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Salina startup advances beef stock genetics

By Lucas Shivers

Embruon, a new Kansas startup company, uses cutting-edge biotechnology science to select cattle embryos to build herds with the most desirable traits.

"My company started as a bovine embryo company," said Embruon founder Matt Barten, who resides in Salina. "From the embryo testing, I can tell producers the gender, recessive trait analysis and full genomic profile of the offspring. It helps us find the best animals."

Barten started Embruon in 2014 to help Angus producers.

"After I finished my bachelor's in animal science from Fort Hays, I went back for several rounds of school to learn about human ultrasound," Barten said. "In the early 2000s, I started a bovine ultrasound company. In 2007, my brother, who is a vet, started another company with me before I started investing in Embruon."

Embruon helps seed stock cattle producers manage their herd.

"I serve ranchers from anywhere in the U.S.," he said. "I send them a culture media and incubator. Producers send back their embryos to me while they continue to grow the whole time. I biopsy the embryo; and then, I store them in liquid nitrogen."

Partnerships

Barten sends the biopsy samples to a lab called GeneSeek, a collaborative partner in Nebraska. GeneSeek is the largest genomics lab in the world.

"With access to state-of-the-art equipment and some



Embruon founder Matt Barten was one of the winners of Kansas State University's Launch a Business program.

of the brightest minds in the field, the possibilities that lie within genomics are far-reaching," Barten said.

As a highlight of the business, Barten said he especially enjoys working with GeneSeek. "When we visit, everyone there has common sense and innovation to chase dreams to see if we can do something new," he said. "They keep after it. I get access to some of the brilliant minds in the field today, and it's extremely rewarding to work with them."

Dustin Ahern, another collaborator who handles the software side, runs the numbers to show the computing power to share and validate Embruon's work. Barten tests help discern differences between various traits of economic value.

"We can find recessive traits, like carriers for disorders," Barten said. "We can

discern how to move on with the offspring that will have the most desired traits."

Embruon Goals

The company runs data that can boost calves performance of marketability.

"What I do makes and can potentially save producers tens of thousands of dollars," Barten said. "By making genomic selections of what calves would be on the ground, we can find the best fit for each herd."

From the producer to embryo practitioner to the lab where DNA is tested, Barten's mission is to support elite pedigreed donors with data.

"Within embryo transfer, the biggest dollar figure is the cost of a recipient animal," Barten said. "After the calf hits the ground, ranchers have 12 months of inputs to have a marketable animal in most cases."

fore planting to get specific traits.

"I've worked with lots of local producers in Kansas, but also from all over the U.S.," Barten said. "We're a new technology that the early adopters see the value of. In the beef industry, leaders have a motto to 'fail fast and fail small' to find the best ways to learn and capitalize on growth. Embruon fits this idea."

Barten works with small, but growing, numbers of producers. "I have a long business cycle. It's a 3-5 month venture before they have a feeling on the process," he said. "By and large, I have a lot of repeat customers. I'm big on the relationships with producers and treat people right."

For example, some pro-

ducers want to focus on female offspring and get a better return on their money to get a specific gender.

"I've had around 60 embryos transferred in the last two months," Barten said. "I can process more than 30 a day. We get results turned around within three weeks. We're working to have same-day gender identification."

Barten said the future holds even more of these types of data-informed decision-making.

"I get feedback from the market and adapt to move forward," Barten said. "We're starting to see this technology more and more. It's coming quicker and quicker. For Embruon, it helps to have animals on the ground that validate ways you can get conceptions in a high order."

Barten shared the scenario that if producers had 50 embryos, Embruon allows ranchers to choose the best 25 that would make above-market value and profits.

Customer Satisfaction

Since the company is young, customers find Embruon from presentations Barten delivers at conferences, as well as on social media or word of mouth.

"With the significant differences we see in full sibs from trait to trait, I feel that the genomic scores are invaluable tools to sort for genetic improvement," said Harold Miller, Embruon customer and owner of 7 Triangle 7 Cattle Company. "Changing genetic intervals is crucial for beef production to compete for the protein markets."

Barten compared Embruon to many big seed companies that biopsy corn be-



Embryo biopsies are sent to GeneSeek in Nebraska to analyze genetic traits.

Tyson puts plans for Leavenworth County processing plant on hold

By Donna Sullivan,
Editor

Tyson Foods has an-

nounced it will "put on hold" its plans to build a \$320 million chicken processing plant near Tonganoxie. The company, along with Gov. Sam Brownback and the Kansas Department of Agriculture, made a formal announcement of the project on Tuesday, September 5. It was immediately met with strong opposition from Leavenworth County residents, who moved quickly to form CAPS, Citizens Against Project Sunset. It started as a Facebook page followed by several thousand people. "No Tyson in Tongie" became their slogan as they held an organizational meeting and considered their leadership roles.

When the Leavenworth County Commission voted 2-1 on September 18 to reverse its support of issuing \$500 million in industrial revenue bonds, Tyson poul-

try president Doug Ramsey issued a statement that the plans had been put on hold.

Kirk Sours, manager of the Tailgate Ranch that borders the proposed site of the facility, was one of the leading voices of the opposition. Environmental issues and the potential adverse effect on land prices in the area surrounding the project were among his concerns, along with the ability of the area to support a project of such magnitude. "If they put a processing facility and hatchery there, they're going to have to build a wastewater treatment plant, because there's not enough room for a lagoon," he said a week prior to the recent announcement. "There's just going to be a tremendous impact on our infrastructure. Tyson, with its tax abatement, will not be able to cover it, unless they start writing checks to the

county."

In an open letter to the Leavenworth County community, Ramsey said the company realized the scope of the project would raise questions and that the public would have an important voice in the decision-making process. "That's why we met with some of you after our initial announcement, planned more meetings and offered community leaders a chance to see our facilities first-hand," he wrote. "Unfortunately, we've not been able to reach as many of you as quickly as we had hoped." Ramsey listed employment benefits and their commitment to healthier workplaces, healthier animals and a healthier environment as attributes the public may be unaware of. "We'd still like to get to know each other, however, after Monday's reversal of support by the

Leavenworth County commissioners, we will put our plans in your community on hold," he continued. "We still have interest in Leavenworth County, but will prioritize the other locations in Kansas and other states that have expressed support. This is a good project that we are deeply passionate about. It's important to the future of our company and our ability to serve our customers. We also believe it will be a significant boost—and not just economically—for the right community."

Kansas Secretary of Agriculture Jackie McClaskey indicated the state will continue to look for ways to work with Tyson. A post on her Facebook page read, "Kansas remains committed to bringing the Tyson project to our state. Multiple Kansas communities have expressed interest in being the home to

Tyson's first brand new protein facility in the U.S. in 20 years. This is a great project that supports Kansas farmers and provides opportunities for young people to return to family farms through increased revenue and diversification. Growing agriculture is key to growing the Kansas economy and Tyson is already a great Kansas partner. The integrated poultry facility will create 1600 jobs and Kansas has the environmental regulations in place to protect our natural resources. As they consider alternative sites, Tyson needs to know Kansas is a proud agriculture state that desires to grow."

Opponents of the project vowed not to let Tyson's announcement cause them to let their guard down and they will continue to attend county commission meetings and monitor the situation as it develops.



Another Indian Summer?

By John Schlageck,
Kansas Farm Bureau

Indian summer heralds a period of unseasonably warm, dry weather that sometimes occurs in the Sunflower State during autumn. Weather conditions are shaping up for sunny and clear conditions with above normal temperatures, occurring late-September to

mid-November.

Indian summer is without question the best season to live in Kansas. Temperatures are milder – gone are the sweltering dog days of summer. Trees are flashing brilliant golds, reds and silvers. Stormy skies have been replaced by a deep blue backdrop overhead.

Autumn is magical for

another reason. While the growing season has come to an end, harvest is moving ahead full throttle.

Like the trees, fields of grain have donned their fall colors. Red, green and silver combines chew their way through the abundant corn, milo and soybeans. Farmers are working long hours, often late into the night to bring the bounty of harvest into storage.

For farmers fall harvest is everything. Right now, bringing the crops out of the field is the only thing that matters. A half-year of time, money and labor has gone into producing these crops.

Yes, autumn signals the end of a cycle. Soon the weather will turn cold. Arctic winds will sweep down from the north accompanied by sleet, freezing rain and snow. During this period, farmers will dream about spring when they can plant fall crops again.

Kansas farmers are special people. They meet our food, fuel and fiber needs. Thanks to them, we never worry about availability.

The next time you walk into your local supermarket, remember bread made from wheat comes from someone's Kansas farm. Milk comes from carefully cared-

for dairy cows.

While the butcher performs a service in cutting and packaging your family eats, the Kansas rancher cares for and produces the beef. Styrofoam cartons only hold eggs that are laid by hens on farms.

Kansans and other Americans across our land remain the most fortunate people in the world. No other country can claim that so few people feed so many. Today less than 2 percent of our nation's population are farmers. They can supply the other 98 percent with food. They also feed people

around the world.

Indian summer comes and goes far sooner than any of us would like. Try to take a trip into the country soon. As you motor through farm country, notice the fields of corn, milo and soybeans. Look at the cattle, hogs and sheep grazing the pastures. Don't forget the Kansas farmer who helps feed you and your family.

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.

Pre-registration for K-State ASI Family & Friends Reunion is September 29

Pre-registration deadline is Friday, September 29 for the third annual K-State Animal Sciences and Industry (ASI) Family & Friends Reunion. Planned for Oct. 13 at the Stanley Stout Center in Manhattan, the event welcomes alumni and friends back to campus and the opportunity to re-connect with friends, faculty, staff and

students.

Starting at 5:30 p.m., the event will feature premium quality meats and dairy products, including pork, beef, chicken and lamb; live entertainment by Rusty Riererson, KSU ASI alum and noted country music artist; and a Junior Wildcat Barnyard area designed for the youngest members of the

ASI family.

A highlight of this year's reunion will be the presentation of the Don L. Good Impact Award to long-time pork industry leader and retired state legislator Sharon Schwartz.

The award, presented by the Livestock and Meat Industry Council Inc. (LMIC), is named in honor of Good,

who is a former K-State ASI department head, and recognizes positive impact on the livestock and meat industry or agriculture.

You won't want to miss the performance by the "best band in the land," the K-State Marching Band. Following the band's performance, attendees will participate in the Wildcat Walk. The band will form an aisle for attendees to enter the Stout Center led by Willie

and the kids.

"Plan to join us for an evening of great food, good music and catching up with friends and ASI faculty and staff," says Patsy Houghton, Family and Friends Reunion chairman from McCook, Neb. "Register today for this great opportunity to re-connect with the ASI department."

Registration and schedule information is available online at www.asi.k-state.edu/familyandfriends.

Pre-registration deadline is September 29 and walk-in registration may be limited. For questions about the event, contact Lois Schreiner at 785-532-1267 or lschreiner@ksu.edu.

Kansas State Fair officials pleased with event's outcome

(AP) – A Kansas State Fair official says the event ran relatively smoothly despite minor hiccups that were expected.

The *Hutchinson News* reports that this year's fair featured a new website, new ticketing system and other new infrastructure. Fair general manager Susan Sankey says that while those new features meant inevitable problems this year, those problems were minor in the grand scheme.

Sankey says some positives from the fair were great working relationships with Kansas Highway Patrol, emergency medical services, staff, vendors and exhibitors. She also says many people had good things to say about performers in Gottschalk Park.

The annual ten-day fair, beginning the Friday after Labor Day, is held at the Kansas State Fairgrounds in Hutchinson.



Yesterday was my birthday. It is funny how our birthdays change as we go through life. As a child, your birthday was probably one of the two or three most anticipated days of the year. It ranked right up there with Christmas, Thanksgiving and Easter. Birthdays meant a party, friends, cake, ice cream and most importantly, presents. You got to take treats to school (back in the good old days it meant no restrictions on candy or what could be in birthday treats too, amazing how we all survived that). A carefully planned birthday meal and you were king or queen for the day. Funny how things peak for us at an early age.

Then came the teenage years and birthdays were much more complicated. You wanted it to be a big deal but only in the most non-embarrassing way. You wanted all the perks of a birthday, presents and good food, without all the humiliation of being recognized. Everything was okay if your parents didn't tell the whole world it was your birthday. Of course, if your parents did not make a big deal, then it was grounds for a full government inquiry on just how such an atrocity could happen.

Then came the late teens, early twenties when you kind of missed your parents making a big deal over your birthday. Secretly, your parents kind of missed it too and that is why they probably showed up with presents and took you out to eat. I think if we were all honest, those were the birthdays both parents and children find most fulfilling. Some of the most important birthdays are during this time. The eighteenth, when in "theory" we become adults, or the twenty-first and we won't talk about that one.

After our twenty-first birthday, they become much less important. Sure, thirty is important from an insurance standpoint but really at that point birthdays are just another day with maybe a reason for a special meal mixed in. Secretly you hope someone remembers, but you play it cool. There are those "special" birthdays that seem to come around every five years and in those years the idea is to lay low and hope a vengeful spouse or sibling doesn't remember and broadcast the day publicly (in my case it may be a case of what goes around comes around).

Some people may even come to dread

birthdays at this point in our lives but my theory is a simple one. There is only one way you don't get a year older and having a birthday sure beats the alternative. In fact, I have come to embrace my birthdays – who doesn't like and excuse for steak, cake and ice cream? So what if it comes with a little discomfort about how big that number is getting?

Call it being an adult but I have also come to the point where I don't expect much for my birthday and then I am not disappointed, either. I guess that comes from growing up on a farm and having a September birthday. We are always planting wheat or combining fall crops on my birthday and any of those activities take precedence over everything, including birthdays. In the spirit of complete honesty, I prefer a good day of harvest on my birthday (or really any day for that matter).

I suppose in a few years I will get into the place where birthdays are a big thing again as I hit the bigger milestones (or at least I hope I do, see my early comment on my philosophy about turning a year older). Even then I am reminded of an ad that runs on TV. An older gentleman proclaims that he is ninety years old although he does not see it as an accomplishment since others have done it before him. I still suspect he is proud of it and anticipated some sort of celebration.

I am writing this column before the event happens but I would anticipate at least my immediate family remembering. The day will probably include a good meal and a cake (if I am lucky). I might say I don't expect anything but let's be completely honest. If my family listened to me and did nothing on my birthday I would turn into that pouty teenager or (as I am often accused of) a grumpy old man. I wonder what age that status kicks in at?

It would seem to me that birthday excitement is kind of a reverse bell-shaped curve with the peaks being at both ends of the spectrum and a precipitous dip in the middle. Even at the low point in the curve I still imagine it is a big day for any of us. It is always good to get a little attention, a good meal and maybe even a few gifts. We all want to know someone has remembered and appreciates the day we were born, even moody teenagers and grumpy old men.

COWPOKES® By Ace Reid



"Jake, I'm gittin' plenty of exercise, I bet I run to this icebox a hundred times a day!"



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Ag prospects looking up – slow but sure improvement in rural economy

By Miranda Reiman

It might not feel like a quick ascent, but agriculture will climb out of the slump affecting nearly all sectors in recent years.

That ray of hope comes from AgResource Company. President Dan Basse spoke as part of the Feeding Quality Forum in Omaha, Neb., last month, while colleague Ben Buckner addressed the crowd in Garden City.

“Dairy is the only industry this year that will make more gross than the year before,” Basse said, noting it’s up \$40 billion, compared to the beef sector, which will drop \$7 or \$8 billion.

“Our revenues have fallen in half—name me another industry where net revenues have declined by 50% in a period of five years. That’s our story,” he said.

Cyclical trends and export prospects provide a glimmer. “The world economies are improving at a pace faster than the U.S., but it is improving,” Buckner said. A surprising boon? “The best that’s happened in the last six months or so is the political chaos in Washington, D.C.”

Government instability has caused a decrease in the value of the U.S. dollar, a positive to agriculture since it relies heavily on exports, he said.

“That is putting pressure on producers overseas,” Basse said.

All commodities have a bit of good news in store.

“The United States will

be a net exporter of crude oil by 2019,” Basse said. “This is a really big deal, the first time we’ve had a net export of energy going back to the 1940s.”

The ethanol industry is starting to ramp up production, adding about a billion gallons of capacity to meet export demand.

“It’s part of the reason I think you all in the cattle business need to be looking in the next few weeks of taking some feed-need coverage over the next nine months,” he said.

Both analysts said it’s unlikely corn markets will go more bearish coming into harvest. They suggested USDA’s corn yield estimate of 169.5 bushels per acre (bu./acre) is high, because the equation overestimates corn ear weight, given the dry conditions in much of the upper Midwest.

“We don’t think there’ll be a disaster; we just don’t think ear weight’s going to be this high,” Buckner said, noting a change from 169.5 bu/acre to 167 or 165 can cut many millions of bushels off the total harvest.

“It doesn’t get you exceedingly bullish on corn, but it does tell me that if corn makes it down to \$3.45 to \$3.35, I would definitely want to be a buyer down in that area,” Basse said.

