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ResponsibleAg initiative presented at KARA annual meeting

By Donna Sullivan, Editor

In February 2013, the Ag Retailers Association (ARA) Board agreed to begin work on a code of practice for ammonium nitrate.

Two months later, on April 17, that mission took on a new sense of urgency when the explosion at a West, Texas fertilizer plant killed sixteen people and injured approximately two hundred others. Two explosions, just milliseconds apart, wiped out a nearby high school, and damaged apartment buildings and surrounding homes. The explosion was initially reported as having been caused by anhydrous ammonia, but it was later learned that it was two piles of ammonium nitrate that were detonated, possibly by a short in an electric golf cart that was charging nearby.

The Fertilizer Institute (TFI) held a meeting in Washington in response to the explosion and the backlash that was sure to follow. It was decided at that meeting to broaden the focus in the code of practice ARA was working on to include both anhydrous ammonia and ammonium nitrate. Throughout the process, that code of practice became known as ResponsibleAg.

On Tuesday, August 19, Scott Rawlins, treasurer for ResponsibleAg, a self-governed, not-for-profit corporation, addressed the annual meeting of Kansas Agribusiness Retailers Association and described the program that has been developed. "Our purpose is to improve



The explosion at a West, Texas fertilizer plant in April, 2013 killed sixteen people, injured approximately two hundred others and caused heavy damage to a nearby high school and surrounding residences.

AP photo

and document industry-wide compliance, prepare facilities for regulatory inspections and validate internal compliance programs," Rawlins said. "We want to demonstrate responsibility and transparency to the public and regulators. We want to have continued access to products, and safety for our employees, our customers and our neighbors."

TFI and ARA each pledged \$100,000 to get the program started, and the Asmark Institute is providing

an ongoing contribution by training and credentialing the auditors.

Participating facilities will be audited once every three years by a ResponsibleAg credentialed auditor. This works as a check against internal audits of a business to determine that those audits are robust, and also shows transparency to the public and regulators, Rawlins explained. Once a facility passes the 420-question audit, their name is entered into a data base so sup-

pliers can see that they have been verified as safe. If a facility fails the audit, they will be given a list of corrective actions which, once completed, will allow them to be entered into the data base.

Rawlins believes they will be ready to begin inspections in early 2015, and that a significant portion of the estimated 3,000 retailers who handle ammonium nitrate and/or anhydrous ammonia will choose to participate. He emphasized that at this point ResponsibleAg

will only look at existing federal regulations, and the audit does not include anything beyond what is being asked for at the federal level.

"What if we do nothing?" Rawlins asked. "Why are we doing this? Barbara Boxer (Chairman of the U.S. Senate's Committee on Environment and Public Works) said, 'If you don't do something, I'm going to do something.' That's not something we want to contemplate." He continued that last July President Obama issued an executive order asking regulatory agencies to come up with a list of options to prevent future incidents like the one at West, Texas from happening. "We're expecting any day the final report from those agencies that is going to tell us what Mr. Obama wants to do," Rawlins said. "So if we don't do something, we're probably going to face some things we really don't like."



Scott Rawlins, treasurer for ResponsibleAg, described the initiative for attendees at the Kansas Agribusiness Retailers Association annual meeting on August 19 in Manhattan.

GAO report finds fault with EPA's regulatory impact analyses

The Government Accountability Office (GAO) released a report recently concluding that information incorporated into EPA's

Regulatory Impact Analyses (RIA) of proposed rules lacked transparency. Additionally, the GAO found that the agency did not always monetize the costs and benefits of proposed actions and that the EPA had estimated effects of its regulations on employment by, in part, using a study that is more than two decades old.

