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Custom cuts the centerpiece of new Manhattan Meat Market

By Donna Sullivan,
Editor

There comes a time when you just have to stop complaining about a situation and do something to change it. That's what Jake Worcester and four of his steak-loving friends concluded after years of lamenting the lack of a custom meat store in Manhattan.

"Some weeks we'd get lucky at the store and some weeks we wouldn't and it was just challenging," Worcester said. "We got tired of complaining about it and said, 'If no one else is going to do it, we'll just open a place up.'"

From pulling the trigger on that decision to opening the doors of a meat market took just under a year, and the Manhattan Meat Market at 307 S. Seth Child Rd. welcomed its first customers on Friday, June 23.

Joining Worcester in the venture is Chad Bontrager, who serves as president of the board; Justin Law, Josh Roe and Jason Walker. All five had worked or still continue to work for the Kansas Department of Agriculture. "We all grew up in ag or now work in agriculture, so we had that tie to the industry," Worcester explained. "So it was just kind of a natural outgrowth of getting a little more serious about doing something like this."

Worcester continued that it isn't that the local grocery stores don't supply a good, wholesome product. "All the grocery stores serve their customers well, but there wasn't that place to get specialty meats, to have that higher level of customer service – that cut-to-order feel," he said.

So as they discussed their



With a large selection of locally sourced and specialty meats, the new Manhattan Meat Market will strive to provide the best possible service to their customers. dream with other people and began getting positive feedback as to the level of interest, the time seemed right to move forward. "A big part of it was market-driven," he stated.

Three major pieces had to come together, according to Worcester. First was location, which is always a challenge in a community like Manhattan that is continually growing. "We got through that, but it wasn't without its bumps," he described. Next was assembling the right employees. "We looked hard to find the right manager who could build the right team," he said. "Customer service is going to be a key aspect to whether people keep coming back to the market." Dustin Downie was hired as manager and head butcher and he set to work hiring the best people for the jobs. One of those is Eli Neal, whose background is as a chef. "Eli doesn't have meat-cutting experience, but he's got a culinary background and he's thinking about it from the preparation side," Worcester said. "When a customer comes in and is looking to do something special, Dustin is a great guy to talk about our

meat and Eli can talk about what you can do with it, how you prepare it best. What might be something unique you can do for a party or friends and family that are coming to town."

The third piece was lining up the product that would fill their cases and the suppliers they would work with. "Any perishable product is always a challenge in the retail environment," Worcester pointed out. "We want to have as much fresh product on the shelves as we can. We have no problem with frozen product, and it is valuable. We also know the customer wants to be able to come in and buy something and go right home and start preparing it." So figuring out what the right mix is and how they're going to manage those pieces has been a learning experience. "We have to get a feel for what the market wants. The one thing we know is, if customers in Manhattan want it, we can get it. The opportunity is to figure out how much of it and where and what form, so we're putting those pieces together now."

Manhattan Meat Market is a showcase of Kansas prod-



Dustin Downie is the manager and head butcher at the new Manhattan Meat Market. Downie worked as a meat-cutter for the Falley's supermarket chain through high school and after graduating from college, and brings a good deal of experience to the position.

ucts, with America's Best Steaks from Graham County, Sunny Day Beef, a grass-fed-and-finished product from Clay County, Allegiance Pork, Wendland Farms Red Wattle Pork produced right in Riley County and Brun-kow Lamb, from Pottawatomie County. Their featured beef product is Braveheart Beef, which grew out of discussions with the Beef Marketing Group headquartered in Manhattan. "The majority of the cattle that enter the Braveheart system are fed in Kansas, so I consider that a local story," Worcester said. "And I think it's a real success story for Manhattan." The bulk of Braveheart Beef is sold to restaurants on the east coast, so Worcester is excited to be one of the first meat markets to carry it, and to be located in Manhattan, Kansas, where the idea originated.

"We just think there are a lot of those kinds of stories to tell, more than what we are

telling right now," he said. "We anticipate growing our lines as we find what the consumer wants, but we want to continue to have those discussions with local producers."

Manhattan Meat Market gets their fresh product in the form of primals after it is processed at Bowser Meat Processing in Meriden. They are also developing a relationship with Clay Center Locker. "Once we get it here in primal form, we can cut it for the customer the way they would like and give people what they want," Worcester continued.

Looking down the road, Worcester hopes to develop relationships with local restaurants to supply their meat. "We would love to be the place that restaurants know they can come to and get two things: One- great service. We will help them any way we can to fill the needs they have whether they're short on a product or

Photos by Donna Sullivan

they want to run a special or revamp their menu. Number two, they know that they're going to get a great product when they walk out of here. They know if they get some lamb chops from us for a special this week and in three weeks they want to do it again, they're still going to get high-quality lamb chops the next time. We don't only want to be great at supplying, we want to be great at supplying a great product that is consistent over time," he summarized.

But their first priority will always be to serve the end-cook consumer.

"We definitely believe that Manhattan, which I believe is the hub for ag research and development and ag technology in the state of Kansas, deserves a great place to buy Kansas and High Plains products," he concluded. "And if you can't buy a great steak to prepare on your own grill in Manhattan, where can you?"

Mundhenke Beef named BIF Commercial Producer of Year

The Beef Improvement Federation (BIF) presented John and Gina Mundhenke of Mundhenke Beef near

Lewis, the BIF Commercial Producer of the Year Award June 1 during the group's annual meeting and symposium in Athens, Georgia. This national award is presented annually to a producer to recognize their dedication to improving the beef industry at the commercial level.

Diversification, commitment to principles and an underlying desire to make improvements each day are what make Mundhenke Beef a successful agricultural enterprise. Mundhenke Beef encompasses an Angus-based cow-calf herd, backgrounding yard and farming business. All enterprises are managed carefully and provide the diversification necessary to shoulder risk and uncertainty in today's agricultural industry. Although the operation is



Mundhenke Beef, Lewis, Kansas, was named the 2017 Beef Improvement Federation Commercial Producer of the Year during an awards ceremony June 1 in Athens, Georgia. Pictured from left are: John and Gina Mundhenke of Mundhenke Beef and Jay Carlson of BEEF magazine, award sponsor.

diverse in nature, the priority remains with the cow herd and its ability to produce high-quality beef in demand by consumers.

They started their herd with commercial black

Angus females, artificially inseminating (AI) them annually. They purchased 20 registered Angus donor females and, through several years of embryo transfer and using commercial cows as

recipient females, they replaced the core herd with the registered Angus.

Mundhenkes use a seven-day CO-Synch + CIDR fixed-time AI program on all their replacement heifers and 250 cows. They raise their own bulls and try to use full-brother sons of the sires they AI to for cleanup. Commercial cows are bred by natural service to Angus bulls. The breeding season is 60 days for heifers and 90 days for cows.

Through wise utilization of natural resources and years of selective breeding, Mundhenke Beef has developed an efficient, high-producing cow herd that yields offspring targeted for value-added, high-quality markets. Using outstanding genetics and the latest technology in their breeding program

has allowed the Mundhenke family to produce sound cattle from ranch to rail.

With the goal of constantly improving to meet customer demand, Mundhenke Beef is positioned to be a leader in the beef industry for generations to come.

More than 350 beef producers, academia and industry representatives were in attendance at the organization's 49th annual convention. BIF's mission is to help improve the industry by promoting greater acceptance of beef cattle performance evaluation.

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



Sow the seeds

By John Schlageck,
Kansas Farm Bureau

The farm has always been a fertile field for producing crops, but it is also an environment rich with learning experiences.

For generations, children who grow up and work with their parents on the family farm have learned valuable skills about cultivating crops. While they are learning to sow seeds, cultivate weeds and harvest grains, flowers and vegetables they are also gaining knowledge.

Lessons learned on the farm include math, social studies and vocabulary, leadership, not to mention cooperation and responsibility.

All those skills acquired in a field of soil and vegetation?

Absolutely.

Tucked away in those vast acres of grass, trees and

crops there's a living outdoor classroom teeming with lessons on life. Children who learn to care for the soil come to understand such basics as distance, depth and height. They learn that the bounty of plants that bears our food came from places all over the world – rice from the Far East, wheat from Russia, etc.

They see stems, leaves, seeds, flowers and bulbs in their hands, instead of in a book – an enduring way to plant words in their vocabulary.

While growing up with a land whipped by the wind, warmed by the sun and cooled by the stars, youngsters learn to respect their environment. They learn that by caring for this fertile land it will in turn care for them.

Such a valuable learning experience can provide children with the tools like-

ly to influence family and friends to respect the land as well, or at least raise their level of awareness. Youngsters also learn hope is not wishful thinking of harvest success. Rather, hope is the action of planning and planting seeds. There will be those years when harvest may not occur, but the seeds of hope must be planted if there is even the thought of a next year's bounty.

Learning outside can also be fun. If you don't think so, ask children who've been on a field trip. They appreciate the opportunity to spend a day in a natural classroom where they can trade fluorescent lighting and four walls for blue sky and white clouds overhead.

When given the opportunity to grow grains, flowers and vegetables, youngsters chart the progress of the plant. They invest in the outcome and that means harvesting their hard work, care and investment.

A big farm isn't necessary either. You can encourage students to consider growing and caring for a small plot with wheat, roasting ears or assorted vegeta-

bles, and be sure to equip the youngest with youth-sized tools. Remember they are still youngsters and do not possess the strength, knowledge and wisdom of an adult.

Suggest themes for young gardeners. Have them pick out a favorite story character – Peter Rabbit for example. Try a garden theme that appeals to a child's literal sense, such as an alphabet garden with plants that begin with the letters A to Z.

They could also plant a pizza garden and grow tomatoes, peppers and onions. They could visit a dairy farm to learn about the fundamentals of caring for cows that produce the milk that results in cheese on the pizza. Or maybe a visit to a cattle ranch to experience beef cattle being cared for that ultimately winds up as hamburger on a "pie."

Direct the children and instill in them that caring for a crop can be an adventure. Have them add excitement to the garden with decorations including scarecrows, painted stumps and tiles and child-sized benches.

Be certain not to put actions children would naturally attempt to do off limits. Encourage them to dig in the soil for earthworms. Tell them to pick the flowers – when they're mature. Have them pick up stones and play in the water on a hot, sticky day.

Above all, make certain the learning experience is enjoyable. Teach the children to make up songs about gardening and sing them together while working. Encourage them to keep a daily journal about each day's activity.

Take pictures of the learning journey along the way and add them to the journal. Yes, there can be an abundance of lessons to be harvested in the soil. Take the opportunity to provide such an experience for a child you know. Sow your own seeds of future success.

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.

Perdue, Mexican and Canadian counterparts pledge cooperation on NAFTA

Following a recent meeting in Savannah, Ga., USDA Secretary Sonny Perdue, Canadian Minister of Agriculture and Agri-Food Lawrence MacAulay, and Mexican Secretary of Agriculture, Livestock, Rural Development, Fisheries and Food Jose Calzada promised to work together as the NAFTA agreement is renegotiated.

In a statement issued at the conclusion of the talks, the three said, "Our three nations are connected not only geographically, but through our deeply integrated agricultural markets. Our trading relationship is vital to the economies — and the people — of our respective countries. We are working together to support and create good jobs in all three countries. We share a commitment to keeping our markets open and transparent so that trade can continue to grow. That mutual commitment was reaffirmed in our discussions this week."

"The North American Free Trade Agreement has greatly helped our respective agricultural sectors as well as our consumers who have benefitted from an ever-growing variety of safe, affordable food products all year around. While even the best trading partnerships face challenges from time to time, our agricultural differences are relatively few in the context of the \$85 billion in agricultural trade that flows between our three nations each year."

For the complete statement, go to <http://tinyurl.com/ycpeeku>.



Each week I start writing this column by typing the date of publication at the top of the page. This week the date was July 4. It sure caught me off-guard; this summer is just absolutely flying by. The Fourth of July is kind of the halfway mark of the summer in my world and I just cannot believe we are already here. It also means we are about a month from our county fair. Yikes, I had better quit thinking or I will give myself a panic attack.

In addition to marking the halfway point of summer, the Fourth of July is a big holiday in my world. I am not sure how the rest of the world sees this holiday because when you are from Wamego your view on the Fourth is skewed. The Fourth of July ranks fourth on my list of holidays behind Christmas, Easter and Thanksgiving.

I suspect holidays have special meaning for us in agriculture because it is kind of a calendar marker. When I was younger, the Fourth of July was the day you wanted to have wheat harvest done by. It was the break during the summer and if most of the work was done, Dad would come to the parade with us and maybe even buy some fireworks. But only if harvest was done.

When I was a little older it was a big holiday socially. It meant a trip to town for the parade, a jaunt to the carnival and maybe a get together at a friend's house. It was a chance to see school friends that I had not seen since May. I am not sure my town friends understood the importance of the holiday but it was super important for us more "isolated" country kids.

My hometown of Wamego has always done a great job of celebrating the Fourth – it is kind of our thing. We have one of the largest parades, a carnival, activities and, of course, the fireworks. The fireworks display in Wamego is the largest I have ever seen and quite possibly one of the greatest displays of volunteerism ever. Yes, the entire show is volunteer-led and run. If you have never seen it, you should experience it.

Of course, the most important part of the Fourth is to celebrate the birth of the greatest democracy the world has ever known. It is a time when we should all take time to appreciate the fact that we have

been so lucky that we could take part in this grand experiment of governance. No other nation has ever been as successful as the United States of America.

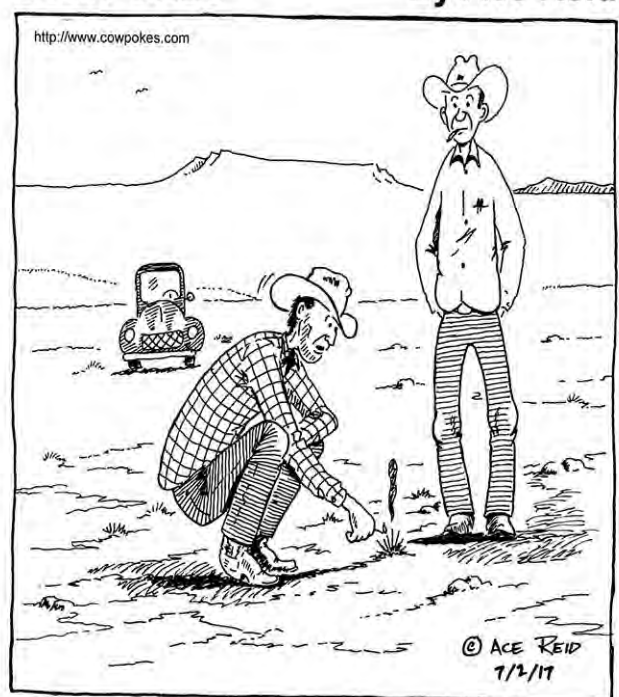
I know the news makes us look like we are not functioning very well. There are times recently where I found myself questioning whether our democracy was broken and if we had fallen victim to being controlled by either end of the political spectrum. History has a way of soothing those fears. I suspect if we would take a good look at our history, we will find times where our government was in just as much deadlock and divisiveness. After all, history has a way of repeating itself.

The encouraging thing about reviewing history is that we can see that we have survived similar periods and my guess is that we came out stronger on the other side. Does that mean we should not worry? Absolutely not, we should remain vigilant as citizens and protect our rights and our democracy with every fiber of our being. Outside of our religion, the freedoms and rights afforded to us as citizens of this great nation are our greatest possession and should be treated as such.

