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GRASS & GRAIN[®]

Published by AG PRESS

61st Year

No. 18

June 21, 2016

\$1.00

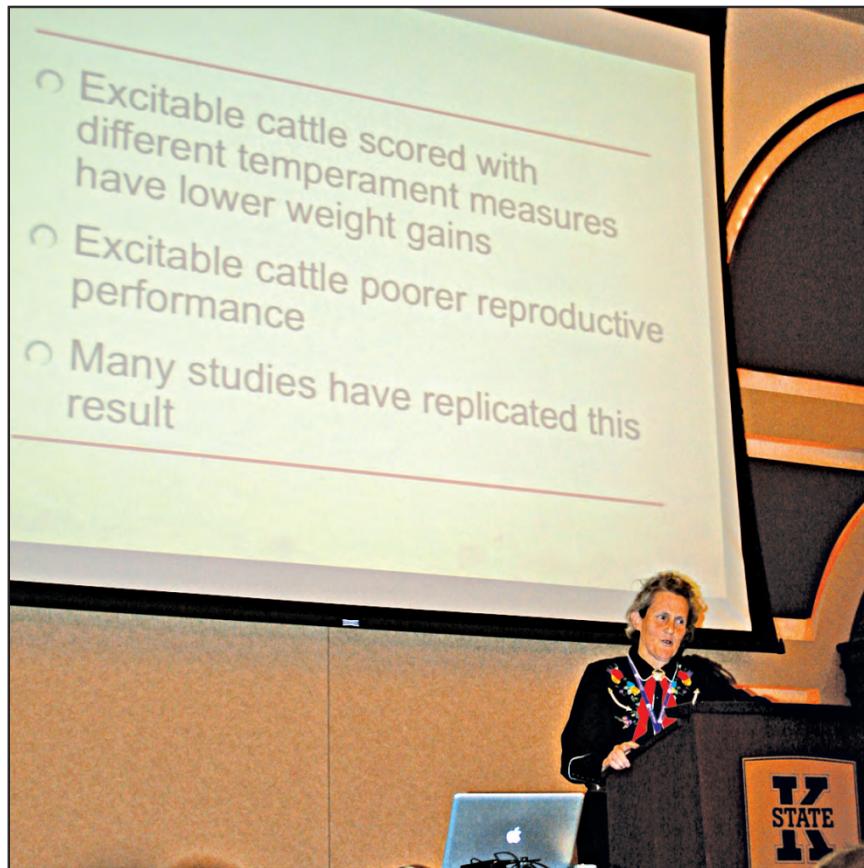


Grandin emphasizes stockmanship at 5th International Symposium on Beef Cattle Welfare

By Donna Sullivan, Editor

The one message that Dr. Temple Grandin has championed throughout her career is that stockmanship matters. And the world-renowned Colorado State University professor and livestock handling expert didn't vary from that theme as she presented at the 5th International Symposium on Beef Cattle Welfare hosted by Kansas State University's Beef Cattle Institute in early June. She presented a great deal of research illustrating the correlation between how cattle are handled and their overall performance.

"The bottom line is, calm cattle gain more weight," she stated. She discussed using chute scores to measure cattle temperament, but added the method works best with manual chutes. "It doesn't work very well in the hydraulic chutes that hold them so tight you can't measure how much they're jumping around." She shared other research that measures how fast they come out of the chute as an indicator of temperament. "In the last twenty years, cattle have been getting calmer and calmer," she pointed out. Research in the early 1990s correlated the position of hair whorls on the cattle's heads as an indicator of temperament, where



Colorado State University professor and world-renowned livestock handling expert Temple Grandin was one of the presenters at the 5th International Symposium on Beef Cattle Welfare hosted by Kansas State University's Beef Cattle Institute earlier this month.

Photo by Donna Sullivan

cattle with higher hair whorls tending to get more agitated during handling than those with lower hair

whorls. "I've noticed just in the last few years that I can hardly find an animal now with a high hair whorl," she

said. "And U.S. genetics are showing up in England. I went to three different beef farms in England recently

and they all had the lower hair whorls. Cattle overall are getting calmer."

But she cautioned against over-emphasizing temperament. "We don't want to turn beef cattle into a bunch of Holsteins," she warned. "That would probably be a really bad idea because we want a cow that's going to defend her calf."

She also pointed out that temperament scores can be changed with experience, by acclimating cattle to new people and experiences. Unfortunately, people don't always want to take the time for that.

"I've found in my long career that people want the magical thing more than they want the management. They want the magic drug, the magic computer, the magic facility. If I had a choice, would I rather have an older adequate facility with really good management and stockmanship, or state of the art with bad management? I'll take the older but adequate. But it does have to be at least adequate."

"Animals remember what we do to them," Grandin continued. "If we handle them quietly and use good stockmanship, they're going to be easier to handle in the future. If we handle them badly, they're going to be

worse."

Grandin emphasized that an animal's first experience with a new person, place or piece of equipment needs to be a good one. "New things are scary when you shove them in their face," she said. "But they are attractive when they voluntarily approach. A basic principle is that when you force animals to do something, you're going to get a lot more fear stress than when they voluntarily go through the facility."

Grandin said she has seen an improvement in people's attitudes towards animals and stockmanship over the years and believes the personality of the person handling the animals has a direct affect on their performance. "The confident introvert had higher producing dairy cows than the happy, social Charlie," she said of one study. "More and more people have gotten interested in having good stockmanship, but there's still a bunch of rough stuff going on, it hasn't gone away yet." But she hopes that through use of things like chute scores and other temperament measure, things will continue to improve. "You can't manage what you don't measure," she said. "We've got to prevent bad from becoming normal."

Kansans reclaim State Cowboy Poetry title

After out-of-staters claimed the trophy buckle during the last two years of the Kansas cowboy poetry contest, it was a clean sweep for Kansas in 2016 as Jerry Jones of Salina and Carl Stueve of Olpe claimed the top prizes. Jones won first place in the serious poem category and Stueve won in the humorous poem category.

Final results were as follows: Serious - 1st, Jerry

Jones, Salina; 2nd, Dana Moodie, Neodesha; and 3rd, Betty Burlingham, Manhattan. Humorous - 1st, Carl Stueve, Olpe; 2nd, Danny McCurry, Springfield, Missouri; and 3rd, Dwight Burgess, Wamego.

Only those who finished in the top three at one of three regional qualifying contests could compete at the state finals, held at the Flint Hills Discovery Center in Manhattan. Others who qualified for the state finals included Marci Broyhill, Dakota City, Nebraska; John Cannon, Fredonia; C.W. Harris, Hepler; Robert Lakey, Wichita; and Don Welborn, Meriden.

"Thanks again to our major donor, the Flint Hills Discovery Center Foundation, and our other sponsors: The Symphony in the Flint Hills, the Kansas Chapter of the Western Music Association; Drivers National Hall of Fame, Putnam Quarter Horses; and Vanderbilt's, Boot Barn, Roberts Cowboy Outfitters and R Bar B Saddle Tack and Trailer who are donating prizes for the winners," said state poetry contest chair Ron Wilson of Manhattan.

"We appreciate our excellent celebrity judges: Chief

Justice Lawton Nuss of the Kansas Supreme Court, Representative Sydney Carlin, Representative Tom Phillips, Marie Martin from the Flint Hills Discovery Center Foundation, and Donna Sullivan, editor of *Grass & Grain*," Wilson said.

As Kansas state champions, Jones and Stueve received the coveted Govern-

or's Buckle, the Saddlejack Bradrick Award, discounts and gift certificates from leading western wear stores, two tickets to The Symphony in the Flint Hills, and the opportunity to present their poems at the story circle following the symphony. Lieutenant Governor Jeff Colyer presented the buckles to the winners during story circle

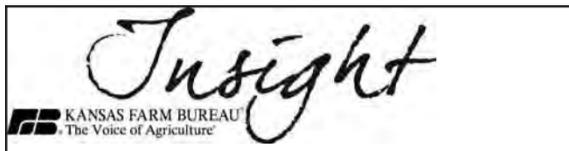
time. The state winners will also have their entry fees paid to compete in the National Cowboy Poetry Rodeo in Abilene.

State contest committee members include: Abby Amick, Alma, Volland Store marketing director; Tracy Henry, Wabaunsee County Economic Development director; Jeff Davidson, presi-

dent, Kansas Chapter of Western Music Association, Greenwood County; Brad Hamilton, western entertainer from Hoyt; Geff Dawson, Alma, two-time national poetry rodeo champion; and Trey Allen, Junction City, past Kansas champion. For more information, go to www.cowboypoetrycontest.com.



Contestants in the State Cowboy Poetry contest were, from left: Don Welborn, Danny McCurry, Jerry Jones, Dana Moodie, Carl Stueve, Betty Burlingham, Marci Broyhill, Dwight Burgess, and John Cannon. Photo by Ken Sullivan



By John Schlageck,
Kansas Farm Bureau

Several images surface as we dust off the cobwebs of our minds and reflect back on rural Kansas and those days of years gone by. Red barns, silver-steel windmills, cream separators, harvest crews, Burma-Shave signs and certainly the outhouse come to mind.

While many have tried to describe (or forget) the typical Kansas privy, each was

as different and original as the men whose job it was to build them. This column is dedicated to those prairie dwellers across Kansas who, in the middle of pioneering this great state, still took time for moments of contemplation.

Kansas outhouses were a reflection of its people – the region of the state where they settled and where they came from back in the Old Country. Each was a classic

in its own right, inherent of early settler architecture – the sturdy and inspirational “Little House on the Prairie.”

To Midwesterners and High Plains dwellers the outhouse has always seemed a fitting memorial to the ingenuity and practicality of our forefathers – those restless, imaginative spirits who first caught the scent of opportunity in the westerly breeze. And for all its many charms, the privy has gone the way of the mail-order catalog which it had such a long and intimate relationship.

Heck, some old timers in

the community I grew up in went so far as to label an outhouse the very seat of government – a place where equality of all people was perceptible and indeed undeniable.

Built with a few broad boards, wide sweeping strap hinges and a bold slice cut through the doorway, it was as solidly based as the distant barn itself. Usually a two-seater, it was equipped with flies, hornets, mosquitoes, spiders, corncocks or a Sears & Roebuck.

Normally it was located at a safe, but convenient distance from the main house, at the end of a cinder path and behind a lilac bush – hence the old expression, “I’m going out to smell the lilacs.”

Yes, at one time in our state’s history, a privy was certainly an interesting topic of discussion. Talk to today’s old timers or seniors and they’ll probably break

into a broad smile and share an experience or two of their time spent in the privy.

While we always enjoyed indoor plumbing, I can remember Sundays at my Uncle Lloyd’s in Phillips County. His family still used an outdoor toilet.

I was less than thrilled about doing my business in this dark, dank establishment. To begin with, there was a distinct odor I wasn’t fond of. I could never relax while imagining the black widow spiders lurking below me just waiting to send me to an early grave.

One story I’ll never forget involved a certain Volga German who built an outhouse shrine to himself less than a stone’s throw from his family dwelling. This structure was built with notched corners, manly hinges and a husky thumb latch.

Strong and solid, this structure was a match for

any prairie cyclone. The old gent loved his retreat and spent many an hour in his palace on the prairie.

His wife, on the other hand, considered this privy overbuilt, unnecessary and she remarked on more than one occasion that she wished the main house she lived in were as well built as her husband’s “s__ house.”

And one more story I recall became legend in northwestern Kansas. It was told about a special outhouse named Granny’s Glory. Built by Grandpa who adored his bride of fifty-some years, this wonderful little privy faced the eastern Kansas sky and included a nice southern window that cast a soft light on Granny’s reading material.

The dear old dame made and hung the curtains herself. When the couple died, the grandchildren couldn’t bring themselves to tear down the decaying monument.

Yessiree Bob, the outhouse is a part of our rich Kansas heritage we will never flush away.

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.

I thank you God for this most amazing day, for the leaping greenly spirits of trees, and for the blue dream of sky and for everything which is natural, which is infinite, which is yes.

-- e. e. cummings



Wow, we went from the rainy season right into the broiler. You have to love one hundred degrees and high humidity after a prolonged period of rain. Then you get oppressive heat, smothering humidity and mosquitos. There is nothing better than sweating and slapping while working outdoors. Misery loves company.

I must admit that I am afraid that we might be in a drought or at least a pro-longed dry spell. All the signs seem to be pointing toward that conclusion. This week the weatherman forecast a couple days of rain followed by cooler temperatures for the end of the week. As the first of the week approached the rain chances got slimmer and the temperatures got hotter. The weatherman misses rain often but they are usually right about cold fronts. In my expert opinion, that combination is not a good one, unless you are putting up hay.

Dad and I finished planting last week and we were surprised at just how dry the ground had gotten in just a couple of weeks. We were kind of counting on the rain. I suppose that was our first mistake. One should never count on anything as far as weather goes in Kansas. However, the beans do seem to be coming up fairly well in spite of the conditions.

Back to the impending drought because as we all know, in Kansas we are either in the middle of an impending drought or flooding. Dad and I finished planting and went right into baling brome hay. Even though the forecast called for rain, we decided to mow hay down anyway. After all we thought we could sacrifice a little hay to bring on a rain.

Monday morning dawned with a forty percent chance of scattered thunderstorms. I drove down to Dad’s to get started on mowing hay and on the way down I saw two turtles crossing the road. This was another sure sign it was going to rain. Turtles are never wrong. I also noticed that every bunch of cows I saw were huddled up in a corner, another “can’t miss” sign of impending precipitation.

There was even rain on the radar out in western Kansas and it seemed to be moving our way. Dad and I hooked up to the mower, serviced it, changed blades and we were ready to put hay down. A quick check of

the radar showed that the rain was quickly evaporating but the forecast promised it would redevelop in the afternoon or for sure by Tuesday. We decided we had to start mowing sometime and that might as well be now.

Dad mowed hay and I worked on the rake and watched the radar. Later that afternoon it became painfully obvious the rain had passed us by for the day. No worries, the best chance of rain was Tuesday anyway and we had really set ourselves up to get rained on. Isaac was scheduled for his freshmen orientation at Kansas State and parents were highly encouraged to attend. Dad would be on his own (something he would say is not all that unusual) so there was no hope of one of us raking while the other baled. If that wouldn’t bring on rain, I don’t know what would. Just for good measure we went ahead and hung clothes out on the line before we left.

Storms were supposed to start bubbling up that afternoon. Sure enough, about four o’clock little green dots started turning into green and orange. Maybe all this planning was going to work and our soybeans would get some much-needed rain. I emerged from Isaac’s enrollment to see a darkening cloud pretty much over Manhattan. I called Dad and he had just finished raking and started baling, he also noted the rainy look off to the west. We both agreed that we would gladly sacrifice some hay for a little rain. That was probably our biggest mistake; never talk about your plans when it comes to rain.

That night I watched as the clouds built up and moved straight east, missing us by just a few miles. I heard reports that several places really close to us got a good rain. I have to admit that I experienced rain envy. After all, we had done everything we could do to attract the rain and all of the signs pointed toward success. I mean how often do turtles and cows lie? In retrospect maybe I should have left the pickup windows down, but I don’t know what else I could have done. I guess we are in for a real dry spell, perfect haying weather, we might as well mow as much hay down as we can because there is no rain anywhere in the forecast. Nope, there is no way this hay will get wet, so I might as well get to mowing. Wink, wink!

COWPOKES®

By Ace Reid



“Boys, I called the banker and told him ol’ Domino was snake bit. Now it seems like he’s sicker’n the old bull.”



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GRASS & GRAIN (USPS 937-880)
The newsweekly for Kansas and southern Nebraska, published each Tuesday at 1531 Yuma (Box 1009), Manhattan, KS by Ag Press, Inc. Periodicals postage paid at Manhattan, Kansas. Postmaster send address changes to: Ag Press, Box 1009, Manhattan, KS 66505.

Subscription — \$76 for 2 years, \$41 for 1 year, plus applicable sales tax. Outside Kansas, \$51 for 1 year, \$95 for 2 years.

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WAFWA land acquisition permanently protects lesser prairie-chicken habitat in Kansas

The Western Association of Fish and Wildlife Agencies (WAFWA) has finalized the purchase of approximately 30,000 acres of high-quality lesser prairie-chicken habitat in southwest Kansas. The permanent protection and long-term conservation of lesser prairie-chicken habitat is an important goal of the Lesser Prairie-Chicken Range-wide Conservation Plan. Funding for this acquisition comes from the voluntary contributions of industry partners that are enrolled in the range-wide plan.

"The acquisition of Sunview Ranch is a significant positive development to conserve the lesser prairie-chicken," said Alexa Sandoval, director of the New Mexico Department of

Game and Fish and Chairman of the Lesser Prairie-Chicken Initiative Council. "This transaction involved a willing seller of land that contains prime lesser prairie-chicken habitat and furthers our goal of providing a stronghold of at least 25,000 acres in each of the ecoregions where the lesser prairie-chicken is still found. We commend all of our partners for their continued commitment to conservation of the lesser prairie-chicken."

The range-wide plan is a collaborative effort of WAFWA and the state wildlife agencies of Kansas, Colorado, New Mexico, Oklahoma and Texas. It was developed to ensure conservation of the lesser prairie-chicken through voluntary

cooperation by landowners and industry. The plan allows agriculture producers and industry to continue operations while reducing impacts to the bird and its grassland habitat.

The Sunview Ranch (formerly Tate Ranch) is in the sand sagebrush ecoregion, which covers portions of Kansas, Colorado and Oklahoma and once contained the highest density of lesser prairie-chickens in the country. The dominant vegetation on rangelands in the region is sand sagebrush which is a native shrub typically associated with deep sandy soils in dune landscapes. Livestock grazing is the primary land use on rangeland throughout the sand sagebrush region, and through grazing leases, will

continue to be used as a management tool on the Sunview Ranch.

"This property is one of the largest remaining contiguous tracts of sand sagebrush prairie in the region," said Jim Pitman, Conservation Delivery director for WAFWA. "Conserving this property in perpetuity ensures that it will remain a working ranch and continue to provide habitat for the lesser prairie-chicken in the portion of its range where the population has declined the most. Prescribed grazing is the core management practice for lesser prairie-chickens, and we will be implementing it on the ranch to conserve and enhance habitat for the species."

Kansas State University joins 12 public, private universities calling for increased federal investment in agricultural research

Kansas State University is one of 13 prominent research institutions in the United States that have joined the SoAR Foundation in calling for a surge in federal support of food and agricultural science. "Retaking the Field," a report released by this coalition, highlights recent scientific innovations and illustrates how U.S. agricultural production is losing ground to China and other global competitors.

"The 'Retaking the Field' report highlights the impact of the publicly funded land grant university system in responding to grand challenges around food and agricultural production, now and into the future," said Ernie Minton, Kansas State University associate dean of research and graduate programs. "In Kansas, agriculture drives the economy. It is the state's largest industry and the state's largest employer. As Kansas' land grant university, K-State strives to serve that industry as an important provider of new technologies, not only in the area highlighted in this report, but many areas where we have unique strengths in water, crops, livestock and other mission-focused research. However, state and federal investments in food and agricultural research must expand to ensure that

needed technologies emerge at a pace that meets future production challenges."

"Retaking the Field" looks at the importance of agriculture and its related industries to the U.S. economy. According to the U.S. Department of Agriculture, this sector was responsible for nearly one in ten jobs in 2014 and contributed \$835 billion to the U.S. gross domestic product. Even though every public dollar invested in agricultural research provides \$20 in economic returns, the federal budget for agricultural research has remained flat for decades. Today, the U.S. trails China in both agricultural production and public research funding.

"The first introduction of PEDv (Porcine Epidemic Diarrhea Virus) into the U.S. swine industry in 2013 was devastating with approximately 60 percent of the sow herds becoming infected with many herds reporting 100 percent piglet mortality at the onset of the infection," said Jason Woodworth, Kansas State University research associate professor. Woodworth and his team first confirmed pig feed as a path of transmission for the virus. Their efforts are highlighted in the report.

"At Kansas State, we quickly put together a team

that combined our strengths in applied swine nutrition, feed science, and veterinary medicine and partnered with experts at the Iowa State University Vet Diagnostic Laboratory to conduct research studies that successfully generated information for pork producers and feed manufacturers to identify ways to mitigate PEDv risk," Woodworth said. "Our work focused on ways to manufacture or treat feed that would reduce cross contamination with the ultimate goal to prevent the spread of the virus to new farms. Our work was sponsored by the National Pork Board and it was their quick call to action that allowed the U.S. swine industry to become better educated about this virus and to ultimately find ways to minimize the spread of PEDv."

The K-State team played a critical role in containing the outbreak. The cumulative incidence of PEDv infections dropped from 56 percent in 2013-14 to 6 percent in 2015-16.

"Researchers are discovering incredible breakthroughs, helping farmers produce more food using fewer resources, and keeping our meals safe and nutritious," said Thomas Grumbly, president of the SoAR Foundation. "However, the science behind agri-

culture and food production is starved of federal support at a time of unprecedented challenges. A new surge in public funding is essential if our agricultural system is going to meet the needs of American families in an increasingly competitive global market."

Farming has never been an easy endeavor and today's challenges to agricultural production are daunting. The historic California drought continues and U.S. production is also threatened by new pests and pathogens, like the 2015 Avian Influenza outbreak that led to the culling of 48 million birds in 15 states and \$2.6 billion in economic damages.