"Without improvements in its estimates, EPA's RIAs may be limited in their usefulness for helping decision-makers and the public understand these important effects," the GAO concluded. The report examined seven EPA regulations designated as "major rules," those with an annual economic impact of \$100 million or more. The GAO examined EPA's analyses for each rule against 2003 guidance from the Office of Management and Budget (OMB) that lays out best

practices for how agencies should evaluate the costs and benefits of rules making their way through the federal pipeline. "Specifically, the information EPA included and presented in the RIAs was not always clear," the report found. "According to OMB guidance, RIAs should communicate information supporting regulatory decisions and enable a third party to understand how the agency arrives at its conclusions."

Two of the rules examined were the Renewable Fuels Standard (RFS 2) and the Spill Prevention Control and Countermeasures (SPCC). In regard to the RFS2 RIA, the GAO report concludes the EPA explained the need for the proposed rule – to assess the projected impacts of the renewable fuel volumes established through the Energy Independence and Secu-

rity Act of 2007 – but did not describe the problem the rule intended to address and failed to explain the costs, benefits and other economic effects included in its accounting statement. For both the SPCC and RFS2 RIA, the GAO determined that EPA did not present information for a range of alternatives to the proposed rule, though EPA maintains that the information was included in a previous RIA for SPCC and was not justifiable in the RFS2 case.

The report recommends that EPA take steps to improve the agency's adherence to the existing government guidance, but also that the OMB clarify the best way to apply that practice to the process of estimating costs and benefits of environmental regulations. The report is available at www.gao.gov/assets/670/664872.pdf.

Brownback addresses KARA members



Kansas governor Sam Brownback addressed the annual meeting of Kansas Agribusiness Retailers Association, discussing his tax policy that is designed to attract new businesses to the state as well as strengthen existing ones. "States with low income taxes have the most growth," he said. "When you've got more growth, you've got more taxes coming in from other categories and you can support your public sector unions. The public sector cannot long be more prosperous than the private sector. The private sector has to be generating jobs and income, paying sales tax and doing all this activity to kick off tax to the public sector."



Don't 'got milk'

By John Schlageck, Kansas Farm Bureau
Imitation dairy products may account for nearly 70 percent of the items a shopper finds in the dairy case today. That's according to the latest data from the dairy industry.

A trip down the grocery aisle will quickly reveal the often-copied dairy products. There are products that mimic butter, cream, whipped cream, sour cream, ice cream and yogurt. Imitation milk is not a new item and neither are the knock-offs for real cheese, including Colby, Cheddar, mozzarella, Swiss and even American pasteurized, processed cheese.

These so-called dairy

products are made from soybeans to rice to hemp and many do not contain milk. Still the average shopper would find it almost impossible to know that from the labels these products use.

Federal law requires milk, yogurt, ice cream, sour cream and cheese be made with milk from cows. An increasing number are made from products including soybeans, nuts and plants.

These imitators are packaged like real dairy products and the words "milk" or "dairy" often appear in their names. They pretend to be natural dairy products, but they're not.

Before you "get your bowels in an uproar," I'm

not suggesting such products shouldn't be sold. Today's consumers choose food for many reasons – allergies, ethics, personal preference, religion, etc.

Another major reason imitation dairy products thrive in today's grocery stores is the lower price. Budget-conscious consumers literally eat this up.

Food product names should be informative, not deceptive. When shoppers opt for a non-dairy alternative, many do so thinking it has the same nutrient value as real milk.

Let's call a spade a spade, putting a white fluid into a similar package as milk, with pictures showing uses for it just like milk and phrases on the carton like, the perfect alternative for milk confuses shoppers and tends to lead them to believe these imitation products are the real deal and they're not. And while we're at it, let's move these imitation items out of the dairy case as well.

These products can be sold but should be renamed so consumers better understand the differences between these imitations and real dairy products. The term milk, cheese, yogurt or ice cream should be used for foods that come from cows.

Consumers interested in eating real foods should remember three categories of food where imitations crop up consistently: dairy foods, juices and processed meats. Always check the label for the word imitation.

Check the first ingredient listed on the label. This ingredient usually constitutes the greatest amount of the food item. An example, the first ingredient of real cheese is milk.