Longer-term, they expect a price increase. World stocks will decline over the next few years, but the U.S. will face increasing global competition as other coun-

tries make bigger improvements in yields.

“The U.S. farmer is the very best. It’s hard to really add yield nationwide when you’re yielding 168, 175 (bu/acre),” Buckner said. Countries like Ukraine could increase 30% and Brazil by 50%, while the U.S. might reach a 4% improvement.

Competition is still a factor in the beef sector, but it relies less heavily on global markets, they said.

“Quarterly domestic use is really good, and this is the demand pull that I see in the beef market,” Basse said. “The quarterly per-capita disappearance is now the largest it’s been since 2008.”

If trade with China really ramps up, Basse said, “I could get really bullish on the demand side of cattle sometime during the first quarter of next year.”

He doesn’t expect China to lift any requirements on U.S. beef.

“They like to have a lever on trade,” he said, but it probably also represents an over-arching trend in food production. “I think that’s the way agriculture is going, in terms of producing what the market is demanding. I don’t think that’s all bad because it gives consumers choice.”

But before that trade can bolster the market, the larger beef harvest numbers in recent months and earlier-than-usual placements due to drought will continue to pressure prices in the fourth quarter.

Organic Trade Association sues USDA over organic livestock standards

The Organic Trade Association (OTA) has filed suit against USDA stating that the department failed to advance new organic standards.

The suit alleges that USDA violated the Organic Foods Production Act and unlawfully delayed the effective date of the final livestock standards. The group also accuses USDA of abusing its discretion by ignoring and “overwhelming” public record established in support of the organic standard, according to Meatingplace.com.

OTA contends that the Trump administration’s regulatory freeze order issued to federal agencies in January should not apply to organic standards because they are voluntary and are required only of those farms and business that opt in to be certified organic.

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Winner Josephine Hetzke, Barnes:
CINNAMON CUCUMBER RINGS

- 1 gallon cucumbers
- 1 cup pickling lime
- 4 1/2 quarts water
- 1/2 cup vinegar
- 1/2 tablespoon alum
- 1/2-ounce red food coloring

Pare and core cucumbers. Cut in 1/4-inch thick rings. Add pickling lime and water. Cover cucumbers. Let stand for 24 hours. Drain and wash in clear water 4 or 5 times. Soak for 3 hours in cold water; drain. Mix the 1/2 cup vinegar, alum and food coloring. Add water to cover pickles; Simmer for 2 hours. Drain. Bring to boil:

- 1 cup vinegar
- 5 cups sugar
- 1 cup water
- 4 sticks cinnamon
- 1 small package red hots

Pour over pickle rings. Let stand overnight. Drain syrup mixture from pickles and reheat. Pour back over pickles when it is boiling. Repeat this for 3 days. On the third day pack in jars. Pour boiling liquid over pickles. Be sure liquid covers pickles.

Lydia Miller, Westphalia, shares the following:
GLAZED CHICKEN
1 chicken, cut up
1 cup apricot preserves
1/2 cup bottled Russian dressing
1/4 cup mayonnaise
1 package dry onion soup mix

Place chicken, skin side up, in greased 9-by-13-inch baking dish. Combine remaining ingredients and pour over chicken. Bake at 350 degrees for 60 minutes or until well glazed and tender, brushing frequently with sauce. Makes 4 servings.

Kellee George, Lawrence:

CHICKEN CORDON BLEU PASTA BAKE
8 ounces bow tie pasta, cooked
1 cup diced cooked chicken
1 cup diced cooked ham
2 cups fresh spinach
1 jar Alfredo pasta sauce
1/4 cup water
2 cups shredded Swiss cheese

Heat oven to 350 degrees. Spray 9-by-13-inch pan. In a bowl mix all ingredients until well mixed. Spoon evenly into baking dish. Cover with foil. Bake 25-30 minutes or until heated through and cheese is melted. Let stand covered 5 minutes before serving.

PLAN ... To Save Time and Food Dollars

By Barbara L. Ames, Wildcat District Extension Family & Consumer Sciences Agent

Do you ever get tired of running to the grocery store several times each week? Do you ever get frustrated because you forget about a food and it spoils before you can use it? Do you want to save money on your food budget? If so, menu planning is for you.

To plan a menu for your family, start by picking a length of time that works best — usually a week is a good place to start. Write down your meals and snacks on a dry-erase board, calendar, notebook, piece of paper, app, worksheet or whatever works best for your family. Using your menu plan, write your grocery list and you are ready to go shopping.

5 SIMPLE STEPS...

1. Check your refrigerator, freezer, and pantry to see what you already have. You can build a meal around something simple you already have. For example, if you have a lot of frozen vegetables, plan meals such as soups and casseroles that you can stir frozen vegetables into.

2. Check weekly grocery ads to see what is a good deal. Using sale items in your menu can help you save money. If you see blueberries are a good deal, plan blueberries as snacks, blueberry muffins for breakfast, and a fruit pizza with blueberries for dessert. If they are a really good deal, freeze some for another day.

3. Keep a list of family favorites. List meals and snacks that your family likes and use the list when you have a hard time thinking of meals.

4. Plan to have leftovers. You can make a double batch of something one night and serve it again another night. This works well if you know you have a busy night coming up and will not have time to cook.

5. Be flexible. Think of simple things to stock for breakfast, lunch, and snacks — especially if your family is on the go with work and school. Then put more planning into supper, a meal you can sit down and enjoy as a family.

To review an example menu plan for a week, more shopping tips, lots of great recipes and more, check out Iowa State University's Spend Smart. Eat Smart. website: www.extension.iastate.edu/foodsavings/recipes/all.

Menu planning is a fantastic way to keep your family budget on track. It helps save money on groceries, makes sure your family is getting the nutrition they need, and saves time with deciding on meals and preparation.

For more information about this topic or other topics, contact the Wildcat Extension District offices at: Crawford County, 620-724-8233; Labette County, 620-784-5337; Montgomery County, 620-331-2690; Wilson County, 620-378-2167; Pittsburg Office, Expanded Food and Nutrition Education (EFNEP), 620-232-1930. Wildcat District Extension is on the Web at <http://www.wildcatdistrict.ksu.edu>. Or, like our Facebook page at [facebook.com/wildcat.extension.district](https://www.facebook.com/wildcat.extension.district).

PORK LOIN ROAST & VEGETABLES

Here is a perfect recipe for meat and potatoes fans. Enjoy this recipe with a

- fresh side salad, and a piece of fruit for dessert.
- 2 cups onions, cut in wedges (about 1/2 pound or 2 medium)
- 2 cups potatoes, diced (about 12 ounces or medium)
- 2 cups baby carrots (or 3/4 pound regular carrots, sliced)
- 2 tablespoons vegetable oil (divided)
- Salt & pepper, to taste
- 1 1/4 pounds pork loin

For Rub:


- 3 teaspoons brown sugar (1 tablespoon)
- 1/2 teaspoon garlic powder
- 1/2 teaspoon pepper
- 1/4 teaspoon salt

Preheat oven to 400 degrees. In a bowl mix veggies with 1 tablespoon oil, salt, and pepper. Lay veggies around the edge of a 9-by-13-inch pan and put in oven. Use a small bowl to make the rub. Mix the brown sugar, garlic, 1/2 teaspoon pepper, and 1/4 teaspoon salt in the bowl. Sprinkle the rub over the loin. Press gently so the rub sticks to the roast. Wash your hands after handling the raw meat. Heat the remaining 1 tablespoon vegetable oil in a large skillet over medium high heat. Add the loin. Brown the sides of meat. Turn after about 2-3 minutes per side. Transfer the pork to the center of the pan with veggies. Bake for about 40 minutes. A meat thermometer should read 145 degrees. Check the temperature after 30 minutes in the oven. Remove from oven. Let set for 5 minutes. Slice and serve. Serves 6.

Notes: Wash and cut potatoes and onion into chunks about the same size as baby carrots. Use a meat thermometer. Cooked pork can be pink even when the meat has reached a safe temperature. For safety and quality, allow meat to rest for at least three minutes before slicing. Nutrition Facts: Serv. size: 3 oz. meat and 1 cup vegetables. Amount per serving: Calories 225; Total Fat 10g; Sat. Fat 2g; Trans Fat 0g; Cholesterol 44mg; Sodium 171mg; Total Carbohydrate 19g; Dietary Fiber 3g; Total Sugars 6g; Added Sugars included 1g; Protein 16g; Vitamin D 0 IU; Calcium 39mg; Iron 1mg; Potassium 597mg. Source: Iowa State University Extension. Spend Smart. Eat Smart

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Donating Safe and Nutritious Food to Food Pantries

By Nancy Nelson, Agent Meadowlark Extension District, Family Life

Our country has an abundance of food, yet many people in the U.S. still suffer from food insecurity. In fact, it is estimated that 30 to 40 percent of the food supply is not available for human consumption with 31% food loss at the retail and consumer levels.

When donating to a food pantry or food bank, it is important to not just "clean out your cupboard" and donate the foods that you don't want or can't use anymore. Food pantries also do not want to waste food, but do not want to provide unsafe or unhealthy food to their customers either.

Cash donations are also greatly appreciated by food banks and food pantries. They can buy the items most needed by their clients and will not have to take the time to sort and move donated items.

A frequently asked question on the topic: Can I donate "expired" food? Do NOT donate food that is past its "best by," "use by," or "sell by" date. It may take a while for the food to actually get on the food pantry shelf and then to the consumer.

When donating, try to donate foods that would

fill a healthy and safe plate. Fruits: canned in light syrup or juice; dried: peaches, apple-sauce, raisins, fruit cocktail, apples, pineapple, oranges, cranberries, pears, 100% fruit juice.

Vegetables: low sodium canned: corn, peas, carrots, beets, green and wax beans, mixed vegetables, sweet potatoes/yams, tomatoes and tomato sauces, soup.

Healthful grains: whole-grain crackers, brown rice, whole grain pasta, whole-grain breakfast cereal, whole wheat flour, cornmeal, oatmeal, granola bars.

Protein foods: canned or dried beans: kidney, navy, garbanzo, pinto, great northern, black; canned tuna or salmon (water packed), canned chicken; nuts: walnuts, pecans, peanuts, almonds, and nut butters.

Dairy: nonfat dry milk, evaporated milk, and shelf-stable (UHT) milk. Contact your local food pantry to find out what other items they may need. Consider gluten-free, dairy-free, nut free items as well.

For additional information the publication, Donating Safe and Nutritious Food to Food Pantries and Soup Kitchens, MF3352, is available at www.bookstore.ksre.ksu.edu/pubs/MF3352.pdf



By Ashleigh Hett

These are a fun cookie to make, partly because you get to "dip" them into the icing a couple of times. Simple and easy to make, they won't last long in any household ... So it might be necessary to stash several away for yourself!

Old-Fashioned Iced Oatmeal Cookies

Cookies:

- 2 cups quick-cooking oats (or old-fashioned)
- 2 cups flour
- 1 tablespoon baking powder
- 1/2 teaspoon baking soda
- 1/2 teaspoon salt
- 2 teaspoons cinnamon
- 1/2 teaspoon ground nutmeg
- 1 cup butter, room temperature
- 1 cup brown sugar, packed
- 1/2 cup sugar
- 2 eggs, room temperature (or run under hot water for 30 seconds)

Icing:

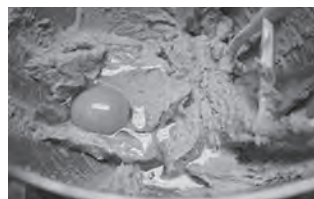
- 1 teaspoon vanilla
- 2 cups powdered sugar
- 3-5 tablespoons milk

Preheat oven to 350 degrees and line cookie sheets with waxed paper. Start by pulsing the oats in a food processor several times.

In a large bowl, combine the pulsed oats, flour, baking powder, baking soda,



salt, cinnamon, and nutmeg. Set aside. In the bowl of a stand-mixer, beat the butter on high 30 seconds. Add the sugars and beat until fluffy.



Add in the eggs, one at a time, beating until yolk just barely disappears into batter. Adding 1/3 of the flour at a time to the batter, mix well.



Drop the balls of cookie dough onto the lined cookie sheets and bake for 10 - 12 minutes or until bottoms are just starting to brown. Cool on cookie sheet for 2-3 minutes and then finish cooling on a cookie rack. When cookies are cooled, mix together the powdered sugar, milk, and vanilla for icing.



Dip the cookies into the icing (face down). Let the icing set-up and then dip them all again.



Let icing set-up again and store in an air-tight container.

Enjoy!

Ashleigh is a freelance writer and blogger for her website, *Prairie Gal Cookin'* (www.prairiegalcookin.com). She shares everything from step-by-step recipes to local history, stories, and photography from out on the farm in Kansas.

Follow PGC online or like it on Facebook for more recipes and ramblings!

To work with Ashleigh, contact her via email at prairiegalcookin@gmail.com

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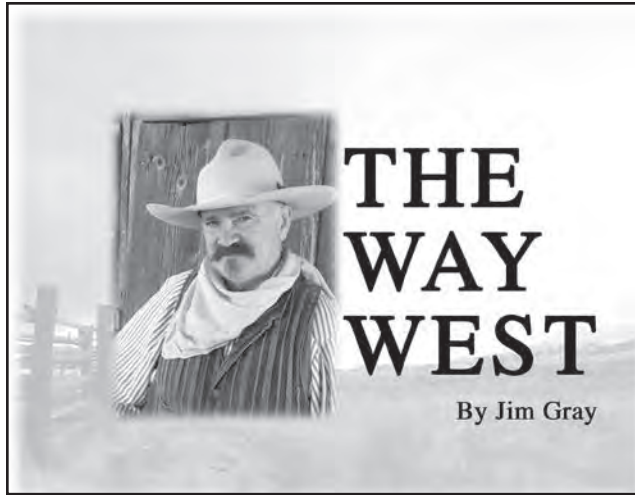
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Killing Big Pawnee

The Walnut Creek crossing on the Santa Fe Trail, east of present-day Great Bend, was recognized very early on as a significant location along the trail. Indians, freighters, and soldiers regularly camped on the banks of the Walnut. Wagon

trains and mail coaches were known to suffer attack from native horsemen descending upon the valley from the bluffs above.

The government designated the location for a military post in 1853, but abandoned the camp after

only one month of occupation. In 1857 William Allison and Francis Booth opened a trading post and mail station at Walnut Creek. The place was designated a U.S. Post Office and commonly known as Allison's Ranch. The mail was carried between Independence, Missouri, and Santa Fe, New Mexico. Stage coaches pulled by a six-mule team provided transportation, as well as mail service. A new contract with the government required the company to shorten travel time from twenty days to fifteen days. Provisions, arms, and ammunition were provided to travelers by the Kansas Stage Company of Hockaday & Hall. Jacob Hall was well-known for his efforts to further the stage business on the plains. The fare was \$125 in summer and \$150 in winter.

From Walnut Creek to Fort Union, New Mexico, lay a desolate trail with no relay stations to support stage operations. To meet the shortend schedule the Kansas Stage Company requested an additional mail station at Pawnee Fork, thirty-five miles west of Walnut Creek. Jacob Hall attempted to establish the mail station at Pawnee Fork in the spring of 1859, but Kiowas and Comanche leaders objected to any new stations

west of Walnut Creek. Hall abandoned the attempt in the face of threats to kill anyone sent to build the station.

With the assurance of military protection Hall was able to resurrect his plans. Seven supply wagons and a team of contractors were sent to build the station on September 22, 1859. However, the troops were recalled to Fort Riley before construction of the mail station was completed. The government had been trying to negotiate peace with the Comanche-Kiowa people and a great number of them were gathered near Allison's Ranch at the time.

On his return to Fort Riley, Captain W. D. DeSaussure, in command of the First Cavalry, interviewed several Kiowa chiefs and one Comanche leader as he passed by Allison's Ranch on Walnut Creek. Although he was abandoning the construction crew at Pawnee Fork, DeSaussure told the chiefs that the mail station was under the protection of the army. He expected no interference. The chiefs assured DeSaussure that they wanted peace. Having made his point, DeSaussure resumed his march to Fort Riley, arriving at the Cow Creek crossing on September 20th.

However, DeSaussure

was surprised to receive an express message carried by courier the next day. Two Kiowa chiefs influenced by liquor had attacked Rickman and Flournoy, employees at Allison's Ranch. The drunken chiefs, Satank and Big Pawnee, were driven back without casualty, but concern was high that they were about to be attacked by a large force of warriors. Two companies of cavalry were sent back to Allison's Ranch under the command of Captain W. T. Walker.

