearly demonstrated support for our service members and their families. I am pleased Fort Leavenworth and Fort Riley survived this significant challenge, but will continue to work to make certain the Army does not pursue additional reductions. Additionally, I will work to ensure the Department of Defense has the resources necessary to train and equip our soldiers to defend our country and safeguard Americans."

Fort Leavenworth will lose 60 troop positions between fiscal year 2015 and fiscal year 2017, and Fort Riley will lose 615 troop positions between fiscal year 2015 and fiscal year 2017.

Between fiscal year 2001 and fiscal year 2017, Fort Riley will have grown 57 percent including the loss of 615 positions.

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Titan 16'x8' dump trailer, 4' sides, 7000lb dual axles, very clean!
Kaufman 18'x7' equip. trailer, 2' turbo charger, wet kit, pump, 16 ply Sailun tires! **Starlight** 20'x7' utility trailer w/3500lb dual axles; **Specialty trailer**, 12'x6' w/3000lb overhead winch; **1969 Chevy C-60** grain truck, plant fill auger system, nice unit! **1967 Chevy C-50** grain truck, good working cond.; **Cat 96"** skidsteer grapple; **Cat T9** skidsteer trencher; **(2) Cat and Bobcat** pallet forks; **(2) Cat and Bobcat** 80" toothed buckets; **Lowe 1650E** skidsteer auger attachment; Lots more farm related equip including cattle panels, gates, misc. tractor and equipment parts etc. *Check the website for full list!*

Pickups, Mower, ATV: 2001 Dodge Ram 3500 1-ton dually, ext. cab, V-8 gas, auto trans., 93K miles, nice truck! **2013 Grasshopper 725D** mower w/only 97 hours! 61" deck, 25HP diesel engine. This machine is immaculate! **2006 Artic Cat** deluxe edition ATV, 4x4, winch, nice! **1983 Chevy 10** classic pickup, 1/2 ton, auto

Outdoor: Thousand of rounds of shotgun and rifle ammo; Crickett .22 LR youth rifle; Traditions .50 Cal blackpowder rifle; Matthews bow; PSE bow; Bear bow; carbon arrows; lots of archery repair equip.; fishing related; camping tents, 10'x15' EZ up canopy tent; slalom ski, snorkel equip.; buoyancy compensator vests; ski goggles and lots more!

Misc. Quality Items: (2) Golden Grain corn stoves; (2) Golden Grain fireplace inserts; Lots of new kitchen cabinetry and complete interior door kits; Maytag fridge; Maytag washer and dryer; Roper deep freeze; Charbroil grill and smoker; bedroom furniture; window AC units and so much more!

Shop Equipment & Tools: The list is too massive to list it all! See *salebill* or *website*. Includes power, pneumatic and hand tools, lots of specialty tools, custom metal shop benches, welding related, HD ladders, tool boxes, compressor, lawnmower and chainsaw equip. and much more. Brands include Snap On, DeWalt, Makita etc.

AUCTIONEER'S NOTE: There is a huge collection of shop tools, hunting, fishing and recreational gear, ammunition and household related that would take 4 pages of newspaper to print! Please visit the website for a full list. This is without a doubt, one of the most well cared for and high quality collections of farm and construction equipment, tools and shop equipment that we have ever offered. **If you don't know the seller, it's hard to comprehend.** METICULOUS is an understatement! Darren and Anita are selling their personal property and some real estate to re-locate for new business opportunities in Texas. This is your opportunity to purchase some absolutely babied merchandise!

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Yard & Garden Tips

By Gregg Eystone

Mowing in the Summer

July is generally the month when the cool-season grasses slow down growth and won't need mowed as frequently. Rain or irrigation changes that. I don't usually water my grass. I can't stop it from raining and don't want to at this point.

One plus is that the abundant grass to eat has kept the neighborhood rabbits off my desirable plants. They seem to be content consuming grass and clover. The three rabbits I count aren't keeping up with the mowing needed from the rains.

Now is a good time to sharpen your mower blade. The blade needs inspected after about ten cuttings. If rocks or sticks found their way to the blade, it will likely need sharpening right away. Balancing of the blade is also important to prevent mower equipment

damage. If you sharpen and balance your own blade, check out the K-State Research and Extension "how to" video at www.riley.ksu.edu under hot topics.

Mowing taller in the summer for cool-season grasses like tall fescue is suggested. I set my mower as high as it will go. Hot weather is a stress for cool-season grasses. The additional foliage helps insulate the ground against heat, furnishes more food producing area and maintains deeper roots.

Short mowing in the summer places the turf under a stress requiring excessive watering. Repeated short mowing will thin and weaken the turf which will lead to abundant summer weeds. Frequency is increased the shorter the grass is mowed to maintain turf health.

The warm-season grasses of Bermuda, Zoysia and

Buffalo tolerate shorter mowing and grow best in the heat. These can tolerate mowing as low as one inch. It will have to be mowed more frequent at that height. Two to three inches is a good setting for these grasses. I mow my buffalo-grass infrequently and enjoy its natural look.

I ordered a supply of mower measures. It is a plastic ruler with information on it on proper mowing heights. Stop in at the office and get one.

You can find out more information on gardening by going to Riley County's K-State Research and Extension website at www.riley.ksu.edu. And you may contact Gregg Eystone at the Riley County office of K-State Research and Extension by calling 537-6350 or stopping by 110 Courthouse Plaza in Manhattan or e-mail: geyeston@ksu.edu

American Gelbvieh Association National Convention to be held in Kansas City

The American Gelbvieh Association (AGA) Board of Directors and staff would like to announce the 45th Annual AGA National Convention and Annual Meeting will be held in Kansas City, Missouri at the Embassy Suites Kansas City - International Airport hotel, December 10-12, 2015.