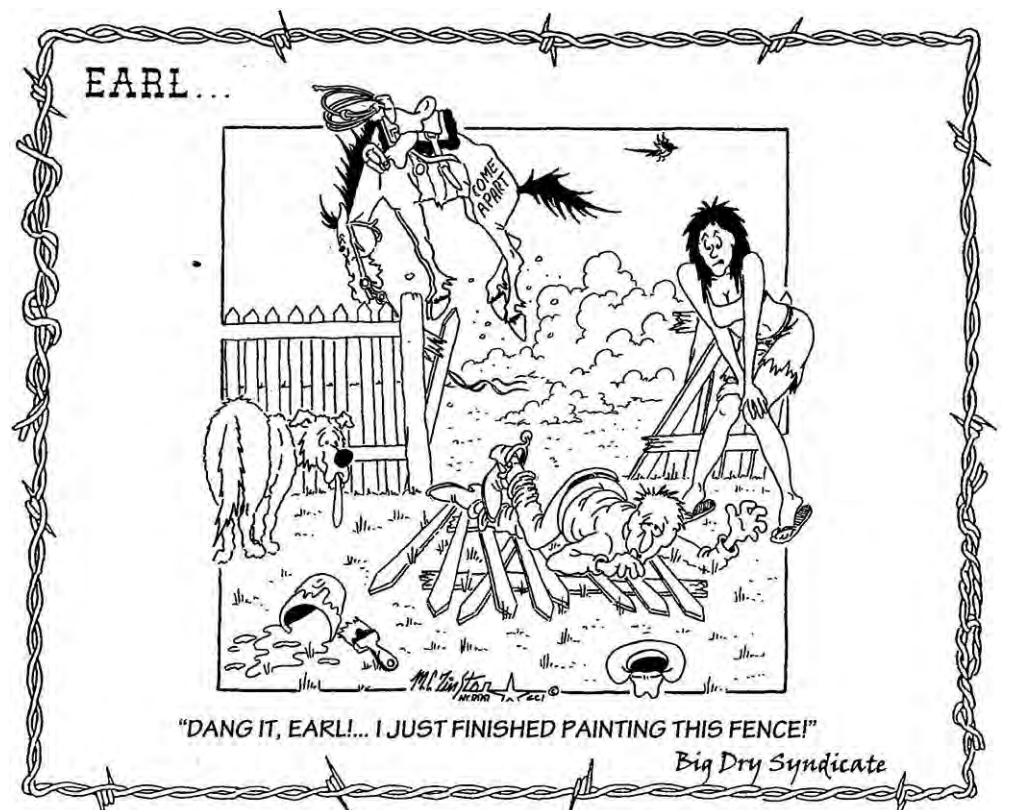
The best news is that as citizens of this great nation we can change the direction we are going in. However, it does take action on our part. The biggest threat to our democracy is apathy and not being involved in our own governance. That is why it is so important for each of us to take stock in what is important to us and to get involved politically. It does not mean we must dedicate our entire life to politics but rather to make our voices heard on issues of importance to us.

That is the real reason the Fourth of July is so important to each of us. Sure, the parades, BBQ and, of course, the fireworks are great but we must not lose sight of the real reason we take a break each summer. Each one of us should pause a minute to celebrate our great nation and our great democracy by pledging to do our part to maintain the freedoms and rights we are promised by taking an active role in the guidance of our government and look forward to many more Fourth of Julys to come.

COWPOKES® By Ace Reid



"It's bad when you ain't got enough grass to start a fire."



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Waters of the U.S. rule repealed - EPA and Corps now set to write replacement

By Donna Sullivan, Editor

President Trump and the EPA brought an end last week to what had been widely considered by agriculture group to be gross governmental over-reach by repealing the Waters of the U.S. (WOTUS) rule. Developed by the EPA and Corps of Engineers under the Obama administration, WOTUS greatly expanded EPA's jurisdiction under the Clean Water Act when it came to bodies of water. In February, Trump signed an executive order that directed EPA and the U.S. Army

Corps of Engineers to review the final 2015 WOTUS rule and publish for notice and comment a proposed rule rescinding or revising the rule. The EPA and Corps of Engineers will now begin a process to gather information and write a replacement rule.

"I'm pleased Administrator Pruitt and the EPA have listened to our concerns and has taken an important first step to rescind the infamous WOTUS rule," said Sen. Pat Roberts. "For too long this rule has burdened not only farmers and ranchers, but landowners of all sizes

across the country."

"As Kansas farmers, ranchers, businesses and even municipalities know all too well, WOTUS dramatically expanded the reach of the federal government with minimal improvements in water quality," Rep. Roger Marshall said.

"The goal of the Clean Water Act is to restore and maintain the integrity of the nation's waters," said National Corn Growers Association president Wesley Spurlock. "The 2015 rule move us further away from that goal. Repealing it is an important first step toward

providing farmers the certainty and clarity we have long desired."

The American Soybean Association called it a "significant step toward greater regulatory certainty for soybean farmers."

ASA vice president John Heisdorffer said, "Soybean farmers have been watching the Waters of the U.S. rule since its unveiling in 2015 as an unfortunate example of the positive goal of clean water obstructed by unworkable and impractical federal regulation. Farmers cannot operate without clean water, and each of

us takes his or her role as a steward of that resource very seriously." He went on to say that the rule subjected the creeks, streams and ditches on every operation to an "overly broad, one-size-fits-all regulatory definition that made no sense for our individual farms."

Kansas Attorney General Derek Schmidt was part of a lawsuit challenging the rule's legality that resulted in its being blocked in federal courts. He issued a statement following the announcement of the rule's demise. "Kansans have argued for years that the Obama ad-

ministration's WOTUS Rule was an unlawful over-reach by the federal government that invaded state authority and offended private property rights. I applaud today's efforts to begin withdrawing this rule, which multiple federal courts have agreed was unlawfully crafted and which we have successfully blocked by federal court order. Moving forward to formally repeal the WOTUS rule marks another step in returning traditional powers to the state, local governments and individual property owners."

Roberts introduces bipartisan legislation to help farmers purchase new equipment and replace worn-out machinery

U.S. Senator Pat Roberts (R-Kan.) has joined fellow senators Amy Klobuchar (D-Minn.) and Jon Tester (D-Mont.) to introduce the bipartisan Agriculture Equipment and Machinery Depreciation Act to help farmers purchase new equipment and replace worn-out machinery by amending the U.S. tax code to permanently set a five-year depreciation schedule for certain agricultural equipment. The current tax code sets a seven-year depreciation cost recovery period for agricultural equipment. Changing the depreciation schedule for agricultural equipment to five years would make the tax code more consistent and support rural development by aligning the length of time that farmers can take a depreciation deduction with the average useful life of that property.

"This commonsense legislation will give farmers and ranchers the certainty they need to invest in new, more modern equipment so they can create more jobs and growth in our communities," said Roberts, chairman of the Senate Agriculture Committee. "A five year depreciation schedule allows for predictability and fairness in our overly complex tax code, giving the agricul-

ture community the ability to produce more efficiently and at a lower cost."

"In Minnesota, our prosperity depends on supporting and strengthening farms and rural communities," Klobuchar said. "Making the tax code more consistent with how farmers finance new equipment will allow them to write-off equipment costs sooner and put money back in their pockets. In turn, they will be better able to create jobs and boost our economy."

"This bipartisan bill puts money back in the pockets of family farmers and ranchers," Tester said. "With commodity prices down across the board, it is critical that our tax code is up to date and reflects the needs of hardworking farmers and ranchers."

Under the tax code, taxpayers are allowed a depreciation deduction to allow them to recover the costs of investing in certain property, like farm machinery and farm-use motor vehicles. The recovery period for the deduction should match the useful life and financing of that property. According to surveys from the USDA's Farm Service Agency, on average farmers and ranchers finance farm equipment and machinery for five years.

Emergency CRP grazing extended

Recently USDA granted a 90-day extension of the emergency CRP grazing authorization for livestock producers in Texas, Oklahoma and Kansas counties affected by wildfires this past March. The extension will run through Sept. 30, 2017, for the following counties:

Texas - Armstrong, Carson, Collingsworth, Donley, Gray, Hansford, Hemphill, Hutchinson, Lipscomb, Moore, Ochiltree, Potter, Randall, Roberts, Sherman and Wheeler

Oklahoma - Beaver, Ellis, Harper, Roger Mills, Woodward and Woods
Kansas - Clark, Comanche, Ellis, Ellsworth, Ford, Hodgeman, Kiowa, Lane, Lincoln, Meade, Ness, Russell and Seward.

The extension was requested by U.S. Reps. Mac Thornberry (R-Clarendon), Frank Lucas (R-Cheyenne) and Roger Marshall (R-Great Bend), who collectively represent the areas impacted by the wildfires. To read Agriculture Secretary Sonny Perdue's official response to the request, go to <http://tinyurl.com/yae5m2y9>.



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Winner Loretta Shepard, Helena, Oklahoma: "These pull-apart rolls are so good for breakfast. My grandchildren love them."

CHOCOLATE STUFFED STICKY BUNDT

- 24 Rhodes dinner rolls, thawed, but still cold
- 1 1/2 cups milk chocolate chips
- 1/2 cup sugar
- 1 tablespoon cocoa
- 1 teaspoon cinnamon
- 1/2 cup chopped pecans OR toffee bits
- 1/2 cup butter
- 1/2 cup brown sugar

Cut rolls in half. Wrap each half in a few chocolate chips and cover completely enclosed. In a bowl mix sugar, cocoa and cinnamon. Dip each roll half in sugar mixture and coat well. Place in a large sprayed bundt pan. Sprinkle remaining sugar mixture and pecans (OR toffee bits) over rolls. Stir together butter and brown sugar. Microwave 30 seconds; stir well and pour over rolls. Cover with plastic wrap and let rise until almost to top of pan. Remove wrap and bake at 350 degrees for 35 minutes. Invert immediately onto platter.

Millie Conger, Tecumseh: "Good on pound cake, toast, etc."

STRAWBERRY BUTTER

- 1/2 cup sliced strawberries
- 1 stick butter

In a food processor pulse on and off until the butter is combined.

Barbara Barthol, Olathe: "In trying to think about preparing dinner on a hot day, I find myself going to my Crock-Pot Recipe of the Day Calendar, a gift from a dear friend 2 years ago. Love knowing dinner will be ready whenever we decide to eat — crock-pots are wonderful! This recipe uses the original size pots, not the large oblong pots."

BLUEBERRY COBBLER

- 3/4 cup biscuit baking mix
- 1/2 cup packed brown sugar
- 1/3 cup granulated sugar
- 2 eggs
- 1 teaspoon vanilla
- 1/2 teaspoon almond extract
- 1 can (5 ounces) evaporated milk
- 2 teaspoons melted butter
- 3 cups fresh or frozen blueberries
- Vanilla ice cream for serving on top

Spray inside of crock-pot with nonstick cooking spray. Combine biscuit mix and both sugars in large bowl. Add eggs, vanilla and almond extract; stir to combine. Add evaporated milk and butter; stir to blend. Pour about 1/4 of batter into prepared crock-pot. Place blueber-

ries on top. Pour remaining batter over berries. Cover and cook on low 5 to 6 hours. Serve warm with ice cream on top. Makes 4-6 servings.

ROSE EDWARDS, STILLWATER, OKLAHOMA: MARINATED CHERRY TOMATO SALAD

- 1/4 cup olive oil
- 3 tablespoons apple cider vinegar
- 3 tablespoons chopped fresh parsley
- 1 tablespoon chopped fresh basil
- 1 teaspoon fresh oregano
- 1 1/2 teaspoons sugar
- 3/4 teaspoon salt
- 4 cups halved cherry tomatoes

Mix all ingredients except tomatoes. Poor dressing over tomatoes. Cover tightly and put in refrigerator for 2-8 hours. Gently stir to coat before serving.

LYDIA MILLER, WESTPHALIA: DELICIOUS APRICOT CHICKEN

- 1 chicken, cut up
- 1 cup apricot jam or preserves
- 8-ounce bottle Russian salad dressing
- 2 teaspoons curry powder
- 1 package dry onion soup mix

Place chicken, skin side up, in greased 9-by-13-inch baking dish. Mix remaining ingredients. Spoon over top of chicken. Bake at 350 degrees for 30 minutes. Baste chicken and continue cooking 30 minutes, basting occasionally.

K-State specialist says preparation is the key to preserving food safely at home

MANHATTAN — Ripe tomatoes and fresh fruit may be months away, but home canning of these and other foods requires planning and preparation, even ahead of the planting.

"We recommend that you try to can or preserve what you think you're going to be using within the next year," said K-State Research and Extension food safety specialist Karen Blakeslee. "Check your basement, check your freezer, take inventory what you have and then go from there."

The three most common forms of food preservation are freezing, drying and canning. Blakeslee said freezing is the easiest, but water bath canning is not that difficult, if directions are followed.

"It's basically a big pot of water, a rack and a lid — that's all the equipment you need," she said. "Water bath canning works well for acidic foods like tomato products, jams and jellies."

If using a pressure canner, whether it's your first year or 20th year, any gauges need to be checked for accuracy. For many, though not all brands of pressure canners, local Extension offices generally have pressure gauge testers that can be used free of charge. Blakeslee said other parts of a canner need regular inspections, too.

"If you have a rubber gasket on your pressure canner, make sure it's still pliable — it's not cracked or dried out," she said. "Check the little rubber safety plugs. Make sure that the vent stem is clear so it's not plugged up with any food debris."

A well-maintained canning jar can be reused several times, provided it's kept free of cracks, chips and scratch-

es. Blakeslee cautioned that lids should be used only once. She added that consumers may see some new jar designs on the shelf this year with the older jars that are being phased out.

One new item that Blakeslee is skeptical about is the electric pressure cooker, an appliance that has become popular within the past couple of years. Blakeslee cautions consumers who want to use these for home canning. "The canning process is very driven by what temperature you get your products to," she said, "and with these new pressure cookers, we just don't know. Some of the newer recipes call for a specific temperature, and these electric pressure cookers don't always provide that information."

If proper temperatures and/or pressures are not met, the canned food could become contaminated with a germ that causes botulism, a potentially fatal illness. The Centers for Disease Control and Prevention has a page devoted to home canning and botulism.

One strategy to reduce the risk of foodborne illness is to avoid outdated publications, cookbooks and recipes. When it comes to recipes, Blakeslee says consumers should stick to recipes published in 1994 or later.

"In 1994, the USDA changed a lot of their testing and their recommendations on how food should be safely canned," she explained. "If you're using random recipes you've found online, or even older recipes passed down through your family, those may not be safe. So we recommend tested recipes from the USDA, Extension resources, or even the Ball Company. Ball has published cookbooks that have lots of great recipes."

More helpful information on safe home canning and food preservation can be found at local Extension offices. Blakeslee will be hosting a series of food-preservation workshops across Kansas during the month of May. The "Preserve It Fresh, Preserve It Safe" website has the current schedule, as well as links to publications, videos and more.

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Can You Stop the Clock?

By Nancy Nelson, Agent
Meadowlark Extension
District
Family Life

There are many theories that attempt to explain the underlying cause of aging. While none of these can explain the aging process fully, research has provided a much better understanding of how your body changes as you grow older.

Aging is inevitable. There is really no way to stop the clock, but you can slow the march of time with regular exercise, better nutrition, and reducing or managing psychological stress.

Regular exercise is helpful in slowing down the aging process on the outside as well as the inside of your body. Muscles begin to change around age 35, when you start to lose muscle mass and gain fat. Exercise can slow down muscle loss and keep your metabolism high, which also prevents weight gain.

With regular exercise, most people have less joint pain, less bone loss, and they retain their mobility longer. All of these things change the way you look because your posture is better, and you are able to walk and move with less pain.

Exercise has a huge impact on the health of your body on the inside and is key to preventing many types of disease. In fact, it is hard to find a disease that exercise doesn't help with. Reg-

ular weight-bearing activity strengthens bones, so enjoy walking, hiking, weight training, climbing stairs, playing tennis, and dancing. Even yoga can build bone health in your hips, spine, and wrists — bones that are most vulnerable to fracture.

Another benefit of an active life is a healthier heart. Your heart is a muscle and it gets stronger with exercise, just like any other muscle, and it is never too late to start exercising and reaping the benefits. Your chances of getting heart disease are almost double if you are not active.

Development of type 2 diabetes is influenced by genes you inherit, but they take a back seat to lifestyle and behaviors you choose in determining if you will develop the disease. For most people, type 2 diabetes can be prevented by losing weight, exercising regularly, making better nutrition choices, and avoiding smoking. For those who have diabetes, balancing good nutrition and exercise is the key to managing the disease.

Exercise is good for your brain, too. With regular activity your brain functions better, your memory improves, you have a brighter outlook on life, you feel more confident, and you have more energy.

While you might prefer a quick and easy road to the fountain of youth, exercise is well worth the effort you put into it.



By Ashleigh Hett

I'm pleased to say that you've stumbled upon a one of a kind recipe! (seriously, Google "bangle cookies" and you won't find anything like these!)

Very similar to a thumbprint cookie, it's a yummy, simple, peanut butter cookie with a soft, chocolate filling.