"Every year, the director of national intelligence testifies before Congress that our national security is threatened by hunger in unstable regions," Grumbly said. "As the number of people on our planet continues to grow, we must produce more food. This cannot be done with yesterday's science. We need a larger infusion of cutting-edge technologies."

The "Retaking the Field" report can be downloaded at <http://supportagresearch.org/retakingthefield/>

Public hearing scheduled for reportable animal disease regulation

A public hearing will be conducted at 10:00 a.m. on Wednesday, July 6, 2016, to consider the adoption of a proposed regulation concerning reportable animal diseases. The hearing will be held in the first floor meeting room (Room 124) of the Kansas Department of Agriculture (KDA) building, 1320 Research Park Dr., Manhattan. K.A.R. 9-27-1 relates to the designation of certain infectious or contagious diseases of animals in Kansas as reportable. Diseases designated as reportable in this list are to be immediately reported to the animal health commissioner.

Individuals who have questions about the meeting should contact Ronda Hutton at KDA: by phone at 785-564-6715 or by e-mail at Ronda.Hutton@kda.ks.gov. Please visit the department's website, www.agriculture.ks.gov, to comment on the regulation.

Persons who require special accommodations must make their needs known at least five days prior to the meeting.

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GRASS & GRAIN Our Daily Bread

*****By G&G Area Cooks*****

Cynthia Falk, Onaga, Wins G&G Contest

Cynthia Falk, Onaga: "With Kansas wheat harvest in full swing, this is a perfect bread to make and serve."

CRACKED WHEAT & BEER BREAD

1 cup hard white winter or hard red winter wheat kernels/berries
1 ½ cups water, room temperature
¾ cup water, room temperature
6 ounces of your favorite wheat beer, room temperature
1 (1/4-ounce) package active dry yeast
¼ cup honey
1 large egg, beaten
4-4 ¼ cups bread or all-purpose flour
1 tablespoon vital wheat gluten, optional
¼ cup unsalted butter, melted
1 tablespoon salt
1 tablespoon cornmeal, optional

1. Soak wheat kernels in 1 ½ cups water 12-24 hours. When ready to prepare dough, drain and rinse kernels.

2. Combine kernels and ¾ cup water in blender jar. Process; stirring several times, until wheat is cracked to consistency you prefer.

3. In the bowl of a stand mixer, fitted with paddle, pour wheat mixture into bowl. Pour beer into blender jar and "rinse" before adding beer to mixer bowl. Stir in yeast; wait 5 minutes.

4. Beat in honey, egg, 3 cups flour, gluten, butter, and salt. Gradually stir in enough of the remaining flour to make a soft dough; knead with dough hook 5-8 minutes. Cover; let dough rise 1 ½ hours.

5. Grease a 9-inch cake pan; sprinkle with cornmeal. Transfer dough onto a floured work surface. Lightly sprinkle the dough with flour; round into a smooth ball and place in pan.

6. Cover; let rise until doubled, about 60 minutes. Preheat oven to 400 degrees. With a sharp knife, make ¼-inch to ½-inch deep decorative slashes in the top of the dough in an "X" pattern.

7. Bake bread 20 minutes. Lower oven temperature to 375 degrees; turn pan around for even baking. Bake loaf an additional 20-25 minutes. Cover with foil last 10-15 minutes if bread browns too quickly. The bread is done when golden brown and an instant-read thermometer inserted into the center registers 205-212 degrees. Remove from pan; cool on rack.

NOTE: This bread makes excellent toast! Makes 1 large loaf.

Regina Wofford, Circleville: "This is a very good refreshing Sangria."

SANGRIA

1/2 cup brandy (fruit flavored) or spiced rum
1/3 cup frozen lemonade concentrate
1/4 cup lemon juice
1/3 cup orange juice
1/2 cup Triple Sec
(1) 750ml bottle of red wine (we like Barefoot brand sweet red)
1/2 cup sugar, vary depending on the sweetness of your wine
Sliced fruit

2 cups 7-up or Sprite (optional)

Combine all except fruit & pop. Stir well to dissolve sugar. Chill well; overnight is best. Add fruit before serving. If you want fizzy sangria, add pop just before serving.

Lydia J. Miller, Westphalia: "Pairs wonderfully with all kinds of meat."

CREAMY ONION RELISH

2 cups thinly sliced onions
1 cup white wine vinegar
2 teaspoons caraway seeds
1/8 teaspoon celery salt
1/2 cup mayonnaise

Put onions in a dish and cover with vinegar. Chill 3 hours turning onions several times. Drain off vinegar, reserving 2 tablespoons. Sprinkle onions with caraway seed and celery salt. Combine 2 tablespoons reserved vinegar with mayonnaise. Stir together mayonnaise mixture and onions. Makes 8 servings.

Katrina Morgan, Americus:

S'MORES BARS

1/2 cup margarine, softened
1/2 cup packed brown sugar
1 cup flour

1/2 cup graham cracker crumbs
2 cups miniature marshmallows
1 cup semisweet chocolate chips
1/2 cup chopped walnuts
Beat margarine and sugar until light and fluffy. Add combined flour and crumbs; mix well. Press onto bottom of greased 9-inch square pan. Sprinkle with remaining ingredients. Bake at 375 degrees for 15 to 20 minutes or until golden brown. Cool and cut into bars. Makes 16 servings.

Millie Conger, Tecumseh:

OATMEAL CRINKLE COOKIES

1 ¾ sticks unsalted butter
1/4 cup brown sugar
2/3 cup white sugar
2 large eggs
2 teaspoons vanilla
1 1/2 cups flour
2 1/4 cups old-fashioned oats
1 1/4 teaspoons cinnamon
1 1/4 teaspoons salt
1 teaspoon baking soda
1 cup powdered sugar

Heat oven to 375 degrees. Combine first 3 ingredients in the bowl. Mix on high until light and fluffy about 3 minutes. Add eggs and vanilla and mix until incorporated, about 1 minute. Add all ingredients but powdered sugar in a small bowl. Scoop and roll dough between your palms into golf ball sized balls. Toss in bowl of sugar until completely covered. Place 2-3 inches apart on a greased or parchment lined baking sheet. Bake 9-10 minutes until golden brown and cracked. Let cool completely on cookie sheet.

Stay Safe this Summer

By Nancy C. Nelson
Meadowlark District Agent

Family Life

Summertime is here! Most people enjoy outdoor activities when the weather is warm, but the sun, heat, and outdoor insects can create health hazards. Be prepared so you can take full advantage of summer fun.

Your bodies have built-in cooling systems that help you adjust to warm temperatures. Remember that any activity will increase your body temperature, and your natural cooling system can fail if exposed to high temperatures for too long. Humidity also causes sweat to "stick" to your skin and not evaporate as quickly, which allows body temperature to go up even more.

Make sure you stay hydrated by drinking plenty of water, and cool off with fruits and vegetables that are rich in water. An easy way to know if you are hydrated is to check the color of your urine. Pale yellow (like lemonade) means you are well hydrated. Darker yellow (like apple juice) means you need to drink more water. As a guide, drink 8 to 10 ounces of water for every 20 minutes of outdoor activity.

Listen to your body when you are active outside in the heat. If you experience weakness, dizziness, muscle cramps, nausea, headache, are feeling light headed, or your heartbeat is rapid, find a place to cool down immediately.

If you plan to be out in the sun, remember this catchphrase that prompts you to protect yourself — Slip! Slop! Slap! Wrap!

Slip on a shirt or some type of clothing cover. Keep in mind that a typical t-shirt will only provide an SPF rating of 15 or lower, and when it is wet



the protection is even less.

Slop on sunscreen. Make sure it is a broad spectrum product with an SPF of 15 or higher. Some health professionals recommend an SPF of 30. Apply sunscreen at least 15 minutes before you will be in the sun and use 1 ounce — enough to fill a shot glass — to cover your entire body. Don't rely on make-up that contains sunscreen. Reapply sunscreen about every two hours.

Check the expiration date to make sure your sunscreen is still effective. When you buy sunscreen and it doesn't have an expiration date, write the year on the tube with a permanent marker. Sunscreen products are good for 2 to 3 years; if they have been exposed to heat for long periods, they will be less effective.

Slap on a hat and wrap on sunglasses. Choose a wide-brimmed hat and sunglasses that block 99 to 100 percent of UVA and UVB rays.

Avoid bug bites. While most bug bites are harmless, some mosquitoes and ticks can spread diseases (including Zika, dengue fever, West Nile virus, and Lyme disease), and some of these cannot be prevented or treated. Reduce your risk by preventing bug bites.

Apply insect repellent when you are going to be outdoors and are at risk for getting bitten by ticks or mosquitoes. Use EPA-registered insect repellents that contain at least 20 percent DEET and apply a thin layer to the surface of all exposed skin. Follow the directions on the product to determine how frequently it needs to be applied. If humidity is high, you are perspiring, or get wet, you may need to reapply repellent more frequently.

Do you fake meals to the fields during Harvest?

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Join a New Kind of "Clean Plate" Club

By Martha Murphy
Wildcat District
Extension Agent
Pittsburg EFNEP office

As a child, we've all heard, "Clean your plate." We're suggesting ways to "clean up" your diet by encouraging you to eat more foods as they occur in nature. Some of these you could eat raw, and others should be gently cooked. One of the best ways to stretch your food dollars and increase the likelihood of a healthy life span is to eat more foods that are minimally processed. Below are our favorite ways to eat more healthful, whole and unrefined foods.

Eat more vegetables and fruits. Especially, look for fresh ones or those with ingredient labels that show they have no added sugars or salt.

Buy local. If you don't have your own garden, consider a weekly trip to a farmers market or roadside stand this summer. When you buy locally raised vegetables and fruits, they are likely to be very fresh. If you buy eggs, cheese and meats at the market, be sure to keep them cold until you can get home and put them in the refrigerator.

• Be flexible. Plan your menus based on the abundance of crops available during the growing season.

• Buy foods when they are at the growing season's peak weeks, when their taste is at its best and the competition between farmers lowers prices. In Kansas, the June growing season includes harvests of: beans, beets, berries, broccoli, cabbage, carrots, cauliflower, cucumbers, most greens, green onions, peas, radishes, squash and turnips.

• Buy at the end of the day. Farmers don't want to have to haul unsold produce home, so you may be able to shop late and net a "don't-want-to-pack-it-up" bargain!

Make your own healthy baked goods. Many food dollars and excess calories, added sugars, saturated fat

and trans fat come from the sweet baked goods that we splurge on. Make a family rule to only indulge in these treats when you make them at home. Look online for healthy recipes, such as at <https://www.whatscooking.fns.usda.gov/>. Then check your pantry for the needed ingredients. Freeze extras for later use.

Purchase fewer highly processed foods. Two good general rules are to:

1. Look for foods with no ingredient labels, or with ingredient labels showing as few added sugars and hard-to-pronounce words as possible.

2. Read Nutrition Facts labels and buy foods with large serving sizes but that are low in calories, sodium, saturated fat and trans fat.

For additional information, contact the Wildcat Extension District, Crawford County, 620-724-8233, Labette County, 620-784-5337, Montgomery County, 620-331-2690, Pittsburg Office, Expanded Food and Nutrition Education (EFNEP), 620-232-1930. Our website is <http://www.wildcatdistrict.k-state.edu/> or follow us on Facebook: Wildcat Extension District.



Farmer's Market Salsa

- 1/2 cup corn, fresh cooked or frozen
- 15-ounce can black beans, drained & rinsed
- 1 cup fresh tomatoes, diced
- 1/2 cup onion, diced
- 1/2 cup green pepper, diced
- 2 tablespoons lime juice
- 2 cloves garlic, finely chopped
- 1/2 cup picante sauce

Combine all ingredients in a large bowl. Chill until serving time. Drain before serving. Serve with low fat baked tortilla chips or fresh vegetables.

Planning an Inexpensive Vacation

By Kylie Ludwig
Wildcat District
Extension Agent
Labette County office

A family vacation is an annual tradition for many families but for those on a tight budget, it may be an unnecessary expense. Like any big purchase, a vacation requires planning. Many vacationers are shocked when they receive their credit card bill after returning from a vacation; the time to create a spending plan is before you leave, not after you return. Creating a budget creates parameters that guide vacation plans. Knowing how much you can realistically afford to spend and how much you have yet to save creates the timeline for your trip as well.

How do you plan to get there, by train, plane or automobile? While packing the family into the minivan and setting out on a road trip might seem like the most economic choice, the cost of gas and car maintenance must be factored in to the budget. Finding last minute air-

fare deals can be a great way to save on air travel, but booking well in advance can reap better prices, too. Additionally, it may be difficult for families to take the risk of finding a cheap deal at the last minute, especially if traveling within a specific date range for an event or due to a work schedule. Traveling by train is often the cheapest option. If travel destinations fit within a train route, consider this option, but also consider the added cost of a rental car if one will be required at the final destination.

Food costs eat up a lot of the vacation budget. Staying in a hotel with a kitchen or refrigerator can help cut down on expenses by keeping restaurant costs at a minimum. Hotels that include a free breakfast each morning can also be a great deal. Sharing entrees and cut-

ting back on alcohol are also good tips to reduce the bill.

Thinking about the fun things you'll do on vacation is the best part of vacation planning. Think about who will go on this trip: young children? Teenagers? Elderly relatives? Try to match activities with what makes the most sense for your group. Finding deals in advance online can be a huge help. Sign up to receive daily emails from coupon sites. Also, consider the "free"

activities available in your vacation destination, like public parks, beaches, street fairs, and festivals.

Source:
<http://bit.ly/25BaXw9>

For additional information, contact the Wildcat Extension District, Crawford County, 620-724-8233, Labette County, 620-784-5337, Montgomery County, 620-331-2690, Pittsburg Office, Expanded Food and Nutrition Education (EFNEP), 620-232-1930.

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New deputy commissioner for FDA comments on veterinary medicine priorities

In a Q&A document posted on the FDA website on June 3, 2016, FDA's new Deputy Commissioner for Foods and Veterinary Medicine (FVM) Stephen Ostroff, M.D. shared his thoughts about FDA's role in veterinary medicine. The question posed to Dr. Ostroff was, "What about veterinary medicine? What is the priority there?" In response to the question, he replied, "Antimicrobial resistance is a very important topic for

human and veterinary medicine. On the veterinary medicine side, it is important that we continue to address the role and contribution of antibiotic use in food producing animals to antimicrobial resistance. We have initiated a number of steps to reduce and ultimately eliminate non-judicious uses of medically important antimicrobial medications to enhance growth or feed efficiency in food animal production. This includes

working collaboratively with stakeholders to secure voluntary removal of production indications from the labels of medically important antibiotics and bringing use of antibiotics in food animals under the supervision of a veterinarian."

Dr. Ostroff also stated, "In addition to our work with the National Antimicrobial Resistance Monitoring System (NARMS), we are collecting data on the sales of antimicrobial medica-

tions. We recently expanded sales data collection to require that sponsors of antimicrobial medications provide estimates of their sales data broken down by species of food-producing animals, in addition to over-

all sales. We need to work with the U.S. Department of Agriculture and the food animal industry to gather information on actual use patterns on the farm and to make sure that any use is under veterinary oversight

for specific animal health purposes.

To read more on Dr. Ostroff's background and the full Q&A document, visit <http://tinyurl.com/FDA-6-10-16>.

Wheat quality indicators

By Josh Coltrain, Crop Production Agent, Wildcat Extension District

This time last year it seemed wheat producers were scrambling to determine what vomitoxin was. Thankfully, for all involved, it appears that vomitoxin levels are substantially lower than last year. However, wheat quality can be quantified in other ways that producers may or may not completely understand.

One of the most well-understood measurements of wheat quality is test weight. Test weight is basically the weight of given mass of wheat in a set volume (i.e. pounds per bushel). Science fanatics everywhere will recognize this as the definition of density. While

it is usually a good indicator of quality, it can be a bit misleading.

Just because a sample has a high test weight doesn't guarantee high quality. To illustrate, last year's vomitoxin levels drove some producers to clean their wheat before marketing thus increasing the test weight. While cleaning worked and the wheat had a higher test weight, the vomitoxin levels were still unacceptable. Unfortunately, that wheat remained unmarketable.

Another common and familiar wheat quality indicator is percent protein. Protein is significant due to the grain's end-use as it plays an integral role in the baking quality of the flour. For

instance, lower protein flour is preferred when baking crisp, tender products like snacks or cakes while higher protein flour is desirable for products that are chewier like pan bread. Protein is an interesting quality gauge in that it is often inversely correlated to yield (i.e. higher proteins indicate lower yields).

One measurement that instigated southeast Kansas producers concern last year was the falling number (or fall number) which is a quality indicator that is not widely understood. The test begins when the wheat is ground into flour and mixed with distilled water to form a slurry. After being brought to a boil, the slurry becomes a thick paste. The actual measurement from the test is the time it takes a stirrer to drop (or fall) through the paste.

Simply, the falling number is a way to quantify sprout damage. The test essentially measures the level of amylase within the flour. Amylase is an enzyme that breaks down starches into sugars and if sufficient levels are reached, it is an indication that the grain had initiated the germination process. If germination commenced, the stirrer would fall faster through the paste because sugar does not offer the same resistance as starch. Therefore, a higher falling number (thus a slower descent) signifies higher quality.

While starch converting to sugar may not sound detrimental, it certainly impacts how the grain can be used. For an oversimplified example, if the flour is intended for baking has had too much amylase activity, it would not rise appropriately. This is due to the fact that starch level is directly linked to the ability to rise.

As an agronomic crop, wheat is fairly unique in that a high percentage is directly used for human consumption. Due to this, grain quality is more important to wheat than our other field crops. Hopefully, harvest is timely and safe for producers and results in high quality wheat. If you have questions or would like more information, please call me at the office (620) 724-8233, or e-mail me at jcoltrain@ksu.edu, or visit the Wildcat Extension District website at www.wildcat-district.ksu.edu.



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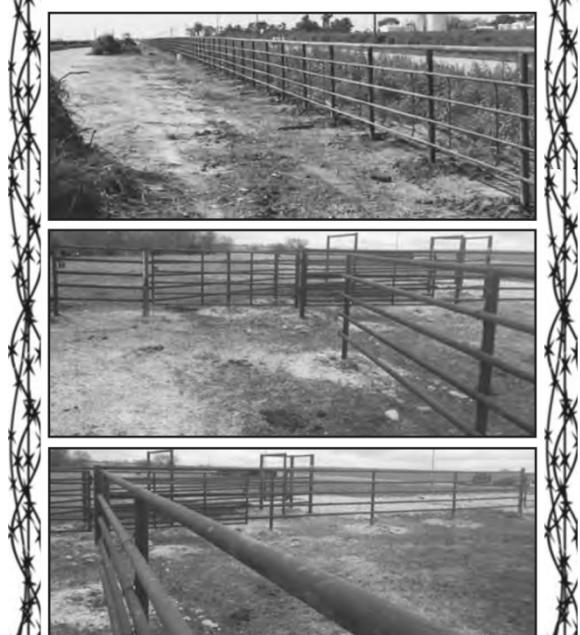
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Kansas Veterinary Medical Association honors Jernigan as Veterinarian of the Year

The Kansas Veterinary Medical Association was pleased to honor Dr. Tom Jernigan of Council Grove with the KVMA's most prestigious award, the Veterinarian of the Year Award on June 6 at KVMA Awards Luncheon held during the 78th Annual Conference for Veterinarians in Manhattan, Kansas. The Veterinarian of the Year award is given only to KVMA members that have demonstrated outstanding contributions to the veterinary profession, the KVMA and the community. Candidates are nominated by constituents of the association or clients.

"Dr. Tom Jernigan has devoted his career to veterinary medicine and exemplary care for animals," says Megan Kilgore, KVMA executive director. "He has set a professional example for veterinarians in the state of Kansas."

Dr. Jernigan received his doctorate of veterinary medicine from Kansas State University and began practicing mixed animal medicine in Council Grove in the late 1970s. Commonly referred to as Dr. Tom, he joined Jernigan Veterinary Clinic immediately after graduation, where he practiced with his father, Dr. Loyce Jernigan. A family filled with veterinarians, Dr. Tom has given of his time and talents in numerous ways. He was a past president of the Kansas Veterinary Medical Association, served on the Kansas Board of Veterinary Examiners, and has been a mentor for many veterinary students from Kansas State University College of Veterinary Medicine.

A true servant leader, Dr. Tom is also a community leader in Council Grove serving on many boards and committees. He served as president/chairman of the USD 417 board of education and Morris County Hospital.



Dr. Marty Vanier, Manhattan, presents Dr. Tom Jernigan with the Veterinarian of the Year award.

Dr. Tom and his wife, Diane, reside in Council Grove and enjoy spending time with family and friends. The couple has three grown children; Jennifer, Julie and Jay and are the proud grandparents of eight granddaughters.

Founded in 1904, The Kansas Veterinary Medical Association is comprised of approximately 900 veterinarians from around the nation, all committed to serving the veterinary medical profession and protecting human and animal health.



Several members of Dr. Tom Jernigan's family were on hand to celebrate his selection as Veterinarian of the Year.