This convention marks one of the first in recent history that will be a solitary event for members of the American Gelbvieh Association. Previously the AGA Annual Convention was held in January in Denver, Colorado during the National Western Stock Show events. The 45th Annual Convention will serve as a place for AGA members to meet and conduct committee meetings, elect leaders of the AGA to serve

on the board of directors as well as network and connect with fellow Gelbvieh breeders and industry producers.

The AGA will be hosting a variety of new convention programs that are geared to both AGA members and commercial stakeholders. New events during convention such as AGA 101 and the all-new Cattlemen's Profit Roundup will make this convention unique from those in the past.

The all-new Cattlemen's Profit Roundup symposium will be the culminating activity at the AGA Convention and is tailored to fit the interest and needs of commercial bull customers, feeders and beef industry partners. The symposium will feature industry-leading speakers and panelists

that will address both sides of the cattle production profit equation. This is a free to attend event and the AGA would like to invite all cattlemen and cattlemen to attend this educating event.

The American Gelbvieh Association is a progressive beef cattle breed association representing 1,500 members and approximately 40,000 cows assessed annually in a performance-oriented total herd reporting system. For more information visit www.gelbvieh.org or call 303-465-2333.

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Easy-to-understand beef genomics now on eXtension website

Beef herd owners facing genetic data overload at breeding time can find help. A new website, eBEEF.org, is live, says Jared Decker, University of Missouri Extension beef geneticist.

Useful information is put in terms farmers under-

stand, Decker says. All will be in one easy-to-use spot on the Internet, Decker says.

"Genomic-assisted selection is a fast-growing part of beef production," he says. "The eBEEF.org site highlights usable information."

Six land-grant university

specialists work together sorting out the most helpful items.

"If you run a Web search for EPDs (expected progeny differences), you get thousands of hits," Decker says. "Most people can't tell what is good, or not. We sort articles and post only the most helpful for cattle breeders."

On the team with Decker are Megan Rolf, Oklahoma

State University; Matt Spangler, University of Nebraska; Bob Weaver, Kansas State University; Darrah Bullock, University of Kentucky; and Alison Van Eenennaam, University of California, Davis.

The group showed the one-stop site at the Beef Improvement Federation meeting in Biloxi, Miss. The group uses peer-reviewed

scientific studies for the site, which shows more than articles and fact sheets. A FAQ (frequently asked questions) page with video and text answers provides a starting point. It describes genomics, EPDs, indexes and crossbreeding.

An interactive "Ask an Expert" section gives answers about production not given in the fact sheets or

FAQs.

The site archives YouTube videos, meeting recordings and webinars.

The website, at eBEEF.org, is part of the national eXtension network. Extension educators use it as a teaching resource. The prime audience remains farmer-users.

Cargill plans to exit U.S. pork business, selling to JBS

Global meat giant JBS, the parent of Pilgrim's Pride Chicken, announced plans to buy Cargill's U.S. pork business for \$1.45 billion, subject to regulatory review and approval.

The deal includes a processing plant in Ottumwa, Iowa, and one in Beardstown, Ill. Last year the two plants processed a combined 9.3 million hogs. If the deal is approved JBS will own five live feed mills, including one in Arkansas, and four hog farms, two of those in Arkansas.

"This operation is in line with JBS' strategy to grow its portfolio of prepared and value-added products, expanding

the company's customer base both in the domestic market and internationally," according to a press release issued by JBS.

Cargill management said JBS' pork business is complementary to its own which should make for a smooth transition when the deal is approved.

The combined JBS and Cargill pork production will likely give JBS a slight lead over Tyson Foods' 17% marketshare but would remain second to Smithfield's 26%, according to the U.S. Pork Board.

Frogging season under way

A summertime tradition in Kansas is under way as lakes and ponds around the state are teeming with an outdoor delicacy unlike any other. The 2015 Kansas bullfrog hunting season, also re-

ferred to as "frogging," began July 1 and runs through Oct. 31. During this time, anglers can attempt to catch these four-legged amphibians with several different techniques.

Bullfrogs may be taken by hook and line, dip net,

gig, bow and arrow, or cross-bow, and a line must attach bow to arrow, and the arrow must have a barbed head. If you're really up for a challenge, bullfrogs can also be taken by hand. The best method is to walk quietly through the water at night and shine a bright light along the bank until a pair of glowing eyes appear. Temporarily blinded by the light, frogs can be approached and grabbed or netted.

The daily creel limit is eight, with a possession limit of 24. Unless exempt by law, froggers must have a

valid fishing license to take, catch, or kill bullfrogs.

Considered a delicacy, frog legs have a taste and texture that resembles a cross between shrimp and fish. A popular way to cook them is to dip the legs in egg and then into a mixture of flour and corn meal, seasoning salt, and pepper. The legs are then fried to a golden brown and served up hot.

For more information on bullfrog season, visit ksoutdoors.com and click "Fishing/Fishing Regulations/Bullfrogs" or consult the 2015 Kansas Fishing Regulations Summary.

Have at it and have a hoppin' good time!

EMPORIA LIVESTOCK SALE CO.

Bonded & Insured

SALE EVERY WEDNESDAY IN EMPORIA, KANSAS AT 11:00 AM

620-342-2425 or 800-835-7803 toll-free • Fax: 620-342-7741

Date: 7/08/15. A nice run with mostly feeders. Cows and bulls for slaughter steady to cheaper throughout. Calve in demand but not many to offer yet.