They take a short amount of time to make and were such a hit with the family! One tip is to make them in a big batch and then freeze in between waxed paper layers.



You'll Need:

- 2 sticks butter, softened
- 2 cups brown sugar
- 1 1/2 cups creamy peanut butter
- 2 eggs
- 1 1/2 teaspoons vanilla
- 2 1/2 cups flour
- 1 teaspoon baking powder
- 1 teaspoon baking soda

Filling:

- 3 ounces cream cheese, softened
- 3 tablespoons light corn syrup
- 1/2 teaspoon vanilla
- 1 cup semi-sweet chocolate chips
- 1/2 cup powdered sugar

Preheat oven to 350 degrees.



Start by mixing together the butter, brown sugar, and peanut butter. Mix until it's well blended and then add in the eggs and vanilla. Beat well!

In a separate bowl, stir together the flour, baking powder, and baking soda.



Gradually add the flour mixture into the peanut butter and stir gently until it's all mixed in.

Shape into 1-inch balls and place on an ungreased cookie sheet.



Press your thumb gently into each ball to make a dimple and then bake for 8 to 10 minutes.

When they come out of the oven, they'll look like

semi-flat little marshmallows. Take a teaspoon and press it into the middle of them to give them a dimple again, and then let cool for a few minutes!

Now for the filling! Melt the chocolate chips in a bowl and set aside for a few minutes.

In another bowl, beat together the cream cheese, corn syrup, and vanilla.

Stir into the melted chocolate, still beating together, and then gradually add in the powdered sugar.



Beat together a little longer and then use a butter knife to swirl the filling onto the cookies gently.

Let sit for a few minutes and then serve or store in an airtight container in the refrigerator.

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 and easy DIY projects, 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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KARL program begins transition, announces J.J. Jones as interim president

The Kansas Agriculture and Rural Leadership board of directors announced J.J. Jones as the new interim president of the KARL program, effective July 1, 2017. Jones will succeed Alvin Davis, who resigned from the position.

As interim president, Jones will usher in a new strategy to further the vision, mission, and direction of the long-time leadership program focused on developing excellence in rural and agriculture industry leadership. "J.J. brings deep roots in

agriculture and a passion for leadership to the program," said Jerry McReynolds, chairman of the KARL board of directors. "That background is a perfect fit to kick-start the new strategy and vision the board of directors has set."

that will benefit rural Kansas and the agriculture industry."

Steve Baccus, vice-chair of the board, said the board acknowledges that the resignation of Davis prompted the shift in strategy and direction, and said Jones will be able to "step in and get Class 14 started."

"J.J. is connected to agriculture, and as a graduate of Class 10 will be able to help guide the next class as they prepare for their two-year

journey," Baccus said.

The KARL board recently introduced the program's 14th class, and is committed to the class's success moving forward.

The program will begin a search for a permanent president with the application process opening on June 21 and closing on July 15. Anyone interested in applying for the position is encouraged to contact Janice Lierz, executive assistant, at the KARL office located in

Umbarger Hall on the Kansas State University campus. Lierz can be reached at jlierz@ksu.edu or by calling 785-532-6300.

The Kansas Agriculture and Rural Leadership program is a 501(c)(3) non-profit, educational organization dedicated to developing leaders for agriculture, business, and rural communities. More information can be found at www.karlprogram.com or on the KARL Facebook page.

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Mark your calendars for the 63rd annual 3i Show

Western Kansas Manufacturers Association (WKMA) is gearing up for the 63rd Annual 3i SHOW. The 3i Show boasts a little something for everyone! The show will be held October 12, 13, and 14, 2017, at the Western State Bank Expo Center in Dodge City. Show

hours will be from 9 a.m. to 5 p.m. Thursday and Friday, and 9 a.m. to 4 p.m. on Saturday.

An agricultural showcase, the 3i Show provides a face-to-face, hands-on selling environment with information to assist with farm and ranch buying decisions. All types of agricultural equipment and services are on display each year, including cattle handling equipment, crop protection information, farm machinery and equipment, trucks and truck equipment, pickup trucks and more. Those interested in exhibiting should contact space today to get as much publicity as possible

as many marketing deadlines are fast-approaching.

Risk Management, Internet Marketing and other informational and educational sessions are being planned! High School Ag Career Day will be held opening day, offering high school students the opportunity to learn about careers in agriculture. The Kansas Department of Wildlife will return with their Genesis compound bows, arrows, targets and an arrow stop for attendees to experience archery with the help of trained instructors. In addition, the 3i SHOW hosts many other events, including health programs, con-

sumer product and safety demonstrations, congressional forums, antique tractor and truck displays, educational fun and a variety of food booths.

For complete information, visit www.3ishow.com, or contact the WKMA office directly toll-free at 877-405-2883 or locally at 620-227-8082. To receive continued updates and information about the 3i SHOW and upcoming events, like the 3i SHOW Facebook page and follow them on Twitter and Google+.

Jury awards \$218M to Kansas farmers in Syngenta suit

(AP) - A federal jury in Kansas has awarded nearly \$218 million to farmers who sued Swiss agribusiness giant Syngenta over its introduction of a genetically engineered corn seed variety.

The verdict after a three-week trial in Kansas City, Kansas involves four Kansas farmers representing more than 7,000 farmers in the state. Another trial involving about 60,000 cases begins next month in Minnesota.

The lawsuits allege Syngenta introduced the seed variety to the U.S. market before China approved it for imports, wrecking an increasingly important export market for U.S. corn and causing price drops.

The Kansas trial was the first test case. It and the Minnesota trial will provide guidance for how the complex web of litigation in state and federal courts could be resolved.

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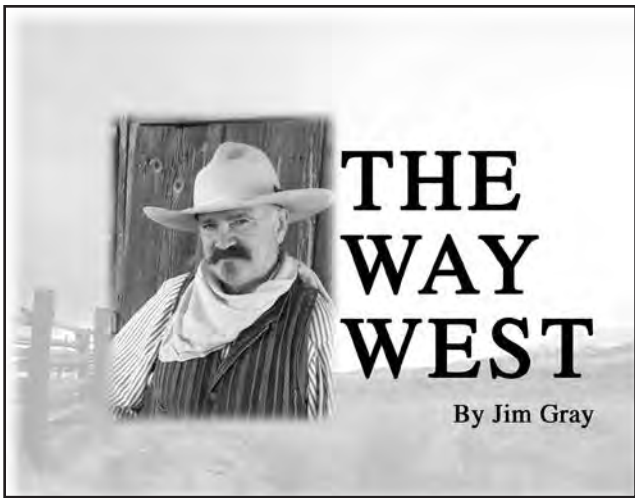
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THE WAY WEST

By Jim Gray

The Last Indian Fight in Osborne County

History comes to me in a lot of different ways. Most of the stories that I tell are from larger stories that I have collected over the past twenty-one years, a few go back a lot further. Sources come from books, magazines, newspapers, museum archives, internet pages, and personal interaction with interesting folks that I have had the good fortune to meet. I've gotten some really good tips from readers and if you haven't seen your particular storyline yet, hang on! It's in the works.

Last fall I was driving home from a funeral on Kansas Highway 24. The day was absolutely beautiful and I was thoroughly enjoying the drive. The highway runs through the valley of the South Fork of the Solomon River. The tree line indicating the course of the river was on my right as I traveled east. At Alton I turned off to drive Main Street of the town that had once been

known as Bull City. That's a story for another time.

Back on Highway 24 I nearly passed a historical marker. Luckily it as an open road with no one ahead or behind. Brakes applied, the car came to a stop. Throwing the shifter into reverse I backed a short distance before turning into the pull-off. In bold letters the marker stated that the "Last Indian Fight in Osborne County" had taken place south of the marker at a place called Bullock's Ranch.

With increasing curiosity I drove into Osborne hoping to discover "the rest of the story". After a bit of a search in the Osborne Library the Indian raid at Bullock's Ranch came to life once again.

The valley of the South Fork of the Solomon River was a natural outlet for hunters to reach the great herds of buffalo on the western plains of Kansas. Among

the hunters that followed the South Fork were William and Charles Bullock. Most of them shot their buffalo, loaded the meat in wagons and returned to their homesteads in the east. In January of 1870 the Bullock brothers came upon a suitable homestead location which they began to develop in March of that same year. The location is described as two and one half miles west of present-day Osborne and approximately one half mile south on the north bank of the river.

A one-room log cabin surrounded by a stockade made of poles was constructed from the native timber growing along the river. Being the first permanent settlement in Osborne County, hunters and settlers were drawn to "The Bullock Brothers Ranch." Not long after the stockade was finished signs of Indians lurking nearby were found on along the river and surrounding prairie.

Hugo Weston was a toddler at the time. In 1939 he wrote that being too young to remember he could only tell what he had heard from his family in later years. A handful of settlers were staying at the stockade when a party of ten buffalo hunters rode in after dark the evening of July 2, 1870.

The next morning just before sunrise Hugo toddled after his Aunt America as she walked beyond the stockade to milk the cow in a nearby corral. With the rising sun the Indians began their attack. America picked Hugo up on the run. She ducked inside the stockade just as a bullet struck a post near her head.

"Will Bullock was in bed yet when the fight started.

His bed was just inside the stockade near a porthole. He raised up in his blankets, stuck his gun through the porthole and kept blazing..." Weston also wrote that, "The men in the stockade immediately swarmed out into the open and gave the Indians a warm reception. One of the hunters by the name of White had picketed his horses near the stockade the night before. He coolly walked out, got his horses, and led them into the stockade with the Indians sometimes within thirty feet of him, trying to kill him, but he never got a scratch, and saved his horses."

In the midst of the shooting Dave Willis' Spencer rifle jammed. Charlie Bullock thought that was a good joke as he and Dave both were sweet on America and were trying with all their might to make a good impression on her. Although when the fight was over they returned to the stockade laughing and joking.

Two of the attackers were shot from their horses and carried away by other riders. A bloody blanket and revolver were left on the field of battle. A body was later found hidden in a pile of driftwood on the river. Settlers quickly streamed into Osborne County and "The Last Indian Fight in Osborne County" became the stuff of legend 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 Drivers Hall of Fame. Contact Kansas Cowboy, P.O. Box 62, Ellsworth, KS 67439. Phone 785-531-2058 or kansascowboy@kans.com.*

Pro-GMO documentary hopes to turn public discourse toward science

Last year, a Pew Research poll gauged public sentiment toward genetic engineering of food crops (familarly, GMO). The results showed that while the public is consumed with fear and suspicion, scientists view the technology as safe and effective.

But this trend is changing with a new series of scientific documentaries, the first of which is a film titled "Food Evolution." The documentary examines the issues by taking a close and personal look at several global agricultural situations, the personalities involved, the successes, and most painfully, the damaging consequences of our failure to deploy useful technology that can help those in need, according to the Genetic Literacy Project.

"Food Evolution" conveys a scientific story with imagery, humanity and compassion that scientists never could alone. The film is narrated by Dr. Neil deGrasse Tyson, adding his gravitas to this important topic.

To read more about this possible game-changer in the GMO debate, go to <http://tinyurl.com/y9lyjba0>.



Buchanan's Ernie won grand champion steer at the 2017 Kansas Junior Angus Association Preview Show, June 3-4 in Hutchinson. Clay Pelton, Paradise, owns the March 2016 son of PVF Surveillance 4129.



TAF Buddy 6104 won grand champion commercial purebred Angus steer at the 2017 Kansas Junior Angus Association Preview Show, June 3-4 in Hutchinson. Truman Taliaferro, Valley Falls, owns the April 2016 son of Taf 9969 1313. Bill Conley, Clarksdale, Mo., evaluated the 105 entries.

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Soybean rust study will allow breeders to tailor resistant varieties to local pathogens

Midwestern growers don't worry much about soybean rust, but the fungal disease has been popping up at the end of the growing season nearly every year since 2006. But because the fungus can't survive winter without a host plant, it's not much of a threat to Midwest crops under current conditions.

Right now, the disease only impacts U.S. soybean growers in the frost-free south, and only over-winters in parts of the Gulf Coast and the Caribbean basin. "But if the frost-free zone were to expand northward sometime in the future, there would be a greater potential for soybean rust

to impact Midwestern growers," says Glen Hartman, plant pathologist in the Department of Crop Sciences at the University of Illinois and crop pathologist for USDA-ARS.

Even though the major soybean-producing region in the United States is currently safe, Hartman and his

collaborators aren't willing to let the ball drop on soybean rust. "We'd like to stay ahead of the game by knowing more about the pathogen and whether strains of the fungus can overcome soybean rust resistance genes," he says.

The disease is also active and spreading in many

other parts of the world. In Africa and other continents, soybean losses of up to 80 percent have been reported due to this disease. "People talk about walking through soybean fields and stirring up clouds of spores," Hartman says. The team verified soybean rust first in Ghana, then Malawi and Tanzania, and most recently Ethiopia in 2016.

Hartman notes that fungicides can be effective, but the chemical strategy comes with several pitfalls. "Spraying fungicides over millions and millions of acres does not always provide effective control and certainly is not environmentally appealing," he says. The problem wouldn't be solved with a single treatment, either. In Brazil, where losses up to 75 percent have been reported, producers often spray two or three times every growing season. Finally, the pathogen can develop resistance to fungicides, making them less effective.

Hartman believes the way forward is finding rust-resistant soybean varieties. In a recent study, he and several international collaborators tested the ability of ten such varieties to stand up against rust strains from around the world. None of the soybean varieties were able to resist all of the rust strains that were tested, but a few showed promise.

"Soybean genotypes carrying Rpp1b, Rpp2, Rpp3, and Rpp5a resistance genes, and cultivars Hyuuga and UG5 (carrying more than one resistance gene), were

observed to be resistant against most of the African rust strains, and therefore may be useful for soybean-breeding programs in Africa and elsewhere," Hartman says.


On the flip side, the researchers also evaluated which rust strains were the most destructive. It turned out that strains from Argentina were the most virulent. One of them was able to cause full-blown disease symptoms – tan spore-producing lesions on the leaves – on eight soybean lines, including two with multiple resistance genes.

The study's major conclusion is that it won't be as simple as choosing one soybean variety with resistance and rolling it out for commercial use around the world. Instead, it will take a more tailored approach, pushing out the varieties whose specific type of resistance offers the best chance of maintaining effective resistance to local rust strains.

The article, "Virulence diversity of Phakopsora pachyrhizi isolates from East Africa compared to a geographically diverse collection," is published in *Plant Disease*. First author H. Murithi is from the International Institute of Tropical Agriculture in Tanzania. Co-authors include J. Haudenschild, F. Beed, G. Mahuku, M. Joosten, and Hartman. The research was supported by the International Institute of Tropical Agriculture and the USDA Agricultural Research Service.

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KDA program receives food safety award

The food safety and lodging program in the Kansas Department of Agriculture received the 2017 Elliot O. Grosvenor Food Safety Award from the Association of Food and Drug Officials (AFDO) at their annual conference in Houston, Texas, on June 20.

The Grosvenor Award is selected by a panel of judges

to recognize outstanding achievements made by food safety programs across the U.S. and in Canada. The award goes to a program that showcases improvement, innovation or sustained high performance. The KDA program was honored due to its commitment to consumer protection and food safety statewide, and

in particular for its proactive work in food safety education in the growing cottage food industry.

The KDA food safety and lodging program is responsible for food safety inspections of food establishments, including

restaurants, grocery stores, convenience stores and schools, along with food processors and lodging establishments. Nearly 50 inspectors cover the state of Kansas, promoting public safety by regulating the production and sale of food

products in Kansas.

For more information about the KDA food safety and lodging program, contact Steve Moris, program manager, at 785-564-6767 or kda.fsl@ks.gov, or visit the website at agriculture.ks.gov/fsl.