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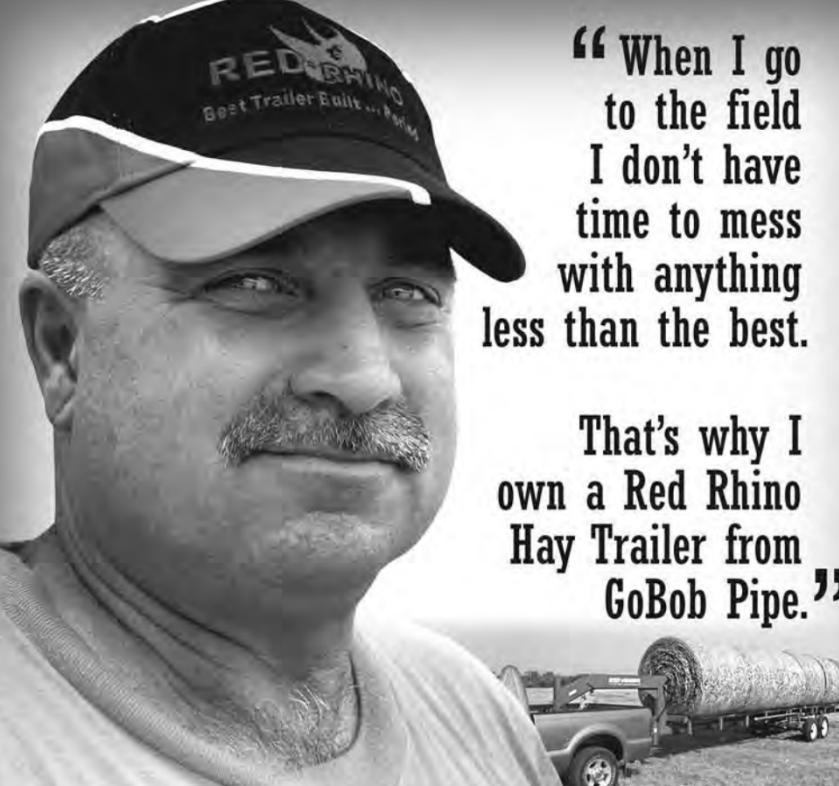
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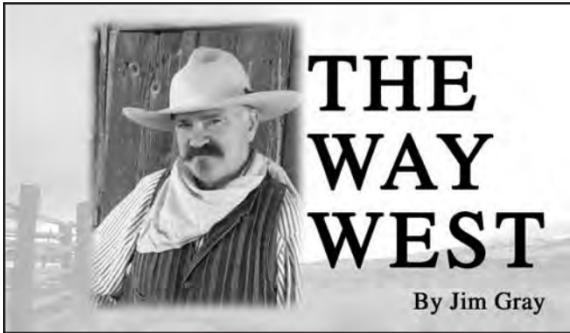
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It Was Second Nature

By the spring of 1865 the American Civil War was finally coming to an end. Following General Lee's sur-

render of the Army of Northern Virginia at Appomattox, April 9, 1865, the remaining armies of the Con-

federacy laid down their arms over a period of eleven weeks. The last Confederate general in the field, General Stand Watie, signed a cease-fire with Union representatives at Fort Towson, June 23, 1865. Stand Watie's name became legend among faithful Confederate supporters.

It was fitting that Indian Territory was the last stronghold of the failed succession. Within months the north and south would begin its slow healing process as a steady march of southern cattle passed through that very last Confederate stronghold to northern markets. St. Louis, Missouri, was the traditional livestock center. Its natural location allowed for brisk business, making the river port second only to New Orleans by the 1840s.

The states of Missouri, Illinois, and Ohio had long dealt in a heavy trade of oxen for the great wagon trains that crossed the plains to the western mining districts and to Santa Fe, California and Oregon. At war's close northern cattle herds had been diminished just as the American appetite for beef was growing.

Throughout the summer and fall of 1865 beef buyers placed whatever fat cattle they could find on the road to St. Louis. The demand seemed insatiable. Farther

north, nine railroads converged at Chicago, Illinois, and on Christmas day, 1865, the Chicago Union Stock Yards opened for business. Phillip Danforth Armour established a new packing house at Chicago, beginning the storied tradition of beef packing in Chicago, Illinois.

A hungry nation turned its eyes toward the Lone Star State. Tens of thousands of wild cattle were grazing the prairies of east central and south Texas. As 1865 wore on, returning soldiers took to the saddle gathering unbranded cattle and rebuilding herds. The building blocks for the creation of the great American cattle industry were in place and legends were just a whisper away.

Some of the first men to trail cattle north in 1866 were already accomplished cattlemen. They had trailed cattle either to New Orleans or to northern markets prior to the war. Many an unsung trail driver passed up the Texas Road as early as the 1840s. Five to six trail herds a day were reported passing Fort Gibson, Indian Territory, during the trailing season of 1842. They were mostly small outfits of less than 400 head and only four or five men.

William McCutcheon and Jesse Day were drawn to the idea of driving Texas cattle to Illinois in 1857. William McCutcheon's son, Willis,

along with Jesse Day's sons, Bill and Doc made the long drive. The experience would make eminent trail drivers out of all three young men. In *Historic Sketches of the Cattle Trade of the West & Southwest*, Joseph McCoy notes, "Wherever you meet a man who in his childhood was trained to business and labor as a cattle drover, you find a being whose second nature and greatest delight is to be with live stock. No endearments, of home, or profits of a more quiet or routine business, can retain or allure him from persistently following his favorite pursuit; no matter if it is not half so profitable, really, as are other more quiet, unexciting employments. He loves the drove and the trail, the risk, excitement, and ever changing scenes and circumstances incident to the drover's life."

There was never any doubt that risk would follow the drover, and while it was not always profitable, the end of the rainbow could occasionally be found at trail's end. The McCutcheon-Day drive of 1857 turned out to be very profitable. At Quincy, Illinois, a buyer offered twenty-five dollars per head in gold, which was readily accepted. The same cattle would perhaps have brought five dollars per head in Texas.

Jesse Day and his sons

continued to trail in 1858 and 1859, driving to Tipton, Missouri. Tipton at that time was the "end of track" as the Pacific Railroad completed their line to that location in August of 1858. In 1860, Jesse, Bill, and Doc, were once again on the trail. Near Waco, Texas, on April 22nd, Jesse and Bill were both swept from their horses as they attempted to swim the trail herd across the swollen Brazos River. Bill was rescued and though near death he survived. Jesse lost his battle with the river. They buried their father at Belton, Texas, and returned to the trail to deliver the cattle to a buyer near Kansas City.

The brothers continued to place herds on the trail doing business at the wild Kansas cattle towns. Trailing cattle was, indeed, as McCoy observed, second nature to the Day brothers as they followed their favorite pursuit throughout the span of the trail-driving era on The Way West.

"The Cowboy," Jim Gray is author of the book *Desperate Seed: Ellsworth Kansas on the Violent Frontier, Executive Director of the National Drovers Hall of Fame, and Trail Boss of THE Texas Longhorn Cattle Drive/Chisholm Trail '17. Contact Kansas Cowboy, P.O. Box 62, Ellsworth, KS 67439. Phone 785-531-2058 or kansascowboy@kans.com*

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Hot, dry weather signals start of harvest

For the week ending June 12, 2016, temperatures were six to eight degrees above normal across most of the state, according to the USDA's National Agricultural Statistics Service. Rainfall amounts of up to one inch were reported in

the west, with the rest remaining dry. Winter wheat harvest gained momentum in the south. There were 6.6 days suitable for fieldwork. Topsoil moisture rated 2 percent very short, 17 short, 76 adequate, and 5 surplus. Subsoil moisture rated 2 percent very short, 12 short, 82 adequate, and 4 surplus.

Field Crops Report: Winter wheat condition rated 1 percent very poor, 7 poor, 31 fair, 51 good, and 10 excellent. Winter wheat coloring was 92 percent, ahead of 76 last year and the five-year average of 75. Harvested

was 5 percent, near 1 last year, but behind 15 average.

Corn condition rated 0 percent very poor, 4 poor, 26 fair, 62 good, and 8 excellent. Corn emerged was 96 percent, ahead of 86 last year, and near 95 average. Silking was 1 percent, near 0 last year, but equal to the average.

Soybean condition rated 0 percent very poor, 2 poor, 31 fair, 63 good, and 4 excellent. Soybeans planted was 75 percent, well ahead of 50 last year, but near 77 average. Emerged was 40 percent, ahead of 27 last year, but behind 59 average.

Sorghum condition rated 0 percent very poor, 2 poor, 24 fair, 72 good, and 2 excellent. Sorghum planted was 63 percent, ahead of 50 last year, but near 64 average. Headed was 1 percent, near 0 both last year and average.

Cotton condition rated 0 percent very poor, 2 poor, 36 good, and 59 good and 3 ex-

cellent. Cotton planted was 56 percent, behind 72 last year, and well behind 80 average. Squaring was 1 percent, near 0 both last year and average.

Sunflowers planted was 51 percent, ahead of 38 last year, and near 48 average. Emerged was 14 percent, ahead of 9 last year, but behind 20 average.

Alfalfa hay condition rated 1 percent very poor, 6 poor, 31 fair, 56 good, and 6 excellent. Alfalfa hay first cutting was 92 percent complete, well ahead of 51 last year, and ahead of 82 average. Second cutting was 4 percent complete.

Livestock, Pasture, and Range Report: Pasture and range conditions rated 0 percent very poor, 2 poor, 20 fair, 65 good, and 13 excellent.

Stock water supplies were 2 percent very short, 4 short, 88 adequate, and 6 surplus.

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AROUND KANSAS



We headed west. There is something about driving west that sets the soul free. The land opens up, it spreads out before you like feast of the senses. With the spring rains, the land is lush—lush grass and grain in every direction, fat cows and sleek horses.

The clouds have been incredible—the sunrises orange and red, the sunsets reflecting deep pink across the heavens. Driving through the Flint Hills a few days ago, the green was so brilliant it hurt the eyes. Now we are in the midst of harvest and the green has in much of Kansas has turned to deep gold, real gold, the gold of life and sustenance. All around Kansas, there is beauty and abundance.

We headed north. There is something of mystery in the north. The air is cooler, the pines edge the ridges and it

feels like the top of the world.

We left the boundaries of Kansas but found bits of Kansas everywhere we went. Tributaries of our rivers wind and widen toward the state line. Trucks with Kansas plates haul cattle. Historic sites boast of the exploits of Kansas soldiers.

We headed west, and we headed north. But no matter how far, we never left the reach of Kansas, and that influence is good.

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Disease that threatens Kansas wheat crop subject of genetic study by postdoctoral researcher

With the help of a federal fellowship, a Kansas State University plant pathology postdoctoral research associate will study a serious disease that has caused substantial losses to wheat and other grain crops in Kansas and around the world.

Alma G. Laney has been awarded a two-year \$150,000 postdoctoral fellowship to lead a study on the genetics of barley yellow dwarf viruses, which cause barley yellow dwarf. This disease of wheat and other grains worldwide is carried from plant to plant by sap-sucking aphids. In years with severe outbreaks, the losses to Kansas wheat growers have been significant. In 2012, the disease caused a 2.3 percent yield loss in the state that was estimated to be worth \$78 million.

The fellowship was awarded through the U.S. Department of Agriculture-National Institute of Food and Agriculture's Food, Agriculture, Natural Resources and Human Sciences Education and Litera-

cy Initiative, or ELI.

Laney's project is an extension of work on barley yellow dwarf in Kansas winter wheat that has been ongoing in the Kansas State University Plant Virus-Vector Interactions Lab and Center of Excellence for Vector-Borne Plant Disease Control. The project is led by Dorith Rotenberg, research associate professor of plant pathology at Kansas State University.

Rotenberg said Laney brings curiosity, enthusiasm and rigor to virological research.

"Laney strategically developed a project of agricultural significance to tackle the problem of emergent plant viruses in Kansas wheat — an important and challenging project with big payoffs to stakeholders," Rotenberg said.

The 20-year average loss caused by barley yellow dwarf in Kansas is about 1 percent, a portion that adds up to significant losses over time. Rotenberg's lab discovered that barley yellow

dwarf virus isolates in Kansas possess unique genetic characteristics that may explain their prevalence. Laney's project is developing tools to study the biological consequences of the genetic features of these viruses and determining if these features affect the spread of viruses via aphids. The results of the project will enhance understanding of how to control the spread of plant viruses in Kansas.

The ELI fellowship program is intended to help

train the next generation of agricultural scientists, extension professionals and educators. This competitive fellowship supports innovative research as well as outlining a professional mentoring plan and a strategy for sharing new findings with both the scientific community and the general public.

"Laney's fellowship has launched a promising career for him in infectious disease research aimed at securing the U.S. food supply," Rotenberg said.

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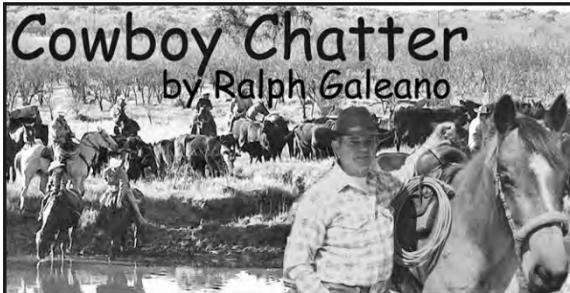
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Cowboy Chatter by Ralph Galeano

Time Off

Sometimes you have to give the horses you use the most some time off. I don't mean a few days, I mean months or even a year. In rare cases, it could be several years. You'll be surprised what a little vacation can do for a horse's attitude.

If you're lucky enough to take some time off and go somewhere on vacation away from the ranch, when you come back you're raring to go and ready to get back to work.

Those jobs that seemed like a boring grind before your vacation now seem like an interesting challenge. You look forward to getting back into the routine.

What works for us also works for horses. I've heard

many good hands talk about the improvement in their horses after they gave them some R & R. Like us, they're creatures of habit. After time loafing in the pasture, they are ready to get back in their old routine.

They'll be eager to have you slap your saddle on their back and head out. You'll see enthusiasm in their step that wasn't there when you turned them loose. Time off gives them a chance to shed some of the tensions, frustrations and sore muscles everyday work inflicts on their body.

I have a top cow horse that was my best using horse. She was good enough to compete in the cow horse shows. We won quite a few

championships and a ton of second and third places against some of the top cow horses in the country. After several years of showing in competition, she began acting up. When we entered the arena, she would become agitated, wouldn't stand still and often times refused to change leads when I asked her. She even kicked out once or twice when I touched her with a spur. She was telling me she was tired of running around an arena stopping, spinning and turning cows for the benefit of spectators and judges. It was always the same routine. She got so bad that we started losing. The high cost of entry fees made me do some thinking. She was tired of it and needed a break.

I couldn't afford to lose entry fees. It was clear that she had enough. She got her point across and I turned her out and started using the younger horses I'd been working with. The young horses came along pretty

well. Before long, I was back in business showing other cow horses.

Two years went by and I was so busy with the new horses, I didn't give a thought to the mare. One day as I watched her graze, I realized I was wasting the prime years of her life. She was such a good horse, I didn't want to get rid of her and thought I'd like to have more horses just like her. I decided to breed her to a good Texas cutting horse. Eleven months later, she delivered a blocky bay colt. He had cow horse written all over him. I was really pleased with the outcome of the breeding and decided to breed her back to the same stallion.

Same thing happened the next year. This time she foaled a bay filly that looked like she was born to work cattle. When I weaned the filly, I turned the mare loose to regain some of the weight she lost while nursing her baby. She picked right up and a few months later, I de-

cidated to give her some exercise.

She hadn't been ridden in four years so I took things easy and saddled her carefully. I led her into the round pen and let her get reacquainted with the saddle on her back. The mare loped off and never bucked or kicked out. I stepped in the saddle and rode her around the pen for a while with no problems. I laid the reins on her neck and touched my foot to her girth. I was amazed. That mare spun a circle as pretty as you could want. I thought it was a better spin than she had performed during her competition days.

Tickled with her enthusiasm, I rode her out to the arena and went through all of the reining maneuvers. I worked her on the flag we use to train young horses to track and turn when cutting cattle and she brought a smile to my face. She stopped and turned so quick and perfect that I thought it was better than before.

Impressed with her new outlook, I rode to a pasture for an excuse to let her work cows again. I cut out a handful of cows and moved them down the pasture. I rode ahead, opened the gate horseback and then rode back and moved the cows through the gate. I could feel her excitement as she went about her job as a cow horse. The mare performed flawlessly and handled better than the last time I rode her four years ago. Her time off had made a better horse out of her.

If you've been using the same horse year in and year out, consider giving him some time off and ride another horse for a few months. Chances are he'll surprise you when you ride him again. The time off will refresh him and he'll come back with a better attitude and raring to go to work again.

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

Wheat Sequencing Consortium releases key resource to the scientific community

Following the January 2016 announcement of the production of a whole genome assembly for bread wheat, the International Wheat Genome Sequencing Consortium (IWGSC), having completed quality control, is now making this breakthrough resource available for researchers via the IWGSC wheat sequence repository at URGI-INRA-Versailles, France.

Wheat breeders and scientists around the world will be able to download and use this invaluable new resource to accelerate crop improvement programs and wheat genomics research. The dataset will facilitate the identification of genes associated with important agricultural traits such as yield increase, stress response, and disease resistance and, ultimately, will make possible the production of improved wheat varieties for farmers.

Since the January announcement, the IWGSC

project team has been fine-tuning the data so that the genome assembly released to the scientific community is of the highest quality possible. The resource released today – based on Illumina sequencing data assembled with NRGene's DeNovoMAGIC™ software – accurately represents more than 90 percent of the highly complex bread wheat genome, contains over 97 percent of known genes, and assigns the data to the 21 wheat chromosomes.

This data release represents the IWGSC continued effort to produce a "gold standard reference sequence" – the complete map of the entire genome that precisely positions all genes and other genomic structures along the 21 wheat chromosomes. The wheat genome is large – five times that of the human genome – and complex, with three sets of seven chromosomes.

"The IWGSC policy has always been to make all

data publicly available as soon as they have passed the quality checks," explained IWGSC executive director Kellye Eversole. "By doing so, the scientific community can start exploiting the data now while the Consortium progresses towards a gold standard reference sequence, anticipated to be released in 2017."

As is customary in the scientific community, the dataset is being made available for breeding and research under the "Toronto statement," which outlines rules for prepublication data sharing, under which the IWGSC reserves the right to publish the first analyses of the data, which includes descriptions of whole chromosome or genome-level analyses of genes, gene families, repetitive elements, and comparisons with other organisms. Detailed information on how to access the data is available on the IWGSC website.

Over the coming months, the IWGSC project team will continue its work towards completing a high quality, ordered sequence of the wheat genome that includes annotating and identifying the precise locations of

genes, regulatory elements, and markers along the chromosomes, thereby providing invaluable tools for wheat breeders. The final result will integrate all genomic resources produced under the umbrella of the IWGSC over the last decade, including individual physical and genetic maps.

Wheat is the staple food for more than a third of the global human population and accounts for 20% of all calories consumed in the world. As the global population grows, so too does its dependence on wheat. To meet future demands of a projected world population of 9.6 billion by 2050, wheat productivity needs to increase by 1.6% each year. In order to preserve biodiversity, water, and nutrient resources, the majority of this increase has to be achieved via crop and trait improvement on land currently cultivated rather than committing new land to cultivation. As for other major crops, a well annotated reference genome sequence will be an invaluable resource towards this goal by providing the detailed maps of genes and gene-networks that can be improved through breeding.

COMMERCIAL BUILDING & PERSONAL PROPERTY (Formerly Bergstrom's Heartland Plants)

AUCTION

SATURDAY, JULY 9, 2016

REAL ESTATE TO SELL AT 10:00 A.M.,
PERSONAL PROPERTY TO FOLLOW.
307 NE 14th — ABILENE, KANSAS

OPEN HOUSE — JUNE 26, 2016 — 10:30 A.M. TO 12:00 P.M.

A Stuppy Classic 2000 combination building/greenhouse built in 1996. The front half is a 22' x 72' (approx. 1584 sq ft) structure used mainly as the storefront/retail shop area. This south-facing structure has a metal roof, an awning spanning the entire length of the building, a large parking area, and has two good-sized picture windows and a set of glass doors.

The retail area is equipped with CH/CA, ceiling fans, and recessed and fluorescent lighting throughout. Adjoining this room is an open break area with overhead cabinets, double sink, and countertop with cupboards below. There is a private office and bathroom. The back half of the Stuppy Classic 2000 combo is a 30' x 72' (approx. 2232 sq ft) greenhouse seamlessly connected to the front by an 8" gutter. This structure has a fiberglass roof, fully insulated walls, and automatic Wadsworth system for a hands-free, climate-controlled environment. The automatic vent operation has three-stage cooling and two-stage heating. There are Ro-Flo fixed benches installed, and there are concrete walkways between the wire-mesh tables.

20' x 40' freestanding Stuppy greenhouse.

Personal Property Items: Checkout counter, Shelving & Display Units, Misc.