1 blk bull 1640@140.00	1 blk cow 1305@102.00	1 wf cow 1715@106.00
1 blk bull 1695@142.50	1 blk cow 1320@103.00	1 blk hfr 205@640.00
1 blk bull 1800@137.00	1 blk cow 1330@110.50	1 wf hfr 400@241.00
1 blk bull 1885@143.50	1 blk cow 1345@108.00	1 blk brf hfr 430@244.00
1 blk bull 2095@141.00	1 blk cow 1345@103.50	2 blk hfrs 525@244.00
1 blk bull 2150@146.50	1 blk cow 1400@101.00	1 blk hfr 525@243.00
1 blk bulcal155@560.00	1 hols cow 1405@97.50	4 blk hfrs 556@239.00
2 blk bulcal1505@260.00	1 red cow1410@114.00	6 blk hfrs 584@232.50
1 blk bulcal1735@186.00	1 hols cow1415@101.50	8 mix hfrs 638@217.00
1 blk bulcal1765@184.00	1 blk cow 1420@107.00	1 blk hfr 650@215.00
1 blk cow 1040@98.00	1 blk cow 1440@108.50	3 blk hfrs 653@216.00
1 blk cow 1110@98.00	1 blk cow 1460@104.00	3 mix hfrs 688@208.00
1 blk brf cow1135@105.50	1 blk cow 1465@110.50	1 blkwf hfr 700@170.00
1 blk cow 1150@101.00	1 blk cow-lump1470@105.00	1 blk hfr 1105@125.00
1 blk cow 1185@102.00	1 blk cow 1485@103.00	5 mix str 600@239.00
1 blk cow 1190@107.50	1 wf cow 1490@104.50	1 blk str 625@230.00
1 red cow 1200@111.00	1 blk cow 1515@103.50	4 mix str 639@233.00
1 wf cow 1245@112.50	1 blk cow 1550@111.00	2 blk str 690@212.00
1 blk cow 1255@109.00	1 blk cow 1550@102.50	8 mix str 699@213.00
1 blk cow 1270@112.00	1 wf cow 1600@108.00	7 blk str 702@218.00
1 wf cow 1275@110.50	1 blk cow full1610@97.00	6 blk str 769@212.00
1 blk cow 1290@118.00	1 blk cow 1625@106.00	2 blk str 803@211.00
1 blk cow 1290@107.50	1 wf cow 1630@107.50	2 blk/bwf str815@217.00
1 wf cow 1300@114.50	1 wf cow 1635@109.50	125 blk str882@211.50
1 red cow 1300@109.50	1 wf cow 1635@107.00	59 mix str894@203.75
1 wf cow 1305@109.00	1 blk cow 1660@103.50	

EARLY CONSIGNMENTS FOR JULY 15TH:

- 120 blk, red & char hfrs, 800-900 lbs.
- 410 blk & red hfrs, 750-850 lbs.
- 60 blk & red str, 800-850 lbs.
- 285 blk & char str, 775-875 lbs.

MORE CONSIGNMENTS PENDING

EARLY CONSIGNMENTS FOR JULY 22ND:

- 19 blk & red str & hfrs, 600-800 lbs.
- 53 char-x str & hfrs, 600-800 lbs.
- 150 blk str & hfrs, 600-800 lbs.
- 310 blk & red hfrs, 775-850 lbs.
- 275 blk, red & char str, 800-850 lbs.
- 180 blk, red & char str, 850-900 lbs.

MORE CONSIGNMENTS PENDING

**THANK YOU FOR ALL OF YOUR CONTINUED SUPPORT!
YOUR BUSINESS ALWAYS APPRECIATED!**

For Cattle Appraisals Call:
BRODY PEAK, 620-343-5107 GLENN UNRUH, 620-341-0607
LYLE WILLIAMS, Field Representative, 785-229-5457
WIBW 580 - 6:45 A.M. Thurs;
KVOE 1400 - 6:30-6:45 A.M. Thurs. & Fri.
emporialivestock.com

VALENTINE LIVESTOCK AUCTION CO. Valentine, Neb.

THURSDAY, JULY 16, 2015

SPECIAL FALL BRED FEMALE & REGULAR SALE

S.T.: 10:30 AM on weigh-ups; bred females at 2:00 p.m.

Bred Females:

103 blk & Angus (33@3-4 yrs; 56@5 yrs) bred Angus; cf 8-15 for 60 days. Genetics are strong to Traveler 004 & Net Worth; moderate frame and useful kind. Cake & range.

Dispersion of Fall Herd...Harms Cattle Co. (Jim@402-376-4079)

62 Angus & blk (3-6 yrs) bred Angus (Slagle); cf 8-25 for 45 days. Genetics plus, long & good.....Mart McNutt (308-587-2252)

60 blk (9 bwf-3rd) (3-6 yrs) bred Simm/Ang-x; cf 9-10 for 50 days..

.....Jerry & Todd Adamson (Jerry@402-823-4350)

25 blk (mostly young) bred Angus (Ohlde); cf 8-1 for 60 days.....

.....Jim Hoffman

25 blk (mostly young; 1250-1350#) bred Angus (Koupal); cf 8-10 for 70 days.....Harland Schrunk

20 blk, few rd & Char-x (young-short term; 1300-1400#) bred Char; cf 8-20 for 60 days.....Rocking Arrow Ranch

15 blk (running age) bred 3/4 Angus-1/4 Simm; cf 8-10 for 60 days

.....Bar Eleven Rn. Co.

PLUS MORE FROM COX, SCRANTON

Pairs:

10 Angus (young-short spread).....Scranton Ranch

View our special sales online @ cattleusa.com

Office: 1-800-682-4874 or 402-376-3611

Greg Arendt, Mgr., C: 402-376-4701 Greg Nielsen, Fieldman, C: 402-389-0833

For complete listing visit our website: www.valentinelivestock.net

JC LIVESTOCK SALES INC.