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2015	S570	1102869	A71 SJC TS	635	Manhattan	\$42,282	\$31,925
2015	S570	1102632	A71 SC TS	235	Manhattan	\$41,494	\$31,325
2015	S590	1100820	A71 SJC TS	655	Wichita	\$41,196	\$31,100
2015	S590	1104004	A71 SC TS	190	Manhattan	\$43,973	\$33,175
2015	S590	1108236	A91 SC	30	Manhattan	\$44,583	\$33,650
2015	S590	1098805	A71 SC TS	699	Garden City	\$39,938	\$30,150

Bobcat S650 Skid-Steer Loader

• 74 hp, 2690 lb rated operating cap, 74" wide, 10' dump height

Year	Make	Stock #	Options	Hours	Location	Regular Price	REDUCED
2015	S650	1103415	A71 SJC TS	880	Manhattan	\$45,067	\$34,200
2015	S650	1108109	A71 SJC TS	640	Manhattan	\$46,990	\$35,450
2012	S650	1056314	A71 SC TS	1297	Wichita	\$37,075	\$28,000
2015	S650	1115991	A71 SC TS	750	Manhattan	\$45,095	\$34,025
2015	S650	1100008	H51 SC TS	660	Wichita	\$43,299	\$32,675
2015	S650	1104003	A91 SC	675	Garden City	\$45,265	\$34,150
2015	S650	1101270	A91 SJC	370	Wichita	\$46,082	\$34,825
2012	S650	1055526	A91 SC	1745	Garden City	\$37,875	\$31,700
2015	S650	1103416	A91 SC	402	Manhattan	\$50,286	\$37,915
2015	S650	1106334	A91 SJC	230	Manhattan	\$49,295	\$37,175

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2015	S770	1112651	A71 SC TS	375	Manhattan	\$58,795	\$44,985
2015	S770	1112538	A71 SC TS	475	Manhattan	\$59,950	\$45,175
2015	S770	1123847	A91 SJC	276	Wichita	\$54,450	\$41,050

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A71: Cab H/AC, Power Bobtach, Sound Reduction	A91: A71 plus High Flow, 2-Speed, Bucket Positioning, Block Heater
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SJC: Joystick Controls	SC: Standard Controls (stick & pedal)
	H71: H51 plus Sound Reduction
	TS: 2-Speed

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Nearly \$1 million grant to help university researchers develop prediction models for determining best new winter wheat varieties

A nationally funded project by Kansas State University wheat researchers could help determine more quickly which new candidate varieties of wheat will produce superior yields and baking quality.

A team of wheat breeders and geneticists at the university has received a

nearly \$1 million grant from the U.S. Department of Agriculture's National Institute of Food and Agriculture, or NIFA, and the Kansas Wheat Commission for "An Integrated Omics Approach to Accelerating Wheat Quality Improvement."

"NIFA and the Kansas Wheat Commission, in re-

sponse to the commodity board provision in the 2014 Farm Bill, are co-funding Kansas State University researchers to increase understanding of the genes responsible for wheat quality as well as improve selection strategies that will speed the delivery of superior varieties to wheat farmers," said Justin Gilpin, CEO of the Kansas Wheat Commission. "Kansas wheat farmers, through the Kansas Wheat

Commission, are proud to sponsor this important work along with NIFA to help enhance quality and add value to winter wheat in the southern Plains."

The university's team is led by Jesse Poland, associate professor of plant pathology and a wheat geneticist, and includes Allan Fritz, professor of agronomy; Guorong Zhang, associate professor of plant pathology at the university's

Agricultural Research Center in Hays; Eduard Akhunov, professor of plant pathology and wheat genomics; and Rebecca Miller, research associate professor of grain science and industry and director of the university's Wheat Quality Lab. Fritz and Zhang are wheat breeders, while Akhunov is a wheat geneticist. Miller specializes in wheat and flour quality and in baking and cereal chemistry.

genomic prediction models for important traits such as milling and baking," Poland said. "These prediction models can then be used for selection of superior candidate varieties."

To speed up the process of determining which new varieties of winter wheat are best, Poland's research team will take an integrated approach to develop profiles on each breed's genomics and other "omics": proteomics for proteins; metabolomics for metabolites; and ionomics for minerals. These factors will be evaluated as determinants of wheat quality, and the information will be combined to develop improved models for yield and quality.

With the world's population estimated to reach 9.6 billion by 2050, more food — and more nutritious food — will be needed, making wheat even more important to feed a hungry world, according to Poland. But developing new wheat breeds is an expensive and time-consuming process that often produces candidate varieties that may be high-yielding but of poor quality. The new project aims to develop prediction models to better determine which new wheat breeds have the best potential for yield combined with good baking quality.

"Such integrative genomics' approaches hold great promise to identify genes and biological pathways that underlie complex agronomic traits in wheat and develop novel strategies for accelerating wheat improvement," Akhunov said.

"New DNA sequencing technology has enabled the determination of genetic differences between candidate wheat varieties as well as the development of

For the project, advanced breeding lines in Kansas State University's wheat program will be profiled for milling and baking quality. Proteomic, metabolomic and ionic profiles of the parental and advanced breeding lines, as well as genomic profiles of all breeding lines, will be generated. Then the researchers will develop, test and implement novel prediction models using the genomic profiles combined with the other "omics" data as predictor variables and phenotypes, or characteristics.

"We will test and implement the integrated models in new breeding lines to accelerate the wheat breeding process for improving quality," Poland said. "Overall, this project will lead to an increased understanding of the genetic determinants of wheat quality as well as improved selection strategies that can result in accelerating the delivery of superior varieties to wheat farmers."

The new project follows up on previous projects Poland's lab has conducted involving high-throughput genotyping and work involving the wheat genome. Poland's research has been honored with the National Association of Plant Breeders' 2016 Early Career Scientist Award, which recognizes a young scientist who is active in the field of plant breeding.

Poland also serves as director of the university's Feed the Future Innovation Lab in Applied Wheat Genomics. The lab, supported through the U.S. government's Feed the Future initiative to reduce global hunger and improve food security, uses research, education and outreach to advance solutions to hunger, poverty and undernutrition in low-income countries. The lab is conducting research at Kansas State University and in Mexico and southern Asia.

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History of Kansas FFA, rural life being preserved with help of Kansas State University undergraduate researchers

The Chapman Center for Rural Studies, in Kansas State University's College of Arts and Sciences, has received a \$2,000 gift from the Kansas Association of the Future Farmers of America in recognition of the work undergraduate student researchers at the center are doing about rural life in Kansas.

As part of this work, Katherine Sundgren, a junior in history, Leonardville, is digitally preserving a collection, including newspaper clippings, that documents the history of the FFA back to 1928 in preparation for the 100th anniversary of the organization.

Chapman Center director Bonnie Lynn-Sherow, associate professor of history, was first made aware of the collection in the spring and decided that it was the perfect project for a summer intern.

"The history of the FFA is integral to both the history of Kansas agriculture and Kansas State University," Lynn-Sherow said. "The collection highlights the work



Manhattan FFA members assisting with hybrid corn tests in 1944 were, from left: Bill Hosier, Wayne Roeseener and Clifford Barry.

of young adults dedicated to agricultural leadership and whose stories feel simultaneously foreign and intimate to our current student interns."

The Chapman Center provides undergraduates with hands-on training in valuable professional skills such as accessioning, digital preservation and even film editing.

The FFA hopes to make these digital resources openly available to the public through a web-based exhibit

about the Kansas chapter.

"I was a part of my high school's FFA program for four years," Sundgren said. "It's nice being able to help preserve a long tradition for future generations to enjoy the rich history that surrounds the FFA program. I've seen how important it is to many members of my community and I'm glad that my work here helps keep the tradition alive."

"As we look forward to

the 100th anniversary of FFA, the Kansas chapter is excited to partner with the Chapman Center for Rural Studies in collection and documentation of the rich history of agricultural education," said Mary Kane, who is with the Kansas FFA Association.

The large collection includes hundreds of photos, handwritten and typewritten meeting notes, scrapbooks and even film reels that have not been seen for several decades.

"The partnership between Kansas FFA and the Chap-

man Center for Rural Studies is exciting as many of the foundational events of the association are due to the commitment of rural Kansas schools," Kane said. "We are excited with the capacity of the center to make accessible the documents and archives of our history."

The FFA's partnership with the Chapman Center is the one of many digital projects the center is engaged in or has completed since 2007, including commercial collections, oral histories, museum collections, slide

and film collections, postcard collections and several important family collections that Chapman students use in their published research.

"It's definitely a win-win for everyone," Lynn-Sherow said. "Organizations and individuals feel good about preserving the past, while our students gain an appreciation of our collective responsibility to share those stories. They learn to work with and rely on others for the greater good. I can't imagine a better learning outcome than that."

Is food safety threatened by a shortage of public-health veterinarians?

On-going vacancies and funding shortages for public-health veterinarians, particularly those with the USDA's Food Safety and Inspection Service (FSIS), could hamper efforts to ensure the safety of U.S. meat products and overall public health, according to the National Association of Federal Veterinarians (NAFV).

The NAFV notes that a recent Centers for Disease and Control and Prevention (CDC) food safety report indicates that the incidence of foodborne illnesses from Listeria, Salmonella, and Shiga toxin-producing Escherichia coli (STEC) have increased in recent years. Between 2013 and 2016, FSIS inspectors have recorded a 4% increase in Listeria,

Beef jerky claims the number two salty snack spot

Beef jerky sales rose by 7 percent in 2016, placing the salty snack in the second spot behind potato chips, according to Nielsen reports.

According to the National Cattlemen's Beef Association (NCBA), portable sources of protein like beef jerky continue to rise in consumer popularity, with nearly 75 percent of people seeking healthier salty snack options.

2% in Salmonella and a 21% increase in STEC. And according to NAFV, previous analyses have indicated the number of infections far exceeds those diagnosed, according to *Bovine Veterinarian*.

According to information

from NAFV, there were 720 FSIS veterinarians working in food-safety inspections in 2016, reflecting an 11% vacancy rate. About \$10 million in FSIS appropriations would be needed to bring the agency's food-inspection force up to full strength.

HOUSEHOLD AUCTION

SATURDAY, JULY 15, 2017 — 9:00 AM

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FURNITURE & HOUSEHOLD
3-piece bedroom set includes full bed, 6-drawer maple dresser with mirror & matching chest; 2 sec. desks; hall tree; knick knack shelf; Duchess sewing machine in cabinet, works; misc. lamps; 8 slot gun cabinet; curio cabinet; oval kitchen table with leaf & 6 matching chairs; console Zenith color TV/VCR; 3 recliners; loveseat & end tables; stereo with turntable & 2 speakers; linens; towels; lots of afghans; picture frames; several sets of silverware; Tupperware; Corningware; lots of pots & pans; several oscillating fans; lots of Christmas decor; lots of sewing supplies; lots of trinket items; small dropleaf table; 4 wooden kitchen chairs.

ANTIQUES & COLLECTIBLES
Swivel mirror dresser, very good condition.

Salt & pepper shakers, several sets of chickens; hen on nest candy dish; Avon bottles, lots; 2 wooden high chairs; collection of thimbles; collection of cartoon glasses; Raggedy Ann rocker; country cassette tapes; old records, 78s; mirrors; cameras; binoculars; quilting frame; butter churn, no jar; lots of toys, games and puzzles; antique mirror for dresser, very good condition; Tiffin corn sheller; hand well pump, good cond.; miniature Snow White toy kitchen set; miniature pool table; coffee grinder; Greyhound kid wagon; crocks; 2 baby beds.

APPLIANCES

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B&D jig saw; B&D 3/8 & 1/2 drills; B&D circular saw; portable table saw with circular saw mtd. on table; B&D Workmate table; hand mitre box.

MISCELLANEOUS ITEMS

DeLonghi oil heater, like new; 2 burner kerosene stove; lots of canning jars; electric heater for bathroom; steel white utility cabinet; wheelbarrow; lots of books; fishing poles.

AUCTION

SATURDAY, JULY 15, 2017 — 9:00 AM

6396 E. COUNTRY CLUB ROAD — SALINA, KANSAS

REAL ESTATE (SELLS APPROX. 12:00 Noon)

TRACT I: Home, buildings & approximately 30 Acres. This tract is located on blacktop road close to town & has a large home with approximately 2,067 sq. ft. on the main floor and 2,015 sq. ft. partially finished on the lower level. The home was built in 1974 and has 3 bedrooms, formal living room, dining room, kitchen, family room, large recreation room, 2 fireplace and 2 1/2 baths. There is an in ground swimming pool, large 2-car attached garage, 2 shop buildings (36X60 & 75X50 with lean to) and pond on the property. The home has deferred maintenance and would be great for the handyman.

TRACT II: Approximately 130 Acres located just south of Tract I. This tract is on a good road in a very desirable area with development potential, pasture land, hunting and a variety of other possibilities.

Both Tracts located in Section 18, Township 14, Range 1, Saline County Kansas.

Buyer to pay 10% down day of Auction with balance due on or before August 21, 2017. Buyer & Seller to divide Cost of Title Insurance equally. Taxes prorated to closing. All inspections including lead base paint inspection to be completed prior to Auction at Buyer's expense if requested. Auctioneer Representing Seller in this transaction. **STATEMENTS MADE DAY OF AUCTION TAKES PRECEDENCE OVER ANY OTHER INFORMATION. OPEN HOUSE ON REAL ESTATE Wednesday, July 5, 2017 from 4:30-6:00PM or by contacting Vern Gannon Auctioneer/Broker, Gannon Real Estate and Auctions 785-770-0066 or 785-539-2316.**

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Massey Harris Pony tractor with belly mower; Massey Harris Pony tractor with cultivator; Massey Ferguson Model 231 tractor, 3pt, hydraulic, newer tires, roll over canopy and Massey Ferguson 232 loader. Chief 10 rotary mower; 2 John Deere 4-wheel running gears; 20' tandem car/implement trailer; single axle 6'X10' enclosed cargo trailer; New Holland 455 sickle bar mower; 3pt disk (very good); 3pt offset disk plow; 3pt blade; 3pt rotary hoe; 3pt Fresno; 3pt packer/roller; older side delivery rake; springtooth; road drag; dump rake; 'V' ditcher; small field cultivator, planter & blade; old 3-wheel Cushman with bed (needs redone); several salvage implements; fuel tank & stand; old wooden pallets; smooth wire; brick; decorator rock; pickup bed trailer.

MOTORCYCLES

Honda CL100 (blue); Honda CL100 (black & gold); Kawasaki; Honda CB 360T. **Beautiful Antique Oak Brunswick Monarch 9' slate top pool table.** Wurlitzer Model 2104 Juke box, Serial number 289534; Antique Walnut 72" roll top desk; Emperor Grandmother clock; 2 4-section stack bookcases; antique dresser with mirror & fruit pulls; large fancy buffet; 6-drawer office desk; 2 nice flat lift top desk; modern curved glass china cabinet; Whirlpool refrigerator; loveseat; wingback leather chair; curved retro sofa; upright deep freezer; blue velvet recliner & wingback chair; 2 green velvet chairs; Oak china cabinet; old painted wooden 7' school house bench; 2 nice side chairs; bookshelves; Oak buffet base; glass ball foot piano stool; Oak dinette table; 2 wood framed barrel back chairs; wooden bench; step stool; Oak hat/coat rack; sewing stand; 2 magazine racks; table with 2 drawers; computer desk; Zenith 46" TV & stand; Pfaff 1222 sewing machine & cabinet; approximately 40 misc. chairs; 4 & 5-drawer McCall's cabinets; 6 4-drawer file cabinets; 4 5-drawer file cabinets; card table & chairs; wood framed chair; stools; hall tree; electric treadmill; wash bowl & pitcher with stand; Oak lazy Susan; sewing chest on legs; 2 sewing machine drawer tables; display stands; wood & metal shelves; flat top trunk; painted

buffet; sewing machine drawer stand; one Oak section Macey's bookshelf; entertainment center; floor lamp; TV's; valets; 2 2-door cabinets; folding tables; wrought iron garden cart; wood/slate coffee table; Military folding table; TV tray. Thousands and thousands of Books; Hundreds of VHS tapes; boom boxes; Thousands of '45's & cassette tapes; reel to reel; Akaidol system; speakers; wooden horse cut-outs; large wooden goose seat. Schlitz hanging bar light; lots of stereo equipment; microwave; electric smoker steam oven; lard press; cannon balls; wood washer wringer; cast iron stove; sad irons; old signs; brass cowboy bathtub; collection of 45 belt buckles; pressed glass; brass punch set; Farberware; mixers; decanter sets; sets of dishes; fancy brass hanging lamp; 4 kerosene lamps; Frankoma; china tea set; rabbit dishes & figurines; Snowflake dishes; covered powder jars; glasses; refrigerator dishes; carousel figures; snow globes; salt & peppers; stuffed animals; wooden doll box; CD's; dolls; artificial flowers; KSU remote control Santa table; Charlie McCarthy ventriloquist doll; many brass decorator items; roaster; BBQ tools; calendar plates; Anchor wine rack mirrors; ball cap collection; 3 red lanterns; binoculars; cameras; costume jewelry; California Raisins; wooden vases; table top electric grill; pots; pans; hat boxes; many baskets; wooden boxes; fans; shelf; tins; cast iron waffle iron; nutcracker; ice skates; KSU signs & posters; paper shredder; computer; pen & pencil collection; Holiday decorations; candles; bedding; plastic storage tubs; flower pots; fruit jars; **Large collection of K-State memorabilia (programs, posters, books(1960's-90's));** quilt rack; laundry bins; sewing stand; Frozen 6-volt scooter; **Child's Ford gas powered pickup;** large gold framed mirror; new kitchen appliances; plastic totes; cameras/cookers; workmate table; yard art; crutches; office supplies; Hoover vacuum; lots of electronics; office organizers; pictures; lots of Avon; matchbooks; cookbooks; wicker shelves; wind chimes; floor, dresser & table lamps; baskets; cameras; sewing stool; sewing chest; character glasses; Beanie Babies; pictures & frames; paper cutter;