Walker arrived the morning of September 22nd just in time to arrest Big Pawnee who had returned alone to the ranch. Lt. George Bayard was directed to place Big Pawnee under close watch. While the guard was being arranged Big Pawnee rushed his iron grey warhorse and charged off across the prairie before anyone could stop him. Bayard followed in quick pursuit, calling "Pawnee! stop! friend! friend!" Bayard recalled, "I... repeatedly offered him his life if he would stop, but he would not." Bayard fired his pistol over Big Pawnee's head, but still no intention to stop was shown. He tried to cut the warrior off, but he veered away and kept riding hard. Exasperated and determined not to let him escape Bayard finally shot Big Pawnee through the

back, the ball "coming out of the breast." In spite of the mortal wound Big Pawnee rode another two hundred yards before falling from his horse.

Killing Big Pawnee brought widespread death to the Santa Fe Trail. Twenty lives were lost in scattered attacks over the next six weeks. A post at Pawnee Fork was now imperative if mail and passengers were going to get through. "Camp on Pawnee Creek" was occupied on October 22nd, re-establishing military control over the region. Regular service was returned to stage travel. With an expected war looming on the horizon Camp on Pawnee Creek was designated Fort Larned. The country was scoured for hostile warriors. As the U.S. government pressed ever forward the majority of clashes were initiated by the army 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. Contact Kansas Cowboy, P.O. Box 62, Ellsworth, KS 67439. Phone 785-531-2058 or kansascowboy@kans.com.*

KanEquip to close Clay Center location

On September 19, 2017, KanEquip announced the closing of its Clay Center location. "This has been a difficult decision because it affects many people that we care about," said Craig Goff, general manager. Most directly it impacts the employees at the Clay Center location. It also affects KanEquip customers, their industry partners, other KanEquip locations and the local community.

The Clay Center store will be open until October 20, 2017. Up to this date, the parts department will be open and available for fall harvest needs. Following October 20, a parts drop at the location will be available.

KanEquip is a strong and stable organization that plans to continue providing service to its Clay Center customers through the surrounding locations. "KanEquip's goal is to provide high quality service to our customers through our existing facilities," says Bryndon Meinhardt, regional manager. The locations that are best situated to assist these customers are Marysville, Wamego, Herington and Ellsworth.

KanEquip is working with its manufacturers and suppliers to continue supporting agriculture in the area. Customers in the Clay Center area will continue to have the benefit of the full KanEquip team; team members at the Marysville, Wamego, Herington and Ellsworth locations are prepared to assist them with their farming and ranching needs. The recently increased capacity and capabilities at both the Wamego and Herington stores position them well for this task. Increases in the service fleet at Herington and Marysville will also help meet the farmer's needs.

Customers with questions can contact KanEquip at 785-456-2083 ext. 174 or can email claycenter@kanequip.com.

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AROUND KANSAS



Gil Alexander has passed away and the entire state mourns his loss.

On an episode of *Around Kansas* a couple of years ago, I shared Gil's story of having been the recipient of a donated kidney. Since then, Gil and his donor Rob Robinson have become friends of mine and I have been in almost constant contact with them both. We plan to re-air that segment on *Around Kansas* on October 4.

Gil was such a generous gentleman, a man who loved his family and community, and was so proud of his heritage. He was proud to work the same ground owned by his great-grandfather, Sam Garland, born a slave in Mississippi and later a Buffalo Soldier on the High Plains.

The story of how Gil and Rob came together and their shared legacy is so important, so desperately needed today. Rob was a good ol' boy from Mississippi who just wanted to hunt on Gil's land. When he came back later and wanted to camp in Gil's yard while he hunted, Gil admitted to me that he couldn't recall Rob's name but he sure remembered the accent – an accent he wasn't sure he trusted.

Eventually, Gil invited Rob into his home and when Rob realized that Gil was on dialysis and waiting for a kidney, Rob offered his. Gil laughed, but Rob insisted, "No, God told me I was giving you a kidney."

And so he did.

The two have become champions of organ donation. They have been messengers of hope in the midst of lost causes.

When Rob invited Gil to meet his family in Mississippi, again, Gil was hesitant. One white boy was one thing – but a whole community in the once-segregated South? How would that go? It went well. Gil had become, after all, a member of their family, too.

Gil told me that when he crossed the stateline into Mississippi he recognized the name of the county where his great-grandfather had escaped slavery. How could he not feel as if he had come full circle, as if some higher power had been at work through the years, across the lifetimes that had brought Rob and Gil back together?

Gil asked Rob to take care of his black lab, Tug, and Rob told me he would like to make Tug a service dog so that he can take Tug wherever he goes and share the incredible story of how a black farmer from Kansas and a white fireman from Mississippi became family.

As Gil and Rob both said many times, only God can write a story like that. Rest in peace, Gil. Rest in peace.

Deb is the cohost of Around Kansas TV show, the weekly feature of AGam. Find them online at aroundkansas.com and on Facebook. Contact Deb at author.debgoodrich@gmail.com.

Dairy processors stretched by milk production gains

Every year, U.S. dairy farmers produce three billion more pounds of milk than the year before. For the past few years, production growth has outpaced processing capacity growth and dairy processors are struggling to keep pace, according to a new report from CoBank's Knowledge Exchange Division.

As a result, "Dairy processors are faced with the challenge of handling an ever-growing milk supply, while anticipating the right product mix to meet consumer demand," said Ben Laine, senior dairy economist at CoBank. "An additional 27 billion pounds of U.S. milk processing capacity will be needed over the next ten years if current trends persist."

Numerous new plants and plant expansion projects are under way or recently completed, but available capacity remains a challenge at times – especially in the northeast and midwest areas – and has strained the ability of dairy cooperatives to fill the role of market balancers. Since these co-ops largely bear the brunt of the near-term oversupply of milk, they are increasingly looking for ways to discourage producers from expanding production.

Meanwhile, recent lower milk prices have led to lower input costs for processors, strengthening balance sheets and opening the door to expansion opportunities,

said Laine. "In some cases, this may mean upgrading existing, aging facilities, while in other instances it may mean new plant projects," he said.

Growth Opportunities?

Many dairy cooperatives and some independent processors have focused on building and expanding milk powder processing plants. These newer, large-scale plants are better able to meet international demand and position companies for export market competitiveness. These plants have been popular in California and the Southwest.

Conversely, without updates, some of the mid-size aging commodity plants, those that produce butter and nonfat dry milk, will struggle when competing against more modern powder plants, said Laine.

Although U.S. consumers' fluid milk consumption has been slowing, investments are occurring in fluid milk bottling plants to process specialty products like organic milk and extended shelf-life products or to upgrade and replace existing, aging infrastructure.

Recent expansions of cheese-making plants – which have the potential to handle much more substantial amounts of milk than other processing plants – have been completed in the Southwest. And new plans for cheese plant expansions in the Upper Midwest are expected to relieve some of the region's recent capacity

constraints once they come online.

Increasingly, cooperatives are setting their sights on cheese plants as opposed to commodity balancing plants, and are looking to joint ventures as a means to do so, according to the CoBank report.

In addition, many international companies are looking for ways to establish a U.S. manufacturing footprint to gain access to the U.S. milk supply for what is expected to be long-term growth in global demand.

"There have been international partnerships and joint ventures for years in the industry," said Laine. "But the interest seems to be gaining momentum."

Processor Outlook

U.S. milk production shows no sign of slowing, but that growth will not be sustainable unless processing capacity is able to keep pace. Similarly, the expansion of processing capacity will not be sustainable unless there is consumer demand to back it up.

Finding the proper supply and demand balance as processor capacity is built will be a challenge and will likely cycle through periods of near-term surplus and shortage, according to the report.

Processors will need to stay focused on the consumer, whether domestic or international, and form partnerships as needed to meet demand. "At times of surplus milk, the need for added processing capacity in any form seems critical, but for the long-term health of the industry, the focus should be on building the right type of capacity to meet growing global demand," concludes Laine.

A brief synopsis of the report, "Dairy Processors Race to Keep Pace with Milk Production" is available on the CoBank YouTube channel. The full report is available on the CoBank website.



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TOTAL LIQUIDATION AUCTION

SUNDAY, OCTOBER 1, 2017 — 1:00 PM
LOCATION: 401 Main Street — SENECA, KS 66538

TRAILERS: 2010 Doo Little cargo trailer, 7'x16', tandem axle, good rubber; 2003 H&H car trailer tilt floor, 7'x20', new rubber.

TOOLS & EQUIPMENT: Red Devil two can paint shaker; electric cash register; Old National cash register; 2 metal office desks; fax machine; Brother copier; 10 lb. hanging scale; 2 horse power portable air compressor; bicycle repair rack; 10" DeWalt radial arm saw; 10" Craftsman radial arm saw; 10" Delta table saw; Dayton 6"x9" belt disk sander; 3" transfer pump with gas engine; 10,000 BTU window air conditioner; Century safe, Model 1330; 3 battery chargers; high speed grinder; vise; 2 lawn mower ramps; key duplicating machine; air bubble; battery testers; 3 utility carts; leaf bagger and vacuum; Lawn Boy push mower; King Cooker Smoker; (2) 2'x4' sub floor cement board; 2 wall mount desks; 3 metal file cabinets.

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Kansas companies participate in trade mission to China

The Kansas Department of Agriculture led a trade mission to China in August 2017 to provide an opportunity for Kansas small businesses to research new markets. Chase and Celine Larson of Grandpa's Best Hay LLC in Belleville, Mike Kasl and Adam Robertson of Best West Fabrication in Belleville, and Will Henry and Michael Cheng of Extru-Tech Inc. of Sabetha joined KDA staff members Suzanne Ryan-Numrich, international trade director, and Lynne Hinrichsen, agribusiness development director, on the trade mission. The purpose of the mission was to attend Petfood Forum China and participate in the trade show at Pet Fair Asia. In addition to participating in the trade

show, the delegation had meetings with the Agricultural Trade Office of the U.S. Department of Agriculture where the team gained useful insight on industry issues in the China market. "Valuable lessons were obtained from this trade mission to China. Grandpa's Best found a lively market in Asia with opportunities to form long-term, trusting business relationships — the kind only face-to-face dialogue can give," said Larson. "Our team is grateful for the chance to have made a lasting presence in a region full of great opportunities."

Global trade is a key economic engine of U.S. agriculture and rural America, including Kansas. China is one of the state's top five



Kansans spent a week in China this August on an agricultural trade mission to expand export market opportunities. From left: Lynne Hinrichsen, KDA; Chase Larson, Grandpa's Best Hay; Celine Larson, Grandpa's Best Hay; Suzanne Ryan-Numrich, KDA; Adam Robertson, Best West Fabrication; Mike Kasl, Best West Fabrication.

trade partners, and in 2016, Kansas exported over \$207 million in agriculture commodities to the Chinese market. "In China, guanxi — or relationships — are key. This trade mission allows us to provide Kansas companies not only the chance to explore market opportunities but also the opportunity to start building relationships with potential trade partners," said Suzanne Ryan-Numrich. "The Chinese market can be challenging but it offers a lot of potential for those willing to put in the effort." The trade mission was funded in part through a cooperative agreement with the U.S. Small Business Administration using a State Trade Expansion Program (STEP) grant.

Kansas awarded \$380,000 in grant funding to expand exports

The Kansas Department of Commerce and the Kansas Department of Agriculture have been chosen by the U.S. Small Business Administration as recipients of SBA's State Trade Expansion Program (STEP), which will be used to provide much-needed export assistance to Kansas small

and medium-sized businesses. Since 2012, more than 50 Kansas small businesses have achieved \$17.2 million in export sales through STEP programs. The Kansas Department of Commerce, which administers the distribution of STEP funds in Kansas, is currently accepting applica-

tions from small businesses to assist them in starting or growing their exports. The Commerce programs will help businesses to begin exporting for the first time or expanding their existing export business. "It's a vast world out there, which provides enormous opportunities for Kansas businesses," said interim Kansas Commerce Secretary Nick Jordan. "There is a worldwide market for Kansas products and these STEP grants allow the Department of Commerce to assist small businesses across the state with starting, maintaining and growing their export business."

"The international market is critical to growing the Kansas agriculture industry," said Kansas Secretary of Agriculture Jackie McClaskey. "Kansas agriculture is always ready to become highly engaged in export markets, and this grant will allow us to explore emerging markets for Kansas agricultural products." Kansas exported nearly \$3.6 billion in agricultural products in 2016.

Programs offered through the STEP Grant include: Export seminars and training courses Opportunities for participation in foreign trade shows and missions Support for entering new markets For the current grant year, SBA has awarded Kansas \$380,000 in STEP funding. Commerce is administering the grant in tandem with the Kansas Department of Agriculture. Businesses that wish to apply for support or are interested in learning more should visit KansasCommerce.gov/STEP.

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Heartland team gets firsthand look at U.S. pork and beef's largest market

A delegation of producers and agricultural leaders from several states recently visited Japan to get a firsthand look at how the support they provide to USMEF helps grow demand in the leading value market for U.S. beef and pork.

USMEF also marked the 40th anniversary of its office in Japan during the trade visit.

The USMEF Heartland Team was made up of beef, corn and soybean producers and industry representatives from Idaho, Iowa, Kansas, Kentucky, Nebraska, Michigan, Minnesota, South Dakota and Texas. Along with retail and foodservice visits, the team attended a briefing at the U.S. embassy and took part in consumer events in Tokyo and Osaka that promoted U.S. beef and pork.

Throughout their week-long mission, team members attended meetings with major Japanese food importers – including Hanan, TI Corporation, Marudai Foods and Zensho, the largest foodservice company in Japan.

During retail and foodservice visits, the Heartland Team was impressed by USMEF's promotional activities and the level of respect it has earned from industry partners.

"The promotions for U.S. beef and pork in Japan were very interesting and seeing how USMEF works in the market to grow demand for red meat makes it really clear that we are getting very good use out of our checkoff dollars," said Gene Stoel, a corn and soybean producer from Lake Wilson, Minnesota, who is a Minnesota Soybean Research and Promotion Council director. "Bringing this team of producers to the market was important, because people in Japan really want to know where their food comes from. It's also important that we, as producers, see what is happening in the market, meet our customers face-to-face and share our story."

Ray Allan Mackey, a Kentucky corn and soybean producer and board member for the Kentucky Corn Promotion Council, was joined

on the Heartland Team by Kentucky Agriculture Commissioner Ryan Quarles and Dave Maples, executive vice president of the Kentucky Cattlemen's Association.

"Our purpose is to observe the activities of USMEF and the way they present U.S. beef and pork to consumers and buyers, so we might introduce a high-quality product to folks here in Japan," Mackey said. "We hope to increase sales and encourage families to include American products in their diet."

Jerry Maier, a corn and soybean grower from Eagle Grove, Iowa, and director for the Iowa Corn Growers Association, said he was pleased with the work USMEF does at the retail level, as well as the reaction Japanese consumers have to U.S. beef and pork.

"What I learned on the visit to Japan is how the shoppers in the retail stores there value corn-fed, soybean-fed, high-marbled

beef and pork," said Maier. "There is big competition from all the other countries, but the one thing the Japanese people keep coming back to is the flavor of the U.S. beef and pork. It is superior to just about everything they get. We were at two large supermarkets and watched shoppers stopping and picking up the American cuts of meat."

Maier also noted the reaction of Japanese consumers to the delegation of U.S. producers. "The Japanese people really appreciate the fact that we take the time to come there and experience the market," he said.

The team was able to meet hundreds of Japanese food buyers and share the story of U.S. beef and pork production during a pair of USMEF trade seminars for importers, distributors and other key industry contacts. The first seminar was at the Miyako Hotel in Amagasaki. The second seminar, held at the Prince Park Tower Hotel

Tokyo, included a tasting session that allowed seminar participants to sample U.S. beef and pork dishes.

"The trade seminar was very impressive, with over 900 participants who are buyers of our products," said Wanda Blair, a cattle producer from Vale, South Dakota, who serves on the USMEF executive committee.

Blair, who also serves as vice president of the South Dakota Farm Bureau, was making her first visit to Japan.

"There was a tasting session afterward," she explained. "I was amazed, first at the number of people who wanted to come, and second at the respect they have for the USMEF and its staff."

While first-time visitors to Japan were able to witness how USMEF approaches the work to promote U.S. beef and pork – along with how U.S. products move through the import network to consumers – team members who had previously visited Japan were amazed at the growth.

"The thing that surprised me most was the growth and interest in U.S. meat," said Nebraska Corn Board member David Merrell, a corn and soybean producer from St. Edward, Nebraska, who last visited Japan in 2007. "Pork and beef have both taken huge strides, and something that's also been a big change is that there's a lot more interest in thicker cuts. Every buyer that we talked to was very positive about the U.S. product. They really enjoyed it, and thought it was a superior product."

Merrell echoed the sentiments of Stoel, emphasizing the value of personal contact with Japanese consumers.

"Whenever we go on international trips, we always need to tell our story, tell the people, the buyers, where their meat comes from so that they have a lot of confidence in what they're eating," he said.