Wednesday Sale, Hogs NOON • Cattle 12:30 PM

For the week of July 8, 2015:

STEERS			
1	265	334.00	Top Butcher Cow:
2	328	327.00	\$114.00 @ 1,241 lbs.
3	387	320.00	
4	430	309.00	Top Butcher Bull:
5	625	247.00	\$138 @ 1,470 lbs.
9	584	245.00	
3	642	238.00	Top Butcher:
59	790	226.25	\$45.50 @ 240 lbs.
5	833	205.00	
5	1095	149.50	Sows: \$30.00-\$33.50
HEIFERS			
3	302	307.00	FEEDER PIGS
4	438	239.00	6 133 lbs. \$66.00/hd
1	460	237.00	1 85 lbs. \$43.00/hd
60	659	219.00	
1	800	159.00	

CONSIGNMENTS FOR WEDNESDAY, JULY 15:

9 Blk X Strs/Hfrs575-650 lbs.

30 Blk X Strs/Hfrs550-700 lbs.

60 mix Strs850-900 lbs.

180 Xbred Strs.....750-825 lbs.

60 Blk Strs.....900-950 lbs.

56 Blk X Strs.....925-950 lbs.

If you need assistance in marketing your cattle please call & we will be happy to discuss it with you.

Visit our new website at jccclivestock.com

<p>JUNCTION CITY, KANSAS • Barn Phone 785-238-1471</p> <p style="text-align: center;">Seth Lauer 785-949-2285, Abilene</p>	<p>Clay Center, Ks • Barn Phone 785-632-5566</p> <p style="text-align: center;">Clay Center Field Representatives: Tom Koch, 785-243-5124 Lance Lagasse, 785-262-1185</p>
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<p>KARL LANGVARDT</p> <p>785-499-5434 Cell: 785-499-2945</p>	<p>MITCH LANGVARDT</p> <p>785-238-1858 Cell: 785-761-5814</p>	<p>LYNN LANGVARDT</p> <p>785-762-2702 Cell: 785-761-5813</p>
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CLAY CENTER LIVESTOCK SALES INC.

Cattle sales Tuesday, 11:00 AM.

No sale last week July 7 due to havest.

BACK TO OUR REGULAR SALE SCHEDULE ON JULY 14

EARLY CONSIGNMENTS FOR OUR JULY 21ST SALE:

35 Blk/Bwf/Rwf fall bred cows, 7-8 yrs old, 7-8 months fall bred to Fink Angus bulls

26 Holstein steers900 lbs.

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How do you like your steak? Well done, rare, medium? Everybody has a personal choice.

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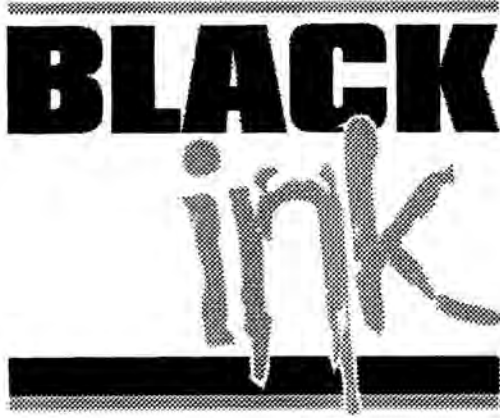
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No bidders

By Miranda Reiman

Imagine you've got a load of calves headed for the sale barn. You know that feeling of anticipation and hope, and perhaps some worry.

"How many buyers will be there?"

"What will they bring?"

Now try to imagine when you got to the auction market with those cattle, there simply was no market for them. You had to take them home because not a single hand went up.

File that under the "highly unlikely to ain't-gonna-happen," category, but stay with me. If every single backgrounder and cattle feeder decided they weren't going to purchase "high risk" calves; if they refused to take unweaned, unvaccinated calves, that's virtually what would happen. In a world of no bidders, sellers of those type of calves would have to re-evaluate their strategy.

You'd have a pretty quiet trip back from the sale. And I'm guessing those at home might feel a little like Jack's mom when he sold their milk cow for a bag of magic beans.

This story isn't likely to end in a beanstalk and a golden-egg-laying goose, but it could have a fairytale ending.

Earlier this year Purdue veterinarian W. Mark Hilton suggested a plan that would rid the industry of high-risk cattle.

"What if every buyer of feeder calves agrees not to bid on high-risk calves? As the auctioneer goes down and down in price, '\$2.80, \$2, \$1.50, 23 cents? Sorry, boys, no takers. Take them back home.' In 30 days, you think that would change the industry?"

Well, do you?

It's a scenario cattle feeders might welcome. They hate sick calves. No one wants to spend the time,

energy and money treating a "wreck," and preconditioning is a proven way to reduce those instances.

Beyond that, those finishers know the lasting effects. Performance suffers. Final quality grade goes down. That's before we even mention consumer perceptions.

If you don't precondition, this might be the time to start.

Hilton shared an 11-year analysis of the Indiana cattle business that showed an average profit of more than \$80 per head for programs that span more than 60 days. By retaining the calves for just a couple of months, profit went up nearly eight-fold in some instances.

When feed prices are low

and calf prices are high, that just puts an exclamation point on those values.

Sure, when Hilton introduced that "no bidders" plan to a large group of producers it got a lot of chuckles, but the reality is that to some degree that IS happening in a much slower fashion across the countryside. Take a look at any sale barn study or video auction analysis and it will show the advantages for preconditioned, reputation calves (or the discounts for the opposite).

What side of that equation do you want to be on?

Next time in *Black Ink*® Steve Suther will look at ways to expand with cattle. Questions? E-mail mreiman@certifiedangusbeef.com.

Grain stocks mostly up from 2014, sorghum sees decrease

Kansas corn stocks in all positions on June 1, 2015 totaled 150 million bushels, up 25 percent from 2014, according to the USDA's National Agricultural Statistics Service. Of the total, 40.0 million bushels are stored on farms, up 48 percent from a year ago. Off-farm stocks, at 110 million bushels, are up 18 percent from last year.

Wheat stored in all positions totaled 140 million

bushels, up 20 percent from a year ago. On-farm stocks of 4.70 million bushels are up 88 percent from 2014 and off-farm stocks of 135 million bushels are up 18 percent from last year.