Another thing to look for is the REAL® Seal on the package of the food product you buy. You can be confident you are purchasing a genuine dairy product that starts with milk from cows on U.S. dairy farms. The REAL® Seal guarantees the product was produced in this country, meets strict federal standards for milk and dairy products and contains no casein, vegetable oil, non-domestic dairy protein or ingredient or any cheese substitute.

Remember, every time you pay for a food item you plop down real money.

Make sure you know what you're buying.

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.

Prairie Ponderings

By Donna Sullivan

I'm sure that when my sister brought her grandkids to Kansas for our grandmother's funeral, she had no idea what it was going to cost her. Three of my grandchildren showed up for the funeral in their cowboy hats and boots, prompting this comment to my sister from her grandchildren: "Nana, we need cowboy hats and boots." For two days that was all she heard until finally, we all traipsed into a western-wear store, where they were soon outfitted with boots, hats, shirts, belts and ropes. That afternoon we went up to my

oldest son's place where – all decked out in their new duds – they fed a bucket calf, rode a horse, took a Gator ride through the pasture looking at cows and practiced throwing their ropes at a plastic steer head – all activities their Kansas cousins take for granted, but which they enjoyed immensely. By the end of the afternoon, they had experienced many elements of life on a Kansas farm and seemed to enjoy every minute of it. Their mother had also never done any of those things, so we were able to expose her to some of the realities of food production. I'd like to think she will take her new knowledge back to the naval base in Georgia and share it with her friends. And maybe, if and when she hears attacks on farmers and ranchers, she'll recall what she experienced and not be too quick to believe lies and misinformation. If nothing else, she now knows who she can turn to if she has questions.

Of course, the day's activities produced this comment from the backseat as they drove out of my son's driveway.

"Nana, I need a horse..."

Sorry, Sis, but this way of life really is addictive.



Jennifer and I have been discussing ways to cut our monthly expenses and one of the first things that came up is the cable television. I must admit that I often bristle when the mention comes up, but lately I have been giving it more thought. Yes, watching the news on TV is still depressing and maybe worse than it has ever been and the prime-time programs often shock me and do not represent the kind of morals and lifestyles that I want to watch. If it was not for watching sports and the weather I would probably have gotten rid of it a long time ago.

Recently I have gotten closer and closer to pulling the plug. Why now, you ask? It has everything to do with this being an election year. I know, November is a couple of months off and it is only going to get worse. I also know that each candidate needs to get their message out, but do all campaign ads have to be so negative? It seems like we cannot watch TV for even a few minutes without being bombarded with negative campaign ads.

I am not one of those people who could care less about the elections. Quite the contrary, I find the election process fascinating and I take my right to vote very, very seriously. However, I despise the oneupsmanship of gotcha ads. The worst of all the ads are the ads paid for by special interest political action committees. Nothing seems to be off limits to these groups and the "facts" they portray are often very skewed or slanted to their agenda.

Okay, before any of you affiliated with either of the two major parties start to gloat, I am pointing the finger at both equally. Let's be frank and honest, we are all at fault for allowing the election process to travel down this road. It is increasingly harder and harder to get our attention; we have become a society of sound bites and sensationalism. Very few of us take the time to sit down and analyze each candidate's position on areas we consider important.