Other members of the USMEF Heartland Team were: Bill Lickley, Idaho Beef Council; Cale Buhr, Charles Knipe, and Leon Dorn, Nebraska Soybean Board; Jay Reiners, Nebraska Corn Growers Association; Chris Abbott, Nebraska Beef Council; Dennis McNinch and Greg Krissek, Kansas Corn Commission; Kenlon Johannes and Lance Rezac, Kansas Soybean Commission; Richard Wortham, Texas Beef Council; Eldon White, Texas and Southwestern Cattle Raisers Association; Patrick O'Leary and Gene Stoel, Minnesota Soybean Research and Promotion Council; Mike McCranie, South Dakota Soybean Research and Promotion Council; Theresa Sisung, Corn Marketing Program of Michigan.



Taking first place and a \$700 prize in the steer division of the live stocker show at the Flint Hills Beef Fest was Arndt Farms, Michael and Steven Arndt, Emporia.



1st Place heifer - \$700 - Pen 14 - F.J. Redeker and Son, Francis and Tony Redeker, Olpe, won the \$700 prize for the first place heifer at the Flint Hills Beef Fest in Emporia. Pictured are Tony Redeker, Flint Hills Beef Fest President-Elect Joan Olson and Francis Redeker.

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 Lot 62 - PB Angus - Jan '17 KCF Bennett Absolute x Woodhill Foresight	 Lot 24 - 1/2 SM 1/4 AN 1/4 AR - Feb '16 TJ Power Grid x LCC Cheyenne Due February to CDI North Dakota	 Lot 26 - 1/2 SM 1/2 AR - Feb '16 Brown JYJ Redemption x Shear Force Due Feb. to WS All Aboard

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Hesston by Massey Ferguson introduces WR9900 Series self-propelled windrowers

Hesston by Massey Ferguson®, the industry-leading hay equipment brand from AGCO Corporation, introduced the company's next generation of self-propelled windrowers during Farm Progress Show 2017. Designed to deliver more horsepower and throughput capacity, the Hesston by Massey Ferguson WR9900 Series offers four new models, all with the power and capability to operate 9200 Series auger and disc headers and the new 5400 Series draper headers. The WR9900 Series replaces the WR9800 Series and includes the WR9950 (160 HP), WR9960 (197 HP), WR9970 (235 HP) and WR9980 (265 HP) models.

"The design and features

of the new WR9900 Series were driven by what hay producers and custom forage harvesters told us they wanted in a windrower — increased performance, power and comfort," says Shaun Allred, tactical marketing manager for hay and forage products at AGCO. "In response, we developed the new 265-HP model WR9980, our most powerful windrower yet. It can easily handle heavy crops such as thick grass or winter forage without the inconvenience of a larger wheelbase, added compaction-causing weight or overall dimension."

Power is the watchword for the new windrowers, and it begins with engines optimized specifically for use in these windrowers. The

WR9950 and WR9960 are equipped with the AGCO Power™ 4.9L four-cylinder diesel engines, while the WR9970 and WR9980 are powered by the AGCO Power 7.4L six-cylinder diesel engines.

Providing the power for cutting the crop is a new hydraulic system that delivers a 20 percent increase in available flow to 16-foot headers, increasing the performance and throughput, especially in heavy crop conditions. A new, larger tandem hydraulic pump delivers additional hydraulic flow to the header, and new, larger hydraulic motors on the 16-foot disc header delivers that power to the cutterbar and conditioner rolls. In addition, the hydraulic oil cooler is now larger to accommodate the increased hydraulic capabilities of the new WR9900 Series.

Cab designed for ultimate comfort, superior ride

Features that help reduce fatigue and increase efficiency were a close second on operators' wish lists. "Getting hay harvested ahead of adverse weather is a common challenge and often means long hours in the field," says Allred. "Adding more safety and comfort features to make them easier to operate was extremely important when designing the new WR9900 Series windrowers."

To meet this request, the WR9900 Series windrowers feature AGCO's exclusive VisionCab™ that delivers improved visibility, greater comfort, a smoother ride and then some. The cab is spacious, with a large, curved windshield for better visibility of the header

and field. The tinted rear window cuts heat from the sun and reduces reflection on the monitor screen. Overall, the cab has a 130-square-foot interior; 77 total square feet of glass; and 33 square feet of glass in the curved windshield.

Operators also will appreciate an air conditioning system with 50 percent greater cooling performance than AGCO's previous windrowers, foot pegs for greater comfort, Bluetooth® capability with USB plug-in to charge phones or other handheld devices, and a new step platform outside the cab that makes it easier and safer to step onto the header. A front windshield wiper with a wash-function helps operators maintain a clear view for safe and accurate operation when field conditions are particularly dusty.

Other features in the new WR9900 Series are now standard equipment, including automatic climate control and an air-ride cab suspension system with shock absorbers that limits vibrations to reduce operator fatigue. The unique deluxe, semi-active air-suspension seat moves side to side, and fore and aft for a smoother ride, especially when operating at faster field speeds, on pivots, along borders or in rough field conditions.

Improved performance and greater versatility

The WR9900 Series features two different engines that enable all four models to run either rotary or disc headers. The WR9950 and WR9960 are powered by the AGCO Power 4.9L four-cylinder diesel engine, while the WR9970 and

WR9980 are powered by the AGCO Power 7.4L six-cylinder diesel engine. All engines are designed for ag and optimized specifically for the windrower to provide greater horsepower within the operating range. All models are capable of operating draper, auger or rotary headers. The WR9950 is designed to operate a 13-foot disc header, and the remaining three models can be equipped with either a 13- or 16-foot header.

The new series also is equipped with the V-Cool™ system and an auto-reverse fan that eliminates the need for rotary screen cleaners to remove dust and chaff from the radiator screen. GlideRider™ rear-axle suspension transfers load to the main frame, so bounce is reduced and comfort is increased even at higher field speeds. Other features of these new windrowers include an industry-exclusive hydro handle with up to 16 programmable functions featuring the operator's preferred configurations and a responsive, electro-hydraulic steering system for precision control and maximum comfort.

Operators have the option to select the C1000, a simple, easy-to-use icon-based monitor, or the C2100, a 12.1-inch full touchscreen monitor that allows operators to view both the machine functions and the guidance settings on the same screen.

Optional features

Several additional features are optional on the WR9900 Series, including:

- electronically adjustable mirrors so operators can adjust them from the

cab seat,

- hydraulically driven reel on auger headers,
- new high-visibility LED lighting package for improved vision when working into the night,

RearSteer™ system, a Hesston exclusive that uses fully active hydraulic cylinders for true rear steering, giving operators steady steering and driver comfort at much higher road speeds, especially when towing a 5400 Series draper header, and Hesston's exclusive TwinMax™ advanced conditioning system that double-crimps the stems, reducing drying time while allowing leaves to stay healthy and whole, retaining their vital nutrients.

"For nearly 70 years, Hesston has been the industry leader in windrower production by developing cutting-edge technology and innovative windrowers that deliver quality hay faster, more efficiently, with greater precision, less fatigue and lower operating costs," says Allred. "This new line of windrowers is another benchmark product offering that delivers on AGCO's promise of bringing only the best possible products to market. The machine performance combined with the service commitment from the company's network of dealers makes the WR9900 Series a complete package."

The four new windrower models also are available from Challenger®. For more information about hay equipment, including the new WR9900 Series self-propelled windrowers, or to find a dealer near you, visit masseyferguson.us or challenger-ag.com.

USMEF conducts U.S. beef and pork events in Mexico, Guatemala

Sharing the versatility and advantages of U.S. beef and pork with importers and foodservice managers in two important markets, USMEF recently conducted a cutting and cooking seminar in Tijuana, Mexico, and participated in the Alimentarte Food Show in Guatemala. Both efforts, which were designed to set U.S. beef and pork apart from competitors' products, were funded by the USDA Market Access Program (MAP), the Beef Checkoff Program and the Pork Checkoff.

The seminar in Tijuana consisted of a cutting demonstration of U.S. beef

and pork primal cuts that have potential to achieve significant increases in consumption in the Tijuana area, according to Oscar Ferrara, USMEF regional director for Mexico, Central America and the Dominican Republic.

USMEF meat consultant Luis Pachuca discussed the cuts and how they can be used to fulfill the particular needs of foodservice menu planners.

"Chef Pachuca showed participants how to obtain portion cuts out of primals such as shoulder clod, top sirloin and pork loin," explained Ferrara. "He also

demonstrated preparation techniques for both boneless and bone-in pork loin and pork chop steaks. He showed participants how to derive a number of steak cuts such as sirloin cap steaks and sirloin butt center cut."

Participants tasted the dishes prepared with the cuts featured in the demonstration. In the cooking portion of the seminar, USMEF Chef Emilio Carranza taught participants how to prepare U.S. beef brisket and U.S. pulled pork and talked about grilling American-style steaks.

In Guatemala, USMEF

chef German Navarrete addressed more than 80 people from the region's foodservice industry at an event held in conjunction with the Alimentarte Food Show.

"Our objective was to educate buyers and managers about U.S. beef and pork, the U.S. red meat grading system and trends in cuts and preparation of red meat dishes," said Ferrara. "Chef Navarrete spoke about the U.S. beef and pork production process and food safety regulations. He also spoke about cold chain management and the correct process for freezing and defrosting the product. He completed his talk by explaining new trends in beef and pork cuts and ways of preparing the dishes to add quality and variety to restaurant menus."



Taking 1st Place and a \$700 prize in the Grass Futurity Steer division at Flint Hills Beef Fest was Pen 73 with a gain of 2.757 pounds per day, owned by Loomis Ranch, Council Grove. Pictured are Flint Hills Beef Fest President-Elect Joan Olson, Jason Loomis and Justin Loomis.

PERSONAL PROPERTY AUCTION

SATURDAY, SEPTEMBER 30 — 10:00 AM

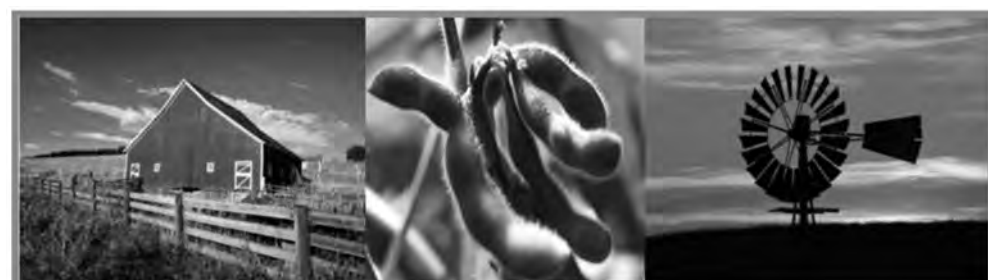
AUCTION LOCATION: 2343 U Road — STRONG CITY, KS 66869

SELLER: Property of SUE SCHWILLING & The Late WAYNE SCHWILLING

AUCTIONEER'S NOTE: Sue and Wayne have lived on the ranch for many years. Wayne was an automotive air conditioning and electrical mechanic for 55 years. Wayne also enjoyed woodworking. Sue will no longer be involved in the ranching and is liquidating all the equipment and Wayne's tools. Come enjoy the day, there is older unique equipment you don't see often, plus lots of salvage iron and equipment!
TRACTORS, VEHICLE & MOTORCYCLE, EQUIPMENT, SAW MILL & LUMBER, TOOLS & SHOP, ANTIQUES & COLLECTIBLES

See last week's Grass & Grain for listings & go to www.griffinrealestateauction.com for listing & pictures!

RICK GRIFFIN Broker/Auctioneer Cell: 620-343-0473	Griffin Real Estate & Auction Service LC
CHUCK MAGGARD Sales/Auctioneer Cell: 620-794-8824	305 Broadway Cottonwood Falls, KS 66845 Phone: 620-273-6421 • Fax: 620-273-6425 Toll Free: 1-866-273-6421 In Office: Nancy Griffin, Heidi Maggard Email: griffin123r@gmail.com www.GriffinRealEstateAuction.com



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2,007.6 ACRES SMITH COUNTY, KANSAS ABSOLUTE AUCTION

THURSDAY, NOVEMBER 9, 2017 — 10:00 AM

FRANKLIN, NEBRASKA

Auction to be held in the Ag Building at the Franklin County Fairgrounds (from Hwy. 10 and J Road in South Franklin, 1 mile West).

Lovell Ranch

- * Exceptionally well-located next to KS Highway 8, 7 1/2 miles South of Franklin, NE.
- * An outstanding contiguous unit with 262 acres of cropland, the remainder grassland with areas of natural habitat plus a building site.
- * Can be purchased in its entirety or as 3 tracts, 1,084.4 acres, 620.3 acres and 302.9 acres.
- * Excellent water — 6 electric wells, 13 dams plus wet springs.
- * Ownership has remained in the same family for 3 generations — this is your opportunity.
- * Selling at Absolute Auction to the highest bidder(s) regardless of price!

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& details at marshallauction.com

Contact Miles Marshall

"The best investment on earth is earth"

Farm Credit Services of America and Frontier Farm Credit announce president and chief executive officer

Farm Credit Services of America (FCSAmerica) and Frontier Farm Credit named Mark Jensen as incoming president and chief executive officer of the customer-owned financial cooperatives. Jensen, the Associations' chief risk officer, will assume his new role on November 1, 2017. He succeeds Doug Stark, who is retiring.

Jensen joined FCSAmerica in 1992 and has held senior vice president positions with the Association for the past 16 years. He was named senior vice president-chief risk officer in 2013. Jensen was instrumental in modernizing FCSAmerica's credit process and implementing an enterprise risk manage-



ment framework, and today provides executive leadership of the Associations' risk management, credit and appraisal teams. He graduated from the University of Nebraska-Lincoln with a degree in agricultural economics.

Mill Creek Cowboys to host 30th anniversary ranch rodeo October 7

The Mill Creek Cowboy's Association will host the 30th anniversary Mill Creek Ranch Rodeo on Saturday, October 7 at the arena in Alma beginning at 2:00 p.m. The arena is located north of the Wabaunsee County Fairgrounds. There is no admission fee for spectators. Concessions will be available. The event will feature 16 ranch teams from across the region competing for the best scores in cattle handling, horsemanship and teamwork plus the fastest times in four events—branding, sorting, doctoring and trailer loading. The winning team will earn cash prizes and receive an invitation to the Flint Hills Beef Fest Ranch Rodeo in August 2018. Event sponsors include: Zoetis Animal Health; Nextgen's Chophouse; Select Sires; Nutrena from Cargill Animal Nutrition; Salt Creek Supply Silencer Chutes; Wertzberger Ranch Equipment; Bank of the Flint Hills; Better Horses Radio Show; Stockgrowers State Bank; Flint Hills Leather; Salty Cow Mercantile; Hold 'Em Fence Company; Russell Cattle Co. & Supply and Wabaunsee County Cattlemen's Association. Additional event information can be found at www.facebook.com/MillCreekCowboys.



In the Grass Futurity heifer division of the Flint Hills Beef Fest competition, receiving first place and a \$700 prize with a gain of 2.415 pounds per day, was Pen 4, Fredonia Livestock Auction – Don & Carole Haun, Fall River. They are shown with Flint Hills Beef Fest president-elect Joan Olson.

AgriMAXX Wheat expands into Central Plains and launches new high-performance wheat

AgriMAXX is expanding. The Illinois-based, independently owned and operated seed company has become renown for developing specifically adapted, high-performing soft wheat varieties across the eastern half of the U.S. Now, the company has announced its expansion into Kansas, bringing high-performance hard red winter wheat varieties and the benefits of the AgriMAXX program to growers in the Central Plains.

A close up of a plant

Matt Wehmeyer, vice president of AgriMAXX Wheat, said, "Over the last several years, we've experienced significant growth across the United States. Our focus on high-performance wheat continues to attract more wheat growers as they look to improve their wheat yields. This fall, we are very pleased to be offering Kansas growers AM Eastwood, a new, elite hard red winter wheat variety. AM Eastwood offers robust performance

and outstanding advantages in both yield and profitability. Growers are expressing very strong interest in this variety."

AM Eastwood has a wide adaptation east to west according to Wehmeyer. "It has a very good disease package including head scab resistance. It shows heavy test weights and very good grain quality."

AM Eastwood, a new hard red winter wheat offering from AgriMAXX, is now available for the Central Plains. He says the variety has earned its reputation through wide testing in university and independent trials. "Over the last three

years, AM Eastwood easily outperformed the most widely planted variety in Kansas. In the Kansas State Trials, it won first place in numerous locations and was firmly seated among the top ten performing wheat varieties across the state in multiple environments. That's pretty exciting for an early maturing variety."

Lance Tischauser, from Wilsey, conducted yield trials on his farm in addition to raising the seed production. "We were very impressed with AM Eastwood's performance. Its scab resistance is a real advantage. It has proven itself as a consistent performer in both high-yield

and low-yielding growing environments. We look forward to seeing more from AgriMAXX."