Sorghum stored in all positions totaled 18.4 million bushels, down 69 percent from 2014. On-farm stocks of 1.50 million are down 29 percent and off-farm holdings of 16.9 million are down 71 percent from last year.

Schmidt appointed to national agriculture committee

Kansas Attorney General Derek Schmidt has been appointed to a new committee of attorneys general to study legal issues surrounding agriculture.

The National Association of Attorneys General recently confirmed the organization's committee appointments for the 2015-2016 year, which included the formation of a new committee on agriculture. Schmidt was appointed to serve on this committee. He was also reappointed to serve as a member of the human trafficking and consumer protection committees.

"Agriculture is our state's largest industry,"

Schmidt said. "Complex legal issues affect the industry, and I am pleased that a committee of attorneys general has been formed to help states stay abreast of these issues."

Last month, Schmidt was elected vice president of the national association.

During his time as attorney general, Schmidt has worked to protect Kansas agriculture by fighting against harmful federal regulations, including water regulations and labor rules. As a former member of the Kansas Senate, Schmidt previously served as chairman of the Senate Agriculture Committee.

Soybeans stored in all positions totaled 33.1 million bushels, up 92 percent from last year. On-farm stocks of 6.30 million bushels are more than three times the holdings of a year ago and off-farm stocks, at 26.8 million bushels, are up 76 percent from 2014.

Holton Livestock Exchange, Inc.

1/2 mile East of Holton, KS on 16 Highway
Livestock Auction every Tuesday at 12 NOON
 Serving the Midwest Livestock Industry for 62 Years!
******STARTING TIME: 12:00 NOON******

MARKET REPORT FOR TUESDAY, JULY 7, 2015
 RECEIPTS: 531 CATTLE

STEERS		HEIFERS	
10 blk str	442@312.00	25 mix str	800@219.60
2 blk str	452@305.00	12 hols str	875@217.25
4 blk bwf str	528@282.50	14 blk str	520@217.00
13 mix str	545@276.00	6 blk str	887@216.00
2 blk str	530@270.00	73 mix str	710@212.00
4 blk red str	641@241.00		974@200.25
2 blk str	607@239.00		
4 blk bwf str	602@239.00	4 blk red hfrs	450@240.50
5 blk char str	650@228.50	4 blk hfrs	586@232.00
8 mix str	711@227.00	4 blk bwf hfrs	576@228.00
3 hols str	466@222.50	8 blk hfrs	615@224.75
6 blk str	700@221.00	15 blk char hfrs	686@220.00

JULY 14- SPECIAL CALF & FEEDER AUCTION 12 NOON

Dan Harris, Auctioneer & Owner • 785-364-7137
 Danny Deters, Corning, Auct. & Field Rep. • 785-868-2591
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 Craig Wischropp, Horton, Field Rep. • 785-547-5419
 Barn Phone • 785-364-4114
 WEBSITE: www.holtonlivestock.com
 EMAIL: dan@holtonlivestock.com
View our auctions live at "Imauctions.com"

NCGA joins lawsuit to overturn WOTUS

The National Corn Growers Association joined 13 other organizations in filing a lawsuit recently in the U.S. District Court, Southern District of Texas against the Environmental Protection Agency and the U.S. Army Corps of Engineers seeking to overturn the "Waters of the U.S." rule.

Chip Bowling, president of NCGA and a farmer from Newburg, Maryland, issued the following statement:

"Farmers need clarity and certainty about their responsibilities under the Clean Water Act. Unfortunately, the Waters of the U.S. rule does neither. Under the new rule, every farmer and rancher in America now has at least one WOTUS on their farm. That puts far too much power in the hands of the federal government and exposes farmers to considerable liabilities - without actually doing anything to improve water quality.

Clean water is important. Corn farmers remain committed to working with the EPA, the Corps, and other stakeholders to protect America's water supply."

Co-plaintiffs in the lawsuit include American Farm Bureau Federation, American Petroleum Institute, American Road and Transportation Builders Association, Leading Builders of America, National Alliance of Forest Owners, National Association of Home Builders, National Association of Manufacturers, National Cattlemen's Beef Association, National Mining Association, National Pork Producers Council, and Public Lands Council. Similar lawsuits have also been filed by 27 state attorneys general.

BELLEVILLE 81 LIVESTOCK SALES

Junction Hwys 36 & 81 Belleville, Kansas

CATTLE SALES EVERY FRIDAY • 10:30 AM

July 10 sale. Slaughter cows were lower with Dressed Beef dropping all week. Poor thin cows, \$90-\$107; Next Cut, \$108-\$120.

SLAUGHTER COWS		FEEDER HEIFERS	
1515 lbs.	\$108.00	1350 lbs.	\$114.50
1545 lbs.	\$109.00	1385 lbs.	\$120.00
1445 lbs.	\$110.00	Bulls to \$140; 525 lbs. str \$287.	
1570 lbs.	\$112.50	518 lbs.	\$249.00
1635 lbs.	\$112.50	950 lbs.	\$190.50
1410 lbs.	\$113.00	569 lbs.	\$248.50
1325 lbs.	\$114.00	Load 655 hfrs	\$235.75
1185 lbs.	\$114.00		

GOAT-SHEEP SALE SATURDAY, JULY 18 • 3 PM

5 Boer Purebred Billies, 90 lbs.; 10 goats; 25 goats; 40 goats; 40 hair lambs; 35 hair lambs; 50 fat lambs; 40 lambs; 25 nannies; 10 big billies. Plus many more.

NEXT CATTLE SALE FRIDAY JULY 24TH

For Market Reports, and Early Listings
 Website: **Belleville81.com**

Barry & Angii Kort, Owners • 785-527-2258
 Thanks for your business!

WASHINGTON COUNTY LIVESTOCK, LLC
 Locally owned & operated
 WASHINGTON, KS - PHONE 785-325-2243
 Fax: 785-325-2244
If you have cattle to sell, please call us anytime!