Lite Beer pool table light; large giraffe; patio table; patio cooler; multi-drawer bench; license tags; advertising posters; Kansas Capitol dome sculpture; figurines; pool ball clock; weight bench; games; toys; Massey Ferguson 398 pedal tractor (no pedals); sports toys; typewriters; adding machine; electronics; child's lawn chairs; baby beds; Coleman lantern & stove; fishing equipment; boat oars; Challenger Ladies bike; Schwinn Town & Country bicycle built for two; Avanti man's bike; Sears & Huffy girl's bikes. 5 & 10 tier rotating bolt/parts bin; pallet fork lift; 2-ton hydraulic engine hoist; 10" radial arm saw; floor model drill press; Gravely string trimmer/mower; 13' aluminum boat; old boat with 115HP Mercury motor & trailer; Ranch King 12.5HP 60" pull type mower; 4-wheel utility wagon; push lawn vacuum; dolly; saw horses; portable tent; paint spraying system; floor jack router & table; shop bench with large vise; parts washer; pallets of metal shelving; 3 chain saws; snow blower; lawn cart; roto-tiller; push mowers; fertilizer spreader; 2 soil blenders; lawn cart; sprayers; lawn equipment; portable air compressor; power washer; kerosene heater; aluminum/glass booth; wood clamps; garden hose; bench grinder; roll around dolly's; 2 bench top drill presses; 2 scroll saws & stands; drill bits; vises; hardware; nails bolts; air bubble; bar clamps; shop tools; garden tools; sockets; hammers; pipe wrenches; taps & dies; bench grinder; screwdrivers; GI cans; aluminum step ladder; new trailer jack; boat gas cans; camping equipment; golf clubs; Evenrude boat motor; shop bench; organizers; saws; nail bars; braces; bits; jig saws; jack stands; handyman jack; creepers; shop vac; pneumatic wheels; hedge trimmers; bolt bins; creepers; sack dolly; metal & wood boxes; Nellie boot jack; concrete swan; crock jugs & crocks; model cars & games; ballot boxes; oil products; pegboard hooks; High back & other saddles; 4 horse head hitching posts; telephones; transit in wood box; gas cans; tires; wheels; electrical supplies; lumber doors; many old wood pallets; cast iron tea kettle; Texaco fire truck; brass easel; Thousands of items.

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Tale of three champions – family wins competitive trail ride championships

Three family members, Bill Hinkebein (grandfather) and Josie and Jessica Reeter (granddaughters) and their Missouri Fox Trotters, all won National Championships in the Open level of competition in the NATRCM 2016 ride season.

The 56-year old premier long-distance competitive trail ride group in the USA invites all riders to see what they and their horses can achieve. Open to all equine breeds and disciplines, its rides cover measured and marked trails that have to be completed within defined windows of time.

As told by Bill and Jeanne Hinkebein, this adventure began in 2015 when granddaughters Josie (14) and Jessie (11) rode Novice and Grandpa Bill rode Competitive Pleasure. All three rode registered Missouri Fox Trotters born, raised and trained at Indian Creek Equine Center (Grandpa and Grandma's farm) located northwest of Chillicothe, Missouri – Jessie on Shady Sunset WH, Josie on Country Mocha WH, and Grandpa on Roho Honey Mocha WH. Grandma Jeanne had meals ready and helped when needed with the hauling the three horses.

After finishing their last ride of the 2015 season, Josie suggested to her



Bill Hinkebein is shown on Roho Honey Mocha WH during a trail ride.

sister that they should ride Open the next season. Jessie looked at her and said, "Are you crazy? Do you know how long that is?" Josie quietly said "Yes, but we can ride faster, and besides we would have the opportunity to try for a National Championship which will give us a nice belt buckle to wear, and it really isn't that much longer." You could see how Josie's mind was working, and before long her sister said, "Okay, we can give it a try."

The 2016 season began shortly after that in November at the Renegades Roundup ride held near Cherryvale. All three finished the ride and, along with a friend, rode into camp cheerful and laughing. The 2016 season had begun on a happy note!

Rides came and went and points mounted up. About midway through the season, Grandpa told the granddaughters that they had a good chance of reaching their goal of a National Championship. They were all disappointed with the cancellation of the Von Holten Ranch ride. They needed points and placings, and the ride was so close to home.

Finally, the fall rides started, and the summer heat was not as big of a



Jessie, left, and Josie, right, show off their National Championship buckles.

factor as it had been for two of the three horses. Another disappointment came at Indian Cave in Nebraska when Saturday night's rains made the trails very slick resulting in dangerous areas that would be unsafe. Management cancelled Sunday's outing, and the two-day ride officially became a one-day ride, so they only earned half the points of a two-day ride. Nevertheless, the three persevered.

Kanopolis Canyon was the next ride. It was about 300 miles from Chillicothe, which meant Josie and Jessie had to miss school on Friday. Upon completing that ride, Jessie found out that her horse had made the needed points to be a National Champion! Grandpa's horse had also made her points but still needed a second or first outside of Kansas. Josie's horse had her placings but was three points short in total points.

The three now headed on

to their last ride of 2016, Cedar Creek outside Columbia, Mo., trying to fulfill their goals. It was not a good ride... it was a fantastic ride! Grandpa's horse had her placing, and Josie's horse earned the needed three additional points. To say the trip home was joyful is an understatement.

Their region, Region 6, made up of Missouri, Kansas, Illinois, Wisconsin, the upper peninsula of Michigan, Iowa, Minnesota, Nebraska, North Dakota, and South Dakota, is blessed with very friendly riders. Marilyn Marston and Marla Stucky are adult sisters who ride together. U.S. Veteran, Alan Bouska, enjoyed teasing the girls, and it did not take them long to figure out how to tease back. Steve Lindsey was constantly offering to buy Jessie's horse, and every time, Jessie, with a little smile, declared that her horse was not for sale. John Zeliff, a

former high school agriculture instructor, would quiz Josie, who was practicing the FFA Creed while being on the trail. Another very good friend for this troupe of riders was Ruth Mesimer who was crucial in making sure all the paperwork and necessary signatures were in order when the riders checked in.

In February 2017, they all flew to the national convention. The busy weekend involved touring Chattanooga's huge aquarium, meeting old friends, attending fun and informative seminars, and attending the awards banquet.

Jessie's horse received second and Josie's third in the nation in the Open Junior Horse Division, and Josie received second and Jessie third in the Open Junior Horsemanship Division. Jessie was also awarded a ribbon and a blue jacket for the High Average Open Junior score in both horse and horsemanship. Both girls were awarded the two-foot red, blue and yellow ribbons for their horses' National Championships.

In addition to Grandpa Bill's National Championship, he received a signed and framed horse print from Bev Roberts for attaining ten National Championships on ten different horses, a feat that never before done in NATRC. He also received a blue ribbon for the Region 6 High Point Open Horse and Rider Combination.

Bill ended the ride season with 14,200 miles of competition over 33 years of NATRC riding, and Jessie and Josie ended their two years of competition with each receiving a 500-mile chevron.

Sadly, because of an illness, the National Championship buckle artisan could not complete them in time for awards. However, at the family Easter dinner, Jessie, Josie, and Grandpa Bill each received a gift. Their belt buckles had arrived, and everyone in the family was able to congratulate them.

The convention was a celebration of success. For Josie and Jessie, achieving that success involved a ride season of packing their clothes in sport bags, bringing their cowgirl and mud boots, raking mounds of manure (it isn't all a lot of fun), making sure the horses had grain, hay and plenty of water, riding numerous miles of trails over all types of terrain in summer heat, rain and cool fall temperatures, learning to follow their maps and spotting trail markers, listening to the veterinarians and horsemanship judges, and of utmost importance, making sure their horses stayed sound and healthy.

Theirs was a true adventure of two granddaughters and their grandparents driving thousands of miles, knowing the good eating spots, fussing with each other, singing with the songs on the radio, just enjoying each other's company, and attaining their goals set in October 2015. It was a time of "making everlasting memories." How could it be any nicer?

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STORAGE UNITS AUCTION
SUNDAY, JULY 9, 2017 — 1:00 PM
10260 MILITARY TRAIL ROAD, MANHATTAN, KANSAS

10 Units being sold for past due rent. Buyer to pay a \$75.00 deposit fee per unit, if unit is cleaned no later than 5:00PM, July 10, 2017, the deposit will be returned. All units subject to past rent being brought current prior to Auction. **STATEMENTS MADE DAY OF AUCTION TAKES PRECEDENCE OVER ANY OTHER INFORMATION.** Each unit sold in its entirety to the highest bidder.

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In addition to the units being sold in their entirety, a client of Maberry Storage will sell the contents of their unit following the above units. It contains the following:
 Wood bookshelf; TV stand; patio table & 4 chairs (metal); 70# punching bag; Collection of 100-150 pieces of toy farm collector tractors and machinery; 12 Hummel Collector plates; 1950's dishes; yard equipment; composter; rain barrel; garden tools; decorative pictures; wall curio cabinets & shelves; art supplies; kitchen items; decorations and a variety of other items.

ANTIQUA AUCTION
SUNDAY, JULY 9 — 10:00 AM
Auction will be held in Kenwood Hall at the Saline Co. Expo 900 Greeley SALINA, KANSAS

Advertising inc.: signs (Indian Refining Havoline oil, Coke, Pepsi, Star Tobacco, Railway Express); Underhay Oil 5 gal can, Mobil baseball bank; railroad lanterns inc.: CM STPRY, UP, SPCO, RI, CSTPM & O, MISS PAC, Dietz Blizzard; book collection inc: 1887 Kansas Atlas, 4 first edition L. Frank Baum's "Pirates In Oz", The Emerald City of Oz, Jack Pumpkinhead of Oz, rare Christmas Stocking Series Edition of Little Black Sambo, many other high quality books; WWI shaving kit; South Bend fly reel; Macintosh serial number (0001) monitor & keyboard; Furniture inc: pine step back cupboard; oak chiffrobe; ice cream table & chairs; oak high-boy; short pie cupboard w/tin sides; 1 door 36" display cabinet; treadle sewing machine cabinet w/hood; commode; flat top trunk; oak high chair; 2 sets 2 theater seats; office chair; pine medicine cabinet; Feather Weight sewing machine; assortment of pictures; 1939 NY World's Fair seat; 10 new in box battery operated figural toys inc.: Playtime Roulette Man; 1/16th toy tractors; Halloween & Christmas items inc: aluminum tree w/ color wheel; dolls inc.: Francie, Barbie; child's tea set; paper dolls inc.: Little Kiddles; Nintendo games; electric football & baseball; baseball items inc.: Kitty Clover & pin backs; baseball & basketball posters; sports magazines; crocks inc.: 5 gal elephant ear churn, 6 gal birch leaf, 6 gal Buckeye, other crocks; 6 qt churn; butter mold; mixer far; gum ball machine; 1960's child's 45, RCA LP & other records; Andrew Morrison estate photo album; Aladdin lamp w/shade; bracket lamp; Perfection heater; cast iron string holder; 2 pc soap stone; Occupied Japan pieces; 8 place set Winfield china; Luray pieces; Steve Coburn pottery (plates, bowls, glasses, cups); green depression pieces; Avon beer steins; Norman Rockwell plates; Cape Cod stems; clear glass; pipes; small advertising items; bird books; Life & Look magazines; post cards; States Great reel mower; chicken water; cistern; hay roller; 3 barn doors; granite pieces; cast iron pans; milk bottles; fishing poles; apple peeler; Keen Kutter plane; other collectables.

Note: This is a nice auction, we have combined several collections. Check our web site for pictures at www.thummelauction.com.

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

CONTRACTORS AUCTION
SATURDAY, JULY 15, 2017 — 9:00 AM
1247 OSAGE RD., CLAY CENTER, KANSAS • LUNCH
TRAILERS, SKID STEER ATTACHMENTS, NICE CONSTRUCTION SUPPLIES & BUILDING MATERIALS
See last week's Grass & Grain for listings & go to kretzauctions.com or kansasauctions.net for pictures, map, and any additional information & updates.
CLERK: Shirley Riek, 1745 21st Road, Clay Center, Ks. 67432
JUNIOR & DEBBIE CHAREST, SELLERS
For questions please call Junior: 785-632-1295
Auction conducted by:
Kretz & Bloom Auction Service
Greg: (785) 630-0701 Chad: (785) 632-0846

LIQUIDATION AUCTION
SATURDAY, JULY 8 — 9:00 AM
334 SE DUPONT RD — TECUMSEH KANSAS
From 6th (Hwy 40) & Dupont Rd. turn North to Auction!
Watch For Signs!
SHOP EQUIPMENT, TRUCKS, TRACTORS, FORKLIFT & MISC.
See last week's Grass & Grain for listings & please visit us online: www.KansasAuctions.net/elston for pictures!
SELLER: MRS. (JIM) DONNA RAMSKILL
AUCTION NOTE: VERY VERY Large Auto-Mechanics Tool/Equipment Auction! Jim was an avid Machinist & Large Truck Mechanic for many years! Most ALL Name Brand! Snap-On/Mac! Plan On Spending The Day & Plenty of Shade! Security Cameras on Premise! Inspection by appointment only prior to auction. Concessions!
AUCTIONEERS: Mark Elston & Jason Flory
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AUCTION
SATURDAY, JULY 22, 2017 — 10:00 AM
916 MISSION — MANHATTAN, KANSAS

REAL ESTATE (SELLS APPROX. 11:00 AM)
 Very well kept one owner 3-bedroom ranch style home with 2 baths, living room (with fireplace), eat-in kitchen, screened porch & attached garage. This home had a new roof in 2016, exterior painted in 2014 & new gutting. The home has Oak floors and hot water heating. The basement level I partially finished with various possibilities. Very nice lawn with utility building. **Must see ready to move into home.**
 Buyer to pay 10% down day of auction with balance due on or before August 20, 2017. Buyer

& Seller to divide Cost of Title Insurance equally. All inspections including lead base paint inspection to be completed prior to Auction at Buyer's expense if requested. Auctioneer/Real Estate Agent representing Seller. Taxes prorated to closing. **STATEMENTS MADE DAY OF AUCTION TAKES PRECEDENCE OVER ANY OTHER INFORMATION. OPEN HOUSE Monday, July 10, 2017, 5-6:30PM or by appointment by contacting Vern Gannon Broker/Auctioneer 785-770-0066 or 785-539-2316.**

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Calculating 'old' and 'new' water runoff subject of research

Just ahead of a rainstorm, Cody Ross might run out to an agricultural research site as part of his graduate work. He'll need to get some dye into an injection well. The point? To evaluate the path that water follows from the field during and after the rainstorm.

Ross, a member of the Watershed Systems Research Program at the University of Manitoba, is measuring water flow in a part of the soil called the vadose zone. Although the name might make you recall scary episodes of the "Twilight Zone," the vadose zone is just the saturated level of soil right under the surface. It can be just a few centimeters to over a meter in depth. And the vadose zone is where important things happen in the soil.

The vadose zone is complex. Within it, sand particles are huge in comparison to clay particles, affecting water flow. That's why you can see water percolate through sand quickly on a beach. Healthy soils also have a good amount of organic matter from decaying

plants or insects. Finally, tiny pores exist, filled with air or stored water. Plant roots grow down into the soil to gather up water and nutrients. Microscopic microbes live down there, as well as larger animals like earthworms and nematodes.