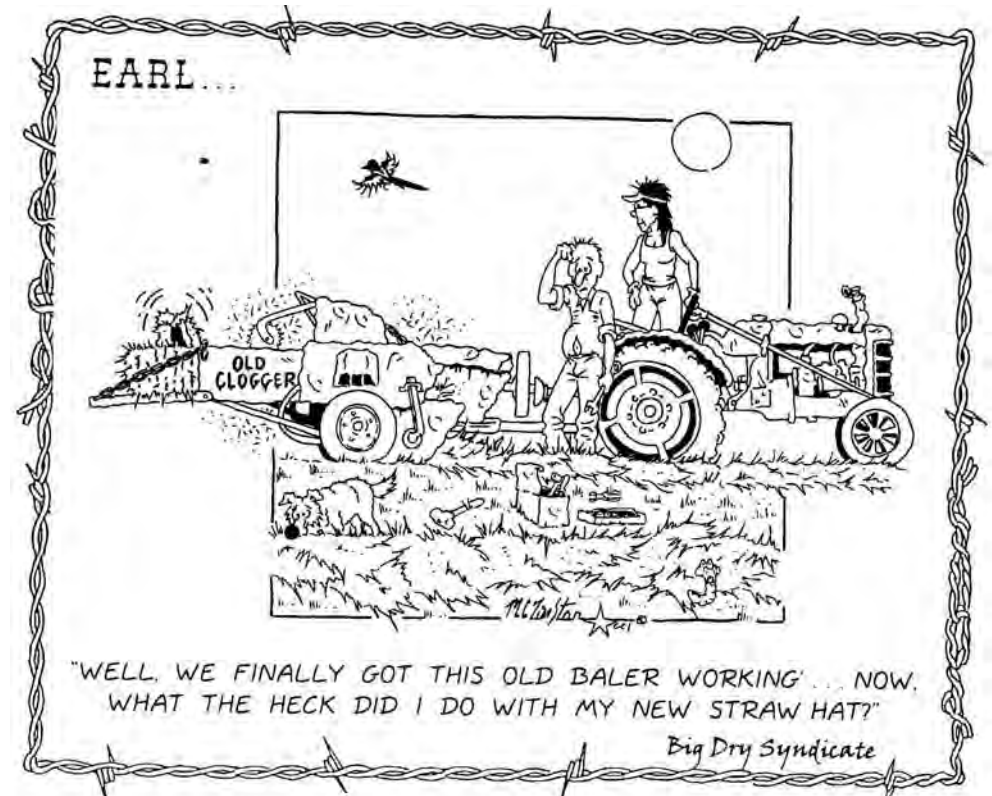
I know it is a cycle that each campaign falls into and often because of the PACs the candidate has

little or no control over the ads. I also know it is much easier to criticize your opponent than it is to develop and defend ideas and positions. In the rare instance when a candidate does have a plan or takes a stand, they are immediately attacked from all angles because of it. Negative ads catch our attention and we often let them sway our opinions and that has got to stop.

Yes, I know, at least we vote. I saw the statistics from the primary and the vote count was pitiful and that is a real shame. We should view the election process much like if we were hiring employees, because that is really what we are doing. We are hiring the people we are going to trust to run our government. Just think about what you would do if you were hiring and the person wanting the job brought you a resumé not filled with their accomplishments and qualifications but with negative information about the other people who were interviewing.

This is what I want to see from all candidates for all elected positions. First, I want to know why you are running for the office. What was the reason you put yourself on the ballot? What are your core beliefs and values – and give examples. What qualifications, education and/or talents do you have that you think make you a good candidate for this position? Finally, what would you like to see accomplished and what are your plan for the future? Those are answers I would like to see.

I know that is too much to expect and too much of an idealistic view. Why is that? Politics and campaigns are that way because we do not demand anything different. That is also why our current government is bogged down in finger pointing and partisan politics. The saddest thing is that this will not change until more of us get involved, ask for more information from our candidates takes the time to analyze that information and ultimately vote based upon the information. I believe in our great nation and I believe that we can and we will rise above all of this. However, it will take each of us making that conscious effort to do so.



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Berryton farmer Haselwood meets with U.S. soy's competitors in Paris

When you think of Paris, the Eiffel Tower, fashion or the famous Louvre museum could come to mind – not agriculture. But the City of Light was home to some of the biggest influencers in the world's soybean industry for a short time recently.

U.S. soy industry leaders, including Kansas farmer Bob Haselwood, recently participated in the International Oilseed Producers Dialogue (IOPD) in Paris, to keep building on the national soy checkoff's work breaking down market barriers for U.S. soy.