Terms & Possession: 10% down day of the sale, balance due at closing on or before August 19, 2016. Seller to pay 2015 taxes. 2016 tax-ess will be prorated to day of closing. Title insurance, escrow and closing costs to be split equally between buyer and seller. Possession on closing. This property to be sold as-is. All inspections should be made prior to the day of the sale. This is a cash sale and will not be subject to financing, have your financing arrangements made prior to sale day. Midwest Land and Home is acting as a Seller's Agent and represents the seller's interest. All information has come from reliable sources; however, potential bidders are encouraged to verify all information independently. Escrow and closing agent TBD. Statements made sale day take precedence over printed material.

COMMERCIAL BUILDING & PERSONAL PROPERTY (Formerly Bergstrom Greenhouse & Nursery)

SATURDAY, JULY 16, 2016

REAL ESTATE TO SELL AT 10:00 A.M.,
PERSONAL PROPERTY TO FOLLOW.

503 W Court St — CLAY CENTER, KANSAS

OPEN HOUSE - JUNE 26, 2016 - 12:30 P.M. TO 2:00 P.M.

Real Estate: Office/Showroom 1250 Sq Ft., Built in 1987, CH/CA; **Cambell Obrien Greenhouse** 72x30, Square tube steel frame, Wadsworth Controller Automated System, Three-Stage cooling, two-stage heating unit, 36" Kool Cell Cool pad fans, Auto drip irrigation; **Stuppy Greenhouse** 112x30, Polycarbonate endwalls, 48" fans, Auto drip irrigation; **Stuppy Classic 2000** 100x40, Modine 200,000 BTU Natural Gas Heaters, Ro-Flo fixed/stationary benches, Auto drip irrigation; **Double car garage with shop area; Two - Stuppy Greenhouses** Each is 96x30, 3.5" sidewalls, Modine 200,000 BTU Natural gas heaters, Cool pads, Wadsworth vent openings, Horizontal Airflow Fans, Polycarbonate end walls, 48" fans; **Ground-to-ground Greenhouse** 100x40, No sidewalls, Modine 200,000 BTU Natural gas heater; **"Gutter" house dual greenhouse** Approximately 90x52, Connected by an 8" gutter, Polycarbonate endwalls, Self-contained cool pad gutter, Two inch water main, Setup for a fertilizer injector. Antiques Table, Wardrobe, 2-Wooden Dressers, Other Misc Items.

Personal Property Items: '82 Chevy Utilmaster box van w/ built-in shelving, **Schaben 50 Gal Industrial Sprayer (GX160 Honda 5.5 gas powered, 82" Boom)**, Samsung Cash Register, Wood Storage Cabinet, Indoor/Outdoor Lighted Bunny, 2-bird cages, Lots of Baskets, Pedestal Bird Bath, Wall Hangings and Home Décor, Corner Shelf, 5-shelf display rack, Sm. Metal Rolling Table W/Fold Down Leaves, 2-Greeting Card Racks, Round Top Pedestal Dining Table / 4 Chairs, Wall Cabinet, Wood Desk, **Nations 6'x15' Enclosed Trlr**, Computer Desk, Metal 18-Drawer Cabinet, Upright Metal Storage Cabinet, Honda 5.0 Gas-Powered Pressure Washer (2450 PSI 2.5 gpm), Weedeater, Misc Long-Handled Tools, Toro 7.0 22" **Self-Propelled Mower**, Decorative Flags, 2 4-Drawer Filing Cabinets, Office Chair, Several Metal Shelving Units, HP Photosmart C4280 All-in-One Printer/Copier/Fax/Scanner, Compaq Presario PC w/19" Monitor, Paper Shredder, Canon MP21D Adding Machine, Canon Super G3 Fax Machine, Brother LC 61 Series Copy/Fax/Scanner, Ro-Flo rolling benches, Other Items too Numerous to Mention.

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1403 West 133 Rd. — Carbondale, KS

North on Kansas Street ½ mile & West 1 mile on 133rd to Auction! Watch For Signs! *Geraldine has moved to assisted living and will sell the following to the highest bidder!*

Oak Curved Glass China Cabinet; Oak Secretariat cabinet; Oak Dresser w/Hat Box; Oak Dresser w/mirror; Oak rocker; Duncan Phyfe dining table w/chairs; Kitchen primitive cabinet w/glass doors; Kitchen primitive table w/cutting board; 3'x12" Single Sided RARE ALLIS CHALMERS TRACTORS-MACHINERY metal sign w/wood frame; Very Rare Vintage Neon ALLIS-CHALMERS Tractors Machinery 8-sided clock; 1953 double sided oval 3'x5'; **THE GENERAL FARM TIRE** metal sign (Never Hung); 4-Golden Harvest metal signs; Mack Arcade truck; Structo dump truck; Edsel Police Chief car; Little Orphan Annie stove; metal Military men; metal doll house; numerous other toys; Horse figurine collection; carbine lantern; vintage photo album; **Very Large Doll Collection:** Paradise Galleries, Kewpie, Precious Moments, Madam Alexander Wizard Oz, Kewpie Tinman, Southwest, Raggedy Anne & Andy, Barbie's, Many Others & Many Have Boxes Never Opened w/Authenticity; Lionel 246 train set w/transformer & metal truck; "Jet Jacknife"; vintage vehicle bug screen; Ingram mantle clock; oil lamps; sewing items; buttons; quilts; fabric; aprons; linens; Santa Claus suits; **Firearms:** Ranger Model 103-13 .22; JC Higgins Model 583.20 12 ga.; cast iron Griswold & Wagner items; wooden yardsticks; advertising local items; cast iron bank; Wurlitzer piano; sheet music; enamel ware; **Pyrex:** colored mixing bowl set/square refridge set/ yellow bowl set; aluminum ware; Germany & Bavaria Haviland place setting sets; Ruby Red glass; s/p; cookbooks; vintage books; cookie cutters; primitive kitchen décor; flat ware sets (Wallace Stainless, Rogers, Stafford); 2 year old Frigidaire refrigerator; Hotpoint electric stove; Broyhill full bedroom suite; Lane cedar chest; flat screen TV; overstuffed size Lift chair; small appliances; holiday décor; Illuminated Nativity Life Size set; riding lawn-mowers; walk-behind tiller/ cultivator; old iron-wheeled manure spreader; garden/hand tools; **numerous items too many to mention!!**

Auction Note: Very Large Auction, Many Unlisted Items & Plenty of Shade!! ATF Rules Apply on Firearms KS Residents Only!! Concessions.

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LAND AUCTION

WEDNESDAY, JULY 13 — 6:00 PM

AUCTION LOCATION: J.O. Sundstrom Conference Center,
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PREMER GRANDCHILDREN'S TRUST, SELLER

320 ACRES MCPHERSON CO. KS LAND * 2 LAKES * PASTURE * TIMBER * SPRINGS * ROLLING HILLS * 100s of WALNUT TREES * ABUNDANT WILDLIFE * LIVE WATER

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LAND LOCATION: From HWY I-35 near Lindsay, East on Smokey Valley Rd 8 1/2 miles to 25th Ave., North 2 miles to Wells Fargo Rd, West 1 mile to the property.

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or Terry Rupp, ALC at 316-262-6400.
J.P. Weigand & Sons, Inc.



GRASS & GRAIN Auction Sales Scheduled

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

June 21 — Absolute commercial property real estate auction at Paxico for Babe Trust. Auctioneers: Crossroads Real Estate & Auction, LLC.

June 25 — Furniture, coins & currency, glassware, collectibles, electronics, cameras & misc. at Junction City for Close & others. Auctioneers: Brown Real Estate & Auction Service, LLC.

June 25 — Santa Fe items, Lionel & Marx trains, old toys, antiques & collectibles, furniture, household, pellet guns, tools, ham radio items & more at Emporia for Cline Family. Auctioneers: Wayne Hunter.

June 25 — Box Full sale near Delavan: glassware, tapes, VCR, videos, records, books, furniture, toys & much. Bob Kickhafer.

June 25 — Furniture, household, guns, lawn & garden, antiques & collectibles, military items, coins at Lyons for Pat Fink Living Estate. Auctioneers: Stroh's Real Estate & Auction LLC.

June 25 — Antiques, collectibles, artwork, automobiles & more at Lindsborg for Roger & Ruth Thorstenberg Estates. Auctioneers: Richard Patrick Auction Service.

June 25 — Vehicle, appliances, furniture, electron-

ics, household, antiques, collectibles, tools, yard & miscellaneous at Abilene. Auctioneers: Chamberlin Auction Service.

June 25 — Tools, grocery store items, appliances, furniture at Osage City for Eldora Thompson Trust. Auctioneers: Wischropp Auctions.

June 25 — Furniture, guns, antiques, primitives, collectibles & misc. at Russell for Sandra Rogg Estate. Auctioneers: Wolters Auction & Realty.

June 25 — Personal property at Marysville for Peeks Family. Auctioneers: Olmsted & Sandstrom.

June 25 — Tractors, trailers, equipment, tools, shop tools, furniture, misc. at Topeka for Stan & Dixie Little. Auctioneers: Gannon Real Estate & Auctions.

June 25 — Household, antiques, collectibles, trailer, lawn mowers & tools at Concordia for Harvey M. Olson Trust & Rosalee Olson Revocable Trust. Auctioneers: Novak Bros. & Gieber.

June 25 — Harley Davidson trike, Dodge pickup, antiques & collectibles, good household furniture & more at Abilene for Cindy McDowell. Auctioneers: Reynolds Auction Service.

June 25 — Shop equipment, collectibles, household at Newton for Ron & Mar-

nette Hatchett. Auctioneers: Van Schmidt.

June 26 — Furniture, household, mowers, air compressor, lawn items at Waverly for Mary Plum. Auctioneers: Gannon Real Estate & Auctions.

June 26 — Pickups, tractors, lawn mower & machinery, guns, furniture, collectibles & misc. at Alta Vista for Helen Gensing. Auctioneers: Hallgren Real Estate & Auctions, LLC.

June 26 — Glassware, furniture, car, pickup, appliances, collectibles at Osage City for Eldora Thompson Trust. Auctioneers: Wischropp Auctions.

June 26 — Antique furniture, doll collection, firearms, vintage Allis Chalmers metal sign, neon clock & more, antiques & collectibles at Carbondale for Geraldine Ulrich living estate. Auctioneers: Elston Auctions.

June 27 — 155.57 +/- acres of Cloud County farmland held at Glasco for the James & Patricia Lamay Family Trust. Auctioneers: United Country Real Estate, Crossroads Auction & Realty.

June 29 — Machinery of all kinds unreserved online (www.bigiron.com). Auctioneers: Big Iron Online Auctions.

July 1 — Approximately 245

acres McPherson County land held at Lindsborg for Levin Properties, LC. Auctioneers: Gannon Real Estate & Auctions.

July 9 — Farm toys, dolls & collectibles at Salina for Dwight & Bonnie Donley. Auctioneers: Thummel Real Estate & Auction, LLC.

July 9 — 2008 Corvette, pickup, machine shop equipment at Salina for Dennis King Estate. Auctioneers: Wilson Realty & Auction Service.

July 9 — Farm machinery, grain bins, livestock equip., lawn mower, automobiles, boat, tools, yard supplies, household, gun, bicycles, collectibles & misc. at Bremen for James & Phyllis Hoestje. Auctioneers: Donald Prell Realty & Auction.

July 9 — 395.1 m/l acres Chautauqua County hunting & recreational land held at Cedar Vale. Auctioneers: JP Weigand & Sons, Inc.

July 9 — Commercial building & personal property at Abilene for formerly Bergstrom's Heartland Plants. Auctioneers: Midwest Land & Home.

July 9 — 56 +/- acres tillable & high quality hunting ground held at Carbondale. Auctioneers: Crossroads Real Estate & Auction, LLC.

July 10 — Fishing & hunting items, advertising, furniture, quilts & collectibles at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

July 11 — Stationary engines & tools, household & collectibles at Salina for

Phyllis & Dale Hoover. Auctioneers: Thummel Real Estate & Auction, LLC.

July 13 — 320 acres McPherson County land, 2 lakes, pasture, timber, springs, rolling hills, walnut trees, wildlife, live water held at Lindsborg for Premier Grandchildren's Trust. Auctioneers: Sundgren Realty Inc., land brokers.

July 14 — 628.7 acres - 3 tracts, 318 ac. Rice County cropland & grass; 1 tract, 310.7 ac. Ellsworth County grassland held at Lyons for property of the family of the late Harold Nichols & Mildred Shumway. Auctioneers: Griffin Real Estate & Auction Service, LC.

July 16 — Commercial building & personal property at Clay Center for formerly Bergstrom Greenhouse & Nursery. Auctioneers: Midwest Land & Home.

July 23 — Quilts, linens, furniture, glass & collectibles

at Munjor, KS for Martina Younger. Auctioneers: Thummel Real Estate & Auction, LLC.

July 23 — 80 acres, farm equipment, guns, antiques & personal property at Abilene. Auctioneers: Wilson Realty & Auction Service.

July 30 — Farmland West of Marysville for Mike & Susie Wilson. Auctioneers: Raymond Bott Realty & Auction.



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GRASS & GRAIN

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Farm Service Agency county committee nomination period runs now until August 1

The U.S. Department of Agriculture (USDA) announced that the nomination period for farmers and ranchers to serve on local Farm Service Agency (FSA) county committees began Wednesday, June 15, 2016.

"Through the county committees, farmers and ranchers have a voice. Their opinions and ideas get to be heard on federal farm programs," said FSA administrator Val Dolcini. "I encourage all eligible farmers and ranchers across the spectrum of American agriculture, to get involved in this year's elections. We have seen an increase in the number of qualified nominees, especially among women and minorities, and I hope that trend continues."

To be eligible to serve on a FSA county committee, a person must participate or cooperate in an FSA administered program, be eligible to vote in a county committee election and reside in the local administrative area where they are nominated.

Farmers and ranchers may nominate themselves or others. Organizations representing minorities and women also may nominate candidates. To become a candidate, an eligible individual must sign an FSA-669A nomination form. The form and other information about FSA county committee elections are available at www.fsa.usda.gov/elections. 2016 nomination forms must be postmarked or received in the local USDA Service Center by close of business on Aug. 1, 2016.

FSA will mail election ballots to eligible voters be-

ginning Nov. 7, 2016. Ballots must be returned to the local county office via mail or in person by Dec. 5, 2016. Newly elected committee members and alternates will take office on Jan. 1, 2017.

Nationwide, there are approximately 7,800 farmers and ranchers serving on FSA county committees. These individuals make decisions on disaster and conservation programs, emergency programs, commodity price support loan programs, and other agricultural issues. Committees con-

Continued on page 12

AUCTION

SATURDAY, JUNE 25 — 9:00 AM
CELEBRATION CENTRE: 1145 E 56th — LYONS, KS

FURNITURE/HOUSEHOLD: Elec Range, SidexSide Frig, wood office desk, Misc furniture & items. **GUNS:** Stevens 410, Savage 222, Mossberg 152 K, 1903 US Springfield 30-06 w/Weaver scope. **LAWN/GARDEN:** W.I. patio set, Ladders, Misc garden tools, Lawn carts. **ANTIQUES/COLLECTIBLE:** HO elec train cars, Lg collection porcelain dolls, Parker ink bottle, Collectible Ford signs, Split bamboo fishing rod. **MILITARY ITEMS:** Desert Storm Pro set cards, WW II items-Map Pack, Ration Book 2, Books, Helmets and much more. **COINS:** Morgan silver dollars, Eisenhower Dollars, Mercury & Roosevelt dimes, Buffalo, Jefferson & US V Nickels, Nazi money, WW II Allied currency. Call for listed list

OWNER: PAT FINK LIVING ESTATE

Lots, lots more so check out full sale bill, pics & info at:
www.strohsrealestateandauktion.com
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Statements made sale day take precedence over printed material.



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117 WEST MAIN, LYONS, KS 67554 620-680-6149 strohsrealestateandauktion.com

BOX FULL SALE

SATURDAY, JUNE 25 • 8 AM-12 NOON
Located 1/2 mile East of DELAVAN, KS & 56 Hwy. turn on 2500 Rd. and go North 1/2 mile.

Lots of glassware, dinner sets, Pyrex, coffee pots, Christmas items; craft work; pictures & knick knacks; 1200+ tapes, VCR, videos & records; 750+ books, hard & soft cover of mystery, education, Western, religious and kids; lots of toys; tables, chairs, office chairs, 2 bar stools; infant items; sofa; antique dresser; antique pump organ; marble sink and 4-burner cabinet top gas stove. LOTS MORE!

Come Early and make up your own BOX FULL!
BOB KICKHAEFER, 785-258-4188
Drinks & Snacks!

2-DAY AUCTION

SATURDAY, JUNE 25 — 10:00 AM
— TWO LOCATIONS —
10 am: DAY 1, 705 Holiday St. • 12:30 pm: DAY 2, 200 N. 13th St. OSAGE CITY, KANSAS

50+ grocery carts; 3 commercial 3 bay SS sinks; Hobart 1644 18 lb. counter sale; 2 Toy N Joy vending machines; Hobart meat slicer; dismantled walk-in cooler; key machine; 2 car wash vacs; gas station signs; Dayton rear tine tiller; 2 JD riding mowers; 2 AC units, appear to be NIB; 3 grocery store freezers; washers, dryers, cook stoves, refrigerators, desks, benches, hardware, electrical, salvage, household, furniture, etc.

MUCH, MUCH MORE! Inspection Sale Day.

SUNDAY, JUNE 26 — 10:00 AM
Wischropp Auction Facility, 930 Laing St., OSAGE CITY, KS

'02 Pontiac Grand Prix SE car; '00 Chevy 1500 LS, 2WD pickup; lots of clear glass; matching brass base lily lamps; several modern oak pieces; LARGE AMOUNT of figurines; appliances, furniture, etc.; 60+ pictures & frames; 25+ pocket knives; 30+ various style lamps; 12+ divans or LR chairs; 60+ clay pottery pieces; 20+ embroidery pillowcases; quilts, afghans, sewing, linens, records, holiday, vintage, jewelry, MUCH MORE! LARGE AUCTION!

Saturday's auction from Thompson Enterprises. Sunday's from Personal Residence.

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- Great Bend Coop, Mark 620-786-5870 & 620-793-5031, Great Bend, KS 67530
- Jimmy E. Hultgren 316-347-9085 & 620-241-3262, McPherson, KS 67460
- Gary Loker 785-626-5154, McDonald, KS 67745
- GOI Inc., Jason Griffith 785-650-7119, Iuka, KS 67066

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- 2012 John Deere 568 Round Baler
- 2012 Case International 4430 Patriot Sprayer
- 1995 Mazda MX-5MIA Convertible
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- Follow the email link and You are Ready to BID & BUY!



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2016 wheat crop forecast up 22% from last year

Based on June 1 conditions, Kansas's 2016 winter wheat crop is forecast at 394 million bushels, up 22 percent from last year's crop, according to the USDA's National Agricultural Statistics Service. Average yield is forecast at 48 bushels per acre, up 11 bushels from last year.

Acreage to be harvested for grain is estimated at 8.20 million acres, down 500,000 acres from last year.

This would be 96 percent of the planted acres, above last year's 95 percent harvested.

AUCTION

SUNDAY, JUNE 26 — 12:00 NOON

2625 HWY 77 — WATERVILLE, KS

(APPROXIMATELY 4 MILES SOUTH OF WATERVILLE ON HWY 77)

Beautiful dining table, 8 chairs & 2 leaves (very nice); modern wood framed couch and loveseat; 2 wood framed living rooms charis; Cannonball posterbed, armoire and dresser with mirror; very nice Oak buffet; glass top coffee table; oak framed chair and ottoman; white wicker couch and 2 chairs; Oak treadle sewing machine; rocker; round stand table; 24' LG flatscreen TV; Maple chest with mirror; 2-door armoire type cabinet; 5-drawer maple chest; round dinette table and 4 roll around chairs; parlor table; carved stand; chair & ottoman; 4-drawer oak stand; white wicker chair; stand with drawer; end table; 4-drawer file cabinet; magazine rack; bowl &

pitcher stand with mirror, bowl, pitcher and chamber pot; 2 trunks; metal stand; 2 bar chairs; wooden table; stand and step tables; footlocker; Kirby vacuum and attachments; Oreck XL vacuum; floor lamp; kerosene lamp; ice tongs; lamps; fruit picture; stereo system; blue satin basket and candle holders; 38 pcs of ruby red glassware; lots of bedding, quilts, pillows, afghans and towels; pictures; Necchi sewing machine and attachments; Holiday decorations; sewing supplies and materials; Santa cookie jar; many records; Corningware; glasses; set of 8" Floral Expression stoneware; punch bowl set; small mixer; Pyrex bowls; plas-

ticware; mugs; Wok; George Foreman grill; clocks; pitchers; baking dishes; small appliances; bowls; cups and saucers; ice bucket; lace, linen, table clothes; pink and green Depression glass; artificial floral arrangements; many books; electric heater; fans; coolers; household items and miscellaneous. Walker 42" zero turn MSSD 11HP gear driven mower with 886 hrs; Dixon ZTR 45 15 zero turn mower; Powermate 1.5HP 22 gal. upright portable air compressor; Magnum gas BBQ grill; lawn chairs; patio table; show vacuum; wood straight ladder; battery charger; gas cans; garden tools; miscellaneous.

MARY PLUM

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A Favor

Have you ever had a simple gesture of kindness end up unappreciated?