Sale Date Has Changed:
Sales will now be on Monday • Starting Time: 1 PM

SUMMER SCHEDULE:

- July 20th- No Sale
- July 27th- Regular Sale
- Mondays In August - Regular Sale Weather Permitting

Don't Forget the Video as an option to market your cattle
View our live auctions at www.lmauctions.com

Manager: Matt Kruse, 785-556-0715
Fieldman: Terry Ohlde: 785-747-6554

View our website for current market report!
www.washingtoncountylivestock.com

EL DORADO LIVESTOCK AUCTION, INC.

316-320-3212
 Fax: 316-320-7159
 2595 SE Highway 54, P.O. Box 622,
 El Dorado, KS 67042

Market Report - Sale Date 7-09-15. Head Count: 873

300-400 lb. steers, \$220-\$332; heifers, \$220-\$301; 400-500 lb. steers, \$220-\$324; heifers, \$200-\$251; 500-600 lb. steers, \$200-\$274; heifers, \$185-\$230; 600-700 lb. steers, \$185-\$236; heifers, \$185-\$217.50; 700-800 lb. steers, \$180-\$229; 800-900 lb. steers, \$180-\$212.75; 900-1000 lb. steers, \$175-\$205. Trend on Calves: Choice steer and heifer calves, \$2-\$4 lower from last sale. Trend on Feeder Cattle: Choice Feeder heifers, \$2-\$3 lower from last sale on light test; Choice Feeder steers, steady from last sale. Butcher Cows: High dressing cows: \$110-\$124; Avg. dressing cows: \$100-\$110; low dressing cows, \$80-\$100. Butcher Bulls: Avg. to high dressing bulls, \$127.50-\$143.50. Trend on Cows and Bulls: Butcher cows, \$2-\$3 higher from last sale; Butcher Bulls, steady.

CONSIGNED FOR JULY 16TH SALE:
 Expecting 1750-2000 hd

- 70 black steers and heifers, 600-700 lbs., weaned & shots
- 150 red & black steers and heifers, 600-750 lbs.
- 175 black steers, 850 lbs.
- 160 steers, 900 lbs.
- 240 steers, 850 lbs.
- 200 charolais-cross & black heifers, 800-850 lbs.
- 500 black heifers, 725-800 lbs.
- 94 steers, 850 lbs.

We welcome your consignments!
 If you have cattle to consign or would like additional information, please call the office at 316-320-3212
 check our website for updated consignments:
www.eldoradolivestock.com

Chris Locke (316) 320-1005 (H) (316) 322-0675 (M)	Steven Hamlin (602) 402-6008 (H) (620) 222-1199 (M)
Larry Womacks, Fieldman (620) 394-3273 (H) (620) 229-0076 (M)	Van Schmidt, Fieldman (620) 367-2331 (H) (620) 345-6879 (M)

Cattle Sale Every Thursday 11:00 AM

Eureka Livestock Sale
 P.O. Box 267 Eureka, KS 67045
 620-583-5008 Office 620-583-7475

Sale Every Thursday at 11:30 a.m. Sharp

On Thursday, July 9 we had 736 hd of cattle on a good market.

STEERS		HEIFERS	
2 bk	373@297.00	8 bk bwf	750@213.25
11 bk	505@282.00	5 bk	832@208.00
51 bk red	629@255.00	50 bk char	939@207.00
9 bk	638@246.50	6 bk	847@204.00
15 mix	660@227.00	2 bwf	278@296.00
6 bk bwf	689@222.25	9 bk	413@250.00
5 bk	724@217.00	22 bk red	521@249.00
8 mix	758@215.50	5 bk	632@216.00

26 bk 616@216.00
 4 bk 701@209.00
 6 bwf wf 732@206.00
 8 bk red 710@204.00
 27 mix 727@203.50
 4 bk 744@198.00
 25 mix 832@192.75
 14 mix 862@190.00

BUTCHER COWS: \$91-\$128, mostly \$105-\$115, very active
BUTCHER BULLS: \$117-\$147.50, mostly \$140-\$144, very active
PREG. COWS: \$1,100-\$2,400
PAIRS: \$1,700-\$2,500

BUTCHER COWS		BUTCHER BULLS	
1 red	1130@128.00	1 bk	1610@147.50
2 red	1310@125.00	1 bk	2320@147.00
1 yellow	970@124.00	1 bk	2065@144.00
6 bk	1079@120.00	1 bk	2235@142.50
1 brangus	1330@119.00	1 wf	2720@134.00
2 brangus	1763@117.00		
1 bwf	1520@117.00		
2 brangus	1545@113.00		

EARLY CONSIGNMENTS FOR JULY 16:
 300 mostly blk hfrs, 750-900 lbs., open
 52 blk/char str, 900-950 lbs.
 88 bk/bwf/red str & hfrs, 500-700 lbs.

EARLY CONSIGNMENTS FOR JULY 23:
 625 bk/red/char str, 750-1000 lbs.
 300 bk/bwf str & hfrs, 600-800 lbs.
 100 bk str & hfrs, 500-650 lbs.

EARLY CONSIGNMENTS FOR JULY 30:
 400 mostly blk hfrs, 700-900 lbs., open

We appreciate your business!

Ron Ervin - Owner-Manager
 Home Phone - 620-583-5385
 Mobile Cell 620-750-0123
Austin Evenson- Fieldman
 Mobile Cell 620-750-0222
 If you have any cattle to be looked at call Ron or Austin

Kansas Association of Ethanol Processors changes name to Renew Kansas

The Kansas Association of Ethanol Processors (KAEP), the statewide trade association representing ethanol producers in Kansas, announced that it has changed its organization name to Renew Kansas. The new name reflects an evolution of the associa-

tion's mission to promote ethanol as a renewable fuel that is good for the Kansas consumer, environment and economy.