Ross' work is important because how water moves over, through, and around all those soil particles, organic matter, pores, microbes, and roots matters. It's something growers would like to know - especially in places where precipitation is infrequent. The southeastern Canadian Prairie area, where Ross is researching, has a seasonally dry environment.

"Studying water movement helps us better understand the availability of water in times of scarcity (drought) and abundance (floods)," says Ross. "It also helps us understand how our actions impact the availability and quality of water resources." This, in turn, might affect policy decisions.

Previous work on water movement in the vadose zone has been done in hilly

areas in the United States, or in the western Canadian Prairie. Just like you can't expect one episode of the *Twilight Zone* to be the same as another, you can't expect a soil in one region to act like one in another. There can even be differences in the same farm field, depending on the amount of organic matter, composition of soil particles, and other features. The southeastern Canadian Prairie soils, compared to western, have more organic matter in them. That increase in organic matter helps the soils retain moisture in summer and fall. It impacts drainage potential. Organic matter also influences how long the ground stays frozen in winter and spring.

Differences in the topography of the land are significant, too. Imagine sledding down a hillside in Vermont... and now imagine trying to sled in the flat areas of

the southeastern Canadian Prairies. Gravity is not going to help you much there. The same is true for water.

Water movement in soil is also impacted by its chemical properties. Clay particles of soil actually have a negative charge. This means soils with a higher clay content can hold onto water better than sandy soils. Organic matter can absorb and release water, too.

Ross used other researchers' math formulas - and developed some of his own - to predict how the water was moving during rainstorms and times of snow melt. The dye he injected into the wells helped him determine if the water he collected from waterways was "new" from the rain event, or "old" from previous storage.

"Research focused on the age of water has significance in many applications," says Ross. "We want to know if water going to a

stream came directly from the field, or followed an alternative path. Does that alternate route change the water quality? Does it slow the delivery to the channel?" All these questions can lead to helpful predictive tools.

"As in most disciplines, the use of math has tremendous utility," says Ross. "We used mathematic expressions to help us interpret how water moves in soil. The ability to use mathematical models in this way is very powerful. It is often less expensive than physical observations, especially in circumstances where research is focused on large or inaccessible regions."

Ross' research found that, unlike other areas, there was a significant amount of old water that moved to the streams. "Previous research conducted in the Prairies has pointed to

new water as more dominant," says Ross. "This was not the case in our study."

Although you can't control whether you'll have a drought - or a flood - studying water movement in soil is important. "Having a better understanding of how water moves through the landscape provides insight for water management decisions," says Ross. "Understanding the relative contributions from old and new water sources can influence management decisions related to flooding and water quality."

Future research to build on Ross' work might focus on alternate locations, to see how common Ross' findings are. "Studies focused on how land use and climate change are impacting water movement in soil in the southeastern Canadian Prairie area would be beneficial," Ross adds.



Hinrichsen Black Jack 6016 won grand champion bred-and-owned bull at the 2017 Kansas Junior Angus Association Preview Show, June 3-4 in Hutchinson. Cale Hinrichsen, Westmoreland, owns the March 2016 son of Penners-CC Double Black 2257.



JE Trigger 16D won reserve grand champion steer at the 2017 Kansas Junior Angus Association Preview Show, June 3-4 in Hutchinson. Baylee Wulffkuhle, Berryton, owns the March 2016 son of Carlsons Leroy. Bill Conley, Clarksdale, Mo., evaluated the 105 entries.

AUCTION
SUNDAY, JULY 9 — 11:00 AM
 Due to the death of my husband, following sells at Wischropp Auction Facility, 930 Laing St., OSAGE CITY, KS (just East of Sonic on Hwy. 3)

Antique matching rockers; 3 cast iron kettles; metal 10 hole chicken nest; New Perfection kerosene kitchen stove; old 15-drawer card file; JD LT 166 riding mower; Husqvarna 345 chain saw; Super Tomahawk chipper/shredder; anvil 25" heel to nose; assortment of antique & collectible items; large selection of woodworking tools, router, saws, planer/jointer, clamps, drills, vacs, mostly Craftsman; LUMBER - Several hundred feet of native lumber - barn boards, other misc.; 1928 & 1931 Ford Model A's, 1 coupe & 1 convertible, running; ladders, power tools, nails, drill bits, saw blades, etc. **MUCH MORE!**

Inspection auction day.
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AUCTION
THURSDAY EVENING, JULY 13 — 5:00 PM
 As we have sold our home, following sells at 1119 W. Collins Ave., BURLINGAME, KS (South of town on Hwy. 56 to cemetery, then 3/4 mi. West on 181st, then North 1/4 mi. on W. Collins Ave.)

4 guns sell first at 5 PM; antique walnut wardrobe; antique curved glass china hutch; 2 antique sewing baskets; antique wardrobe, chest & vanity, nice; 16+ vintage pin-up girl post-cards; 20+ Ruby Red & Clear goblets; Samsung auto washer & steam dryer, great cond.; sleeper sofa, nice; double pedestal dining table, 6 chairs, hutch, extra nice; Craftsman table & radial arm saws; Honda HPA 214 push mower; Kawasaki ATV, rough, BOS only; Country Tuff 22T log splitter; aluminum 10' jon boat; approx. 2 1/2 cords split firewood; Troy-Bilt Bronco tiller; several farm implements; assortment of good glass, household, kitchen, tools, vintage, collectible, etc.

MUCH MORE! Inspection auction day. NOTE: Most items in good to excellent condition.

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AUCTION
SATURDAY, JULY 8, 2017 • 9:30 AM
 Auction held at 1408 6th St., WAMEGO, KS

FURNITURE, PLATES, SILVER PIECES, MISC. ANTIQUES, KITCHEN ITEMS, FISHING SUPPLIES, TOOLS, GLASSWARE, 3 NATIVE AMERICAN DOLLS AND MUCH MORE!

AUCTIONEER'S NOTES: This auction features very high end, quality home furnishings. This is a very partial listing. Come spend the day and acquire the items you have been looking for to enhance your home. We appreciate you being at the auction!!!

See last week's Grass & Grain for listings & See pictures on web: www.murrayauktionandrealty.com

SELLERS: DAVE & JAN VANDERBILT

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AUCTION
SATURDAY, JULY 15, 2017
 303 E. Washington — LYONS, KANSAS
 Starts 9:00 a.m. & Real Estate Sells 12:30 p.m.
OPEN HOUSE: Sunday, July 9 • 2-4 PM.
 Call Jim for appointment.

SHARON PEARSALL-Owner

REAL ESTATE: 303 & 307 E. Washington-Good investment 2 story, 3 bedroom home w/large kitchen. Located on large corner lot.
Household & Collectibles: Washer * Dryer * Refrigerator * Gas range * Furniture * Coors sign * Nishlin game machine.
Shop, Yard & Misc: ProCraft 1510 Boat w/trailer * 2nd boat trailer * Chain Saws * 5.0 generator * Car ramps * Grinders and assorted tools * Shopmate * Stock saddle. **Very partial list.**

Check website for Real Estate Terms Plus Pics & Info of items selling!
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ESTATE AUCTION
FOR FRANKLIN & LILLIAN RICKER ESTATE
SATURDAY, JULY 8, 2017 — 9:00 AM
 Auction Location: 627 Market Street — PORTIS, KANSAS

FURNITURE inc: Sellers Kitchen cupboard w/carmel slag glass; (2) Walnut fancy bedroom sets w/ marble tops & teardrop pulls; Victorian couch; Walnut Eastlake Harvest dinette table (sev. leaves); fold up tapestry rocker; sev. marble top Walnut carved lamp tables; pump organ; Nice Macey 5 Stackpack bookcase; Deer Head Plantstand & others; Walnut carved hall tree w/ CI inserts. **GLASSWARE & CHINA inc.:** RS Prussia cream & sugar sets; Dresden; Austria, Bavaria & Germany tea sets; Cut Glass; lots of cups & saucers; Pinwheel cut glass vase & pitcher & glass set; Milk Glass; Royal China; Czech. Portrait Plates; lots of America Fostoria; RV Rosen Bohemian wine set; Bavaria Bridle Rose dessert set; mustache cups; Austria & Germany Portrait Plates; Vashiti Commode set; Germany flowered spittoon; Goofus glass; lots of Bohemian Ruby etched glass; Mari-gold Carnival; Fenton basket; Nori-take China set; Roulette Pink Depr. pitcher, glasses. **ANTIQUES, PRIMITIVES & COLLECTIBLES inc.:** Chicken brooders; CI Pots (5-15 gal.) & holders; lots of fancywork & linens; cabinet jars; lamps; sewing machine bases; trunks; Fairy #11 D stove; stained & etched glass pictures; leaded glass windows; Coolerator ice box; Hogs Head & Birds Head whistle; Cloissonne Tipper set; Very lg. iron bird cage; silverplate; foreign coins & currency; pocket knives; sm. sad irons & flat irons & trivets; Art Nouveau clock; Black Memor. doll & wardrobe trunk; salt & peppers; Pyrex mixing bowls; Minnie Mouse cookie jar; Hafner Tin windup train w/ track; Tonka dump truck; Pin Cushion doll; Toy Marx Target & Gun; Victorian lamps w/prisms; Champion CI Truck (Geneva Toy co.); Shirley Temple doll & book; CI string holder; CI child's stoves; Enamelware; stained glass light fixture; child's carpenters sets; Laura Ingalls Wilder Book Set; crock jars; cuckoo clocks; chicken feeders; galv. buckets & tub; Remington Nylon 77 SN 2196601; Remington Nylon 66 SN2553518; Gene Stratton Porter books; Zane Grey book; alum. Christmas tree; Birger Sandzen prints (Pond w/Cottonwood Trees & Cathedral. **MISC. inc.:** Excel 2500 PSI Honda power washer; Craftsman snow blower; lg. chicken cages; Stihl 045 AU & Craftsman chain saws & **Much More!**

SALE CONDUCTED BY: WOLTERS AUCTION & REALTY
 627 Market St., Box 68 • Portis, KS 67474
 Cols. Jim Wolters and Rich Fairbank, auctioneers
 Phone 785-346-2071; Cell 785-545-7097
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UNRESERVED ONLINE AUCTION
WEDNESDAY, JULY 12, 2017

360 ITEMS SELLING! 2014 John Deere 6170M MFWD Tractor; 2008 Caterpillar 416E Loader/Backhoe; 2006 John Deere 9760 STS Combine; 2004 Mack CX613 Truck Tractor; 2006 Kenworth T300 Feed Mixer Truck; 2015 Timpte Super Hopper Tri/A Trailer; 2014 Ford E-450 13 Passenger Bus; 2008 Ford F350 Super Duty Crewcab Pickup Truck; 2008 Blue Bird 77 Seat School Bus; 2016 Eby GN1EQP T/A Flatbed Trailer; 2015 Featherlite 8541-763H 3 Horse Trailer w/Living Quarters; 2014 John Deere 750-18 Grain Cart; 2002 International 9100i T/A Truck Tractor; 2012 Parker 1039 S/A Grain Cart; 2004 John Deere 9760 Combine; Combines (6) - Combine Headers (9) - Tractors (14) - Trailers (26) - Trucks/Pickups (32) - Sprayers (5) - Disks (9) - Rakes (3) - Cultivators (3) - Balers (2) - Blades (3) - **Plus Much More!**

SCAN THIS QR CODE TO VIEW THIS AUCTION ON YOUR PHONE OR TABLET!

Time to sell your equipment!
 Call Today! 1-800-937-3558

PERSONAL PROPERTY AUCTION
SATURDAY, JULY 8, 2017 — 10:00 AM
 2323 N. JACKSON — JUNCTION CITY, KS 66441

FURNITURE & APPLIANCES
 Small Antique Cabinet, Oak Pedestal Table w/6 Antique Chairs, China Cabinet, Buffet, Kitchen Table w/Chairs, Professional Beutician Chair & Sink, Bar Stools, Old Chest, Wood End Tables, 2 Shelf Cabinet, Couch & Coffee Table, Wooden Magazine Stand, Bed Frame, Metal File Cabinet, Antique Rocking Chair Lamp, Zenith Turntable & Speakers, CD Player, DVR, Rug Shampooer, Oreck Vacuum w/Attachments, Apt Refrigerator.

COINS (sell at 10:00 AM) & COLLECTIBLES
 Coins (Indian Head Pennies, Large Cents, 2 Cent Pieces, 3 Cent Pieces, V. Shield & Buffalo Nickel's, Mercury & Roosevelt Dimes, Walking Liberty & Washington Quarters, Walking Liberty & Franklin Half Dollars, Morgan, Peace & Eisenhower Silver Dollars, Proof & Mint Sets, Tokens & Commemorative), **Lots of Elvis Presley Memorabilia;** Miscellaneous Glass Ware & Home Décor, Antique Coors Crock, Rowe Pottery Collection, Ceramic Pitcher & Bowl, Miller Beer Sign, Coors & Budweiser Mugs, Wall Clock, Arts & Crafts, Large Metal Stars, Toys, Dolls, Books & Games, Wooden Light Switch Covers & Drawer Pulls, 2-Gas Lanterns.

TOOLS & MISCELLANEOUS
 String Trimmer, Poulan Chain Saw, Small Power Washer, Bench Grinder, 18.2V Craftsman Set (Drill, Light & Saw's In Case, Craftsman Tool Set, Elect Drill, Sander, Circ Saw, Tool Box, Hand Tools, Hammer Stapler, C Clamps, Grease Gun, Shop Vac, Snap-on Creeper, Battery Charger, Torch it, 2 Wheel Dolly, Jack Stands, Work Light, Turkey Fryer, Hamilton Beach Food Processor, Crock Pot, Elect Skillet, Baking Dishes, Pots & Pans, Flatware, Cook Books, Rugs, Bedspread, Copier & Printer, Christmas Trees & Decorations, Women's Golf Clubs, Cooler, Tackle Box, Fishing Poles, **JUST A PARTIAL LISTING.**

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 2323 North Jackson
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 Junction City, KS

Fulbright Scholar notes similarities in regional development in Kansas, Australia

Though they are half a world apart, Ruth Wallace thinks her home in Australia isn't too much different from many communities in the state of Kansas.

"I have found a lot of similarities here on issues

about what the future looks like and who will be doing the work when you've got change," said Wallace, the director of the Northern Institute at Charles Darwin University, who will complete a six-month Fulbright

Scholarship in July at Kansas State University.

Wallace's stay in Manhattan has included a lot of travel around the state to study changing demographics, economic development, workforce development, social policy and how governments make decisions, and other issues.

"Ruth's career involves helping universities, non-governmental organizations and government agencies improve outreach to communities, especially as it relates to addressing such critical issues as biosecurity, food safety, public health and emergency response," said Gregg Hadley, K-State Research and Extension assistant director for agriculture, natural resources and the environment.

Hadley's office has hosted Wallace's visit since January as part of the university's partnership in the

Australian-American Fulbright Commission. Each year since 2014, Kansas State University has hosted Fulbright Scholars from Australia to study and collaborate with the university's researchers.

"About seven years ago, I was asked to get involved in biosecurity for northern Australia, and an important question we had was, 'Who is going to do that work?'" Wallace said. "Clearly the best people to do that were aboriginal people in that sparsely populated region, but we wondered how to build the partnerships with government to engage communities in biosecurity responses and surveillance.

"So, the partnership with K-State Research and Extension has been really valuable because that is what your extension offices do."

Australia eliminated its version of extension several years ago, meaning a system was not in place at a local level to help citizens.

"They lost some capacity to systematically work with the public and local partner agencies and organiza-

tions to identify educational needs and provide educational programs, resources and services that help the public improve their lives, livelihoods and communities," Hadley said.

Wallace added: "It's very hard to see what you stand to lose until it's gone. Once it left us - and we never had it in the integrated way that you have - we were segregated. It's a completely different situation because it means you don't have that same level of knowledge in your history and you do not have the vision to help in the future."

Wallace said Extension offices are a key component for economic and regional development in their communities because they can help communicate in good and bad times, share research that is relevant to local challenges, and bring people together for common goals.

"The opportunity of having K-State Research and Extension provide that link between government, community, industry and university to make sure you're getting the most value out

of research is absolutely essential," she said. "And that's something that I think we could really learn from in Australia and doing it in more of a systemic way like you have here."