LAND AUCTION

SATURDAY, SEPTEMBER 30, 2017 — 10:00 AM
Golden Wheel Community Center, 114 S. Concord St.
MINNEAPOLIS, KANSAS

35.2 ACRES± OTTAWA COUNTY, KS LAND

1487 N 60th Rd., Minneapolis, KS. Small farm is approx. 35.2 acres, all in native grass. Small pond, two-bedroom home, outbuildings. **This property would make a great weekend getaway or a nice retirement home. Contact me with questions, Mark Uhlik, 785-325-2740.**

KATHRINE VASS, SELLER

See last week's GRASS & GRAIN for complete information!
For a VIRTUAL TOUR of this property visit
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Mark Uhlik – Broker/Auctioneer - 785-325-2740

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GRASS & GRAIN

grassandgrain.com

AUCTION

SUNDAY, OCTOBER 1, 2017 — 10:30 AM
Auction will be held in Kenwood Hall at the Saline Co. Expo 900 Greeley SALINA, KANSAS

ANTIQUES & COLLECTIBLES
Hoosier cabinet; oak side board; J C Sandberg Victor floor safe; pine buffet; corner cupboard; pine dry sink; walnut Cornish & Co. organ; organ chair; English serving table; cherry spoon carved chest; cherry commode; needle point rocker; oak glass ball parlor chair; Victorian needle point chair; Immigrant's chest; gun case; set walnut chairs; 2 camel back trunks; table top store showcase; child's rocker; cobbler's bench; captain's chair; pressed back chair; plank seat chair; pine work top cabinet; library table; point foot stool; tree hall tree; 7 high back ice cream chairs; oriental rug; duck rug; wire plant stands; **modern**

furniture: 2 marble top custom end tables; coffee table; Lane couch; wing back chairs; octagon curio cabinet; round table & chairs; high back chairs; massage chair; lounge chair; twin bed w/box springs & mattress; bar chairs; modern floor rugs; lounge; wall mirrors.

COLLECTIBLES

Daniel Parker "Winter on Fire Hole" coffee table; small brass cannon; Bronze's inc: Kelsey mountain sheep; bronze bear; duck bronze "Bayou Woody" Sandra Van Zandt; fish/lilly bronze; "Battle Gettysburg picture; Guy Coleleach Waterfowl print; assortment Wayne Willis prints; Terry Burelson print; Wayne Willis pheasant & turkey prints; Trails of Prayer Bev Do-

little print; several other pieces of art; stain glass duck; Michel Ricker pewter collection; Jerusalem wood egg; assortment pictures; leaded glass windows; Ricker Bartlett collectibles; Norman Rockwell plates; crystal glasses; Boehm Christmas china; gamebird plates; cut glass pieces; Lenox Boehm bird plates; Lladro Christmas bells; Spode Christmas china; pewter items; steins; assortment of other glass; kerosene lamp; turquoise jewelry; wall mirror; quilts; 2 shelf clocks; 30" bisque doll kid body; globe; wooden duck decoys; grain brass Boehner divider; brass spittoon; wrench display; parking meter; assortment of other collectibles.

Note: This a very nice collection from the Vanier home. The VANIER'S ARE DOWNSIZING; Check our web site at www.thummelauction.com for pictures.

JACK & DONNA VANIER

Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC
785-738-0067

AUCTION

SATURDAY, OCTOBER 7, 2017 — 10:30 AM

RAIN DATE: MONDAY, OCTOBER 2

Located at Bob's Auction Service House: From HERINGTON, KS 4 Way Stop of Hwys. 56 & 77, go East on 56 7 1/2 miles through DELAVAN, KS to 2500 Rd. and Tiffany Feedlot sign go North 1/2 mile.



STARTING AT 10:30 AM: TRAILER ITEMS, TOOLS

Log chains; forks, shovels, spades, axes, sledges, post augers, clam shell & more; 2 Handyman jacks; 20 and 12 ton bottle jacks and more; 2 Stihl chain saws, 1 with case; New Union 6-drawer tool box; 8 like new socket sets in metal cases; lots of wood and steel bits; tool boxes full of misc. hand tools; extension cords, rope and plastic 5 gallon buckets; Benz-o-Matic cut and weld torch; lariat and cattle syringes; buckets; empty plastic lick tanks; misc. new oil in quarts Cenex Oil; shop light on stand; Makita disc grinder; Ram 1/2" reversible drill; Eclipse table top vise; several open end socket sets.

COLLECTOR ITEMS

5 milk/cream cans; galvanized round tubs and buckets; Wheeline galvanized oval tub; galvanized canning jar lids w/rubber seals; galvanized windmill ladder parts; galvanized boiler, buckets, funnels, tool boxes, sprinkler cans, cups and dippers; large wall mount CI enamel sink; CI enamel bath tub w/feet; CI floor grate; ornate brass bed frame; Maytag wringer washer; Star Leader silver washer; Simmons Run Easy wringer; pine Windsor wood cook stove w/foot rest; Bridge Beach Co. wood heat stove w/foot rest; 3-burner Perfection stove; small

carry Perfection stove; Blazer B-B stove; 3-burner gas stove; L & H electric stove; IH refrigerator; nice Hereford saddle.

COLLECTIBLE WOOD ITEMS, ETC.

10+ solid core doors; set of side glass panels; 3 ornate screen doors; wood benches; wooden bolt and nail boxes; large wood Farmers Carry All tool box w/lid; large old wooden potato bin; 2 porch swings; 1 camel back and 4 flat top trunks; old dry sink; 2 wardrobes; pine Delco light battery container; cedar chest; rocker; oak square tilt top dining table; 10 ornate wood chairs; Kellogg hand crank wall phone; red and white checker board top kitchen table, chrome legs with 4 chrome leg chairs; porcelain top kitchen cabinet; marked Hoosier kitchen cabinet, Castle, Ind.; 5 old radio shells - Airlite, Philco and Crosley; kerosene lamps like Eagle, Rich Conn, Embury Air Pilot barn lanterns, Bright as Day, White Flame and Coleman lamps; BOOKS: Congressional Record of the 60th Kansas Congress Vol. 42, Part 1 through 8, 1907 to 1908; 2 books 1889-1891 of the First Report of Sec. of Ag.; 1936 State of KS Geography w/Pledge of Allegiance to the US Flag old version; Religious pictures; Folk Art: 2 Airplanes made of Bushel

Basket Parts; August C. Keebler mini wall cuckoo clock; Lee Hdw. Co. ledger, Latimer, KS; some misc. household items.

TRACTORS, PICKUPS, FARM & RANCH ITEMS

2002 Dodge Ram SLT 1500, 4x4, 5th wheel hookup, good rubber, 130,000 mi.; 3/4 ton 2500 model Chevy long bed pickup, 61,027 miles, 4x4; IH 666 gas wide front tractor, 4347 hours.; IH 656 gas narrow front tractor, 9513 hours with Swartz loader 5' bucket; 8x14' 2-wheel pin hitch trailer w/ winch and tilt bed; 2 4-wheel trailer running gears; frame and axle of old corn wagon gears; 7' 3 pt. PTO rotary mower; side delivery rake; 150 gallon pickup fuel tank with pump; like new 8' stock tank; 500 gallon water storage/haul tank; new roll Red Brand barbed wire; rolled used barbed wire; corner brace pipe and misc. & fence posts; (20) 4' electric fence posts; 30 new and used 5 1/2' electric fence T-posts; 5HP Briggs gas motor on stand for windmill pump jack; live wire traps (2); 11.00-16 tractor front tires; 4 - 275 - 65R 18 tires; 13.6112-28 tractor tire tubes; air compressor on table; Puma 2-wheel compressor; air bubble; Poulan push mower; 30" cut riding mower, NEW!



SELLER: ROY HARVEY - KICKHAEFER BROTHERS

NOTE: Roy has moved to retirement village will sell all the remaining personal items. Lots of GREAT COLLECTIBLES!

TERMS: Pay by Cash or Good Check. Statements made day of auction take precedence over printed material. Not responsible for accidents.

AUCTIONEERS: BOB'S AUCTION SERVICE, Bob Kickhaefer, 785-258-4188, BAS Clerk/Cashier: Bob's Auction Service • Lunch by Burdick Relay For Life • Port-a-Pot on grounds.

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Kansas farmland values continue to slide

Kansas farmland values have dropped an average of 11 percent over the past two years, pulled down by lower grain and livestock prices and a dramatic drop in farm and ranch income. The downward trend is likely to continue through 2017, and the news likely won't be much better next year, according to a Kansas State University agricultural economist.

"We've seen incredible volatility in land values in the last six years," said Mykel Taylor, associate

professor and farm management specialist with K-State Research and Extension. During that time, historic high prices were recorded in 2014-2015 followed by sliding values in 2016 and so far this year.

Values for non-irrigated or dryland cropland in Kansas have fallen the most - 17 percent since 2015 - said Taylor, who gave a presentation on the topic at the recent K-State Risk and Profit Conference in Manhattan. Prices for irrigated cropland dropped

9 percent, and pasture land values fell 5 percent in that period.

Farmland values and rental rates are two of Taylor's primary areas of research. She uses data from farmer surveys conducted by the Kansas Agricultural Statistics Service and transaction data recorded in the Kansas Department of Revenue Property Valuation Division to study trends.

The farmer surveys provide a ballpark estimate of what land is selling for,

but it's based on farmers' opinions, she said, adding that the farmer response rate to such surveys in Kansas is relatively low. For that reason, using market-based data from actual transactions recorded at the PVD gives a clearer picture.

Long-run trends indicate farmland values will continue to move lower through the rest of the year and potentially beyond and may fall by as much as 50 percent from the highs of 2014 and 2015, Taylor

said, noting that though land values typically follow agricultural profitability, they do not adjust as quickly as changes to grain and livestock prices do.

"The way net farm income is related to land values, we project out a possible 30 to 50 percent drop from the 2014-2015 highs," she said, noting that prices vary across the state.

"Farmers are still our biggest buyers of (Kansas) farmland," Taylor said when asked about multi-national corpora-

tions buying farmland in Kansas. "Kansas is not as attractive to investors as states in the Corn Belt because of the volatility in our yields."

Some appraisers have reported that the overall number of bidders at farmland auctions has dipped, she added.

Information on farmland values, rental rates and other information can be found on the K-State Extension agricultural economics website www.agmanager.info.

Produce grower workshops planned in Kansas and Missouri

Kansas State University is teaming with the University of Missouri and other organizations to host several half- and full-day training workshops focused on food safety for fruit and vegetable growers in Kansas and Missouri.

Because some produce is not cooked before eating, it is essential that growers and anyone handling fresh fruit and vegetables along the grower-to-consumer chain use the best practices possible to ensure safety, said Londa Nwadike, consumer food safety specialist with K-State Research and Ex-

tension and the University of Missouri. She cited outbreaks of Salmonella, Listeria and E. coli linked to produce which have sickened and in some cases killed people.

In response to such produce-related food safety outbreaks, the Food Safety Modernization Act (FSMA) was signed into law in 2011. The law takes aim at proactively working to prevent contamination in the U.S. food supply rather than responding to contamination occurrences after the fact.

The half-day "Introduction to Produce Safety"

workshops are an abbreviated training to help producers avoid contamination. Those interested in volunteering for an on-farm assessment of their operation can attend the workshop for free and earn \$100. All farms attending the workshops can have their farm's water tested for free. These workshops and assessments are funded by a Food Safety Outreach Grant from the U.S. Department of Agriculture's National Institute of Food and Agriculture.

"Normally, a food safety consultant would charge at least \$100 an hour to per-

form an on-farm assessment," said Cal Jamerson, K-State Extension associate in produce safety, noting that in this case, workshop participants get the training for free, but can earn \$100 by volunteering to have their farm assessed, including free water testing. Attendees do not, however, have to participate in the assessments to come to the workshop.

Jamerson was recently hired through a Kansas Department of Agriculture grant to work with produce growers on food safety across Kansas. Prior to his

role at K-State working with Nwadike, he was the food safety manager for his family's produce farm in Fort Myers, Florida and served in the U.S. Air Force from 2004-2008.

The half-day workshops - all in November in several locations in Kansas (Ft. Scott, Wichita, Colby, Olathe) and one in Missouri (Independence) - are sponsored by K-State, University of Missouri, Lincoln University, the Kansas Beginning Farmers Coalition, Kansas Farmers Union, and the Kansas Department of Agriculture.

Separate full-day trainings are planned in several locations in Missouri and Kansas, currently from October through March, which will meet the training requirements of the FSMA. They are sponsored by the same groups as above, as well as the Missouri Department of Agriculture.

More information, including online registration, on both the half- and full-day trainings is available at <http://www.ksre.k-state.edu/foodsafety/produce/> or by contacting Jamerson at agri@ksu.edu or 913-307-7394

Compass Minerals adds agricultural expertise to the team

The plant nutrition team at Compass Minerals continues to grow with the additions of Sean Knapp, vice president of North America; Ron Restum, strategic account director; and Cole Hansen, marketing and product strategy director.

"Sean, Ron and Cole add tremendous talent to our team," says Brad Griffith,

senior vice president, plant nutrition. "They bring more than 70 years of combined agricultural experience to our growing specialty plant nutrition business. We're excited for the energy, insights and leadership they provide and the impact they will have on our business."

In his new role as vice

president of North America, Knapp will oversee the continent's business strategy in sales, marketing, product management and channel distribution. Knapp joins Compass Minerals following a nearly 20-year career at Syngenta, a global agricultural product company, where he held leadership roles in their vegetable seeds, crop protection and customer programs divisions. Prior to Syngenta, Knapp worked in agricultural retail sales, providing agronomic support to growers in southwestern Illinois. Knapp

grew up on his family's Illinois cattle and grain farm and earned his bachelor of science in agribusiness economics from Southern Illinois University.

Given the company's growing plant nutrition business, Restum will manage and build key customer accounts as the strategic account director. He will be focused on establishing and growing relationships with key accounts to identify product opportunities and ensure an ideal customer experience. He has an extensive background in agriculture having spent

time at Koch Agronomic Services and at Agrium. Restum earned a bachelor of business administration in management and marketing from Western Michigan University.

As the director of marketing and product strategy, Hansen will be responsible for the commercialization of the plant nutrition portfolio. His role will include go-to-market strategy, product management and marketing communications. Prior to joining Compass Minerals, Hansen worked for Dow AgroSciences - primarily in the seed division. Raised on a Nebraska farm, he holds a bachelor of agri-

cultural business from the University of Nebraska.

Knapp, Restum and Hansen will support the company's high-quality specialty plant nutrition products, which includes a line of micronutrients that coat onto dry fertilizer, namely Wolf Trax DDP® Nutrients and Protassium+® sulfate of potash. This fall the company will roll-out a portfolio of water-soluble plant nutrition products in the United States. With the acquisition of Produquímica last year, Compass Minerals will now offer North American growers a diverse portfolio of high-quality water soluble technologies.

LAND AUCTION

SATURDAY, OCTOBER 28, 2017 — 10:00 AM
Landoll Lane Conference Center — MARYSVILLE, KS

540.25 ACRES± MARSHALL COUNTY, KS LAND

TRACT 1: 227.92 acres± featuring mostly Wymore Silty Clay Loam (1-3% slope) soil type, consider PRIME cropland.

LEGAL DESCRIPTION: All land lying north of the survey markers & west of the east property line in Section 18, Township 2, Range 8 East, Less R/W.

2016 Real Estate Taxes (estimated) = \$3493.70

TRACT 2: 229.13 acres± featuring mostly Wymore Silty Clay Loam (1-3% slope) soil type, consider PRIME cropland.

LEGAL DESCRIPTION: All land lying south of the survey markers & west of the east property line in Section 18, Township 2, Range 8 East, Less R/W. (see web site for surveyed legal)

2016 Real Estate Taxes (estimated) = \$3636.30

TRACT 3: 83.2 acres± with 39.39 acres DCP cropland.

LEGAL DESCRIPTION: S19, T02, R08, ACRES 83.2, LOTS 2 & 3 LESS R/W.

2016 Real Estate Taxes = \$909.78

• 413.88 DCP Cropland Acres

• 386.3 Base Acres with 174.38 Wheat, 42.22 Grain Sorghum & 169.7 Soybeans. Wheat & Beans enrolled in ARC County & Sorghum enrolled in PLC.

• All 3 tracts offer the opportunity to add additional cropland acres.

• Property Sold Subject to Tenants Rights - written lease through 2017 with no hold over crops permitted.

Directions to Properties: From Highway 36 & 13th Road go north 2 miles to Indian Rd. Or from Oketo Highway go east on Indian Road 1 mile. At the intersection of Indian Road & 13th Road you'll have Tract 2 is located on the northeast and Tract 3 on the Southeast.

Listing Agent's Notes: Agricultural Producers & Investors ... Gear up for your chance to purchase some of the more productive land Marshall County has to offer. If you are wanting to add just a few more acres, or significantly increase your production acres ... this auction will have just what you've been waiting for. Highly productive soil types make these properties perfect for a farming operation or investment portfolio. Contact me direct with any questions you may have on these **GREAT Marshall County Kansas properties.**

Terms & Possession: 10% down day of the sale, balance due at closing on or before November 30, 2017. Sellers to pay 2016 taxes. Title insurance, escrow and closing costs to be split equally between buyer and seller. Marshall County Title & Abstract Co will act as escrow and closing agent. Buyer to take possession at closing subject to tenants rights based on written lease which terminates December 31, 2017 with no hold-over crops allowed. 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. Statement made sale day take precedence of all printing material.