The transition comes after months of strategic planning and analysis by the KAEP Board of Directors and staff. The Gre-

man Group, an advertising agency in the Wichita area, directed the rebranding efforts with a new logo, website and industry messaging.

"Changing our name to Renew Kansas better reflects our focus in promotion and education of

ethanol fuels as good for consumers and the state," said Tom Willis, CEO of Conestoga Energy Partners in Liberal and chairman of the KAEP Board of Directors. "We look forward to expanding our reach with our new identity and growing our organization to help

meet future energy needs." The Renew Kansas website, www.renewkansas.com, will be a valuable resource promoting ethanol fuels, dispelling myths, educating the government and public about the many significant benefits of ethanol, and demonstrating the in-

dustry's positive impact on health, the environment and our local and state economies.

For more information on Renew Kansas, please visit www.renewkansas.com or call (785) 234-0461.

Riley County Fair starts July 23 at CiCo Park in Manhattan

The 2015 Riley County Fair will be filled with country nights and carnival lights, July 23-27 at CiCo Park in Manhattan. There will be fun activities for each member of the family.

The annual fair parade, which marks the official start to the fair, will be Thursday, July 23 at 6:00 p.m. This year's parade will travel down Poyntz Avenue from the Manhattan Town Center to City Park. Following the parade on Thursday at 7:00 p.m. will be the kids pedal tractor pull at Hurlburt Arena in CiCo Park.

This event is open to youth ages 4-12. Both events are free to the public.

The Kaw Valley Rodeo will provide entertainment for rodeo fans with nightly performances on July 23, 24 and 25. Thursday night's Kaw Valley Rodeo performance will honor the military with free and discounted tickets available to active duty military members. Kids also get in free to Thursday's rodeo performance with the donation of canned goods to the Flint Hills Breadbasket. Friday night will feature the Tough

Enough to Wear Pink performance with a portion of the proceeds going to the Johnson Center for Basic Cancer Research at Kansas State University. Saturday's performance will feature the finals of the competition.

The Blue Valley Pork Producers will host their annual pork burger barbecue from 5-7 p.m. on Friday, July 24 on the Pottorf Hall patio. Tickets are \$7 and can be purchased that evening. Open class arts and photography entries will also be accepted on Friday evening

as well as entries in the Quilt Block contest.

Cherry pie lovers won't want to miss the cherry pie contest on Sunday, July 26 at 1:00 pm in Pottorf Hall. After judging, entries will be cut and slices sold for \$1 a slice.

Be sure to stop by Pottorf Hall and the livestock barns to see the exhibits that 4-H members have been working hard all year to make. Livestock shows will take place each evening, July 24-26. The annual 4-H livestock auction will begin at 7:00 pm

on July 27. Champion foods items will be auctioned prior to the livestock sale at 6:45 pm.

Riley County Farm Bureau will once again sponsor the farm animal nursery exhibit where fair-goers can learn more about animals and agriculture in the Wreath Barn. The entertainment tent, located at the south end of the fairgrounds, will feature the 10th annual Riley County Idol contest. Amateur entertainers will compete for prize money and a trophy in

four age divisions, beginning Saturday, July 25, and continuing with the final round on Sunday, July 26. Ottaway Amusements will provide carnival entertainment each evening of the fair. They will offer wristbands nightly for \$23 each.

There's a lot to see and do at this year's Riley County Fair. For more information or a full listing of scheduled events please access www.rileycountyfair.com or call the Riley County Extension Office at 785-537-6350.

Educational program to be held at Manhattan Public Library

On Sunday, July 26, 2015, at 2 p.m. Dr. Patricia O'Brien will present an educational program, Pawnee Sacred Places, at the Manhattan Public Library Auditorium, 629 Poyntz Ave., Manhattan.

This program is sponsored by Riley County Genealogical Society <http://www.rileycgs.com/>. All programs are open to the public and free to attend.

NRCS offering conservation innovation grants to promote natural resources

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) is accepting proposals for grants to fund projects focusing on innovative conservation approaches and technologies. State Conservationist Eric B. Banks anticipates having \$100,000 in state-component funds available for Conservation Innovation Grants (CIG). He said individual grants up to \$50,000 can be used to fund up to 50 percent of the total cost of a project lasting one to three years. "Conservation Innovation Grants are for projects targeting innovative, on-the-ground conservation and field demonstrations," Banks said. "They are tools to stimulate the adoption of conservation approaches or technologies that have been studied and have a high likelihood of success."

Proposals must be received by NRCS before 4:00 p.m. on August 7, 2015. Proposals sent via express mail or overnight courier service must be sent to the following address: State Conservationist, Attention: Administrative Services, USDA-NRCS, CIG Program, 760 South Broadway Boulevard, Salina, KS 67401. Proposals may also be submitted electronically at www.grants.gov. Proposals submitted via facsimile or email will not be accepted.