"One of the things I've really seen of Extension offices is that they band together no matter what," she said. "They'll always help each other out. That is an incredibly strong network in hard times or when something comes out of the blue."

Wallace said her work with Kansas State University has only begun. She believes her six-month Fulbright experience will lead to more opportunities to understand what it takes to improve regional development in Kansas and back home.

"Resources are shrinking everywhere, but the pool for economic development is really important for regions," Wallace said. "I say this as part of a larger network of people who are trying to answer these questions internationally, and I hope that K-State Research and Extension can continue to grow its role in being able to speak to those issues."



HDCC Classen D37 won reserve grand champion bred-and-owned bull at the 2017 Kansas Junior Angus Association Preview Show, June 3-4 in Hutchinson. Tanner Hite, Valley Center, owns the October 2016 son of EXAR Classen 1422B. Bill Conley, Clarksdale, Mo., evaluated the 105 entries.

AUCTION

SATURDAY, JULY 8, 2017 — 10:30 AM
CITIZEN POTTAWATOMI NATION COMMUNITY BUILDING
806 NISHNABE TRAIL, ROSSVILLE, KANSAS

Kitchen Aid side by side refrigerator with ice maker & water dispenser (black); King Mediterranean bed & matching dresser; 6-drawer Mahogany chest-of-drawers; Queen bed; white leather sofa; red leather curved chairs; glass & chrome table; 2 beige living room arm chairs; round pedestal cherry dining table; Bamboo desk; round bamboo stand; flat screen TV; white loveseat; octagon slate top table; Bombay chests; Danish modern side table; set of 4 retro folding chairs; 2 wine chests on wrought iron legs; bookshelves; square bristo table & stools; table top refrigerator; Queen air bed; Maple arm chair; portable room air conditioner; modern wicker stand ;TV stand; black 3-drawer chest; set of 4 red arm chairs; upholstered living room arm chair; delft stool; ottoman; metal shelf unit with baskets; black table & 2 stools; blue living room chair & ottoman; small patio table & 2 chairs; desk; stand table; water proof wicker & other chairs; short metal cabinet; 2-drawer wicker box; stools; magazine rack; 2 folding black metal chairs; miscellaneous furniture.

Porcelain 40" Maud Humphry bisque doll; porcelain Cabbage Patch doll; Artwork & pictures; floor & table lamps; room and area rugs; laptop desk; hampered aluminum pieces; round pedestal cherry dining table;

Longaberger baskets & stoneware; Lionhead pots; lots jewelry; cuckoo clock; wall clocks; microwave; decorative décor; Collection of approximately 230 puzzles (Springbok-many not opened); set of white German china; glassware; kitchenware; bar glassware; various colored crystal; William Allen White & other old books; KU collectibles; July Collins autographed poster; large sea shells; Baseball collectibles; Babe Ruth poster & doll; Norman Rockwell thermometer; board games; antique radio; round black framed wall mirror; quilts & blankets; Golf clubs & equipment; Variety of miscellaneous & collectibles.

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LARGE ESTATE AUCTION

SATURDAY, JULY 8, 2017 — 9:30 AM
Location: K-14 Auction Center, 10919 S. K-14 Hwy. — HUTCHINSON, KANSAS 67501

LARGE GLASSWARE COLLECTION: 1885 Bryce Bros Glass; Mosaic Tile Co-Aunt Jimema Cookie Jar; Glass Lamps; Ruby Red; Fenton; Vintage Wall Pockets; Cast and Glass Bookends; Early American Prescut ; Cut Glass; Westmoreland; Frog Dog; Blown Glass; Various Glass Animals; Depression Floragold; Heisey; Fire King Primrose; Imperial Cape Cod; Cambridge Crystal; Duncan Miller; Bavaria; Jewel T; Green and Pink Depression; Various Cruets; Hobnail; Frankoma; Globes and Vases; Shawnee; German; Degenhart; Frosty Glass; Lots of Stemware; Milkglass; Pyrex; Piggy Banks; Porcelain; Toothpick Holder Collection; Large Salt and Pepper Collection; Homer Laughlin; much more.

POTTERY: McCoy; Camark; Franciscan; Royal Copley; Earthenware; Hall; *plus more.*

COLLECTIBLES: Trenton Anvil (150 lb.); 1950s Metal Coasters; Hundreds Of Marbles; Dempster Windmill Tail; Old Pictures and Frames; Metal Lunch Boxes; Old Dolls; Old Quilts and Blankets; Lots Of Old Postcards; School Teacher Bells; Old Wood Planes; Kitchenware; Budweiser Model Planes; Silverware; Old Hand Tools; Old Plates and Bottles; Brass Items; Dresser Scarves and Doilies; Copper and Metal boxes; Cocks; Jewelry; Buttons and Pins; Old Magazines; plus many items not listed.

Various Glass Showcases & Antique Furniture

ESTATE OF ALAN ELLIS

Note: This is one of 4 auctions we are having from this estate, so the selection is great. Auction facility will have seating and air conditioning, so come spend an interesting day with us.

Go to Auctionzip.com for lots of photos and updates!

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Morris Yoder, Auctioneer/Realtor, 620-899-6227/Associate Realtor/Auctioneer w/Riggin & Company

AUCTION

SATURDAY, JULY 8 — 10:00 AM
Auction will be held in Kenwood Hall at the Saline Co. Expo 900 Greeley SALINA, KANSAS

GUNS:
Sell at 10:00 AM

1. New Haven 250 KB 22;
2. Lefeuer Arm Ithaca double barrel 12 ga nitro special;
3. Wards Western Field model 38 22;
4. The Berkshire 12 ga;
5. Huntmaster 228 12 ga bolt;
6. Glenfield 60 22;
7. Glenfield 75C 22 w/scope;
8. Stevens 87B 22 w/scope;
9. Revelation R330B 410;
10. New England Handi Rifle 223 single shot;
11. Revelation 350 20 ga;
12. Marlin 989 M2 22;
13. Winchester 1200 12 ga mag vent rib;
14. Pump BB gun;
15. Winchester 190 22;
16. Eclipse Gun Co 12 ga double barrel;
17. Savage Mark II 22 bolt;
18. Stevens 67 20 ga pump;
19. Winchester 120 12 ga pump;
20. Magtech 7022 22;
21. Savage Mark II 22 bolt w/scope;
22. Winchester 190 22;
23. High Standard C1200 supermatic 12 ga;
24. Winchester 1300 12 ga pump;
25. Mossberg 342 22 bolt;
26. Remington 870 Xpress 12 ga vent rib;
27. Winchester 1200 20 ga;
28. Double barrel 12 ga;
29. Mossberg 190A 16 ga bolt;
30. Criterion twist Belgium 12 ga double barrel;
31. Remington 1912 20 ga;
32. Mauser Chileno 1895 7mm comp;
33. Mossberg 385KB 20 ga bolt;
34. Remington 12 ga;
35. CtoC 367 12 ga;
36. Import rifle;
37. Hawes Western revolver 22;
38. EIG German 22 revol-

er; 39. Savage III 30-06; 40. Arsenal SLR 95 7.62x39; 41. Marlin 60 22; 42. Winchester 55 22; 43. Winchester 94AE 30-30 liver; 44. Winchester 131 22 bolt; 45. Glock 22 40 cal pistol; 46. Cobra Patriot 45 pistol; 47. Taurus PT 247 G2 9mm pistol; 48. Remington 870 12 ga pump; 49. Browning Invector BPS 12 ga pump; 50. H & R Topper Jr. 88 410; 51. Mossberg 500AT 12 ga pump; 52. Thompson Center 50 rifle; 53. Browning 16 ga; 54. Browning 12 ga; 55. Mohawk 48 12 ga; 56. Sig Sauer P250 40 cal pistol; 57. IJ Targer 1900 22 revolver; 58. Gazell SPS 12 ga over under; 59. Lorcian L380 pistol; 60. F. Llipietta 44 cal black powder revolver; 61. Ruger new model 22 pistol; 62. JC Higgins 20 12 ga pump; 63. Ithaca 66 12 ga; 64. Stoeger Condor 12 ga over under; 65. Mossberg 88 12 ga pump; 66. Remington 1100 12 ga; 67. Wards Western field 22 bolt; 68. Mossberg 88 12 ga; 69. Witte Howe Co 12 ga; 70. Winchester 1200 12 ga pump; 71. Mossberg 8335 12 ga pump; 72. High Standard 12 ga pump; 73. NR Davis & Sons premier 12 ga double barrel; 74. Springfield 67D 12 ga pump; 75. Winchester 50 12 ga; 76. Stevens 58 12 ga bolt; 77. Stoeger Condor 20 ga over under; 78. Ithaca feather light 16 ga pump; 79. Marlin Glenfield 60 22; 80. Mossberg 835 12 ga pump; 81. Remington 11A 12 ga; 82. Revelation 3100 12 ga; 83. BKA 98 replica nickel revolver; 84. GIP 12 ga; 87. Taurus TDP 27147 9mm pistol; gun cases;

GLASS & JEWELRY:
Aurene vase signed LCT; brilliant cut glass; Victorian hanging lamps; Flow Blue; Libby; Majolica; Czech glass vases & other pcs; Tuscan hand cut crystal; Victorian pickle castors; carnival glass; Art Pottery; Roseville; Minton serving set; Royal Bayreuth; Limoges portrait plate; Bohemian mantle lusters; Hummel plates; Bohemian Hungary & German cut to clear vases & decanters; Royal Doulton; 200+ pieces RS Prussia inc.: Dice Throwers, melon eaters, cottage scene, Castle scene hidden image, chocolate sets, chocolate pots, tea sets, portrait plates, tankards, Cobalt bowls; 50 floral bowls; 30 sets creamer & sugars; 100 pc sterling inc.: rings, turquoise rings, turquoise watch ends; necklaces; compacts; animal lapel pins; bracelets; earrings; charms other; ladies Rolex dress watch 18kt. 750; ladies Gruen precision dress watch 14kt; ladies diamond stud earrings 1.50 cts total weight; ladies 14 kt yellow gold anniversary band w/50ct diamonds;

REAL ESTATE
Sells after the cars at 12:00 at the home in Osborne, KS
Lots 13, 14, 15 & 16 Blk 12 Second Ward City Portis Osborne, Co. Kansas. 2 metal buildings on corner lot (State & Chatham in Portis) 1 building is 13' x 24' with concrete floor, the other is 30' x 50'; **100' x 100' lot in 16-6-11 2 miles North of Downs on Hwy 181 & 20th road with 24' x 20' metal building & 5' x 5' metal building, with concrete floors; Title insurance will be used, the cost will be split 50/50 between seller & purchaser. The seller will do no inspections or repairs, all inspections must be made by purchaser before July 15, 2017. Terms 10% of purchase price as down payment, the balance will be due upon closing on or before August 15, 2017. Possession will be upon closing. Thummel Real Estate & Auction LLC is acting as seller agent.**

GUNS
Sells at 10:00 AM
Long guns inc.: Marlin 40-60 lever action octagon barrel; Winchester 60 bolt 22 s, l, lr; Remington model 1889 hammer double barrel 12 ga; Winchester 25-20 WCF lever octagon barrel 1892; Winchester 1897 12 ga; Winchester 1897 12 ga; Winchester model 12 12 ga 2 3/4" chamber; Winchester 1897 12 ga; LC Smith 12 ga double barrel; Remington 1887 double barrel hammer 12 ga; Pistols inc: Taurus PT 1911 45 ACP; Colt Combat Elite 45; Rock Island Army 38 Super; Colt MK IV series 80 45; revolvers inc: Ruger Super Blackhawk 38 mag; Smith & Wesson 38; Ruger 22 mag; Ruger GP 100 357; Daisy 72 Squirt O Matic toy gun; Colt 3 cork gun;

CARS, TRUCKS, MOWER & TOOLS
Sells at 12:00 Noon
1992 Buick Riviera 3800 2 door car 6 cy. very good condition; 1990 Ford Bronco II 2 wheel drive, automatic, 4 cy, runs good 74512 miles; 1974 Buick Riviera 2 door car, 455 engine, auto, good condition 75,798 miles; 1955 IHC pickup has motor, transmission needs to be put in the truck; 1940's Dodge suicide doors, straight 6 engine, 3 speed (car has been parked since 1966); 55 Studebaker radio; small amount car parts; John Deere 68 riding lawn mower; Poulan push mower; 2 wheel pickup bed trailer; 2 wheel jet ski trailer; Lincoln AC DC welder; cut off saw; space heater; torch set w/bottle; tool box; upright air compressor; bench grinder; motor stand; sockets; end wrenches; assortment hand tools; boomers; chains;

ANTIQUES & HOUSEHOLD
1889 cast iron Mo. Valley bridge sign; Oak Hoosier cabinet; walnut marble top dresser; maple commode; 6' cast iron leg store table; corner cupboard; Jone Comfort Oak 15 parlor stove; Red Jacket parlor stove; Westinghouse fan on stand; Coke collection (clock, Coca Cola sign, dinette table w/4chairs, large collection of Coke collector items); 1936 dealer car tags; Boyce & Willys moto meters; Nash hubcap; Classic car magazines (no 1 to present); well pump; cast iron mail box; DeLaval & Nourse harness oil cans; brass Keen Kutter concrete edger; 2 cast iron coin counters; buffalo meat cleaver & saw; Deering sickle grinder; nutcracker; cream can; lunch pail; harness vise; steel wheels; copper boiler; Union Leader tins; cast iron Robinson level; shot glass collection; assortment glass; 12 place set Scarsdale china; stems; Barbie ornaments; 2 door china cabinet; 2 pc. brown bedroom set; 2 pc. 60's bedroom set; drop leaf kitchen table; 1/2 table; corner shelf; recliner; kitchen appliances; pots & pans; fishing equipment; assortment other items;

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

AUCTION

SATURDAY, JULY 15 — 10:00 AM
Auction will be held the home located at 523 W. New Hampshire in OSBORNE, KANSAS

REAL ESTATE
Sells after the cars at 12:00 at the home in Osborne, KS
Lots 13, 14, 15 & 16 Blk 12 Second Ward City Portis Osborne, Co. Kansas. 2 metal buildings on corner lot (State & Chatham in Portis) 1 building is 13' x 24' with concrete floor, the other is 30' x 50'; **100' x 100' lot in 16-6-11 2 miles North of Downs on Hwy 181 & 20th road with 24' x 20' metal building & 5' x 5' metal building, with concrete floors; Title insurance will be used, the cost will be split 50/50 between seller & purchaser. The seller will do no inspections or repairs, all inspections must be made by purchaser before July 15, 2017. Terms 10% of purchase price as down payment, the balance will be due upon closing on or before August 15, 2017. Possession will be upon closing. Thummel Real Estate & Auction LLC is acting as seller agent.**

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

Auction Sales Scheduled

July 6 — 2 tracts of Lyon (grass, building site) & Greenwood (cropland, oil production) County land held at Emporia. Auctioneers: Griffin Real Estate & Auction Service, LC.

July 6 — 1136 m/l acres Farmland & Family Home with outbuildings sold in 9 Tracts held at Wellington for Hainsworth Trusts. Auctioneers: Ken Patterson Auctions.

July 8 — Lots of glassware, china, furniture, antiques, primitives, collectibles & misc. at Portis for Franklin & Lillian Ricker Estate. Auctioneers: Wolters Auction & Realty.

July 8 — Appliances, furniture, household, antiques & collectibles at Rossville for Mark & Sue Erickson. Auctioneers: Gannon Real Estate & Auctions.

July 8 — Shop equipment, machinists tools, trucks, tractors, forklift & misc. at Tecumseh for Mrs. (Jim) Donna Ramskill. Auctioneers: Elston Auctions, Mark Elston & Jason Flory.

July 8 — Real Estate & personal property at Salina. Auctioneers: Wilson Realty & Auction Service.

July 8 — Guns, camper, boat, motorcycle, household, collectibles at Marysville for Jeanne Murdock. Auctioneers: Olmsted's & Sandstrom.

July 8 — Guns, glass & jewelry at Salina from individual collection. Auctioneers: Thummel Real Estate & Auction LLC.

July 8 — Furniture, plates, silver pieces, misc. antiques, kitchen items, fishing supplies, tools, glassware, 3 Native American dolls and many other misc. items at Wamego for Dave & Jan Vanderbilt. Auctioneers: Murray Auction & Realty.