CRW RANCH, LLC — SELLER

For a VIRTUAL TOUR of this property visit

www.MidwestLandandHome.com

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Midwest Land and Home

Jeff Dankenbring - Listing Broker - 785-562-8386

Mark Uhlik - Broker/Auctioneer

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AUCTION

FORD TRACTOR • TOOLS • COLLECTIBLES
SATURDAY, OCTOBER 7, 2017 • 9:30 AM
LOCATION: 17575 Cannonball Road — LOUISVILLE, KS
1/2 mile South & 1 mile East of Louisville



AUCTIONEER'S NOTES: Don has been a collector most all of his life. This will be a large auction with many items to be discovered. There will be some truly unique items on this auction that you won't want to miss! Lots of collectible glassware, oak furniture and much more!

Come see what you can find!



TRACTOR: 1947 9N Ford tractor, Sherman 2 spd., good paint & real good condition. Cub Cadet RZTS 22HP Kohler, 42" cut; lawn sprayer, like new; string trimmer on wheels; lots of hand tools; several tool chests; (3) filing cabinets; work benches; grinder; drill presses; scroll saw; table saw (3); battery chargers; air compressor; 5HP upright, 30 gal.; table saw & planer; hand saws; pressure washer; snow blower; gas cans; air bubble.

Butter churn; crocks & bowls; slate chalk board; elec. heaters; step ladders; tremendous amount of glassware & figurines; lots of collectible dressers, china cabinets, bookcases; collectible dropleaf table; lots of kerosene lamps; sewing collectibles; washer & dryer (gas); newer gas cook stove; collectible bowls & dishes, numerous; radio/record cabinet, works; (2) drug store display cases w/ice compartment; (3) deep freezers, 1 upright; AC unit, window; antique wood stove; claw foot bath tub; (3) generators; gas golf cart; lots of shovels & garden tools; set of alum. ramps; desks; antique furniture; antique stool; school desks; several hand saws; glass display cases; circular saws; elec. drills; air hoses; palm sander; shopmate work table; drop lights; 10" buffer; level; elec. chain saw; gas chain saw; pancake air compressor; small anvil from railroad iron; chain hoist; snow blower; car stands; load straps; ext. cords; 1 ton dolly; several trailers; Ford tractor chains; post vise; gas trimmer, wheeled; ext. ladder; hand grinder; porch swing.

TERMS: Cash or good check w/ID. Statements made day of auction take precedence over printed material. Not responsible for accidents.

See pictures on web: www.murrayauctionandrealty.com

SELLER: DON EICHEM

MURRAY AUCTION & REALTY
Steve Murray, Broker/Auctioneer • 785-556-4354
Bill Raine and Bob Murray, Auctioneers

LAND AUCTION

SATURDAY, OCTOBER 14, 2017 — 10:00 AM
American Legion, 222 Marshall St. — CHAPMAN, KS

142.2 ACRES± DICKINSON COUNTY, KS LAND

Legal Description: S06 , T13 , R04 , E2 E OF SMOKY HILL RIVER LESS R/W

TRACT 1 Info: This tract is approximately 130 acres of great Smokey Hill River farmland. Estimated DCP cropland is 104.14 acres. This farm has excellent soil types and is well taken care of.

TRACT 2 Info: This Tract is approximately 12 acres with an older two story 3 bedroom single bath home. This tract provides access to the river and great deer and other hunting. Mostly trees and river, with a sliver of farmland a great place to enjoy the outdoors or raise a family.

TRACT 3 Info: Tract 3 will be a combination of tracts 1 & 2

FA Base Acres: Wheat 70.1 acres; Grain Sorghum (Milo) 30.3 acres; Soybeans 13.3 acres.

Programs: Wheat & Beans ARC-CO. Milo -PLC.

Property Location: From Chapman Take Rain Rd. south approximately 1 mile to 2500 Ave. This will put you at the Northeast corner of the property.

Broker's Notes: Tract 1 has highly productive soil types throughout. This tract is on the high side of the river. This tract is actually 2 separate tracts with tract 2 lying between them. Tract 2 is approximately 12 acres and if sold separately the buyer will be responsible for 1/2 the survey costs. This tract has mature trees, garden spot, access to the river, a great recreational area. **For more information contact Mark Uhlik, Broker (785) 325 2740.**

Terms & Possession: 10% down day of the sale, balance due at closing on or before November 17, 2017. Seller to pay 2017 taxes, and retain the landlords share of 2017 crops. Title insurance, escrow and closing costs to be split equally between buyer and seller. Buyer to take possession at closing subject to tenants rights. Property to be sold as-is, where-is. All inspections should be made prior to the day of sale. This is a cash sale and not be subject to financing, have your financing arrangements made prior to the auction. **Midwest Land and Home** is acting as a Seller's Agent. All information has come from reliable sources; however, potential buyers are encouraged to verify all information independently. Clay County Title and Abstract will act as escrow and closing agent. Announcements made the day of sale will take precedence over all other information.

VERA MAE CREGAN LIVING TRUST, SELLER

For a VIRTUAL TOUR of this property visit

www.MidwestLandandHome.com

To stay up to date on auctions and listings LIKE our Facebook page **Midwest Land and Home.**

Midwest Land and Home

Mark Uhlik - Broker/Auctioneer - 785-325-2740
Jeff Dankenbring - Broker - 785-562-8386
www.MidwestLandandHome.com
When you want the Best, Call Midwest!

Corn gluten meal needs a name change. Where's the gluten?

One coproduct from wet milling corn is corn gluten meal—a high-protein ingredient used in many pet foods and livestock feed. By the name of the coproduct, one would think that corn gluten meal contains gluten, when in fact, it contains 60 to 70 percent protein and is 100 percent gluten-free. It's a misnomer. There is no gluten in corn gluten meal.

According to University of Illinois food engineer Kent Rausch, it's clear. "This is a textbook fact. Wheat contains gluten. Corn does not. There has never

been any reason why corn gluten meal and another wet milling coproduct, corn gluten feed, should contain the word gluten. Gluten is found in wheat, barley, and rye—not in corn or corn coproducts."

Rausch says because corn wet mills exclusively process corn grain only—no wheat, and therefore no gluten—there isn't even a concern about the possibility of cross contamination present to cause contamination of corn gluten meal or corn gluten feed.

So, how did the word

creep in? Rausch says the story goes that one of the early corn processors hired someone from a wheat gluten processing facility. "He just called everything that had protein in it 'gluten.' But I've never seen anything in writing to verify the story."

Some animal food processors would like to see the name officially changed to something more accurate and to avoid any confusion on the part of consumers. Rausch says pet and livestock owners see corn gluten meal in the list of ingredi-

ents on feed labels and have questioned it, assuming that it's the same as the gluten linked to celiac disease in humans.

When you think about the texture of yeast breads that contain gluten, it's obvious that corn doesn't have it. That's why cornbread has the consistency it does—no gluten equals drier and more crumbly—compared to wheat bread with gluten that's stretchy.

"It's ironic that corn protein is a great source of gluten-free protein but everything in the wet milling

process has the term 'gluten' attached to it. If the name could be changed, it would be a lot less confusing," Rausch says. "Every year during our wet milling workshop at the U of I, we have representatives attending who are confused by the names and whether gluten is in corn. These are people that actually work in the wet mills."

Rausch says it's up to the Association of American Feed Control Officials to change the name. AAFCO is responsible for creating ingredient definitions for

animal food products.

With gluten allergies in the health spotlight and more and more gluten-free products being produced, now would be a good time to clarify the term and confirm the absence of gluten in corn and corn products. "It would certainly stave off the confusion," Rausch says.

Kent Rausch is an associate professor in the Department of Agricultural and Biological Engineering in the College of Agricultural, Consumer and Environmental Sciences at U of I.

KUHN Krause introduces Dominator[®] 4860 primary tillage system

The new Dominator[®] 4860 meets the product requests voiced by customers searching for optimal tilled width productivity. Increased productivity was achieved by designing a 24" shank spacing and incorporating additional "up-time" features, like no daily grease maintenance, extended life subsoil points, a non-speed sensitive rear disc conditioner and a new

hydraulic reel option. The new 4860 is available in 14', 18', 22' and 26' (RTK) cut widths.

The Dominator[®] 4860 redefines soil and residue movement through the use of an offset coupler design, in relation to the deep tillage shanks, and an innovative reverse-tandem disc conditioner with individually mounted, 24" wavy disc blades with reverse mount-

ed Rock-Flex C-arms on 12" spacing to continuously level the soil profile and incorporate residue, even in adverse conditions.

The constant pressure, hydraulic coupler system consistently slices tough residue with large 25" coulters as it automatically adapts to changing field contours and various soil conditions without operator guidance. The coulters are offset indexed

to the path of the shanks, forcing soil to be moved up the face of the 3,000 pound deep tillage shanks to incorporate more residue, while producing maximum soil fracture on 24" spacing.

New exclusive chromium carbide deep tillage points provide extended wear life versus competitive points with field tests proving up to two times the life of current points in normal and

rocky soil conditions. Both 7" winged and 2.5" straight points are available.

An industry first for a primary tillage machine, the reverse-tandem disc conditioner first moves soil inward, then moves soil outward in order to thoroughly

mix soil and residue – opposite of tandem disc designs on all other combination primary tillage machines.

Additional clod sizing and soil firming is accomplished by proven 24/7[®] HD conditioning reels with optional hydraulic lift.

Farm bill needs tweaks, not wholesale change

Gordon Stoner started harvesting 6,000 acres of durum wheat on his farm during the worst drought on record in northeastern Montana.

He broke an inch of rain for the year in late July, a time he would normally have more than a foot.

"It underscores why wheat farmers see crop insurance as a top priority," he said. "It doesn't cover all of your expenses, but it takes enough of the risk out of it that you can put the crop in the next year. Without crop insurance, I would not be farming."

The Farm Bill, along with a special contract between crop insurers and the USDA, spell out the rules for crop insurance, including the level at which the government will offer premium discounts. The proposed federal budget has called for a decrease in those discounts, and it is anticipated that proposed amendments to the Farm Bill could also call for program caps.

That's a bad idea, Stoner says.

"Without it, it would be too costly for us to afford."

In addition to crop in-

urance, other components of the Farm Bill that are important to wheat farmers include the price loss coverage (PLC) and agriculture risk coverage (ARC) programs, he said.

A wheat farmer has 30-50 percent deductible on crop insurance. That means they take a major financial hit during a disaster, even with insurance, and the PLC and ARC can help, Stoner explained.

PLC kicks in when a crop's national average market price is below the reference, or target, price.

ARC helps when the actual county crop revenue of a covered commodity falls below a floor for the covered commodity.

The Farm Bill doesn't need major changes, Stoner said. But it does need some tweaks to make it more efficient and flexible.

"Many in Congress are very supportive of the Farm Bill," he said.

The Farm Bill also includes funding for the Supplemental Nutrition Assistance Program (SNAP), which Stoner says gives it more political clout.

"Without our urban brethren, we would not pass the farm title," he said. "That's kind of like insurance for our urban neighbors when they are down their luck."

Read more of this series at www.farmpolicyfacts.org/farmbill.

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LAND AUCTION

SATURDAY, OCTOBER 21, 2017 — 10:00 AM
Palmer Cafe — PALMER, KANSAS

152.39 ACRES± WASHINGTON COUNTY, KS LAND

This nearly level tract is considered to be non-highly-erodible-land by the FSA office. Prime farmland located from Palmer KS go north 1 mile to 6th road then west 3.25 miles to the east edge of the tract. Or from Clifton take Eagle Rd. 5 miles north to 6th Rd. then east 3.25 miles to west edge of the property.
Contact Mark Uhlik (785) 325 2740 with any questions!

RAYMOND BEIKMAN, SELLER

Watch upcoming issues of Grass & Grain for more details!
For a VIRTUAL TOUR of this property visit www.MidwestLandandHome.com
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AUCTION

SATURDAY, SEPTEMBER 30 — 10:30 AM
21682 Bethlehem Road (1-70 to Snokomo Road 1 1/2 miles South to Bethelhem Road, West 1/4 mile)
PAXICO, KANSAS

REAL ESTATE (SELLS APPROXIMATELY 12:00 NOON)
APPROX. 100 ACRES OF FLINT HILLS GRASS & BRICK HOME

700 CLARK BOBCAT, FORKLIFT, JD TRACTORS, 1977 FORD 250 FLATBED PICK-UP, FRONT END LOADER, TRAILERS, TOOLS, SHOP EQUIPMENT, HOUSEHOLD

See Sept. 12 Grass & Grain for complete details!

RICHARD "DICK" & SARAH "SALLY" SHORT

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AUCTION

SATURDAY, SEPTEMBER 30 — 9:30 AM
414 West 10th — NEWTON, KANSAS

VEHICLES & MOWERS: '01 Land Rover SUV; '76 MG B Convertible; 22' x 7' Tandem Axle Trailer/Fold-down Ramp; Hustler Super Z 60/Kawasaki Engine (314 Hrs.); Hustler Super Z 60/Honda Engine; Hustler Super Z 60/Caterpillar Diesel Engine; Hustler 602D/6' Blade, 6' Mower & 54" Snow Blower; Suzuki Model 90 Motorcycle.

TOOLS: Hydraulic Car Hoist; Floor Jack; 2-Metal Chop Saws; Craftsman Roll-A-Way Tool Box; Ace 8-Drawer Roll-A-Way; Shop Built Wood Stove; Sanborn Air Compressor, 220V/60; Open End, Box End Wrenches; IMS 4 1/2" Metal Cutting Band Saw; 2 Heavy Duty Welding Tables/Large Vises; Lincoln Arc 225 AMP Welder; Craftsman 12 Ga. Shop Vac; Mi-T-M Water Powered Scrubber; Cutting Torch/Bottles, Gauges & Cart; Centech 3 in 1 Portable Power Pack; 2-Shindalwa Weed Eater & Leaf Blower; Die Hard Heavy Duty Battery Charger; Homelite Gas Hedge Trimmer; Craftsman 2550 PSI, Power Washer; Back Pack Gas Leaf Blower; (3) 6' Step Ladders; Hustler Lawn Mower Parts; 1/2 & 1/4 Socket Sets; Open & Box End Wrenches up to 1 1/2"; Pipe Wrenches, Hammers, Screw Drivers; Shovels, Saws, & Many Other Tools; 3 like new Bicycles.

HOUSEHOLD: Glass Top Kitchen Table/4 Chairs; 2 Wooden Bar Stools; Kitchen Aid Side x Side Stainless Refrig.; GE Glass Top 30" S-Steel Black Top Stove; Amana High Efficiency Washer; Kenmore 90 Series dryer; Stove Top Microwave; Recliner Sofa & Love Seat; 56" & 32" Flat Screen TV's; Sony 32" Flat Screen TV; Queen Bed Set; Dresser/Mirror, Chest of Drawers; Small Appliances, Pots, Pans, Etc.

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AUCTION

SATURDAY, SEPTEMBER 30, 2017 — 10:00 AM
Offering for sale at Public Auction, located at 504 Church St., CONWAY SPRINGS, KANSAS

PICKUPS, MOWER & EQUIPMENT

2010 Ford Ranger XLT ext. cab pickup, 18K, extra clean; 1989 Ford F-150 XLT Lariat 4x4 pickup; John Deere X-300 42" hydrostatic riding mower, 375 hrs.; John Deere 6' 3 pt. blade; John Deere 513 5' 3 pt. rotary mower; 1998 Bullmobile 5x14 tandem axle stock trailer; Kuger 300 gal. field sprayer; 4 wheel bale trailer; 3 pt. bale spear; 2 wheel round bale mover; WW cattle squeeze chute with cage; round bale & mineral feeders; utility poles; feed troughs; stock tank; Craftsman 10" radial arm saw; Pow-Kraft 9" table saw; Tradesman 8" bench grinder; B & D & Craftsman Workmate tables; wood clamps; Huskee 24" 5 hp rototiller; Stihl MS250 chainsaw; Echo 280E chainsaw; sm. air compressor; Skil metal chop saw; pull behind yard sprayer; elec. fence posts & supplies; 4 wheel yard wagon; rods & reels; tackle boxes; JC Higgin mo. 1011 single shot 20 ga. shotgun; 2 - Daisy BB/pellet guns; ladders; hand tools; organizers; camping equip.; shovels; rakes; forks; floor jack; crosscut saw; wash tub; & more.