James and Kevin had just chased a steer to the end of the arena in a fruitless attempt to head and heel the crafty critter. James had lost his hat during the run so Kevin stopped to pick it up for his heeler. He hung his loop and coils over the horn and swang off. Well, not quite off. As his right boot cleared the cantle, it hooked the loop.

As in a lot of near-death experiences, Kevin remembered very distinctly seeing

the rope around his ankle as he neared the ground. He kicked, meaning to shed the snare, but instead, he stuck his toe into Buck's flank!

In that split second he thought to himself, 'It's a good thing I'm on ol' Buck. A less seasoned horse would spook.' Buck, of course, was thinkin', 'Whoa! What was that!' He spooked and was goin' flat out in three jumps!

Down the arena they went! Kevin did a couple of half-gainers and managed to put a nice figger eight between his boot and the saddle horn!

He sat like a man on a

sled tryin' to pry the loop off his foot as he bounced along on his pockets, feet in the air, hands on the rope, leaving a trail through the arena dirt like someone draggin' a sack of watermelons down a sand dune!

Ten feet behind the flashing hooves, Kevin peered through the flying dirt. They were fast approaching the awestruck ropers at the chute end of the arena!

In desperation Kevin laid flat on his back and kicked the captured boot. The loop came loose, his heels bit into the dirt in full flight! They stuck and he stood straight up like Wile E. Coyote runnin' into a canyon wall! With a dramatic flair he tipped his hat.

James rode by the rigid, unrecognizable figure covered with dirt from hair to his spurs. "Nice ride," he commented, "Least you could have done was pick up my hat."

Farm Service Agency county committee nomination period runs now until August 1

Continued from page 11

sist of three to 11 members that are elected by eligible producers, and members serve three-year terms.

To learn more about county committees, contact your local FSA county office

or visit <http://offices.usda.gov> to find a county office near you.

Since 2009, USDA has worked to strengthen and support American agriculture, an industry that supports one in 11 American

jobs, provides American consumers with more than 80 percent of the food we consume, ensures that Americans spend less of their paychecks at the grocery store than most people in other countries, and supports markets for home-grown renewable energy and materials. USDA has also provided \$5.6 billion in disaster relief to farmers and ranchers; expanded risk management tools with products like Whole Farm Revenue Protection; and helped farm businesses grow with \$36 billion in farm credit. The Department has engaged its resources to support a strong next generation of farmers and ranchers by improving access to land and capital; building new markets and market opportunities; and extending new conservation opportunities. USDA has developed new markets for rural-made products, including more than 2,500 biobased products through USDA's BioPreferred program; and invested \$64 billion in infrastructure and community facilities to help improve the quality of life in rural America. For more information, visit www.usda.gov/results.



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Schwieterman Market Outlook

A marketing commentary by Bret Crotts

We are definitely in a weather market and the grains are very sensitive to fluctuations in the forecasts. Unfortunately, those fluctuations seem to come about on a daily basis, which is keeping traders on their toes. Crop condition ratings will probably be near steady in the next report, which is not bullish, but there is fear from time to time that we will have a warm and dry end to June in the Corn Belt, which will cause those condition ratings, and yield potential, to decline.

In the meantime, demand for corn and soybeans is still great. New crop end-

ing stocks estimates will be declining in future supply and demand reports, because old crop demand is so strong. We already above the new sales estimate for the year in the soybeans and we will be over the yearly estimate for the corn before June is over. Wheat demand shows signs of improvement, but we are a very long way from having any impact on supplies.

On the charts, it was a sideways week in the corn market. We did make new highs for the move in the December contract and did finish higher for the week, but there wasn't much consistency and it seemed that

the entire week was spent trading in between \$4.40 and \$4.45. The next upside objective for the December contract is the \$4.85-\$4.90 area. It will take weather fears to make that happen, but that is something to be prepared for in the coming days. Sunday night could be explosive.

On the July KW wheat chart we have a double bottom at \$4.50 ¼, so after the big break the wheat may be ready for a corrective bounce. Strength in the wheat is dependent on strength in the corn and soybeans because supplies of wheat are so large and will likely get larger. It

seems like any time there is a rally attempt in the wheat the basis gets weaker, but I guess it also seems like the basis gets weaker on down days too. The point is that unless there is strength in the cash market there really isn't any reason for strength in the wheat futures and we should probably see the futures weaken in order to get the basis back to normal at some point. The outlook is very bleak if we don't get a weather rally in the corn. Sell strength if we get it.

The soybeans are the most volatile of the bunch since the perception at the moment is that the beans have the greatest potential for extremely tight stocks. We still have to keep in mind that we will probably see an increase in the acreage estimate at the end of the month, which will take some of the bullishness away from the market, especially if we don't have a yield problem.

So, to beat the dead horse one more time, watch the weather very closely. The weather will be the most important news item we have until we get to the Planted Acreage report on June 30th.

The cattle had another poor week. The live cattle basis remains historically strong, but the cash market is declining along with the futures. Most live cattle contracts made new lows for the move and are either testing contract lows or trend line support. Every feeder cattle contract made a new contract low and there is little indication of a turn around. The best hope for feeder cattle bulls is for the market to find support at the bottom of the trading channel and have short covering bounce from there. For the time being rallies in the feeders are a selling opportunity.

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 Crotts at 888-437-9131 or bret@swbell.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.

Shaw Cattle Co. named BIF Seedstock Producer of Year

The Beef Improvement Federation (BIF) presented Shaw Cattle Co., Caldwell, Idaho, the BIF Seedstock Producer of the Year Award June 16 during the group's annual meeting and symposium in Manhattan. This national award is presented annually to a producer to recognize his or her dedication to improving the beef

industry at the seedstock level.

Shaw Cattle Co. is a generational beef operation that manages Hereford, Angus and Red Angus herds in a diversified system of irrigated rotational grazing, maximizing forage resources and beef cattle genetics. Today, Shaw Cattle Co. maintains more than

1,500 registered cows encompassing the three breeds. The Shaw family works together to improve the cow herd through the diligent selection of breed-leading genetics with a keen eye toward performance, science and technology.

The origin of Shaw Cattle Co. began with a Hereford heifer. Tom Shaw

worked weekends and summers throughout high school for a neighbor. After high school and upon his return from the U.S. Navy, the heifer was given to Tom as payment for his summers and as a thank you for serving his country. The registered Hereford heifer became the foundation of Shaw Hereford Ranch in 1946. By 1959, Tom had married Mary, started a family and purchased a home near Notus, Idaho. The family moved from the original Shaw homestead to the current headquarters and continued to build a cow herd and raise a family.

Tom and Mary's youngest son, Greg, officially joined the operation after graduation in 1968 and married Cleo two years later. In 1988, the Shaw cow herd was divided into three herds. Greg and Cleo remained on the

original home place at Caldwell to raise their three children - Tucker, Sam and Jaime - and subsequently formed Shaw Cattle Co.

Today, the third and fourth generations are continuing the tradition of raising reputable performance cattle. In 1990, Shaw Cattle Co. diversified the Hereford cow herd and added Red Angus genetics. In 1996, black Angus cattle were added to the herd.

Greg and Cleo's son, Sam, returned to the ranch in 1999, after graduating from the University of Idaho. Sam and his wife, Janel, are raising their three daughters on the ranch. After graduating from the University of Idaho and working in the private sector, Tucker returned with his wife, Angie, in 2003. They are raising their five children on the ranch. Greg and Cleo's daughter, Jaime,

her husband, Kelley, and two daughters live in Eugene, Oregon, and enjoy helping out on the ranch when they can.

The American Hereford Association nominated Shaw Cattle Co. for this award.

More than 600 beef producers, academia and industry representatives were in attendance at the organization's 48th annual convention. BIF's mission is to help improve the industry by promoting greater acceptance of beef cattle performance evaluation.

For more information about this year's symposium, including additional award winners and coverage of meeting and tours, visit BIFconference.com. For more information about BIF, visit Beefimprovement.org.



Northern Riley County saw the beginning of wheat harvest last week as shown in this field north of Leonardville. Photo by Kevin Macy

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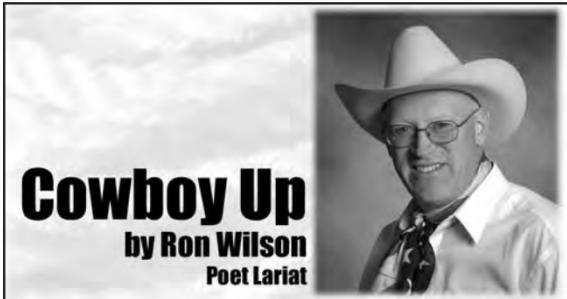
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Barn quilts, part 2

Just as the original white American settlers migrated west in the 1800s, so came the idea of barn quilts and barn quilt trails in the 2000s. The concept of barn quilts - the decorative panels painted with quilt square designs and hung on the sides of barns - began in Ohio and moved west. Donna Sue Groves of Ohio is considered the founder of barn quilts and the creator of the first barn quilt trail. In 2012, Suzi Parron wrote a book about barn quilt trails. As explained in my previous column, Suzi has now published another book called *Following the Barn Quilt Trail*. This book is essentially the journal of her travels

visiting barn quilt trails across the U.S. - including Kansas.

But it wasn't a covered wagon which first brought the barn quilt idea to Kansas. In her new book, Suzi explained that such credit goes to Chris Campbell in Franklin County. According to Suzi, Chris is a farm wife and mother, avid quilter and quilt shop owner. One year Chris went to a quilt show in Oregon - for real quilts, the soft cloth kind - and took a side trip to a nearby barn quilt trail. Chris came back from the trip thinking that somebody should start such a project in Kansas. As Suzi Parron wrote, Chris finally decided,

"That somebody became me!"

Her first barn quilt was mounted on Chris' Corner Quilt Shop near Ottawa. The Franklin County Barn Quilt Trail has grown to include more than 40 quilt blocks!

So Franklin County was Suzi Parron's first stop in Kansas. The book chronicles her continued visits across Kansas to such families as the Krambecks, Olberdings, and Sylvesters.

Then came the Flint Hills Barn Quilt Trail. Leaders like Sue Hageman, Connie Larson, Abby Amick, Lori Bammerlin, and Marcia Rozell promoted the development of a barn quilt trail for the Flint Hills region. These women have done an outstanding job, as described by Suzy Parron.

One of Suzy's stops in Kansas was at our ranch. My wife told Suzy the story of her great-great-grandmother Maggie Thompson Beam, who made a quilt using the pattern of Lancaster Rose a century ago. That quilt eventually found its way to our family, and we still have it. We even have a black-and-white photo of a stern-looking Maggie work-

ing on this very quilt, and the design is prominent in the photo. That was the design that we used for our first barn quilt.

We were so surprised and pleased to find that the barn, the quilt, and the photo of Grandma Beam are featured in Suzy Parron's new book. The book covers 17 states plus Canada. Of the 259 pages describing barn quilts in various states, 15 pages are devoted to Kansas. This colorful, engaging book is available from Swallow Press of Ohio (www.ohioswallow.com).

What explains this flurry of activity around barn quilts? I think it is an intersection of art, tourism, and rural heritage. As the following poem indicates, people have deep feelings for their family quilts.

I commend the women of Kansas who have promoted barn quilts and barn quilt trails in Kansas. As Suzy Parron found, it is not just the eye-catching designs which make these so interesting. It is the touching, heartwarming stories behind the quilts which make them especially meaningful.

I'm thankful that this idea migrated west.

Grandma's Quilt

By Ron Wilson, Poet Lariat

Grandma's quilt is soft and warm.

We hang it on a railing,

In tribute to her handiwork
and family love unfailing.

There are surely other families

who might have a family quilt,

Which displays the craftsmanship
that prior generations built.

Perhaps a grandma stitched a quilt
a lot of years ago,

And it's been passed down through the years
for us to have and show.

Just think about those women

with their skill in decorations,

Who created these warm quilts

for future generations.

To think they chose these patterns

and stitched them with such care,

Not knowing their descendants

would find such value there.

When winter nights are here

and we go lay down our heads,

How comforting to find

a family quilt upon our beds.

It's not just these blanket layers

which protect us from the cold,

It's the inner warmth of reconnecting

with these gifts of old.

So what makes these quilts so special

to those who've gotten and displayed them?

I think that it's the memory of

the loving hands who made them.

Happy Trails!

www.ronscowboypoetry.com

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Exapta Solutions to hold No-Till Seeding School August 5

Exapta will host its No-Till Seeding School on Friday, August 5, 2016 at the Alan Aufdemberge farm a few miles southeast of Lincoln. Choose from either a morning session running from 9:00 a.m. to 1:30 p.m. (noon meal provided), or afternoon session at 4:00 - 8:30 p.m. (supper provided). While Exapta has a highly popular educational DVD *No-Till Seeding Explained*, the Seeding School event is a chance to augment it with additional in-field visuals, and opportunity for Q & A. The Seeding School is purely educational, and not an infomercial for Exapta products.

Matt Hagny, Exapta's founder & president, will be the main presenter, with some commentary by Aufdemberge and another no-till farmer. Hagny has spent hundreds of hours studying no-till seeding with forensic skill, and distills it down to the most important take-home points, delivered in his always candid, brutally honest style. Brush up on your knowledge before buying adjustments and upgrades for your planters and drills.

Seed placement in no-till is fundamentally different from tilled systems, due to the structure of the soil - i.e., it doesn't collapse easily and 'flow' around opener components, and it hasn't been dried out from tillage. But Hagny also emphasizes: "Vigorous stands in no-till are more attainable than you thought - indeed, they can be consistent-

ly achieved every year, every field - but the techniques are different from what you did in a tilled system." Exapta will help you think through the concepts and methods to highly effective no-till seeding, many of which are very simple, easy adjustments. "Think everything is okay because your super-high-tech planter monitor says so? Not so fast! There can be huge flaws in placement that are not being revealed."

Nothing beats hands-on experience and observation. Exapta will demonstrate a wide assortment of misadjustments and attachments for planters & drills, including a chance to observe them in action the day of the school, as well as the growing crops that were planted a couple of weeks prior with the same configuration (all in no-till, of course). Here's an opportunity to not just compare the choices, but also to learn of some of the interactions amongst the settings & components of seeder openers. See them with your own eyes, up close and in-person. Also, attendees will get a sneak peek at some of the latest developments and soon-to-be released technology, some of which completely change the playing field for no-till drills. For instance, Exapta's recently released UniForce hydraulic downpressure system for JD 50/60/90 drills (and 2510H applicators) will be shown in action.

Don't miss out on this opportunity for a valuable experience. Register today! Enrollment is limited for each session. Tuition is \$85. To enroll, call 785-820-8000 (Visa/MC/Discover accepted, or pay by check if mailed sufficiently early). Questions may be emailed to sales@exapta.com. For those coming from a great distance, look at the Salina, or Wichita airports.



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Faces of Harvest: Melissa Clark

By **Malerie Strahm**

Melissa Clark, from Galva is a one-of-a-kind wheat farmer in a love-hate relationship. Her heart loves wheat, but her body hates gluten.

"I think it's funny, I'm kind of a wacky contradiction," said Melissa. "I wear my 'I heart Gluten' shirt and everyone is really confused."

Melissa and her husband Rick farm mainly wheat with Rick's grandparents on the family farm. Wheat may be one of their main sources of income, but it contains gluten, the one thing Melissa can't have.

"I started having trouble when I was a junior in high school and I kind of tried to ignore it. It was probably my junior year of college when my grandma, who has had celiac for twenty years, said 'You need to go get tested,'" said Melissa.

The blood tests came back negative for celiac disease, which happens often, but the doctors said that since it was in the family, they were 90 percent sure it was hereditary celiac disease. Melissa now eats a



Although diagnosed with celiac disease, Melissa Clark enjoys helping her husband Rick with wheat harvest.

gluten-free diet and feels better physically, but wishes she could eat wheat like she used to.

"When I was little, I would always, during har-

vest, eat wheat straight out of the field," said Melissa. "It's something I have to deal with, it's not like I like it. I have to wash my hands every time I touch the wheat. It bothers me if I ingest it but I'm lucky enough that I can be around it. Some people I know leave for the whole summer because they can't be around the wheat dust. Some people are really sensitive and I'm lucky that I'm not as sensitive as some."

While Melissa doesn't agree with today's gluten-free fad where people who aren't gluten-intolerant eat gluten-free, she is thankful for the variety of gluten-free food choices brought about by it. These days, she

can go to town and get a gluten-free pizza and a variety of other products that might otherwise contain gluten.

"I feel somewhat normal because there are options now. My grandma, when I was growing up, had to make all her own bread and everything," said Melissa.

During the school year, Melissa works as a paraeducator for special education students at an elementary school in McPherson. After school lets out for the summer, she's free to help with wheat harvest. She enjoys driving the truck back and forth to the field, running errands, bringing mid-day snacks and coffee, riding in the tractor or combine with Rick and spending time at the farmhouse with Rick's grandma.

"It's a family affair. Everyone rallies together to get things done. We're getting ready to move a house onto the farm and the idea of being on the farm 24/7 and raising kids on the farm, it's what we want," said Melissa.

Wheat harvest on the Clark farm started as the sun went down on Monday, June 13 and was almost 75 percent done by Wednesday, June 15. Rick reported test weights around 61-63 pounds per bushel with moisture content at 11-12 percent. Compared to last year, Rick says that yields have been similar at around 50 bushels per acre, but test weights have been much higher.

"Yields have been good and it's easy cutting," said Rick. "There's not much straw so it's been easy to go through."

Chinese sorghum buyers to visit Kansas, Texas, Louisiana

A team of leading Chinese sorghum importers and feed millers are visiting the U.S. June 20-July 1, 2016, to tour major sorghum growing areas as well as continue to strengthen well-established relationships with U.S. suppliers.

Members of the team were hand-selected by U.S. Grains Council staff in China and represent organizations that purchased 2.5 million metric tons (98 million bushels) of China's total U.S. sorghum imports in the 2014/2015 marketing year.

"China remains an important market for U.S. sorghum," said Florentino Lopez, Sorghum Checkoff executive director. "Strengthening relationships with these influential buyers is key to maintaining their confidence in the United States' ability to provide them with a reliable supply of high-quality sorghum."

The tour will include visits to sorghum suppliers, sorghum producers and ports in Kansas, Texas and Louisiana, as well as Kansas State University and the U.S. Department of Agriculture's Federal Grain Inspection Service office in Kansas City, Missouri. The team's visits will focus on U.S. sorghum production, marketing and export logistics.

"These buyers will leave with a better understanding of U.S. sorghum production, helping build future sales to China," Lopez said. "This trade mission is a great reflection of how organizations such as the USGC, USDA Foreign Agricultural Service, the Sorghum Checkoff and other state organizations work together to build and maintain market opportunities for U.S. farmers. Such activities have led to Chinese purchases of more than 249 million bushels this marketing year."

Kansas FFA Foundation selects new trustees

The Kansas FFA Foundation recognized four new members of its Board of Trustees at the 88th Kansas FFA State Convention, June 1-3, 2016, on the Kansas State University campus. Trusteeship in the Kansas FFA Foundation requires a genuine desire to serve FFA and agriculture education and to promote it to those outside the immediate agricultural education community. The new members are Larry Steckline, Luke Oplinger, Yancy Wright and Randall Galle.

Larry Steckline was born and raised on a farm near Wakeeney, and is an active FFA member. His agricultural roots led him to become manager of the Wichita Livestock Market Foundation in 1965. In 1967, he began his television broadcasting career as farm director with KTVH in Wichita. In 1968, Steckline began broadcasting agricultural news on KFRM AM, and he spent 45 years on television and radio. He has received invitations from presidents Carter, Reagan and Clinton to discuss agriculture issues at the White House and has traveled around the world with U.S. agriculture secretaries John Block, Ed Madigan, Clayton Yeutter and Dan Glickman.

In high school, Luke Oplinger was a member and officer of the Riley County FFA chapter, excelling in his Crop Production SAE and leadership activities. After graduating with a degree in hotel and restaurant management, Oplinger served in managerial roles at Famous Dave's, Jose Pepper's and Pioneer Communication. Oplinger now co-operates Spring Creek Farms, based out of Jewell, which was started by his father and is one of the largest farming operations in the state, producing corn, soybeans, wheat and sorghum in three Kansas locations.

Growing up in an Oklahoma farming family, Yancy Wright was active in 4-H and FFA. He attended Oklahoma State University and earned a B.S. in plant and soil science and a M.S. in agricultural economics. As a student, he worked with wheat agronomists to implement genetic improvements specifically designed towards the improvement of wheat varieties and production practices. Wright began his career with John Deere, first serving as a crop systems specialist and then as senior sales and service marketing representative for the John Deere Seeding Group. He has been in his current role of territory sales manager for John Deere for five and a half years, serving three of those years as a liaison to the Kansas FFA Foundation.

While in FFA, Randall (Randy) Galle served as a chapter reporter and president. He received his State Farmer award and was the State Proficiency award winner in Farm and Homestead Improvement in 1981. He attended Kansas State University majoring in agriculture mechanization. Galle served on the Ag Advisory board for the Moundridge-Hesston chapter for many years. With his passion for farming, he continued to farm nearly 400 acres of wheat while also working in various operations management positions with the Bradbury Company in Moundridge and American Maplan Corporation in McPherson. His farming operation continued until 2007 when Galle joined the Krause Corporation as director of operations manufacturing ag tillage equipment in their Hutchinson facility. Galle is currently the director of processing services for Steel and Pipe Supply, Inc. headquartered in Manhattan, where he lives with his wife, Terrie.