"When you talk with farmers from around the globe, you realize that we all have our advantages and disadvantages," says Haselwood, vice chairman of the United Soybean Board and a soybean farmer from Berryton. "Even though all of us oilseed producers are in competition, there are areas where we can work together."

Topics of conversation included helping importers understand and accept the science behind genetically modified organisms (GMOs), new trait approvals and government regulations outside of the United States.

Haselwood also met with fellow soybean farmers from the United States, Argentina, Brazil, Paraguay and Uruguay at the International Soybean Growers Alliance (ISGA) meeting, also in Paris. Normally rivals in the international marketplace, these farmers come together through the ISGA to discuss challenges common to all soybean farmers and ensure that soybeans remain a preferred source of food, feed and industrial products worldwide.

"These are issues that we all experience and need to work together to resolve for the betterment of the global soybean industry," Haselwood adds.

Ninety percent of the world's soy production comes from the countries represented.

Commodity commission candidates sought; November 30 filing deadline

Grain growers in far western Kansas who plan to campaign for a seat on one of the state's five grain commodity commissions — corn, grain sorghum, soybeans, wheat or sunflowers — should be gathering petition signatures now to meet the Nov. 30, 2014 filing deadline.

The 2015 election will cover districts one, two and three; the western third of Kansas. District one includes Cheyenne, Decatur, Graham, Norton, Rawlins, Sheridan, Sherman and Thomas counties.

District two includes Gove, Greeley, Lane, Logan, Ness, Scott, Trego, Wallace and Wichita counties. District three includes Clark, Finney, Ford, Grant, Gray, Hamilton, Haskell, Hodgeman, Kearny, Meade, Mor-

ton, Seward, Stanton and Stevens counties. To be eligible to run for any of the five commodity commissions the candidate must have been actively engaged in growing corn, grain sorghum, soybeans, wheat or sunflowers within the preceding three years.

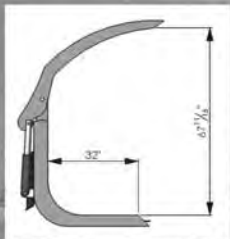
Candidates must gather 20 signatures from eligible voters to be included on the 2015 ballot. No more than five signatures from any one county can be used to qualify a candidate. Eligible voters must be Kansas residents who will reach age 18 before the election and who have grown corn, grain sorghum, soybeans, sunflowers or wheat for the last three years.

Candidate registration packets are available from

the Kansas Department of Agriculture or the grain commodity commissions.

More information is available from the Kansas Corn Commission at (785) 448-2626 or <http://www.ks.corn.com/kansas-corn-commission>; the Kansas Grain Sorghum Commission at (785) 341-6433 or www.ks.grainsorghum.org; the Kansas Soybean Commission at (785) 271-1040 or <http://KansasSoybeans.org>; the Kansas Sunflower Commission at (785)-565-3908 or www.ks.sunflower.com; the Kansas Wheat Commission at (785) 539-0255 or www.ks.wheat.com; or, the Kansas Department of Agriculture at (785) 564-6700 or <http://agriculture.ks.gov/ksda-services/kansas-commodity-commissions>

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GRASS & GRAIN

Our Daily Bread

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

Winner Arlyss Alexander, Clay Center, Shares Summertime Recipe To Win Prize

Winner Arlyss Alexander, Clay Center: "A good summer dessert."

EASY FRUIT PIZZA

- 1 box white cake mix
- 1/4 cup water
- 1/4 cup softened oleo
- 2 eggs
- 1/2 cup chopped nuts
- 1/4 cup chopped brown sugar

Blend above ingredients together and spoon onto two buttered pizza pans (I use a jelly roll pan). Bake at 350 degrees for 15 minutes until lightly browned. When cool mix together following ingredients and frost with:

- 8 ounces whipped topping
- 1/2 cup powdered sugar
- 4 ounces cream cheese

Toppings:

3 to 4 different fruits on top (I use kiwi, strawberries & blueberries; any fruit works)

Kay Domann, Easton: "This is one of my sisters' (Marla Craig) cheesecake recipes. We are always blessed with one at our Thanksgiving dinner."