FURNITURE, ANTIQUES, POTTERY & HOUSEHOLD ITEMS

Oak dining room table, 3 leaves, formica top, 4 chairs; 5 pc. Chromcraft table; Oak ice box; Oak ice cream parlor table, 2 chairs; marble top ice cream parlor table, 2 chairs; Maple tea cart; tall wooden cupboard with glass doors; ornate Oak sideboard buffet, beveled mirror; lg. Oak cabinet; Fairbanks Standard platform scale, Clines Market; Oak pie safe; Maple rocker; Maple captain chair; King sz. bed & custom built headboard; Maple glass top end tables; Singer treadle sewing machine; port. New Home sewing machine; Oak wash stand; lg. dresser; glider rocker & ottoman; sm. Walnut shelf; Session mantle clock; metal boiler; 30 pcs. Roseville Magnolia collection; Roseville; 100 pcs. green Frankoma; Johnson Bro. ironstone, 12 pc. setting; Inpoptu fine china; Copper jello molds; Fenton & Anchor Hocking opalescent hobnail glassware; cup & saucer collection; Aiwa stereo; JM Dermaid #3 barrel butter churn; patio furniture; 60+ tea pot collection; baking dishes; coffee grinder; lg. leather recliner; sad irons; shoe lathe; Christmas decorations; Graco port. playpen; ping-pong table; Frigidaire apt. sz. refrigerator; MW 21.2 cu. ft. upright freezer; Cedar chest; Oak bench & table; insulators; & more.

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Thursday, October 12th @ 6:00 p.m.

Auction held on-site. Located NE of SE Shawnee Heights Rd. & SE Ward Rd., Tecumseh, KS. The lands makeup of ponds, timber, cropland, pasture, and scenic views makes this property ideal for someone looking to build a country home close to town.

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Plant-based meat sales continue to rise

Sales of plant-based meats in the U.S. rose 6 percent from last year, according to data from Nielsen, the Plant Based Foods Association and the Good Food Institute.

The report comes during the same week that the Los Angeles-based Beyond Meat announced it would sell its plant-based meat products through Sysco, the nation's largest food distributor — expanding the product's reach to tens of thousands of restaurants and food service establishments.

According to Nielsen's report, refrigerated meat sales grew 23 percent since last year, with plant-based meat claiming a 2.1 percent market share of refrigerated and frozen meat products sold at retail chains.

The report shows that plant-based dairy alternatives grew 20 percent, with sales topping \$700 million. Plant-based milk was up 3.1 percent.

The Nielsen report analyzed data from foods that replaced animal products over a one-year period. Foods analyzed included meat, seafood, eggs and dairy.

Was that really August? Kansas temperatures were unseasonably cool

No, it wasn't your imagination. Temperatures across Kansas in August averaged 4.4 degrees cooler than normal, according to the Kansas Weather Data Library.

The statewide average temperature was 72.7 degrees F and all parts of the state were in the lower-than-normal range, said Mary Knapp, Kansas State University climatologist. That didn't mean, however, that the state completely missed typical hot August days. The thermometer hit 104 degrees F in Larned on Aug. 21.

In contrast, the temperature dipped to 43 degrees F in Brewster (Thomas County) on Aug. 28.

August precipitation averaged 3.46 inches, 4 percent above normal but was "skewed heavily" to the eastern side of the state, Knapp said. As much as 8.85 inches fell in one day in Miami County on Aug. 22.

The state experienced high winds and hail, she noted, but the most damaging weather occurrence during the month was flooding in eastern Kansas following heavy rains

Aug. 5-6.

Despite the above-normal average rainfall, parts of central Kansas, particularly, remain in abnormally dry to moderate drought conditions, according to the U.S. Drought Monitor. More information about the Kansas Weather Data Library can be found online at <https://www.ksre.k-state.edu/wdl/>.

The Climate Prediction Center has increased chances of warmer-than-normal temperatures for the September-November period, with equal chances of above or

below normal precipitation, Knapp said.

The CPC also issued a La Nina watch, as the combined models indicate an increasing chance for cooler-than-normal sea surface temperatures developing this winter, she said. A La Nina is frequently associated with milder temperatures and less precipitation in the southern Plains. However, it isn't certain that a La Nina will develop and correlations with winter conditions aren't particularly strong.

Lower red meat consumption connected to lower intake of nutrients

A new study published by the journal *Nutrients* found that lowering red meat consumption could negatively affect the quality of nutrients in a woman's diet.

The U.K. National Diet and Nutrition Survey (NDNS) data revealed that women consuming less than 40g total of red meat were more likely to have micronutrient intakes below the Lower Reference Nutrient Intake (LRNI) for zinc, iron, vitamin B12 and potassium.

"Encouraging all population groups to eat less red meat can clearly exacerbate

the nutrient shortfalls that are apparent in some at-risk groups," said Dr. Emma Derbyshire, an independent nutritionist and study author. "This study shows a clear correlation between low consumption of red meat and lower intakes of key nutrients that are essential for good health."

"Red meat is a nutrient dense food and is the most

readily absorbed source of iron in our diet," she continued. "Average intakes are well within the recommendation of up to 70g per day and the ongoing problem of iron and zinc insufficiency in women suggest that some groups should actually be eating more red meat, not less." To read more, visit hipocraticpost.com/nutrition/eat-red-meat/.



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REAL ESTATE AUCTION

TUESDAY, OCTOBER 3, 2017 — 7:00 PM

Auction will be held at NCK Technical College in Severance Student Union conference room
BELOIT, KANSAS

Legal Description: E 1/2 SW 1/4 & W 1/2 SE 1/4 20-7-7 Mitchell Co. Kansas


The farm is located 1 1/2 miles South of Beloit, Kansas on Highway 14 to Tipton Road on top of the hill then 1/4 mile West on blacktop. There are 156.89 acres with 135.28 acres of crop land and 21.61 acres creek & wildlife. Bases are wheat 69.7 yield 41; grain sorghum 8.52 yield 119; beans 50.68 yield 33; corn 6.01 yield 93; for a total base of 134.92 acres. The milo is in PLC, corn, bean & wheat ARC. Seller will pay 2017 and all prior years taxes. Purchaser will pay 2018 taxes. 2016 taxes were \$1,919.88.

Possession: Possession of open ground will be immediate, the purchaser will pay Dale Konzem for discing ground. Possession of ground planted to beans will be after 2017 bean harvest. Seller will retain landlord's share of bean ground rent.

Terms: 10% of purchase price as down payment day of auction, the balance will be due upon closing on or before November 15, 2017. Down payment will be escrowed with NCK Title. Escrow fees will be split 50/50 between seller & purchaser. Title insurance will be used, the cost will be split 50/50 between seller & purchaser. **Thummel Real Estate & Auction LLC is acting as seller agent. All statements made day of auction take precedence over printed material.**

JOE & CARMEN KONZEM

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AUCTION

SATURDAY, OCTOBER 7, 2017 — 9:30 AM

1835 SW HOCH ROAD — TOPEKA, KANSAS

2005 Lincoln Signature car, 44,229 miles, tan, leather seats, one owner, clean!

2000 Red Camaro, only 29,214 miles, extra clean & NICE!

John Deere 850 tractor with JD 75 loader

Dining table & 8 chairs; china cabinet; leather lift chair; 2 leather recliners; Modern Oak hutch; 2 couches; roll top desk; 2 sets of wood framed sofas, chairs, rockers & tables; server/buffet; serving cart; china cabinet; office desk & leather chair; full bed with mirrors & side shelves; armoire; chest-of-drawers; Kenmore washer & dryer; dinette table & 4 chairs; computer desk; full bed; desk; dresser; mirror; corner curio cabinet; Oak desk; 4-drawer dresser; side table; lingerie chest; cedar chest; 4 end tables; 2 orange velvet chairs; 2 bookcases; 2 recliners; bar stools; arm chair; sewing machine; antique rocker; couch; dresser; wash stand with towel bar; Oak cabinet; wood dinette table & 2 chairs; bookshelves; stand table with drawer; oval dressing mirror & stand; round dining table; Oak & other chairs; 3 swivel bar stools; large & other TV's; stands; flat top trunk; high chair; antique sewing machine; Antique Dresser With Mirror, 4-drawer file cabinet; 2-drawer Oak file cabinet; antique stand table; iron bed; 2 antique school desks; child's rocker; painted wash stand; wood office chairs; folding table; ping-

pong table; 4-door cabinet; 4 gold bar stools; folding chairs; card tables & chairs; metal shelving stereo cabinet; office chair; walker; shower chair; magazine rack; stool; picnic table; Redwood lounge, 2 chairs; umbrellas; 2 sets wrought iron patio furniture; quality exercise bike; 2 treadmills; stepper. Collections of Longaberger baskets; Collection of approximately 200 souvenir spoons & racks; many cat figurines & plates; Precious Moments figurines, crystal pitchers & vase; Collector plates; salt & peppers; bells; tea set; crystal bowl; Angel figurines; Willow Tree figurines; pipes & holder; clocks; china; golden Wheat dishes; Ruby Red platter & bowl; Lots of cookbooks; Lots costume jewelry; deck figurines; pictures; picnic trays; **Lots of Holiday decorations;** afghans; bedding, towels, linen, tablecloths; lamps; frogs; glass bowls; covered cake carrier; sewing baskets & notions; 4 gallon Birchleaf & other crocks; wooden bowls; cast iron Dutch oven & muffin pan; tea kettle; antique iron; 2 small old electric fans; film projector; cameras; granite bedpan; 2 promo cars; old farm & other toys; milk can & stool; ice tongs; antique Lionel train & track; Madame Alexander dolls; doll benches; harness hames; photo enlarger; old manual & electric typewriters; tin spice racks; speakers; DVD player; 8-track player; TV's; stereo equipment;

1960's luggage; camping stove; child's wagon; child's chair; trunk; child's sleds; nail keg; golf clubs; bikes; large set of Pflatzgraf; Corelle dishes; canister sets; serving platters & pieces; Kenmore microwave; coffee pots; blender; crock-pots; toaster; pots; pans; lots of books; child's bowl & coup; snack sets; Christmas & other cups; doll case; cutting boards; utensils; antique books; coolers; canteen; canning jars. Blacksmith anvil; saddle; Load Hog tilt bed lawn cart; 3pt 6' blade; 3pt 5' tiller; Craftsman DY 54 500 riding mower; push string trimmer; 2 push (Lawn Boy) mowers; roto-tiller; Ariens riding mower; Rockwell radial arm saw; Craftsman belt/disc sander; table saw; Craftsman 6" jointer; Atlas drill press; drill press; Craftsman router table; Sears table saw (no motor); wood lathe & bench; 6" bench grinder; jig saw; Sears air compressor (twin cylinder); older Lincoln arc welder; McCulloch chain saw; shop vac; ladder; Workmate bench; dolly; 2 lockers; hand sprayer; iron stand; shop light; vise; chain saw sharpener; planes; belt sander; Thorn skill saw; shovels; rakes; hoes; garden tools; 2 fertilizer; spreaders; small roto-tiller; older Mohawk riding mower; Ford blade; cabinets; wheelbarrow; Ranch King lawn sweep; jig saw; hand saws; tools; saw horses; hardware; **MANY MORE ITEMS.**

NOTE: Very Nice clean quality auction. Lunch by Delia Presbyterian Women

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AUCTION

SATURDAY, SEPTEMBER 30, 2017 — 10:00 AM

Auction will be held at 208 Main street in WELLS, KANSAS
(Wells is located 6 miles East of North Minneapolis exit on Highway 81)

REAL ESTATE

Tract I: 1664 sq. foot ranch style home w/4 bedrooms, 3 baths, utility porch, front room, dining room, kitchen, 1/2 basement, central heat & air, on rural water with 2 septic tanks. The home is in good condition. Title insurance will be used, the cost will be split 50/50 between seller & purchaser. Escrow fees will be split 50/50 between seller & purchaser. Taxes will be pro-rated to closing. 2016 taxes were \$1,056.38. The seller will do no inspections or repairs. All inspections must be made before September 30, 2017.

Tract II: 5 lots with buildings across the street from the above home. The main 2 buildings con-

nect, one has concrete floor w/heat and window air conditioner, there are also 2 other out buildings. The buildings were used as a used car dealer. The seller will do no inspections or repairs. All inspections must be made before September 30, 2017. Terms on both tracts will be 10% down payment day of auction, with the balance due upon closing on or before November 10, 2017. Possession will be upon closing. All statements made day of auction will take precedence over printed material. **Thummel Real Estate & Auction LLC is acting as seller agent.** 8' x 40' ABC Super Coach mobile home 1 bed, 1 bath; 8' x 27' aluminum mobile home w/roof to be moved.

TRACTORS, SHOP TOOLS & OTHER

Ford 8N tractor 12 volt, new tires; Ford 9N tractor 12 volt; Ford 6' finishing mower; 3 pt. carrier; 3 pt. 6' blade; 3 pt. dirt slip; 3 pt. 8' single disc; 1/2 sack cement mixer; Toro LX427 riding mower; Agco Allis 409 riding lawn mower; lawn trailer; Lawn Chief chipper; MTD 45/21 snow blower; Husler front tiller; Huffy Sheraton 6 hp riding mower; B & S Elite 3500-4800 generator; Tools inc.: Fliteway twin cylinder air compressor; 2 Gray air jacks; TSI 5-50 air transmission jack; Snapon stack tool box; Lincoln 180 amp welder; Peerless Diagnostic scope; Walker press; Sioux value machine; manual tire machine; Silver Beauty 300 amp battery charger; Alemite power washer; 8" drill press; Delta 10" miter saw; portable air compressor; porta power; Lincoln tire balancer; greaser; bench grinder; acc torch; Wilton vice; metal shop table; 6" table saw; assortment tools; socket sets; end wrenches; pullers; many good

tools; clamps; extension cords; yard tools; weed eaters; tractor chains; wheel barrow; floor fan; squirrel cage fans; garden seeder; 31" x 52" safe; tune up cabinet; wooden 8' shop table; 6' fiber step ladder; extension ladders; file cabinets; Chilton iron; 5 gal cans inc.: Conoco, Sunoco; air & oil filters; new muffs; new tires; many new & used wheel covers; railroad ties; aluminum corners; 300 gas overhead gas tank; assortment of other tools.

ANTIQUES, COLLECTIBLE & HOUSEHOLD

Guns inc.: Strum Ruger semi 22 standard pistol; Winchester 94 Wells Fargo commemorative 30-30; Antiques inc.: 2 door painted ice box; square oak 5 leg table; painted commode; walnut commode; oak rockers; sow belly cabinet; parlor table; oak plant stand; walnut sofa table; sewing machine base table; 4 kitchen clocks; coaster wagon; egg basket; Oliver typewriter; pop

bottles; model ship; Rex lard tin; Capers Farmer sign; cast iron boiler; cherry pitter; notary stamp; butter mold; school bell; Mason sword; bracket lamp; Santa Fe railroad lantern; telegraph key; banquet lamp; kerosene lamp w/reflector; coffee grinder; large assortment glass; refrigerator dishes; bell collection; gas iron; wooden boxes; granite pans; wind charger blade; wash tub; jars; records; silhouette pictures; sheet music; set china; quilts; bedspreads; 1950's bike; insulators; Household: Bernette 234 Overlock sewing machine; American Home sewing machine; Story & Clark piano; electric piano; walnut Duncan Phyfe table & chairs; water fall dresser & chest; floral couch; recliners; dinette table; end tables; full bed; flat top desk; jewelry cabinet; file cabinets; Kenmore grill; patio table; Wind Tunnel vacuum; sewing items; assortment household items; canners; paper cutter; typewriter; upholstery material; many other household & collectibles.

NOTE: Check our web site for pictures at www.thummelauction.com. Ray Whitley auto sales operated for many years.

LEO & JAVENE WHITLEY TRUST

Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC
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Online Auction — Open now; soft close Oct. 6 — Leather bound oak benches, ceremonial robes, storage boxes, costumes, folding chairs, pianos, safe, office items & more for Independent Order of Odd Fellows Central Kansas Lodge #412. www.strohsrealestateandauction.hbid.com/auctions/current. Auctioneers: Stroh's Real Estate & Auction, LLC.

October 3 — Mitchell County, KS cropland, creek & wildlife held at Beloit for Joe & Carmen Konzem. Auctioneers: Thummel Real Estate & Auction, LLC.

October 5 — Antique furniture, collectibles, glassware, household, sewing machine, small appliances, household furniture & misc. tools at Geneseo for Gene & Evelyn Langhofer. Auctioneers: Stroh's Real Estate & Auction, LLC.

October 7 — Vehicles, JD tractor, furniture, Longaberger baskets, souvenir spoons, lots of holiday decorations, collectibles, household & tools at Topeka for Philip & Joann Shideler Estate. Auctioneers: Gannon Real Estate & Auctions.

October 7 — Ford tractor, tools, household, collectibles, lawn & garden at Louisville for Don Eichem. Auctioneers: Murray Auction & Realty.

October 7 — Farm equipment & tools, collectibles & more at Ellsworth for Ronnie & Betty Rathbun. Auctioneers: Oswalt Auction Service.

October 7 — Tractors, car, shop & sporting equipment & furniture at Moundridge for Monte Stucky Estate, Bruce Stucky & Sylvia Stucky. Auctioneers: Van Schmidt Auction.