Grass & Grain Weather Report July 14, 2015

Seven Day Forecast	In-Depth Local Forecast	Today's Local Outlook																																
<p>TUESDAY Sunny High: 97 Low: 72</p> <p>WEDNESDAY Mostly Sunny High: 92 Low: 72</p> <p>THURSDAY Mostly Sunny High: 92 Low: 74</p> <p>FRIDAY Mostly Sunny High: 95 Low: 74</p> <p>SATURDAY Sunny High: 97 Low: 75</p> <p>SUNDAY Partly Cloudy High: 94 Low: 75</p> <p>MONDAY Partly Cloudy High: 92 Low: 71</p>	<p>Today we will see sunny skies with a high of 97°, humidity of 46%. The record high for today is 108° set in 1991. Expect partly cloudy skies tonight with an overnight low of 72°. The record low for tonight is 46° set in 1908. Wednesday, skies will be mostly sunny with a slight chance of showers and thunderstorms.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>Hi/Lo</th> <th>Normals</th> <th>Precip</th> </tr> </thead> <tbody> <tr><td>7/2</td><td>85/68</td><td>91/66</td><td>0.28"</td></tr> <tr><td>7/3</td><td>83/64</td><td>91/66</td><td>0.10"</td></tr> <tr><td>7/4</td><td>88/58</td><td>91/66</td><td>0.00"</td></tr> <tr><td>7/5</td><td>98/69</td><td>92/66</td><td>0.00"</td></tr> <tr><td>7/6</td><td>93/70</td><td>92/67</td><td>1.04"</td></tr> <tr><td>7/7</td><td>74/63</td><td>92/67</td><td>0.00"</td></tr> <tr><td>7/8</td><td>76/62</td><td>92/67</td><td>0.00"</td></tr> </tbody> </table> <p>Rainfall last week: 1.42" Normal rainfall: 1.04" Departure from normal: +0.38" Average temp last week: 75.1° Average normal last week: 79.0° Departure from normal: -3.9°</p>	Date	Hi/Lo	Normals	Precip	7/2	85/68	91/66	0.28"	7/3	83/64	91/66	0.10"	7/4	88/58	91/66	0.00"	7/5	98/69	92/66	0.00"	7/6	93/70	92/67	1.04"	7/7	74/63	92/67	0.00"	7/8	76/62	92/67	0.00"	
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<p>Local UV Index</p> <p>0-2: Low, 3-5: Moderate, 6-7: High, 8-10: Very High, 11+: Extreme Exposure</p>	<p>Weather History</p> <p>July 14, 1987 - Severe thunderstorms in Iowa produced eight inches of golf ball size hail near Grafton, Iowa, completely stripping corn stalks in the area. Hail caused more than a million dollars in damage to crops in Worth County and Mitchell County.</p>	<p>Growing Degree Days</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>Degree Days</th> <th>Date</th> <th>Degree Days</th> </tr> </thead> <tbody> <tr><td>7/2</td><td>26</td><td>7/6</td><td>32</td></tr> <tr><td>7/3</td><td>24</td><td>7/7</td><td>18</td></tr> <tr><td>7/4</td><td>23</td><td>7/8</td><td>19</td></tr> <tr><td>7/5</td><td>34</td><td></td><td></td></tr> </tbody> </table>	Date	Degree Days	Date	Degree Days	7/2	26	7/6	32	7/3	24	7/7	18	7/4	23	7/8	19	7/5	34														
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Sell At St. Marys

Cattle By Auction STARTING TIME 10:30 AM Tuesdays

We sold 537 cattle July 7. There weren't enough calves to test the market. Feeder steers and heifers sold \$2.00-3.00 higher. Cows remained steady.

STEERS

1 blk str	460 @ 300.00
2 blk str	525 @ 286.00
2 blk/bwf str	728 @ 230.00
1 blk str	675 @ 220.00
1 sim str	495 @ 219.00
125 blk str	844 @ 217.10
61 mix str	909 @ 211.50

HEIFERS

4 blk hfr	514 @ 239.00
5 blk hfr	603 @ 228.50
3 blk/bwf hfr	560 @ 228.00
137 blk hfr	719 @ 220.35
64 blk/char hfr	722 @ 217.50

6 blk hfr 651 @ 216.50
1 red hfr 585 @ 211.50
64 blk hfr 819 @ 208.10
1 blk hfr 730 @ 205.00
25 blk hfr 829 @ 202.00

COWS & HEIFERETTES

1 blk hfrt	1130 @ 131.00
1 blk cow	1290 @ 122.50
1 blk cow	1185 @ 120.00
1 blk cow	1330 @ 117.50
1 hol cow	1420 @ 108.00
1 blk cow	1170 @ 107.50
1 hol cow	1665 @ 107.50
1 hol cow	1810 @ 106.00

BRED COWS & PAIRS

1 blk cow/cf	@ 2125.00
1 blk cow	@ 1600.00
1 blk cow	@ 1500.00

BULLS

1 blk bull	1450 @ 138.00
1 blk bull	2090 @ 137.00
1 blk bull	1620 @ 135.50
1 blk bull	1160 @ 133.00

CONSIGNMENTS FOR JULY 21

- 149 black steers, 825-850 lbs., off grass
- 30 black steers, 600-700 lbs., vaccinated
- 65 black steers, 850-875 lbs., off grass
- 360 blk Char steers, 800-900 lbs., off grass

WATCH OUR AUCTIONS LIVE ON DVAAuctions.com

CONSIGNMENTS FOR JULY 14

- 210 black heifers, 700-725 lbs.
- 65 black heifers, 750-775 lbs., off grass
- 55 black steers, 800-850 lbs., off grass
- 130 blk steers, 850-900 lbs., Northern origin, off brome
- 65 black steers, 850-875 lbs., off brome
- 180 black steers, 850-900 lbs., off brome
- 84 black steers, 850-900 lbs., off grass
- 58 black Charolais steers, 900-925 lbs.

Our CONSIGNMENTS can now be viewed after 12 Noon on Mondays by going to www.grassandgrain.com & logging onto the online subscription

FOR INFORMATION OR ESTIMATES:

REZAC BARNST. MARYS, 785-437-2785
 DENNIS REZACST. MARYS, 785-437-6349
 DENNIS' CELL PHONE785-456-4187
 KENNETH REZAC . .ST. MARYS 785-458-9071

LELAND BAILEY . . .TOPEKA, 785-286-1107
 LYNN REZACST. MARYS, 785-456-4943
 REX ARBMELVERN, 785-224-6765

Livestock Commission Company, Inc.
St. Marys, Ks.

Toll Free Number.....1-800-531-1676

Website: www.rezACLIVESTOCK.COM
 AUCTIONEERS: DENNIS REZAC & REX ARB