July 8 — Linoleum cut, Oscar Gunnarson figurines, portraits, glassware, furniture, household items,

trucks and tillage equipment at Marquette for Joan & Bertis Wickstrom Estate & Meta Ellwood Estate. Auctioneers: Oswalt Auction Service.

July 8 — Large glassware collection, pottery, collectibles, glass showcases & antique furniture at Hutchinson for the Alan Ellis Estate. Auctioneers: Morris Yoder Auctions.

July 8 — Personal property inc. furniture & appliances, coins & collectibles, Elvis Presley memorabilia and tools & misc. items at Junction City for Delfrate & Others. Auctioneers: Brown Real Estate & Auction.

July 9 — 10 storage units selling for past due rent for Maberry RFD INC. Storage, as well as contents of a unit from an individual client including furniture, collector tractor & machinery farm toys, Hummel collector plates, yard equipment, tools, kitchen items, art supplies & a variety of other misc. items at Manhattan. Auctioneers: Gannon Real Estate & Auctions.

July 9 — Antique auction inc. signs, books, furniture, beer steins, Winfield China, dolls, sports posters & magazines & many other misc. items & collectibles at Salina. Auctioneers: Thummel Real Estate & Auction.

July 12 — Online unreserved auction — Farm machinery at www.bigiron.com. Auctioneers: Big Iron Online Auction.

July 13 — Guns, glass, collectibles, antiques, household items & tools at Burlingame for Larry & Katy Smith. Auctioneers: Wischropp Auctions.

July 15 — Real Estate (3BR home on corner lot), household, collectibles, shop, yard & misc. at Lyons for Sharon Pearsall. Auctioneers: Stroh's Real Estate & Auctions, LLC.

July 15 — 3BR home, buildings & approx. 30 acres;

Tract 2, 130 acres; Studebaker wood wheel box wagon, tractors, mowers, trailers, old 3-wheel Cushman w/bed, motorcycles, slate top pool table, jukebox, furniture, books, K-State memorabilia, tools & shop items at Salina for Allen Webber Estate. Auctioneers: Gannon Real Estate & Auctions.

July 15 — personal property, furniture, hardware, sportsman, antiques, collectibles at Cottonwood Falls for Croy's, Inc. Auctioneers: Griffin Real Estate & Auction Service, Inc.

July 15 — Car, pickup, guns, ammo, furniture, pictures & more, tools, outdoor just north of Salina. Auctioneers: Baxa Auctions, LLC.

July 15 — Great furniture (some from a hotel), household, patio, garage items, appliances, mobility assist electric chair & more at Herington for Gerald & Sherry Rindt, IRS-Strand. Auctioneers: Bob's Auction Service, Bob Kickhaefer.

July 15 — Trailers, skid steer attachments, nice construction supplies & building materials at Clay Center for Junior & Debbie Charrest. Auctioneers: Kretz & Bloom Auction Service.

July 15 — Furniture, household, antiques, collectibles, appliances, yard & shop, carpenter items & more at Neosho Rapids for Loris (Shorty) & the late Norma Gilbert. Auctioneers: Swisher Auction Service.

July 15 — Real estate, guns, cars, trucks, mower, tools, antiques & household at Osborne for Bennie Norton Estate. Auctioneers: Thummel Real Estate & Auction LLC.

July 16 — Tractors, vehicles, 1949 H Farmall, coins, antiques, primitives, furniture, button collection, appliances & much more at Elmdale for property of Gertrude Weber. Auctioneers: Griffin Real Estate & Auction Service, LC.

tion Service, LC.

July 16 — 2004 Ford pickup & Merc car, collectibles, coins, furniture, antiques & household items at Osage City for property of the late Mr. & Mrs. Jim Henry. Auctioneers: Wischropp Auctions.

July 17 — 630 acres m/l in Ellis County held at Hays for Anna M. Pyle & Charles L. Pyle Trusts. Auctioneers: Hill Realty.

July 22 — 1486 IH tractor, antique tractor & other antique farm machinery, antique engines, antiques & collectibles, antique metal farm signs, large amount of good tools & shop equipment & more at Westphalia for Tom Highberger. Auctioneers: Kurtz Auction & Realty Service.

July 22 — Tractors, combine, trucks, Corvairs, machinery, guns, coins & tools East of Scandia for Ray & Jean Mach Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

July 22 — Tools, locksmith supplies, sportsman equipment, Army surplus, antiques, household goods at Wakefield for Rolland Camp Estate. Auctioneers: Kretz & Bloom Auction Service.

July 22 — 3BR, 2BA ranch-style home; vehicles, furniture, appliances, collectibles, household & shop at Manhattan for Maureen & the late Ivan Woellhof.

Grass & Grain, July 4, 2017
Auctioneers: Gannon Real Estate & Auctions.

July 22 — Real estate (1968 3BR, 2 1/2BA ranch home, buildings & more), household, shop equipment & more held at Valley Falls for Estate of Leone James, Russel James, seller. Auctioneers: Harris Auction Service.

July 23 — Guns at Salina. Auctioneers: Wilson Realty & Auction Service.

July 28 & 29 — (selling July 28: Cars, airboat, trailers, tools & other; selling July 29: Antiques & collectibles, 1860 rare "New York" kit home) at Clifton for Daniel & Judy Deaver. Auctioneers: Thummel Real Estate & Auction, LLC.

July 29 — Elmco Royal Ride golf cart, Gravely zero turn mower, boat, Chevy Monza, tools & tool chests, Harley Davidson collection & motorcycle items, St. Gregory's china hutch, collectibles, household, coin operated arcade games, gun at Home for Ronnie & the late Carla Scheller. Auctioneers: Donald Prell Realty & Auction.

August 3 — Historic Council Grove National Bank building held at Council Grove. Auctioneers: Gene Francis & Associates Real Estate Brokers & Auctioneers.

August 5 — Consignments at Salina. Auctioneers: Wilson Realty & Auction Ser-

vice. Page 15

August 8 — Tractors, combine, trucks, machinery & other held near Hunter for D. Eugene Tuttle. Auctioneers: Thummel Real Estate & Auction, LLC.

August 12 — Antiques, collectibles & tools for Bob Kastrup; Guns, jewelry, toy guns & collectibles, trailer, generator, yard equipment for Richelle & Danielle Russell held at Jewell. Auctioneers: Thummel Real Estate & Auction, LLC.

August 12 — Estate auction: full line of mostly late model farm machinery at Frankfort for Dan Studer Estate. Auctioneers: Joe Horigan.

August 14 — Ranch & land auction (8,000 m/l acres) held at Sharon Springs for Spring Valley Ranch. BARightly Auction.

August 15 — 5,150 m/l acres Hamilton & Kearny counties sold in 10 tracts & combinations held at Lakin for Englert Farm & Ranch. Auctioneers: Hall & Hall.

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

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



AUCTION

SATURDAY, JULY 15— 10:30 AM

Located at HERINGTON, KANSAS
Community Building on South Broadway.






GREAT FURNITURE
Some From A Hotel

Beautiful 4-piece red velvet cushioned sofa, loveseat, 2 matching chairs; black leather fainting couch; CEO-type hardwood office desk; CEO office chair; nice parlor hall tree with seat; reception table with marble top and matching marble top, tall mirrored parlor piece; 2-seat parlor bench; ornate wooden serving cabinet on wheels; 2 small liquor cabinets, glass door with lift top serving trays; small lift top desk; 2 round top, 1 oval, lamp tables; square cushion ottoman with drawers; rocker with matching chair; metal 3-section folding privacy screen; old small dresser with wishbone mirror; large hardwood dining table with 6 chairs; dropleaf table with 2 ornate chairs; nice 3-piece maple bedroom set; glider rocker with foot stool; 3 rocking chairs, need work; Repairable type Furniture: 12 ornate chairs, love seat with matching chairs and day bed; nice advertising bench converts to table; '50s style step table; early 1900s 5-drawer hardwood chest, original pulls; old mirrored buffet

with glass doors; old ornate pump organ; 4 legged glass ball feet organ stool; solid oak chest-of-drawers with 7 cedar-lined drawers beveled edge mirror on old wood frame; combo bench - toy box; 2 nice lighted modern hardwood china cabinets; hardwood wall cabinets made by White City High School shop class; The Entertainer electric organ/bench the Swinger; chrome wrap kitchen table; utility cart; recliner; office chair; 2 matching cushioned bar stools; miscellaneous lamp tables and lamps; lots of homemade wood items; costume jewelry.

STARTS AT 10:30 AM
HOUSEHOLD, PATIO & GARAGE ITEMS

New in box shop vac; aluminum step ladder; electric cords, saws, drills; miscellaneous tools and boxes; metal shelving; 4-piece patio set, 2 mesh seats, 1 rocker, small table; lawn chairs; Whirlpool refrigerator; small GE freezer; lots of Tupperware, pots, pans and glassware; pitcher and bowl; knick knacks ... LOTS!; shadow boxes; wood quilt shelf; miscellaneous

steins; crystal ware; Am. Indian items, Wolf items and collection of ceramic plates of Endangered Species by Cole-Bradford; Church Hill England china; Louis L'Amour paperback books & other books; stuffed animals; lots of yard & linens; different holiday items and lots of Christmas, new in box; pictures and frames; table full of John Deere collector items; miscellaneous toys such as semi, truck, Trouble on the Trail by Winchester; other modern semis and other toys; U.P. Rail Master train set and more; costume jewelry.

THE FOLLOWING ITEMS WILL BE SOLD AT 572 RD 390 AT 5:00PM
DIRECTIONS: Approximately 10 1/2 miles east of Council Grove on Hwy 56 to Rd. E. North on Rd. E 4 miles to Rd. 390. East on Rd 390 1/2 mile.

Kline steel storage container 25' x 8', door is 7 1/2 wide and tall, excellent condition.

Homemade 8' x 6' x 7' tall storage building on pipe skids, very good.

3 pt bale unroller, good

Pride Mobility Assist electric chair.
All metal 3'x8' ramp; pickup 4-wheeler ramps.

Seiki flat screen TV; lots of fancy work; 4 beautiful area rugs: (3) 10 1/2'x8', (1) 11'x8'; 4 old quilts; 2 white embroidery bedspreads and (2) embroidery table cloths; 2 tall turntable card displays;

& MANY MORE ITEMS NOT LISTED

AUCTIONEER'S NOTE: GREAT FURNITURE • GREAT Food and GREAT Air-Conditioned Community Building!
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SELLERS: GERALD & SHERRY RINDT (Were Rural Herington Residents) and IRS-STRAND

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
Clerk/Cashier: Bob's Auction Service • Lunch by Burdick Relay for Life

AUCTION

SUNDAY, JULY 9, 2017 — 12:30 PM

MORRIS COUNTY 4-H BUILDING, 612 US HWY. 56 • COUNCIL GROVE, KS
DIRECTIONS: 1 mile east of Council Grove on US Hwy. 56. **WATCH FOR SIGNS.**

MOWER: Craftsman 6600 zero turn mower, 24hp, 54" deck.

ANTIQUES & COLLECTIBLES: Daisy # 40 churn; butter churn; jadeite creamer & sugar; washboard; kerosene lamps; Cl bell; child's kitchen cabinet, 1920's; baby bassinet, 1940's; vintage photographs; 33 records; vintage ladies bicycle; various kitchen primitives; vintage children's books; Arcade grist mill; cap collection; sled; numerous hand done quilts; embroidery work; nice selection of costume jewelry; sewing nooks; powder boxes; dolls; board games; shoe store stool; various glassware; carved elephant, gazelles, giraffe, etc. from Africa; buttons; binoculars; live trap; various primitives; James ringer washer on stand; washtubs; deer sheds.

FURNITURE & APPLIANCES: oak curved glass china hutch; library table; oak buffet; swivel top table; small drop front desk; oak dining table & 4 chairs; maple corner shelf; record cabinet; occasional chair; Mitsubishi TV, 48"; walnut table lamp & coffee table, unique; small oak parlor table; floral sofa sleeper; 2 maple platform rockers; 2 folding tables; sewing machine in cabinet; metal kitchen cabinet; Hobart meat saw with extra bands, runs good; Cl tile top patio table & 2 chairs; Amana upright freezer, large; White King chest type freezer, large; Maytag washer & dryer; small Frigidaire refrigerator; Salona 2 person hot tub with cover.

TOOLS & MISC.: Steel Guide SS tool chest on casters 5' tall 18" deep 40" wide 14 drawers & top compartment, very good; Larin 4" vice, good; Craftsman 33 gallon upright air compressor; Delta 6.5hp, 2450 psi, power washer; welding bench; pipe stands; aluminum extension ladder; small anvil; Skill workmate; Power Kraft table saw; Stihl MS 250c chain saw; Ryobi 10" miter saw; jacks stands; folding steel ramps; socket sets, wrenches, screwdrivers, etc; pip wrenches; HD hand truck; head stalls & bits; Shakespeare long bow, like new; lots of canning jars; various yard tools; Ryobi leaf blower; Werner folding ladder; dog kennel; numerous water skis & other water toys; life jackets; trolling motor; 36" storm door; 10ft aluminum flat bottom boat; 8ft. wide x 7ft.tall roll up aluminum door, new.

inet; occasional chair; Mitsubishi TV, 48"; walnut table lamp & coffee table, unique; small oak parlor table; floral sofa sleeper; 2 maple platform rockers; 2 folding tables; sewing machine in cabinet; metal kitchen cabinet; Hobart meat saw with extra bands, runs good; Cl tile top patio table & 2 chairs; Amana upright freezer, large; White King chest type freezer, large; Maytag washer & dryer; small Frigidaire refrigerator; Salona 2 person hot tub with cover.

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BAXTER BLACK

ON THE EDGE OF COMMON SENSE

White Oaks Rodeo

The fourth of July week-end means different things to different people. Each of us may have a special memory of some fourth of

July. Maybe it's when you got married or had a baby or took that vacation to Yellowstone. To a lot of folks in the livestock business it means

RODEO.

The Independence Day that stands out in my mind was years ago. The big rodeo at White Oaks, New Mexico. You probably won't find White Oaks in your Rand McNally since it's a ghost town but it's down around Carrizozo and Capitan north of the Mescalero Indian reservation. It wasn't exactly a card-carryin' PRCA show, so it was right down my alley!

Two pardners and I arrived the mornin' of the

fourth in a fish-drownin' hat-soakin', slicker-testin' downpour! We entered up without looking at he stock. Just then the arena director on a four-wheel drive came up the draw drivin' the bucking stock. There were mares and colts, range, ready and to say they were thin would be kind. The bull ridin' turned out to be cow ridin' (they also doubled as doggin' stock).

The facilities were not quite National Finals approved. The arena was two football fields long and fenced in by sheep wire and cedar posts. The chute gate was made out of airport landing and baling-wired to a railroad tie. Airport landing, for those of you who weren't in the Seabees in the Pacific is a sheet of cor-

rugated steel, six foot by eight foot and dotted with grapefruit sized holes. Each sheet weighed about three hundred pounds!

By the time the tape deck played "Barebackers Get Ready," the arena was a 'five-buckle-deep' quagmire!

This was to be Conrad's first bareback ride. We got the riggin' down on the fightin' mare and I lent him my spurs. We kept whispering instructions and encouraging words. He reared back, pointed his toes and nodded his head. The four men on the airport landing grunted it open about eighteen inches, where it stuck! The mare bolted to the daylight. Con's first voluntary leg movement ended by lodging his left spur in a hole in the corrugated steel sheet! He had

one hand in the riggin' and one foot stuck fast to the chute gate. He bravely hung on until he was twenty feet long from hand to toe! Then he lost his grip and dangled, head down, from the gate, his hat cutting a furrow in the mud as he swung back and forth like a pendulum.

"All that cowboy gets is your applause!"

My turn came and they lowered me down on the mustang's back. It was like straddling a two-by-eight. I called for the pony. We escaped the chute but she never bucked! She broke in to a dead run and covered the two hundred yards like the starship Enterprise! It was beginnin' to look like she might not slow down. I bailed out just before she cleared the arena fence and lit out for parts unknown.

By the end of the rodeo I looked like a dyin' duck in a thunderstorm, Con's ankle was the size of his head and the chute was in pieces. We were lucky, though. I heard later a feller broke his leg and one of the doggers was never found!

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