October 7 — Car, household, collectibles & tools at Scandia for Dorothy Sandell. Auctioneers: Thummel Real Estate & Auction, LLC.

October 7 — Tractors, antiques, collectibles, household, tools & more at Delavan for Roy Harvey, Kickhaefer Brothers. Auctioneers: Bob's Auction Service, Bob Kickhaefer.

October 8 — 100s of name brand shop tools, welding items, forklift & much more at Tecumseh for Mrs. Mel "Janie" Grandstaff. Auctioneers: Wischropp Auctions.

October 8 — Approx. 180 guns at Salina. Auctioneers: Wilson Realty & Auction Service.

October 11 — 1,720 acres m/l Barber County, KS land in 4 parcels, cropland, pasture & ponds held at Medicine Lodge for Roy Stewart Trust. Auctioneers: Hamm Auction & Real Estate.

October 12 — Pottawatomie County Highway Commercial property held at Manhattan for Nielson Trust. Auctioneers: Donald Prell Realty & Auction, LLC.

October 12 — 50.74 m/l acres between Topeka & Lawrence (ponds, pasture timber, cropland, home site) held at Tecumseh. Auctioneers: JP Weigand & Sons, Inc.

October 14 — Tractors, truck, equipment, ammunition, fishing, coins, collectibles, household & misc. at Baldwin City for Kenneth & Margie Schutz Estate. Auctioneers: Elston Auctions.

October 14 — Fully re-

stored antique John Deere tractor on steel, antiques, Roseville pottery, collectibles of all kinds, antique tools & firearms at Wells for Mrs. Leroy "Maxine" Windhorst. Auctioneers: Reynolds Auction Service.

October 14 — Vehicles, backhoe, tractor, older gas payloader, trailers, '58 IHC grain truck, Kawasaki Mule, PTO generator, tree shear, Stihl 170 chain saw, old cast seats, many tools & farm related items held NW of Chapman for the Ben Hilliard Estate. Auctioneers: Chamberlin Auction Service.

October 14 — Furniture, primitives, antiques, collectibles, household at Marysville for Lucille Godfrey. Auctioneers: Olmsteds & Sandstrom.

October 14 — Kansas Auctioneers Association 10th Annual Livestock Auctioneers Competition held at Fort Scott Livestock Market, Fort Scott.

October 14 — 142.2 acres m/l of Dickinson County, KS land (farmland, older 3BR home) held at Chapman for Vera Mae Cregan Living Trust. Auctioneers: Midwest Land and Home, Mark Uhlik, Jeff Dankenbring.

October 14 — Judd Ranch 27th Annual Cow Power Gelbvieh, Balancer & Red Angus Female Sale at Pomona.

October 17 — Antiques, collectibles at Jewell for Earl & Shirley Varney. Auctioneers: Thummel Real Estate & Auction, LLC.

October 17 — 114 acres Ottawa County, KS pasture held at Salina for Robert W. Moss & Mira Mickler Moss. Auctioneers: Coldwell Banker Antrim Piper Wenger Realtors, Chris Rost, Mark Baxa.

October 18 — 229 acres m/l Wabaunsee County native grass pasture land held at Alma for Holy Family Catholic Church. Auctioneers: Murray Auction & Realty.

October 19 — Tools, collectibles & household at Beloit for Chuck Williamsons. Auctioneers: Thummel Real Estate & Auction, LLC.

October 19 — 626 acres m/l in Mitchell & Jewell counties in 7 tracts held at Glen Elder. Auctioneers: Coldwell Banker Antrim Piper Wenger, Chris Rost, Mark Baxa.

October 21 — Gun collection, rifles, pistols, shot-

guns at Douglass for a private collector. Auctioneers: Chuck Korte Real Estate & Auction Service, Inc.

October 21 — Guns, ammo, knives, gun cases, etc. at Osage City. Auctioneers: Wischropp Auctions.

October 21 — 2002 Ford F150 XLT SC truck, antiques, collectibles, granite-ware Mobil Oil sign, Graves & Triangle Truck Line memorabilia, Belt Buckles Fire memorabilia, tools, furniture & household at Salina for Mike & Faye Breer Estate/Theresa Baxa. Auctioneers: Baxa Auctions, LLC.

October 21 — 152.39 acres m/l Washington County, KS land held at Palmer for Raymond Beikman. Auctioneers: Midwest Land & Home, Mark Uhlik & Jeff Dankenbring.

October 21 — Country acreage, car, classic cards, tools, household at Washington for Robert R. Jones. Auctioneers: Raymond Bott Realty & Auction.

October 22 — Shannon Creek Cattle Co. Quarter Horses 9th Production Sale at Olsburg.

October 23 — Wabaunsee County land, brome grass, native grass pasture, wildlife habitat held Southwest of Eskridge for Donald Pfuetze. Auctioneers: Cline Realty & Auction, LLC.

October 23 — 415 acres of Lyon County ag land with farmstead, sold in 2 tracts held at Emporia for Jeanette T. Rowland Revocable Living Trust. Auctioneers: Swift-N-Sure Auctions & Real Estate.

October 25 — Fink Beef Genetics Angus and Charolais Bull sale at Randolph.

October 26 — 314 acres Geary County grassland held at Junction City for the Duane & Helen Gugler Estate. Auctioneers: Riordan Auction & Realty.

October 28 — Remodeled home on 1 acre located & auction held in Topeka for Peggy Weixelman. Auctioneers: Murray Auction & Realty.

October 28 — Tractors, loader, dozer, drill, disc, Soil Master, grain wagon, 1962 Impala (seller: Dennis Kane & Marla Dwerlkotte); 2005 Chevrolet Silverado pickup, farm machinery, dump truck, skid steer loader, horse trailer, enclosed trailer, livestock sheds & equipment, steel storage containers & misc. held Northeast of Marysville for

Dennis Kane. Auctioneers: Donald Prell Realty & Auction, LLC.

October 28 — Antiques & collectibles at Blue Rapids for Floyd Sutton Estate. Auctioneers: Olmsteds & Sandstrom.

October 28 — 540.25 acres m/l Marshall County land held at Marysville for CRW Ranch, LLC. Auctioneers: Midwest Land & Home, Jeff Dankenbring & Mark Uhlik.

October 29 — Household & guns at Hope for Dan Emig. Auctioneers: Bob's Auction Service, Bob Kickhaefer.

November 2 — 614.6 Acres m/l Washington County land held at Greenleaf for Paul Flear Trust #1. Auctioneers: Midwest Land and Home, Mark Uhlik & Jeff Dankenbring.

November 4 — Farm machinery & household at Delavan for Bill Bruckner. Auctioneers: Bob's Auction Service, Bob Kickhaefer.

November 4 — Land Auction at Blaine for (Richard) Mary Helen Howell Estate. Auctioneers: Olmsteds.

November 4 — Collector tractors, Ford F600 truck, '69 Ford PU, 1930 Ford Model A & parts, Mustang parts, hi-wheel wagon, tools, antiques & collectibles at Sabetha for Elwin & Mary Strahm. Auctioneers: Ash Realty & Auctions, LLC.

November 9 — 2,007.6 acres Smith County land held at Franklin, Nebraska for Lovell Ranch. Auctioneers: Marshall Land Brokers & Auctioneers.

November 10 — 160 acres m/l of land East of Vermillion for Cutting Estate. Auctioneers: Joe Horigan Realty & Auction Co.

November 16 — Clay County Real Estate for Helen Schurle Trust in Green, KS. Auctioneers: Greg Kretz.

November 18 — Full line of late model farm equipment at Frankfort for Dan Gerstner. Auctioneers: Joe Horigan Auctioneer.

November 30 — 147 acres Dickinson County farmland & grassland held at Abilene for Deanna Pagenkopf Rundle. Auctioneers: Riordan Auction & Realty.

March 6, 2018 — Bull sale at Lacrosse for Cornwell Farms.

New survey shows 99 percent of adults buy groceries in person

A new survey by the International Council of Shopping Centers shows that U.S. consumers are buying their groceries in a lot of ways, but most of the time in person at a brick-and-mortar store.

The State of Grocery Shopping survey found that 99 percent of adults buy some or all of their groceries in person because they want the food immediately, want to select their own meat, dairy and produce, and they want to see product options in person.

Younger consumers are more likely to purchase groceries multiple times a week from many different avenues including brick-and-mortar and online stores. When it comes to online grocery shopping, nearly three out of four consumers purchase online and then pick up their order in the store. Only one percent of consumers solely buy their groceries online and never go into a store. To read the full report, visit tinyurl.com/TCFA-Grocery-Survey.

McDonald's aims to serve more antibiotic-free meat

McDonald's said recently it will move to serve more antibiotic-free meat at its restaurants worldwide.

The world's largest burger chain said it will limit its use of cattle and pigs raised with antibiotics important to human medicine, a significant move according to the *Chicago Tribune* because McDonald's is "the biggest purchaser of beef in the country and one of the largest buyers of pork."

In a statement McDonald's said the company understands that animals, like people, get sick and require treatment, and that treatment is consistent with their long-standing commitment to animal health and welfare.

In 2015, the company released its Global Vision for Antibiotics and made a commitment to stop serving meat from chickens raised with antibiotics important to human medicine in the United States. They met that commitment nine months ahead of schedule. The company set forth a timeline that will phase out chickens raised with antibiotics important to human medicine globally within ten years.

McDonald's officials have said the company "hopes to have a timeline soon for reducing medically important antibiotics from its beef."

McDonald's has 14,000 U.S. restaurants and 36,000 locations worldwide.

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REAL ESTATE & PERSONAL PROPERTY AUCTION

SUNDAY, OCTOBER 1, 2017 — 12:30 PM
204 W. FIFTH ST. • ALLEN, KS — Real Estate sells at 1:30 PM

DESCRIPTION: Quaint 2 bdr house on a nicely shaded corner lot, 100' X 130'. Large family room opens to a covered patio. Nice sized bedrooms with large closets and 1 full bath. Generac 20kw generator is wired into the house and runs on propane. Vinyl siding and metal carport. Dining room off of kitchen. Storage building and fenced yard. 1444 sq. ft.

TAXES: \$590.16. 2016 and all prior years will be paid by the Seller. 2017 taxes will be prorated to the day of closing.

TERMS & CONDITIONS: 10% earnest money due the day of the auction. Balance due when merchantable title and Administrator Deed are delivered. Closing and possession on or before November 2, 2017. Property sells in As Is condition. All Buyers' inspection are to be done prior to the auction. Broker and Auctioneers' are representing the Seller.

For information contact Greg Hallgren Broker & Auctioneer at 785-499-2897.

SUV SELLS AT 2:30 PM
2011 Jeep Liberty, V-6, auto, 4x4, leather interior, 31,450 miles, very good condition.

MUSICAL INSTRUMENTS & ITEMS
Peavey Predator electric guitar; Teisco Del Ray electric guitar; Kaman Applause guitar; Harmony 12 string guitar, no strings; Concertmate 900 & Yamaha keyboards; Model V 8a 80 watt subwoofer; Peavey keyboard acoustic amp; Ampeg amp; numerous speakers; large selection of 33 records, 1960's & 70's as well as

COLLECTIBLES & MISC.
410 single shot shotgun; Red Ryder BB gun; Daisy pellet rifle; Gilbert microscope in box; 1937 Kansas license plate; Lone Wolf print; numerous painting done by Dennis; Dewar's Scotch lighted mirror; kerosene lamps; history books about Lyon Co.; steamer trunk; powder flask; numerous prints; quilts & comforters; vintage camera's; Autumn Gold china; shoe lasp; nice selection of painting tools & equipment; various hand tools.

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Terms: Cash or Good Check. Not Responsible for Accidents. Statements made day of auction take precedence over printed material.

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Stress

Let's say a busload of Brazillian soccer players came by your place one fine fall afternoon unexpected and took you on a three-day road trip. You didn't have time to pack your toothpaste or your own saddle. They made you play two games a day and pinochle every night! By the time they dropped you off down by the mailbox you wouldn't have enough energy to crawl to the house.

You would be suffering from that deadly menace, the Darth Vader of Disease: STRESS!

Now put yourself in the place of the 500-pound suckin' calf this fall. You spend all summer with your mamma drinkin' cool spring water, eatin' good green grass and mother's milk. You got up when you wanted, slept when you felt like it and ate when you were hungry. Suddenly, over the rim come five mounted riders! The boss, his wife, the neighbor, the banker, the brother-in-law and eighteen dogs! Elbows flyin', hats

wavin' and chaps flappin'. Scary? You bet your bippy! You take off to find mamma with the dogs nippin' at yer heels. Mamma's way down the trail. You catch up and travel five miles in her dust, chokin' and coughin'. That night you spend in a trap with 240 other cows and calves. Next mornin' here comes Custer's Army again! Back on the trail, still scared, hungry and tired. All day you walk behind the bunch, walkin' eye-level with the dust. That night you're put in a big corral. Mamma's uneasy. You don't get much to drink.

Sun-up, the Third Infantry Battalion rides through the corral and pushes you out into the alley with your brothers and sisters. They push you up a little chute. They want you to jump into this big aluminum egg crate. Next thing you know the ground is moving. Three hours down the road you suggest pulling off at a rest stop. NO DICE! (I don't know how many of you readers have tried to tinkle out the

back of a moving pickup, but it's no easy thing!).

That evening you get unloaded into a feedyard with strange-tasting water and something in the bunk that smells like old lawn clippings. Next morning Bobby Benson and the B Bar B Riders drive you and your siblings to a processing area. You're too tired to care. Imagine, if you will, getting down on your hands and knees with your barber behind you and your cattle buyer in front. Everybody's lined up nose to wallet! Every time you back up to breathe some fresh air, somebody jabs you! Then they trap you in this big noisy contraption, give you an injection (for your own good), stick things in your mouth, your nose and your ears.

Miraculously you are released. You wander into a nice bedded pen with some sort of gourmet dish in the bunk (prepared by a chef who builds his recipe on a computer then looks at the manure to see if you liked it?) Blaagh!

You're scared, worn out, hungry and hurtin' all over. STRESSED. The cattle foreman drives by that evening checkin' the bunks. "By gosh," he says, "Thank goodness they'll get over it pretty quick."

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Yard & Garden Tips By Gregg Eyestone Fall Field Trip

The growing season is shifting into the fall. Tree leaves are changing and the temperatures will become more seasonal. It is time for a jacket, enjoying fresh apples and a walk in the woods.

An opportunity to be in the woods is coming up on Wednesday, October 4. The 23rd annual Fall Forestry Field Day will be just north of Manhattan on Bill Kennedy's Tree Farm. Kennedy has been recognized by the Kansas Forestry Association and the Kansas Forest Service as the 2017 Forest Stewardship Tree Farmer of the Year. Kennedy's Tree Farm provides an excellent hands-on learning venue for other landowners interested in managing woodlands.

A walk in the woods around here is likely to reveal a bush with pretty red berries. Looking around, you may encounter several plants that seem to be taking over. Proper identification may conclude that these plants are unwanted. Bush honeysuckle, black lo-

cust and *Sericea lespedeza* – control and management of these and other unwanted plants will be addressed.

Other unwanted pests such as ticks will be mentioned. Desirable insects like honeybees and other pollinators habitat is on the schedule. Biochar and other specialty product opportunities in Kansas make up a portion of the day.

Improving woodlands for wildlife habitat, recreation and the beauty they provide are some of the main objectives for Kansas woodland owners. Kansas Forest Service forester Thad Rhodes and wildlife biologist Corey Alderson, Department of Wildlife, Parks and Tourism will explain basic approaches to these important topics.

There is a registration fee of \$12 that will cover a hot lunch provided by the well-known Ricky's Café out of Hanover. Morning refreshments and educational materials will also be provided. The registration brochure may be found on the web at www.kansasfor-

ests.org by clicking on News & Events or by calling the Kansas Forest Service State office at 785-532-3300.

You can find out more information on this and other horticulture topics by going to the Riley County, K-State Research and Extension website at www.riley.ksu.edu. Gregg may be contacted by calling 785-537-6350 or stopping by 110 Courthouse Plaza in Manhattan or e-mail: geyeston@ksu.edu.

HSUS pushes ballot initiative in California

The Humane Society of the United States (HSUS) introduced a ballot initiative in California recently that calls for a requirement that all pork and veal sold in California be produced without restrictive crates, and that all eggs produced and sold in the state be cage-free.

HSUS says that its goal is to build upon Prop. 2, the state's existing legislation that requires hens, pigs and calves on California farms to be able to stand up, lie down and fully extend their limbs.

The biggest potential impact could be on pork, reports the *San Francisco Chronicle*. The majority of pork sold in California is from out-of-state producers who would have to comply with the new regulation before they could sell their products.

Jim Monroe, spokesman for the National Pork Producers Council, says that gestation crates prevent aggression among sows, injury and mortality and that a switch in housing systems could not only harm the animals, but would also add "significant cost" to the pork industry.

"Any change in production practices should be based on signals from the marketplace," he said. "Pork producers, not activists, know far better what's good for their animals," he added.

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