AUCTION
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ANTIQUE AUCTION
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Please keep checking our website at www.whitmoreauction.com for updated detailed listing & pics

Brad Hamblet, a friend and longtime antique dealer from Alma, KS will be liquidating items from his antique shop.

FURNITURE: Oak kitchen cabinet by Klemp Mfg. of Kansas (in the Hoosier style); beautiful oak sideboard w/mirror back-splash, lamp shelves and ball & claw feet; Heywood Wakefield dresser, chest and night stand in the Sculpura line; primitive pine bookcase w/glass doors; oak Eastlake dresser; mahogany podium; oak rolltop desk w/raised panels; beautiful oak quarter sawn library/conference table; 1800s walnut jelly cabinet; nice Waterfall buffet; retro wet bar; neat & unusual 1800s walnut bookcase on chest w/burl drawer fronts & org. wavy glass; New Zealand moderne gentleman's dresser; 1800s pinched tin pie safe; retro glass top side table; wicker chair; rd. oak table & 4 leaves; quarter sawn oak Dr.'s exam table (converted to kitchen island w/butcher block top & drawers on each side); iron baby bed converted to settee; fixer-upper Hoosier cabinet; primitive pine corner cabinet front; mahogany case Zenith radio/record player; misc. chairs.

COLLECTIBLES: 2 oak workshop benches for Topeka schools; excellent Stickley handmade 8'x10' wool rug (has Stickley tag); Tufenkian 9'x12' handmade wool rug; vintage wood bowls; 2 hand carved teak doors from Temple in Thailand; VanBriggle panther lamp w/original butterfly shade; neat Folk Art horse & buggy; complete bevel glass door; Mid Century horse planter; beautiful

large stain glass window; 2 Rayo oil lamps; (2) 1800s immigrant chests w/lettering; Decker German Steeple clock; 2 deer head mounts; retro hanging lamp; 2 large light fixtures from Kansas State Capitol; 2 porch columns; copper apple butter kettle; Wards fan; nice folding cameras; Butter Krust door pull advertising sign; assorted horse twin; flats of furniture hardware; Weller vase; assorted primitives.

ARTWORK: Louis Icart "Eve" print; Maggio Linn original Iris watercolor; Guy Maccoy "Seashell" wood block print; color version of Pharaoh's Horses print; 2 original paintings by Dr. Ray Wood (both Indian theme).

OTHER ESTATE CONSIGNMENTS: Excellent 12' Totem Pole and 6' Indian Chief cigar store statue handcrafted by the renowned carver John Gallagher; 2 ornate Shaman walking sticks; 21" carved wood Indian statue; 18" Indian statue; 20" cowboy statue; decorated turkey feather; deer horn lamp; coffee table w/pony hames legs; signed Navajo pot; cast iron monkey stove; set of 8 Boehms "Wildlife" plates.

JEWELRY: Nice carved Kachina & Animals necklace; sterling necklace w/coral stones; sterling & silver necklaces, bracelets and earrings w/turquoise; 10k mans ring; assorted pcs. of sterling flatware; selection of Fenton, Depression, crystal & other glassware; walnut chest; oak secretary;

PARTIAL LISTING! Other consignments scheduled but not on site at press deadline.

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Ag Education Foundation inaugural summer conference a success; Peterson Farm Brothers and Monte Selby inspire teachers

State agriculture focused non-profit, the Kansas Foundation for Agriculture in the Classroom (KFAC), hosted their inaugural one-day summer conference at the Salina Bicentennial Center recently.

The 71 attendees were immersed in "Creating the Best Day Ever," the conference focus. The conference provided an education and entertainment-filled day for Kansas teachers.

Among keynote speakers was Monte Selby, Ph.D., a Kansas native, who showed his passion for education and music. The Peterson Farm Brothers, Assaria, spoke and performed during the lunch session.

Both entertainers engaged the audience with

song. Selby captivated the morning session, motivating educators to find a worthwhile element in all lessons and workshops throughout the day while keeping in tune to his musical roots. The Peterson Farm Brothers impressed on attendees how advocating agriculture is as simple as a song. They also emphasized social media as a medium for circulating concepts and ideas related to both education and agriculture.

"Agriculture education is not just teaching kids to be farmers," was one positive response from the conference, according to survey feedback.

Educators from all grades and subjects were represented at the confer-



Monte Selby, Ph.D., was a keynote speaker at the Kansas Foundation for Agriculture in the Classroom summer conference.

ence. Hands-on workshops provided by Kansas teachers delivered educators with new ideas and ways to incorporate agriculture education into their current classroom curriculum.

The conference concluded with the release of three new *Kids Connection* agriculture magazines. The magazines emphasized the lifecycle, economics and co-products of beef, pork and dairy livestock in Kansas. "Farm Animals and Me," KFAC's 2017 school year theme is represented in the magazines released, as well as the 2017 bookmark art contest. Each educator left the conference with a classroom set of each new magazine and a bag filled with KFAC

resources. Three additional magazines will be released in fall 2016 focusing on sheep, goats and poultry.

Donors for the conference included Chuck Henry Sales of Solomon, the Kansas Department of Agriculture, Kansas Beef Council, Kansas Pork Association, Kansas NRCS, Kansas Dairy Commission, Farmer Direct Foods and the Greater Salina Community Foundation, among others.

Continuing education credits through Kansas State University were available to teacher who wished to purchase them.

Photos of the conference can be found on KFAC's Facebook page, facebook.com/ksagclassroom.

April red meat exports below last year; year-to-date volumes steady

April exports of U.S. pork and beef were below the volumes recorded a year ago, according to statistics released by USDA and compiled by the U.S. Meat Export Federation (USMEF). Through the first four months of 2016, both pork and beef exports were steady with last year's pace in volume, but fell 9 percent and 13 percent, respectively, in value.

Pork exports totaled 188,324 metric tons (mt) in April, down 6 percent from the large volume reported in April 2015. Export value fell 9 percent to \$466.7 million. For January through April, pork exports were 722,645 mt valued at \$1.77 billion.

April exports accounted for 26 percent of total pork production and 22 percent for muscle cuts only, down from 27 percent and 24 percent, respectively, last year. For January-April, these ratios were roughly steady with last year at 24 percent and 20.5 percent. Pork export value averaged \$49.83 per head slaughtered in April - down 6 percent from a year ago but the highest in 11 months. January-April export value averaged \$45.73 per head, down 9 percent.

Beef exports totaled 88,190 mt in April, down 4 percent from a year ago, while export value fell 13 percent to \$481 million. Through the first four months of the year, beef exports were 343,176 mt valued at \$1.84 billion.

April exports accounted for 13 percent of total beef production and 10 percent for muscle cuts only, each down about 1 percentage point from last year. For January-April, these ratios were down slightly from a year ago at 12.5 percent and 9.5 percent. Export value averaged \$252.42 per head of fed slaughter in April - down 15 percent from a year ago but the highest of 2016. January-April export value averaged \$245.56 per head, down 16 percent.

"Although volumes were lower year-over-year, we did see encouraging signs in the April export results," said USMEF President and CEO Philip Seng. "While the European Union continues to be the dominant pork supplier to China, U.S. pork is achieving growth in the China/Hong Kong market despite significant market access barriers. For U.S. beef, improvement in Mexico and other Western Hemi-

sphere markets was a very positive development. USMEF has worked closely with the retail and foodservice sectors to promote underutilized cuts and overcome our price challenges in these markets, and those efforts are definitely paying dividends."

China/Hong Kong bolsters pork exports; Canada, Central America also higher

Pork exports to China/Hong Kong continued to build momentum in April, reaching 52,288 mt - up 66 percent from a year ago and the largest in more than four years. Export value was up 56 percent to \$96.8 million. This pushed January-April exports to 176,519 mt (+78 percent) valued at \$330.1 million (+54 percent). All suppliers continue to ship larger volumes to China to help meet its current supply deficit, and combined China/Hong Kong imports set another new record in April at 267,450 mt, up 53 percent from last year.

Exports to Canada increased 7 percent in volume (15,685 mt) in April and jumped 6 percent in value (\$64.9 million). Through April, pork exports to Canada pulled nearly even with last year in volume (63,195 mt) but remained 6 percent lower in value (\$239.1 million).

Driven by strong performances in Honduras and Guatemala, Central America is a bright spot for U.S. pork again in 2016. April exports were up 17 percent in volume (5,457 mt) and 25 percent in value (\$13.3 million), while January-April exports increased 22 percent (20,948 mt) and 13 percent (\$48.9 million), respectively.

For Mexico, the leading volume market for U.S.

pork, April exports remained below last year in volume (53,413 mt, -9 percent) but increased 1 percent in value to \$93.1 million - a 2016 high. Through April, pork exports to Mexico were 10 percent below last year's record pace in volume (213,360 mt) and 14 percent lower in value (\$355.9 million).

April pork exports to Japan and South Korea were well below last year, although April 2015 was a big month for exports to both markets as shipments began to normalize following the first-quarter backlog in the West Coast ports. Japan's April volume fell 29 percent to 32,826 mt, with value down 24 percent to \$126.7 million. Through April, exports to Japan were 127,808 mt (-15 percent) valued at \$489.9 million (-11 percent). April exports to Korea fell 45 percent in volume (12,097 mt) and 49 percent in value (\$31.1 million). January-April exports to Korea were down 35 percent (to 51,251 mt) and 46 percent (to \$129.4 million), respectively, from the large totals recorded last year. Domestic production is rebounding in both countries, but U.S. pork is gaining back market share in Korea (36 percent, up from 30 percent), and Japan's chilled imports of U.S. pork have been increasing following the disruptions last year (69,952 mt, +32 percent year-over-year and up 3 percent from the same period in 2014).

Beef exports rebound to Mexico, Central/South America

After a difficult first quarter, Mexico was the leading volume destination for U.S. beef in April at 20,534 mt - up 19 percent from a year ago - while value increased 11 percent

to \$89.5 million. For January through April, exports to Mexico were still down 6 percent in volume (69,450 mt) and 16 percent in value (\$308.9 million).

Led by larger volumes to Chile, Colombia, Panama and Honduras, April beef exports to Central/South America increased 19 percent in volume (3,035 mt) and 33 percent in value (\$14.4 million). This pushed January-April exports to the region ahead of last year's pace in both volume (11,437 mt, +3 percent) and value (\$54.6 million, +5 percent).

April beef exports slowed year-over-year to most Asian markets, although this was due in part to the large April 2015 shipments that followed the West Coast port labor impasse. Overall, U.S. beef continues to gain competitiveness against Australian product in Asia.

In Japan, April export volume fell below last year's level for the first time this year, but exports were the largest in eight months at 20,481 (-9 percent). Export value was also down 9 percent to \$122.2 million, but this was also the largest total in eight months. Through April, beef exports to Japan were up 3 percent from a year ago in volume (73,322 mt) but down 8 per-

cent in value (\$422.7 million). U.S. exports of chilled beef to Japan have rebounded strongly this year to 30,604 mt, up 37 percent from a year ago and 4 percent above the same period in 2014.

Beef exports to Korea were 2 percent lower than a year ago in volume (10,953 mt) and fell 8 percent in value (\$67.2 million). Driven by a 42 percent increase in chilled beef (6,537 mt), January-April exports to Korea remained 17 percent higher in volume (45,591 mt), though value fell 2 percent below last year's pace at \$272.2 million.

Exports to Taiwan increased 27 percent in volume (3,276 mt) and 6 percent in value (\$25.3 million) in April, pushing January-April totals up 22 percent (to 10,910 mt) and 4 percent (to \$91.7 million), respectively.

Hong Kong was the one key Asian market in which April beef exports fell sharply in both volume (6,487 mt, -39 percent) and value (\$39.9 million, -48 percent). These results pushed January-April exports lower by 5 percent (to 36,543 mt) and 26 percent (\$213.6 million), respectively.

Lamb exports up from last April's low totals
April exports of U.S.

lamb were the smallest of 2016 at 639 mt, though this was still up 26 percent from the low volume reported last year. Export value was \$1.6 million, up 30 percent. For January through April, lamb exports were 19 percent ahead of last year's pace in volume (3,315 mt) but still down 8 percent in value (\$6.1 million).

Exports to leading market Mexico were up 25 percent in volume (2,691 mt) through April, while value increased 5 percent to just under \$3 million. Bermuda continues to reemerge as a strong destination for U.S. lamb, while other promising markets include Panama and Chile. Near the end of April, U.S. lamb also regained access to Taiwan for the first time since 2003.

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SELL HOGS 1ST & 3RD
WEDNESDAY OF EVERY MONTH
6/15/16

Not enough steer & heifer calves to truly test the market. Feeder steers & heifers sold steady to \$1-3 lower. Cows & bulls sold steady.

COWS			
Florence, 1 blk	1120@85.00	Marion, 1 blk	1220@81.00
Florence, 1 blk	1135@85.00	Tampa, 1 red	1450@81.00
Florence, 1 blk	1135@83.50	Florence, 1 blk	960@80.50
Florence, 1 blk	1090@82.50	Florence, 1 blk	1200@80.50
Florence, 1 blk	1110@82.50	Marion, 1 blk	1075@80.50
Tampa, 1 blk	1610@82.50	Florence, 1 blk	1165@80.00
Florence, 1 blk	1200@82.00	Florence, 1 blk	1330@79.50
Florence, 1 blk	1290@82.00	Florence, 1 blk	1240@79.50
Florence, 1 blk	1125@81.50	Florence, 1 blk	1280@79.50
Florence, 1 blk	1270@81.50	Florence, 1 blk	1420@79.50
Florence, 1 blk	1245@81.00	Tampa, 1 char	1600@79.50
Marion, 1 blk	1040@81.00	Florence, 1 blk	1240@78.50
		Florence, 1 blk	1465@78.50

Florence, 1 blk	1235@78.50
Florence, 1 blk	1385@78.00
Florence, 1 blk	1225@78.00
Florence, 1 blk	1125@78.00
Marion, 1 blk	1325@78.00

STEERS

Herington, 14 blk	762@137.50
Marion, 61 blk	868@137.50
Herington, 60 blk	927@130.85
Herington, 75 blk	1015@130.00

HEIFERS

Ramona, 36 mix	650@137.25
Ramona, 68 blk	725@136.00

NO SALE THIS WEEK DUE TO HARVEST
NEXT WEEK'S SALE DEPENDS ON HARVEST:
CALL TO SEE IF WE ARE HAVING A SALE

NEXT SHEEP AND GOAT SALE: JUNE 30

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Global business climate remains sluggish for agricultural machinery

While the global downturn in the agricultural machinery industry seems to have stabilized, global recovery is not in sight for the next six months and the sector may stay at current low levels, according to results of the latest Agrievolution Business Barometer survey.

The survey's global business climate index is back to the low level of October 2014, and while the current situation is evaluated to be significantly worse, future

expectations have improved and are now slightly positive. But they are far more muted when compared with the last two surveys taken in 2015, particularly from Western Europe as well as the United States.

The biannual survey is produced by the Agrievolution Alliance, a global network of the leading agricultural machinery associations representing more than 6,000 equipment manufacturers worldwide. The

Association of Equipment Manufacturers (AEM) serves as Alliance secretariat.

In other findings of the latest Agrievolution Business Barometer Survey:

Looking at global industry expectations for single markets in the next six months, East Asia leads the ranking, followed by Africa. For North and Latin America, a majority of the survey participants expect turnover decreases.

A large majority of

Japanese and Russian industry representatives, but also one-third of the Turkish participants, have reported changes in government programs with positive effects on demand for agricultural machinery in their countries. This could be one explanation why contrary to other locations, the volume of orders did not decrease in Russia, Japan and Turkey.

Apart from Russia, the general mood of farmers remains largely negative due

to the low commodity prices and thus profitability. This might not change in the short-term. Through the Agrievolution Alliance, equipment manufacturers cooperate to advance agricultural interests worldwide and promote better understanding of the key role agricultural machinery plays in sustaining a growing world population.

The Agrievolution Business Barometer survey provides Alliance members and their participating

companies with timely and accurate global market trends data for business planning. The alliance also releases a public summary report, available on the Agrievolution Alliance website as well as the AEM website in the Market Data/Market Intelligence section.

For more information on AEM and the Agrievolution Alliance, contact AEM's Anita Sennett (asennett@aem.org.)

Farmers & Ranchers

AUCTIONS EVERY MONDAY & THURSDAY

Selling Hogs & Cattle every Monday

SUMMER SCHEDULE:

Mondays ONLY the month of June!

Selling all classes of cattle starting at 12:00 Noon

RECEIPTS FOR THE WEEK TOTALED 1,155 CATTLE & 60 HOGS. BUTCHER HOG TOP ON MONDAY WAS \$49.00

STEERS

2 bwf	McPherson	355@180.00
3 blk	Miltonvale	415@177.00
63 mix	Longton	837@139.85
54 mix	Moline	899@137.75
52 mix	Longton	891@137.60
54 blk	Longton	910@135.35
52 mix	Longton	916@135.00
39 mix	Alma	986@129.75
61 mix	Alma	1111@126.10

SOWS

1 red	Salina	540@41.00
1 blk	Tescott	510@40.00

HOGS

16 mix	Tescott	279@49.00
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PIGS

2 mix	Chase	50@33.00
11 mix	Portis	51@31.00

HEIFERS

2 mix	Ellsworth	360@165.00
5 blk	Randolph	387@161.00
6 blk	Randolph	438@158.00
3 blk	Courtland	610@147.00
66 blk	Hope	777@137.35
4 blk	Durham	745@137.00
42 mix	Salina	782@135.35
46 mix	Assaria	768@135.00
70 blk	Hope	863@134.25
55 mix	Gypsum	831@132.00
6 mix	Salina	910@131.50
55 mix	Wamego	838@129.50

CALVES

1 blk	Lindsborg	275@585.00
4 blk	Gypsum	271@560.00
1 blk	Assaria	255@550.00
1 bwf	Yates Center	230@525.00
4 blk	Yates Center	209@510.00
2 blk	Yates Center	218@500.00
1 blk	New Cambria	200@475.00
1 blk	Lindsborg	215@450.00
1 red	Ellsworth	145@375.00
1 blk	Assaria	125@350.00

COWS

1 blk	Sylvan Grove	1450@84.50
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Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211

MONDAY — HOGS & CATTLE

Hogs sell at 10:30 a.m. Cattle at 12:00 Noon. Selling calves and yearlings first, followed by Packer cows and bulls.

THURSDAY — CATTLE ONLY

Selling starts at 10:00 a.m. Consign your cattle as early as possible so we can get them highly advertised.

— AUCTIONEERS —

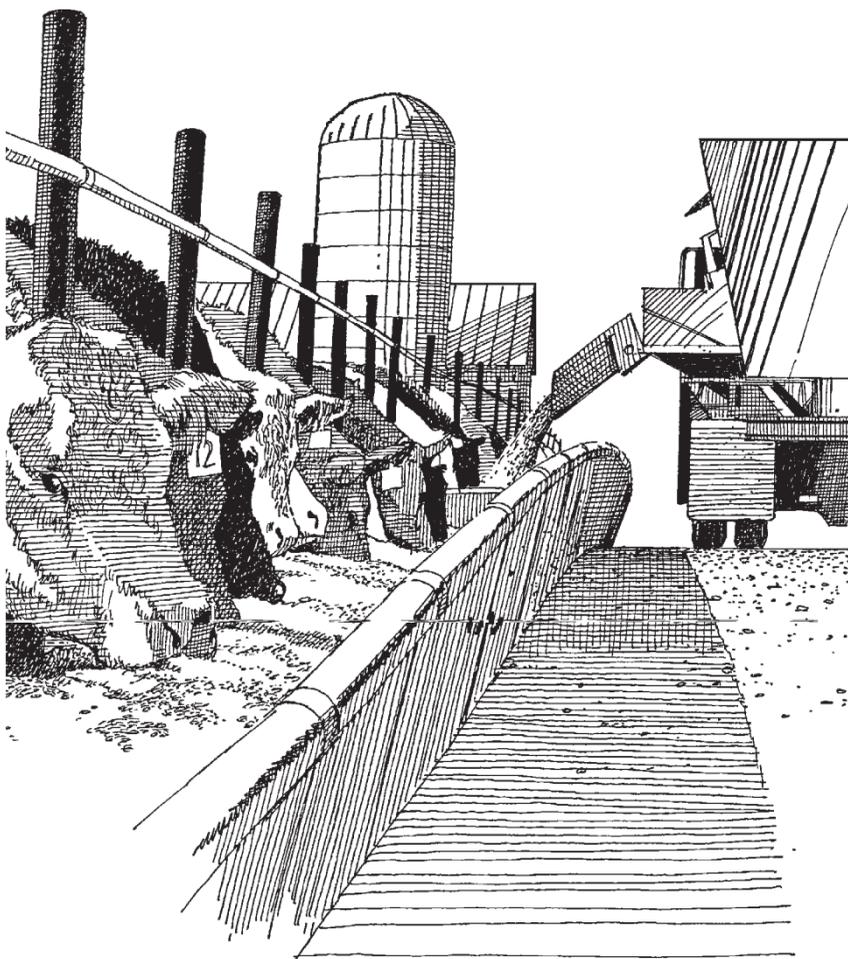
KYLE ELWOOD, ANDREW SYLVESTER & GARREN WALROD

For a complete list of cattle for all sales check out our website www.fandrive.com

1 wf	Hesston	1145@81.00	8 red	Salina	1409@77.50
6 red	Salina	1592@79.00			
1 blk	Salina	1560@78.75			
1 blk	Bennington	1560@78.50			
1 blk	Assaria	1165@78.50			
1 red	Ellsworth	1095@78.00			
1 red	Geneseo	1065@78.00			
1 blk	Durham	1300@78.00			

BULLS

1 red	Salina	2245@112.00
1 blk	Luray	1865@107.00
1 blk	Lincoln	1945@104.00
1 red	Geneseo	1915@103.00



IN STOCK TODAY

- Heavy Duty Round Bale Feeders
- 6'8" X 24' GOOSENECK STOCK TRAILER METAL TOP
- 6'8" X 24' GR Stock Trailer Metal Top
- 6'8" X 24' GR Stock Trailer Metal Top
- 6'8" X 20' GR Stock Trailer Metal Top, USED
- 6'8" X 24' Gooseneck Stock Trailer Bar Top-USED

For information or estimates, contact:

Mike Samples, Sale Mgr., Cell Phone 785-826-7884
Kyle Elwood, Asst. Sale Mgr., Cell Phone 785-493-2901

Check our listings each week on our website at www.fandrive.com

Jim Crowther
785-254-7385
Roxbury, KS

Lisa Long
620-553-2351
Ellsworth, KS

Cody Schafer
620-381-1050
Durham, KS

Kenny Briscoe
785-658-7386
Lincoln, KS

Kevin Henke
H: 785-729-3473, C: 785-565-3525
Agenda, KS

Austin Rathbun
785-531-0042
Ellsworth, KS

CLASSIFIEDS

CLASSIFIED AD DEADLINE IS 10:00 A.M. FRIDAY

RATES AND DISCOUNTS

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Although complete name, address and phone number need not appear in your ad, we must have this information for our records.

Name: _____ Phone #: _____

Address: _____ City: _____ State: _____ Zip: _____

WRITE YOUR AD HERE



FIGURE YOUR COST HERE:

RATE: 65¢ a word.

Number of words: _____ @ 65¢ each

Cost for one week: _____

Multiply one-week cost times number of weeks you want ad to run.

Run ad _____ consecutive weeks.

Category: _____

Cost for _____ weeks: _____

DISCOUNTS: (with cash or credit card orders only)
deduct 10% if ad runs 2 or 3 weeks;
deduct 25% if ad runs 4 weeks.

Less discounts: _____

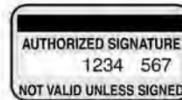
TOTAL: \$ _____

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- SPRAY EQUIPMENT
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REMINDERS

- Please notify us of any errors at once. We cannot be responsible beyond the first insertion.
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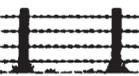
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Beefmaster releases genomic-enhanced EPDs

Beefmaster Breeders United (BBU) has released the breed's first-ever genomic-enhanced expected progeny differences (GE-EPDs) evaluation. GE-EPDs utilize genomic test results in addition to pedigree, performance and progeny data for increased reliability of an animal's EPD. GE-EPDs are the most effective genetic selection tool developed to date. The ability to include DNA derived information in combination with traditional performance EPDs has led to greater genetic improvements at a faster pace, in other species and in other cattle breeds. GE-EPDs will no doubt have the same impact on the Beefmaster breed.

Development of Beefmaster GE-EPDs has been in progress at BBU since 2009, as a project that was envisioned by the Beefmaster Educational Endowment

Foundation (B.E.E.F.). This project helped to build a diverse panel of Beefmaster genetics to be the foundation genetics for the calculation of the GE-EPDs.

"B.E.E.F. and its leadership is to be commended for their vision, dedication and tenacity for taking on this project several years ago and seeing it to fruition," says BBU executive vice president Bill Pendergrass. "Were it not for the foresightedness of B.E.E.F.'s leadership and the generosity of breeders who have donated to B.E.E.F. and its research efforts, the Beefmaster breed would have fallen way behind other competition in the genomics arena."

As part of the project, BBU began asking breeders to HD genotype animals in June 2015. What began as a slow measured drumbeat of interest from a small group of breeders blossomed into

a very impressive display of the Beefmaster breed's most dominant animals being represented in the Beefmaster GE-EPD database. The accuracy of Beefmaster genetic selection tools is about to increase dramatically.

The Beefmaster GE-EPDs evaluation is available for download at beefmasters.org/genomics. GE-EPDs for a specific animal can be found by searching the animal name or registration number through the animal search function at www.beefmasters.org. When using the online search feature, the animals with GE-EPDs are identified by the "Beefmaster Genomics" logo on their pedigree.

For more information about Beefmaster Breeders United and its GE-EPDs please contact the BBU office at 210-732-3132 or visit www.beefmasters.org.

Kansas net farm income plummets, weighed down by falling grain and livestock prices

By Mary Lou Peter
 Average net farm income in Kansas plummeted to \$4,568 in 2015 or less than 5 percent of the previous year's average of \$128,731, according to annual Kansas Farm Management Association member data. The 2015 level was the lowest average level of nominal net farm income since 1985.

state, especially when comparing one year to the next. The data presented in the 2015 analysis came from 1,159 KFMA member farms and ranches.

Regional differences
 In 2015, southwest Kansas farms fared better than in other areas of the state, with net farm income of \$37,423. North central Kansas farms averaged \$11,452, southeast, \$15,119 and northwest farms averaged a loss of \$2,972. South central farms averaged a loss of \$9,730 and northeast a loss of \$11,777.

percent of the increase in current debt and 41 percent in intermediate and long-term debt. With the change, the debt-to-asset level increased to 21.5 percent from 20.2 percent for the average farm during 2015. "While profitability was low in 2015, this still represents a strong balance sheet at the end of the year," according to the KFMA report. With that said, in this environment "We will probably see some restructured debt," said Mark Wood, KFMA economist for northwest Kansas, based in Colby.

The average net farm income - recorded on an accrual basis - had been slipping, but until 2015 had been over \$120,000 for several years. In 2015, however, the drop was more akin to falling off a cliff. Average net farm income across the state was \$159,352 in 2012 before dipping to \$140,356 in 2013 and \$128,731 in 2014 before falling to \$4,568 in 2015. Net farm income represents the amount a farm has available to use for debt repayment, family living and expansion.

"One of the reasons we stayed positive was our yields on grain sorghum," said Doug Stucky, southwest area KFMA Extension agricultural economist, based in Dodge City. "We had over 100 bushel (per acre) milo yield average. Some people had never had the yields they had last year in milo. Hopefully we'll top that this year. With the subsoil moisture we've had, it's possible."

One result of the lower grain and livestock prices and subsequent drop in net farm income is that machinery purchases have slowed, the economists said. Also, total family living expenses for KFMA member farms in 2015 averaged \$69,956, down from \$74,447 in 2014.

Across all farms, the gross crop value per acre in 2015 was \$315.92, down from \$339.36 in 2014, \$407.27 in 2013 and \$421.44 in 2012.

Generally, across the state, farms that primarily focused on dairy production, cow herds and irrigated crop farms fared better than dryland farming, livestock backgrounding and farms that both grew crops and had livestock backgrounding operations, said Kevin Herbel, KFMA program administrator.

Lower commodity prices weighed on agriculture in northeast Kansas, said KFMA economist Clay Simons, based in Council Grove. "Irrigated corn averaged 213 bushels per acre compared with only 177 bushels the year before. We had better production but could not convert that to cash."

Managing in this environment
 "We're still facing (in 2016) lower grain prices - maybe for some time," Herbel said, noting that in times like this, producers should identify their cost advantages. In other words, identify the enterprises on their farms that have the most ability to deal with current commodity prices.

U.S. beef cattle prices dropped from an average \$166 per hundredweight (cwt) in January 2015 to \$132 by January 2016 - the largest one-year drop on record, according to the U.S. Department of Agriculture's Economic Research Service.

"As we come out of a period of strong profitability in the agriculture sector and enter this current downturn, it is important for producers and their advisors to know and understand the financial position and financial performance on each operation," said Herbel, noting that not all Kansas farmers are KFMA members, but the annual report can be viewed as a reflection of financial conditions for farmers across the

Simons said marketing fell short in some cases, noting that some growers are still storing 2015 wheat.

Crop rotation choices, knowing costs and particularly where a producer can have a cost advantage are of primary importance right now and for the months ahead, the economists said.

He noted that producers had grown accustomed to much higher crop prices in recent past years and in turn had spent money, particularly on equipment. Now that grain and cattle prices have dropped sharply, it's hard to scale back expenses accordingly.

"Our ability to double crop really helped," said Abilene-based KFMA economist Bob Kohman of north central Kansas farms. "We had excellent crops but the cattle side really hurt us (in 2015). Now we're looking at ways to manage our working capital."

Debt levels increased by \$30,550 per farm with 59 per-

"In situations like this, it's important to not sit back and see what's going to happen," Herbel added. "Now's the time to manage your current financial position, manage your cost structure and look at using your resources, including labor and equipment, as efficiently as possible."

"Identify areas where you can improve as well as areas of strength you can build on through this time of difficulty in agriculture," he said.

The complete KFMA report is available online at <http://www.agmanager.info/kfma/> and view Whole Farm Analysis Executive Summary on left side of page.

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Multitask or multi-plan

By Steve Suther

I used to think multitasking should be a top goal of management here. Within natural systems like forage and cows, lots of things are always going on at the same

time. What if I could do enough things correctly and on time to fit those systems together just right?

Related systems like markets, weather and available time all compete for at-

tention, however.

More concerns and solutions keep popping up, partly because technology keeps bringing them on: opportunities to do more with limited time, if I subdivide that time a little more. Or maybe turn some thinking over to an array of apps on a smart phone.

Critics are coming down on multitasking as a robber of focus, especially when it calls for complex interactions that distract from the primary task. Some students like to study while watching TV, texting, gaming and eating, but surveys show that's not a particularly good plan – it just fulfills needs unrelated to studying.

When you consider what can go wrong when texting and driving, you quickly see

the weight of responsibility involved. Still, many folks far removed from middle age are coloring within the lines of reason and adopting more and more tech-supported ways of thinking that work for them.

The concepts aren't so new. Ask any parent who must perform important tasks like cooking, cleaning, gardening and the like while making sure they retain primary focus on their most important duties.

With cows, I may want to do one thing at a time but management often demands multitasking and considering the impact of and on all related systems. Everything is interconnected, the seasons keep changing and one thing leads to another.

My version of multitasking is not so much in the

present as in advance planning to account for most of the connections and possible reactions. Sure, that involves some computer and calculator time but not in the heat of a moment – more like looking up one thing at a time and calling up related reports to make decisions to put into action.

Some plans affect one hour or even one minute of a day; others affect years.

When it's time for any action, I try to follow a course that allows for corrections when and if needed, as in holistic resource management.

No matter how much planning or multitasking we do in advance or in the moment, all could be in vain if we don't look down the road on our course. Why are we doing this? Because some-

body literally demands it, if we are in the beef cattle business.

We need to make sure consumers want what we are producing.

Multi-trait selection is a great tool, like the Swiss Army knife of breed association data, that lets us include superior marbling and other carcass traits without backing down on other goals. Over time, we can see the herd improve on multiple fronts.

I love it when a plan comes together.

Next time in Black Ink® Miranda Reiman will explore whether marketing has kept up with genetic selection. Questions? Call 330-465-0820 or e-mail steve@certifiedangusbeef.com.

Rethinking stink about antibiotics in manure

Antibiotics and manure. You probably don't think of them at the same time. But across North America, manure and antibiotics often share the same pile.

Antibiotics ward off diseases. Low levels of antibiotics are also often fed to livestock to improve their growth. However, much of the antibiotics fed to live-

stock goes to waste—literally.

"Often, 90% or more of the antibiotic is excreted, according to previous studies," says Francis Zvomuya. "Manure containing these is then used as fertilizer on crops." Zvomuya is a researcher at the University of Manitoba in Winnipeg.

And that's not the end. Once applied with manure to crops, those antibiotics are in the natural environment, mixing with air, soil, and water. This can lead to antibiotic-resistant bacteria, a public health concern across the world.

One way to prevent such a chain reaction is to make sure antibiotics are broken down before they reach the field, for example, via composting or stockpiling. The question is, "How quickly are these antibiotics breaking down during such han-

dling?" says Zvomuya.

Traditionally, researchers have tried to answer this question by adding antibiotics to antibiotic-free manure. They then use the manure as fertilizer or compost it before applying to crops and test how long it takes the antibiotics to degrade. The process is cost-effective and efficient. However, it doesn't accurately represent how antibiotics get to the manure pile in the real world.

To find the real scoop, researchers fed combinations of antibiotics to steers. Then they collected their droppings. A second group of steers was not fed antibiotics. Researchers added the same antibiotic combinations to these steers' antibiotic-free manure. Then it was a matter of time: Which antibiotics would degrade faster during com-

posting?

Results were mixed. For some antibiotics, the excreted antibiotics degraded more quickly. Other antibiotics degraded faster when added directly to manure.

That result is to be expected, says Inoka D. Amarakoon, first author of the study. Amarakoon is a Ph.D. student at the University of Manitoba. When antibiotics pass through the digestive system of animals, they undergo different chemical and biological changes. "That can affect how quickly they degrade once they are excreted," says Amarakoon.

Also, compared to the antibiotics added to manure, excreted antibiotics can be arranged differently within the manure. "That can change whether the antibiotics are even available for chemical or biological

degradation," says Amarakoon.

Zvomuya, Amarakoon, and their colleagues at Agriculture and Agri-Food Canada found that composting manure for 30 days reduced the concentrations of the antibiotics by at least 85%. Some results were as high as 99%. "This shows that composting manure before using it as fertilizer can reduce the spreading of antibiotics to the environment, thus reducing the risk of antibiotic resistant bacteria," says Zvomuya.

Zvomuya recommends real-world accuracy over convenience. "We need to exercise caution while looking at results from studies in which antibiotics are added to excreted manure," he says.

Read more about this study in the *Journal of Environmental Quality*.

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Farm Credit names two Kansas State University ag economists among its 100 Fresh Perspectives Honorees

Two nationally known agricultural economists from Kansas State University were in Washington, D.C., on Wednesday, June 15, to receive a special recognition from Farm Credit.

G. Art Barnaby, professor, and Barry Flinchbaugh, professor emeritus, were selected for Farm Credit's Fresh Perspectives Top 100 Honorees for their passion in guiding agricultural interests through the complex global market. Flinchbaugh is receiving

the additional honor of being in the Top Ten among those who will receive the award.

Both Barnaby and Flinchbaugh are being honored for their influence on rural policy. Selected by a distinguished panel of industry representatives, the honorees are credited for being leaders and visionaries in creating the future of agriculture and rural America through their dedication and innovation.

The award sponsor, Farm Credit, is a nation-

wide network of borrower-owned lending institutions that provide farm loans, rural loans and other ag loans across the U.S.

Barnaby is an expert in farm insurance, and his research was used as the basis for the first revenue insurance contract. He continues to serve in the Extension field and is an icon to agricultural finance leaders. Barnaby provides educational programs on crop insurance, government commodity programs and risk throughout

Kansas. His work emphasizes the development of alternative public policies for crop disaster protection. For example, he developed the Crop Revenue Coverage, which has been renamed Revenue Protection. This program is currently providing nearly \$85 billion of coverage for America's farmers. His

other research explores the impact of government commodity programs.

Flinchbaugh served as an agricultural economics professor for more than 45 years. His work has helped mold current U.S. agricultural policy. His service on numerous national task forces, boards of directors and advisory groups has al-

lowed him to provide input on domestic food and agriculture policy. He served as chairman of the Commission on 21st Century Production Agriculture authorized in the 1996 FAIR ACT. Flinchbaugh also is chair of the Landon Lecture Patrons for Kansas State University's prestigious Landon Lecture Series.

U.S. pork needs exports; TPP would boost them

The U.S. pork industry must continue to grow its exports and do so through free trade agreements such as the pending Trans-Pacific Partnership (TPP) Agreement, which would eliminate tariff and non-tariff barriers to U.S. products, the National Pork Producers Council reiterated earlier last week in congressional testimony.

NPPC president John Weber, a pork producer from Dysart, Iowa, told the House Committee on Ways & Means Trade Subcommittee that the 12-nation TPP would open and expand to exports of U.S. pork markets that include nearly half a billion consumers and help create more than 10,000 U.S. jobs tied to those pork exports.

"TPP is the biggest commercial opportunity ever for the U.S. pork industry," said Weber, "and NPPC strongly supports its passage and implementation."

The TPP, negotiations on

which were initiated in late 2008 and concluded last October, is a regional trade deal that includes the United States, Australia, Brunei Darussalam, Canada, Chile, Japan, Malaysia, Mexico, New Zealand, Peru, Singapore and Vietnam, which account for nearly 40 percent of global GDP.

Weber pointed out to panel members that the TPP has become the de facto global trade vehicle, with other countries in the region already asking to join it, and would set the new international trade rules and the bar for future trade agreements, including the deal now being negotiated between the United States and the European Union - the Transatlantic Trade and Investment Partnership (TTIP).

He expressed concerns about the United States rejecting the TPP Agreement, pointing out that other countries are negotiating free trade deals in the Asia-

Pacific region without the United States, including the China-led, 16-nation Regional Comprehensive Economic Partnership.

"We cannot afford either economically or geopolitically to walk away from the fastest growing region in the world," Weber said. "If we do turn our backs on that region, some other country... will write the rules for global trade, and the United States not only won't realize the benefits of TPP, it will lose market share in those 11 countries as other nations negotiate free trade agreements with them."

"Congress must pass TPP, and it must do so soon."

On the TTIP, Weber told the subcommittee that U.S. pork producers' support for a final agreement is conditioned on the EU eliminating all tariff and non-tariff barriers to U.S. pork, an outcome achieved in every other U.S. free trade agreement.

African flour millers to assess U.S. wheat quality and trade opportunities

Reliable ingredient sourcing and supply are key to any market functioning successfully. For 15 years, Nigerian millers have traveled to the United States to take stock of their primary supply of HRW wheat. This year, two milling executives from South Africa and Ghana joined three Nigerians on a team that traveled to Kansas June 15-19, 2016, to assess trade opportunities and U.S. wheat quality. The team also visited Texas, North Dakota and Minnesota.

"The milling industries in these countries rely on an uninterrupted supply of quality wheat," said Gerald Theus, USW regional assistant director for Sub-Saharan Africa in the regional Cape Town, South Africa office. "In competitive markets where we face new challenges, there is nothing more valuable than connecting these participants directly with the farmers and other members of the supply chain."

In marketing year 2015/16 (June to May), Nigeria was once again one of the largest buyers of all U.S. wheat classes and is the dominant buyer in USW's Sub-Saharan Africa region having imported more than 1 million metric tons (MMT) of hard red winter (HRW). The market development activities

in Nigeria provide a foundation for other nearby countries including Ghana. South Africa is a steady importer with good potential.

"This team represents major milling groups in each of their respective countries," said Theus. "Mills throughout Africa appreciate the high milling quality characteristics of U.S. wheat and its superior baking aspects."

Bringing these buyers to see Kansas wheat quality and to discuss ways to keep their importing costs down is a very important activity during a time of very aggressive competition. While in Manhattan, Kansas, the team learned about wheat research at the Kansas Wheat Innovation Center, toured the Center for Grain and Animal Health Research, IGP Institute and Hal Ross flour mill, and heard from Jay O'Neal on global supply and demand and transportation outlook. The team then traveled to central Kansas to visit the Bartlett Grain Company Train Loading Facility and witness Kansas wheat harvest at the farm of Doug Keesling.

Nigeria is a success story for the U.S. wheat industry. After a six-year wheat ban ended in 1992, Nigeria imported nearly 350,000 MT (12.86 million bushels) of

U.S. wheat. Since then, the United States has re-established itself as the major supplier of wheat to the Nigerian milling industry.

Nigerian wheat consumption continues to rise rapidly. More and more Nigerians are looking for a nutritious, convenient food and they are finding it in the fastest growing product segment - instant noodles made primarily from HRW. Today, Nigeria is behind only countries in Southeast Asia in per capita consumption and nearly every milling company is manufacturing instant noodles, even though they first appeared on the market less than a decade ago.

The United States dominates Nigeria's wheat import market, despite a decrease in market share and increased price competition from other suppliers, including Canada, Australia and the Black Sea region. USW's in-country service office in Lagos and a commitment to technical training and exchanges have combined to build strong Nigerian loyalty to U.S.-origin wheat. Yet, Nigeria continues to have tremendous untapped potential for increased milling capacity, including for Nigerian flour exports to other West African markets like Ghana.

Eastern Kansas Grazing School to take place September 20-21

The sixth annual Eastern Kansas Grazing School will take place Sept. 20-21 at the Perry Community Building in Perry. The event is a hands-on school for Management Intensive Grazing (MiG) for beginning and experienced grazers. It provides a unique combination of hands-on activities, as well as classroom activities and demonstrations in the field.

Topics to be covered on the first day include: Art and Science of Grazing, Grazing Arithmetic, Farm Visit Pasture Allocation, Animal Behavior and Interaction, Soil and Plant Basics, Resource Inventory and Stocking Rate, and Fencing.

Day two will include the following: Watering Presentation, Pasture Allocation and Field Exercises, Economics of Grazing, Layout and Design, and will wrap up with a question-and-answer session. There will be a farm visit to the Melvin Williams farm, where participants will observe a rotational grazing system and unique watering systems.

The event is capped at 35 farms and is on a first-come, first-serve basis. Registration is \$50 for the first person from each farm; registration includes lunches, snacks and handouts. Additional people from the same farm are \$25, and that registration includes lunches and snacks.

For more information please contact Meadowlark Extension District agents David Hallauer at dhallau@ksu.edu, or Jody Holthaus at jholthau@ksu.edu. For the registration form, go online to the Meadowlark Extension District website.

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MARYSVILLE	3 BLK STR 613@\$158.50		
PALMER	7 BLK STR 511@\$154.00		
FRANKFORT	4 XBRD STR 611@\$154.00		
ODELL,NE	38 XBRD STR 606@\$152.00		
VALLEY FALLS	18 BLK STR 698@\$150.75		
BURCHARD,NE	1 BLK BULL 555@\$146.00		
ODELL,NE	12 XBRD STR 622@\$144.25		
PALMER	1 BLK STR 535@\$143.00		
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LIBERTY,NE	1 BLK STR 760@\$135.50		
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VALLEY FALLS	6 BLK HFR 516@\$160.00	HOME	1 BLK COW 1,275@\$82.50
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AXTELL	1 XBRD HFRETTE 1,005@\$116.50	HANOVER	2 BLK COW 1,370@\$77.00
RANDOLPH	1 BLK HFRETTE 1,095@\$115.00	SENECA	1 XBRD COW 1,390@\$76.00
RANDOLPH	1 BWF HFRETTE 1,135@\$115.00	SENECA	2 MIX COW 1,447@\$76.00
RANDOLPH	1 BWF HFRETTE 1,225@\$109.50	HOME	1 BLK COW 1,845@\$76.00
HANOVER	1 BLK HFRETTE 1,090@\$98.00	BAILEYVILLE	1 BLK COW 1,160@\$75.50
ADULT BULLS		RANDOLPH	
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FRANKFORT	1 BLK ABUL 1,500@\$92.50	SENECA	1 XBRD COW 1,330@\$74.50
		RANDOLPH	1 BLK COW 1,240@\$74.00
		SENECA	1 BLK COW 1,220@\$74.00
		BLUE RAPIDS	1 BLK COW 1,070@\$74.00
		AXTELL	1 BWF COW 1,620@\$73.50
		HOME	1 BLK COW 1,645@\$73.00
		RANDOLPH	1 BLK COW 1,415@\$73.00
		ODELL,NE	1 XBRD COW 1,290@\$72.50
		HANOVER	1 CHAR COW 1,670@\$72.50
		SENECA	1 BLK COW 1,320@\$71.50
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		HANOVER	1 CHAR COW 1,490@\$70.50
		AXTELL	1 BLK COW 1,165@\$70.00
		ODELL,NE	1 BLK COW 1,055@\$70.00
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		SENECA	1 RED COW 1,105@\$68.00
		SENECA	1 BLK COW 1,505@\$67.00
		SENECA	1 XBRD COW 1,135@\$66.00
		BAILEYVILLE	1 BWF COW 1,240@\$66.00
		AXTELL	1 BLK COW 1,285@\$65.50
		AXTELL	1 BLK COW 1,340@\$65.00
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Boyle named AMSA Fellow and recipient of 2016 AMSA Signal Service Award

Elizabeth Boyle, Kansas State University Department of Animal Sciences and Industry professor and Extension specialist, has been named an American Meat Science Association Fellow and is a recipient of the 2016 AMSA Signal Service Award. She will be hon-

ored during the AMSA 69th Reciprocal Meat Conference in San Angelo, Texas.

Boyle has been a member of the K-State animal sciences and industry faculty since 1992. She has worked primarily in Extension to enhance the quality and safety of meat products

and as a liaison providing scientific and technical assistance to meat processors, consumers, government and trade associations. Since 1993, she has provided HACCP (Hazard Analysis Critical Control Point) training to industry, and in 1997, together with a colleague, developed an undergraduate course in HACCP.

She teaches HACCP and food safety workshops nationally and teaches undergraduate and graduate courses in processed meats, HACCP and Advanced HACCP. She continues to host the annual Midwest Processing workshop that has been hosted at K-State for the past 39 years.

Boyle's key program and research areas include processed meat safety and quality, the impact of regulations on small and very small meat and poultry processing facilities, and processors' perceptions of safety and sanitation. In 1996-97, she collaborated with the National FFA Organization to design and develop the Food Science Career Development Event to introduce high school students to majors in these areas in college. She continues to serve on this national committee and received her FFA Honorary American degree from the National FFA Organization.

She was presented with

the AMSA Extension-Industry Award in 2007. She served on the 2002-04 AMSA Board of Directors, and in 2004, was the first woman to chair the annual RMC. She has served on many committees since becoming a member in 1985.

Boyle is an internationally known expert in HACCP systems and has dedicated her career to assisting smaller sized meat companies with improving processed meat quality and safety, HACCP systems and food safety plans. She has mentored many college students and industry personnel in HACCP and has served as advisor to talented graduate students.

Boyle grew up in Richfield, Minnesota, a suburb of Minneapolis, and attended the University of Minnesota. From there she attended Colorado State University to obtain her master's and doctorate in food science, followed by post-doctorate work in meat science at the University of Kentucky and University of Minnesota.

The AMSA Signal Service Award was established in 1956 and is given to members in recognition of devoted service and lasting contributions to the meat industry and to the association. The Signal Service Award is sponsored by Cargill, Elanco Animal Health and Johnsonville Sausage Co. LLC.

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BULLS		1 blk	1295@75.00
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1 blk	1250@97.00	1 red	1320@77.50
1 blk thin	1200@57.50	1 char	1325@77.00
1 blk	1560@98.00	1 hols	1395@70.00
1 blk	1505@96.50	1 blk	1475@81.50
1 blk	1605@105.00	1 red	1590@83.00
1 blk	1750@108.50	1 rwf	1605@79.00
1 blk	2145@104.00	1 char	1670@72.00
COWS		1 char	1775@74.00
1 bwf	970@80.00	HEIFERS	
1 charwf	980@70.00	2 blk	468@152.00
1 blk	1070@84.00	3 mix	563@137.00
1 bwf	1070@82.50	2 blk	615@134.00
1 redneck	1085@74.50	STEERS	
1 blk	1180@112.00	1 blk	500@173.00
1 blk	1150@89.00	2 blk	580@159.00
1 blk	1190@83.50	1 blk as is	520@61.00
1 blk	1160@82.50	6 blk	638@151.00
1 blk	1170@76.00	11 blk	698@146.00
1 blk	1140@71.50	1 char	700@134.00
1 char	1245@80.00	1 blk	775@132.00
1 blk	1245@80.00	1 blk	790@112.00
1 rwf	1280@80.00	1 blk	750@59.00
1 bwf	1275@79.50	48 blk	817@141.25
1 blk	1215@79.00	58 mix	891@137.60

NO SALE ON JUNE 22nd DUE TO HARVEST

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Moran supports bill with key provisions to protect Kansas farmers from government overreach

U.S. Sen. Jerry Moran (R-Kan.), member of the Senate Appropriations Committee, recently supported the fiscal year 2017 Interior, Environment, and Related Agencies Appropriations Bill, which includes provisions to protect Kansas farmers from government overreach. One provision, secured in the legislation by Moran, would restrict funds for future ef-

forts by the U.S. Fish & Wildlife Service (USFWS) to re-list the lesser prairie-chicken (LPC) under the Endangered Species Act. Another would block the Waters of the United States (WOTUS) rule, an Environmental Protection Agency (EPA) proposal that would expand the agency's regulatory jurisdiction over significant amounts of land and

water across the country.

"Kansas farmers and ranchers have dealt with the impacts of the Obama administration's repeated attempts to regulate their land for too long," said Moran. "Efforts to add the lesser prairie-chicken to the endangered species list have caused uncertainty for agriculture producers, oil and gas developers, and electric cooperatives in Kansas and states across the habitat area. The USFWS's move to drop the appeal of the Fifth Circuit's decision to vacate the listing is encouraging, but it is now clear they would like to start the listing process again."

Following the March 2014 decision by the Obama Administration to list the LPC as a threatened species, Moran has led the effort in Congress to reverse the misguided decision and block future attempts to list the bird. A federal court vacated the listing due to the failure of the federal government to adequately take into account the local, voluntary conservation efforts that were put in place to preserve the bird. In response to calls from Moran to state its future intentions, the USFWS claims the decision to drop the appeal of the court case does not rule out future efforts to re-list the bird. Moran's provision in the appropriations bill would prohibit such efforts by the USFWS.

"The provisions in this bill to block the WOTUS

rule will protect Kansas from layers of bureaucracy, red tape and government overreach," continued Moran. "We all share the goal of providing a clean and safe water supply, but pushing harmful regulations isn't the right way to achieve that goal. This rule would make it more difficult for our ag community to produce food and fiber for the nation, keep their businesses afloat, and pass their family operations down to future generations. I will continue fighting to block this damaging, costly rule from implementation."

The WOTUS rule issued by the EPA expands the agency's regulatory authority under the Clean Water Act to include land and water far removed from traditional navigable waters. The WOTUS rule infringes on private property rights and threatens agriculture producers and small businesses with potential fines and lawsuits unless they abide by burdensome, unnecessary regulations when performing every day functions on their operations. The Sixth Circuit Court of Appeals placed a nationwide stay on the rule. The appropriations bill supported by Sen. Moran would prohibit the EPA from implementing the regulation if the stay is lifted or overturned. The appropriations bill passed the full committee and now has the opportunity to be debated by the full U.S. Senate.

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Wednesday Sale, Hogs NOON • Cattle 12:30 PM

For the week of June 15, 2016:

STEERS		Top Butcher Cow
1	325 184.00	\$85.00 @ 1,375 lbs.
9	557 180.50	
6	663 154.00	Top Butcher Bull
		\$97.50 @ 1,925 lbs.
HEIFERS		
8	354 166.00	Bred Cows: No Test
4	426 164.00	Pairs: No Test
5	553 146.00	Fat Hog Top: No Test
8	603 140.00	Sows: No Test
4	738 133.00	Pigs: No Test

UPCOMING SALE SCHEDULE

• June 22nd NO Sale • June 29th Sale

• July 6th No Sale

JULY 13TH BACK TO REGULAR SCHEDULE

Dates are subject to Harvest depending on when it is!

If you need assistance in marketing your cattle please call & we will be happy to discuss it with you.

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<p>JUNCTION CITY, KANSAS • Barn Phone 785-238-1471 Seth Lauer 785-949-2285, Abilene</p>	<p>Clay Center, Ks • Barn Phone 785-632-5566 Clay Center Field Representatives: Tom Koch, 785-243-5124 Lance Lagasse, 785-262-1185</p>
<p>KARL LANGVARDT 785-499-5434 Cell: 785-499-2945</p>	<p>MITCH LANGVARDT 785-238-1858 Cell: 785-761-5814</p>
<p>LYNN LANGVARDT 785-762-2702 Cell: 785-761-5813</p>	<p>Radio Market Reports KFRM 550 Tues. & Wed. 8:00 am</p>

CLAY CENTER LIVESTOCK SALES INC.

Cattle sales Tuesday, 11:00 AM.

For the week of June 14:
No sale last week due to summer schedule

UPCOMING SALE SCHEDULE

• JUNE 21ST SALE • JUNE 28TH NO SALE

• JULY 2ND NO SHEEP & GOAT SALE

• JULY 5TH SALE

JULY 12TH BACK TO REGULAR SALE SCHEDULE

Dates are subject to Wheat Harvest.

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Harvest has started in many places around Kansas, as shown here just west of the Clay-Riley County line off Hwy. 24 last Thursday.
Photo by Kevin Macy

Bermuda Grass Forage Management Field Day set for Tuesday, June 28

A field day which will give relevant information on managing bermudagrass as well as review recent fertility and herbicide studies is being held on Tuesday, June 28 beginning at 6:00 p.m. The field day will start at the location of the studies, three miles west of the intersection of U.S. Hwy. 169 and EW 02 Road, near South Coffeyville, Oklahoma.

The nitrogen trial has looked at the effect of four different rates of nitrogen along with three different nitrogen sources and its effect on forage yield and forage quality. The herbicide trial had 12 different treat-

ments. Field day participants will get a chance to review these results as well as view the plots which are set to be harvested on June 21.

The second part of the field day will be held at the Coffeyville Livestock Market, located at 822 W 4th in Coffeyville. This portion will begin with a sponsored meal. Following dinner Scott Clawson, NE Oklahoma Extension economist will discuss the cattle market outlook and Brian Pugh, NE Oklahoma Extension agronomist, will highlight management practices to utilize bermudagrass more

effectively.

This field day is sponsored by Wildcat Extension District and Oklahoma Cooperative Extension as well as other ag businesses. The host and cooperator in the studies is Kanoma Gelbivie operated by Larry and Earlene Smith of Coffeyville.

A sponsored meal will be provided. Please contact the Wildcat Extension District Independence Office at (620) 331-2690 to make your meal reservations or for more information about this upcoming educational opportunity.

Plum Thicket Farms named BIF Commercial Producer of Year

The Beef Improvement Federation (BIF) presented Plum Thicket Farms, Gordon, Nebraska, the BIF Commercial Producer of the Year Award June 15 during the group's annual meeting and symposium in Manhattan. This national award is presented annually to a producer to recognize his or her dedication to improving the beef industry at the commercial level.

Plum Thicket Farms is a family operation with a passion for raising excellent beef cattle and improving the range and soil that are their livelihood. Located in the Nebraska panhandle, Plum Thicket calves 325 Sim-Angus cows and operates a small backgrounding lot.

Rex and Nancy Peterson head the cattle operation. After two tours of duty with the National Guard, their son, Patrick, came home to lead the farming operation. Patrick is passionate about improving soil health and conserving resources. His wife, Krista, is a large-animal veterinarian with a mobile practice in the area. She did a food animal internship at Kansas State University's College of Veterinary Medicine and is a welcome addition to the management team.

The family purchased the core of the ranch, along with 200 Angus cows, in January 1998. Today, the farm includes 4,000 acres of native range, grazed in a rest-deferred rotational grazing system. They no-till farm 2,300 acres, including 560 acres under pivot irrigation.

Whole-herd artificial insemination has been a staple of the Plum Thicket program. From the outset, the farm has maintained detailed individual performance records that follow cattle to the rail. Nancy used this data to make bull selections and culling decisions. She has steadily improved the genetic quality of the herd.

Using annual forages, Plum Thicket's cattle live within an 11-month grazing program. The family breeds all of the heifers, selects replacements in the spring after having the first calf and sells young pairs that will likely go into a fall-calving herd. They background all of the steers on forage cocktails and swathed sorghum supplemented with dried distillers grain and often retain ownership through the feedlot.

The Nebraska Cattlemen nominated Plum Thicket Farms for the award.

House passes bill to prevent Meatless Mondays in military

As part of the FY 2017 Defense Appropriations bill that was passed recently, the House adopted language to protect U.S. military personnel from being subjected to possible future policies associated with the "Meatless Monday" campaign. The amendment was sponsored by Rep. Adrian Smith (R-Neb.) and stressed that the military should not be affected by political agendas such as this.

"I am not willing to allow activist groups to tell members of our military, who risk their lives to keep us safe, they cannot enjoy a hamburger or steak on certain days of the week simply to advance an agenda against animal agriculture," said Rep. Smith. "Meat contains vitamins and nutrients not readily available in a plant-based diet. My amendment is not a mandate or a prohibition—it simply ensures there is a meat option available to our troops each

day." NCBA sent a letter in support of Rep. Smith's amendment, which read, "The 2015 Dietary Guidelines clearly show that beef is an important part of our diet. That is especially so for our servicemen and women given the active lifestyle they live while protecting our country. We believe that U.S. military personnel have the right to eat what they want, and what is best for their bodies in the execution of their jobs. This is exactly what Rep. Smith's amendment will do."

To learn more, visit <http://tinyurl.com/MeatlessMonday-6-17-16>.

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Beef shoppers: Quality, service above price

Price is important in nearly every buying decision. However, when it comes to groceries, a new study shows consumers place more value on quality and service than price alone.

The doctoral research by Ken Wicker through Capella University's School of Business is titled, "A study of customer value and loyalty in the supermarket industry."

Wicker, currently vice president for a southeastern U.S. supermarket chain, surveyed shoppers in Atlanta, Ga., with a demographic scaled to provide results applicable nationwide.

Using decision factors of price, quality, service, convenience, store atmosphere and store brands, the research revealed new insights on customer loyalty and perception of value.

A paradigm shift from traditional viewpoints was evident.

"Quality (overall) and high-quality perishables far outranked price," Wicker reports. "That was the number one predictor of value and loyalty for supermarket customers."

The findings on quality and loyalty go to the heart of strategic planning, especially in the food business.

"Loyal customers shop with you more often and spend more when they're with you, whether it's in the restaurant industry or the supermarket industry," Wicker explained.

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2595 SE Highway 54, P.O. Box 622, El Dorado, KS 67042
Market Report - Sale Date 6-16-16. Head count: 569.
300-400 lb. steers, \$140-\$193; heifers, \$135-\$181; 400-500 lb. steers, \$130-\$175; heifers, \$125-\$173; 500-600 lb. steers, \$125-\$169; heifers, \$125-\$141; 600-700 lb. steers, \$125-\$148; 700-800 lb. steers, \$120-\$140. Trend on Calves: Choice steer & heifer calves steady. Trend on Feeder Cattle: 275 hd. bk feeder str, 984 lbs. @\$126.50; not enough other feeders for market test. Butcher Cows: High dressing cows: \$75-\$83.50; Avg. dressing cows: \$65-\$75. Butcher bulls: Avg. to high dressing bulls \$90-\$106. Trend on Cows and Bulls: Butcher Cows steady to \$3 higher; Butcher Bulls \$2-\$3 higher.
NO SALE (CLOSED): June 23 and June 30
Have a Happy & Safe 4th! NEXT SALE: JULY 7th!
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) (602) 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

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NEXT SALE: JUNE 21--REGULAR WEEKLY AUCTION--12 NOON
• JUNE 28--CLOSED--NO AUCTION
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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, June 16 we had 522 head of cattle on an active market.
STEERS 11 blkred 720@134.00 3 bwf 510@151.00
2 yellow 420@165.00 11 blkred 916@132.25 5 bwf 652@139.00
3 blk 592@152.00 9 hols 928@90.00 5 blk 779@134.00
7 bwf 754@147.00 HEIFERS 6 blkrbf 824@120.00
10 bwf 764@145.00 4 blkchar 459@163.00 BULLS
5 bwf 830@144.00 4 blkchar 521@154.00 5 bwf 350@198.00
62 blkchar 857@141.90 3 blkred 408@152.50 4 bwf 314@193.00
Butcher Cows: \$67-\$92, mostly \$78-\$85, \$2-3 higher, very active.
Butcher Bulls: \$95-\$111, mostly \$103-\$108, \$2-3 higher, very active.
Packer cows & bulls selling on a very active market!
BUTCHER COWS 4 blk 1410@86.00
1 sim 1360@92.00 4 bwf 1637@86.00
1 bwf 1175@90.50 BUTCHER BULLS
2 red 1113@90.00 1 char 1975@111.00
1 blk 1280@90.00 1 blk 1760@109.00
1 blk 1460@89.00 1 blk 2175@108.00
2 red 1355@88.00 1 blk 2230@108.00
3 blk 1422@88.00 1 blk 1880@107.00
2 blk 1630@87.00 3 char 1245@105.00
2 char 1435@87.00 4 char 1329@104.50
4 blkred 1431@86.50 3 braX 1325@103.00
2 blk 1855@86.00

EARLY CONSIGNMENTS FOR JUNE 23
SPECIAL STOCKER FEEDER CALF SALE
25 YEAR ANNIVERSARY & CUSTOMER APPRECIATION LUNCH FROM 10:45 AM TO 2 PM
SPECIAL GUEST AUCTIONEERS:
CHARLEY CUMMINGS & BRANDON NEELEY
• 300 fancy Angus & few bwf str & hfrs, 650-750 lbs., weaned 90 days, homeraised, vac 3 times
• 200 fancy Angus & few bwf str & hfrs, 500-700 lbs., calves but vacc.
• 200 bwf char X steers, 800-925 lbs, will sort into loads
• 130 blk red char X heifers, 750-850 lbs, will sort into loads
• 125 packer cows & bulls
Expecting 1200-1400 head by sale time!

NO SALE JULY 30th
We appreciate your business!
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Mobile Cell 620-750-0123
Austin Evenson- Fieldman
Mobile Cell 620-750-0222
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