GERMAN CHOCOLATE CHEESECAKE

Crust:

- 1 German chocolate cake mix
- 1 stick butter, melted
- 2 eggs, beaten

Mix together and press into bottom of sprayed pan (this works well with either a 9-by-13-inch pan or a

springform pan).

Filling:

- (4) 8-ounce packages cream cheese, softened
- 1 1/3 cups sugar
- 4 eggs, beaten
- 1 tablespoon vanilla

(NOTE: If you prefer New York Style Cheesecake, add 1 cup sour cream to above ingredients.)

Mix cream cheese and sugar just until blended. Add beaten eggs and vanilla until blended. Do not overbeat. Pour half of filling over crust spreading evenly.

Let chill at least 30 minutes in freezer before spreading frosting to keep frosting from sinking to bottom.

Frosting:

- 3 egg yolks
- 1 cup canned milk
- 1 cup sugar
- 1 stick butter
- 1 tablespoon vanilla

Cook over medium heat stirring constantly for 12 minutes until thickened. Remove from heat. Add:

- 1 1/3 cups coconut
- 1 cup chopped pecans

Let cool for 30 minutes before spreading on cheese cake. Spread remaining cheesecake filling over top of frosting. Place a pan of water on bottom rack of oven and cheesecake on middle rack. Bake at 350 degrees for 1 hour. Shut oven off, crack door and let set inside for 15 minutes to cool. Chill until ready to serve.

Helpful Hint: Overbeating cheesecake filling and no moisture in oven while baking will cause cheesecake to crack.

Frances Crosson, Minneapolis: "Thelma and I had been friends for over 50 years ... through SS, church, bridge, etc.

"We had a little joke

going between us. In SS if anything was said about age I'd say 'Thelma is older than me, you know (9 months).'

"I started saying that instead of 'goodbye' when I visited her in TLC, the rest of her table got a kick out of it. That was the last thing I ever said to her.

"I was honored that she used one of my recipes in her recipe book (page 24)."

FRANCES BARBECUE GREEN BEANS

- 3 cans green beans, drained
- 1/4 teaspoon liquid smoke
- 1/2 cup brown sugar
- 1/2 cup ketchup
- 6 strips bacon
- 1 small onion, diced

Cook bacon; drain leaving 1 tablespoon fat in skillet. Brown onions slightly. Cut bacon in small pieces. Mix all ingredients. Cook on top of the stove until heated through. Yields: 6-8 servings.

"If you don't like the other one, I use this one regularly. Thelma didn't say so but I always put leftover dough together and got another biscuit or 2."

BISCUITS IN PARADISE (page 43)

- 2 cups flour
- 1 tablespoon baking powder

- 8-ounce tub cream cheese
- 1/2 cup milk

Mix flour and baking powder together. Use pastry blender to cut in cream cheese to a crumbly mixture. Stir in milk. Stir until it holds together. Turn out onto a floured board. Pat dough to 3/4-inch thick. Cut 10 to 12 biscuits and place on cookie sheet. Bake at 425 degrees for 12 to 15 minutes.

Marcile Shippy, Woodbine: "Here's another one of those good Thelma Baldock recipes that we enjoy. 'Can be used as main dish or other'."

BEAN DIP OR

SANDWICH "MAKIN'S"

- 1 pound ground beef
- 1/2 onion, chopped
- 1/4 chopped green pepper
- 16-ounce can dark red kidney beans
- 1 bottle (8 to 10 ounces) taco sauce

Brown hamburger, onion and green pepper; drain off fat. Drain the juice from beans, mash until smooth. Mix the mashed beans and taco sauce into the meat

mixture. Pour into sprayed deep 8-by-8-inch baking dish. Bake at 350 degrees for 45 minutes to one hour. Can serve in crock-pot to keep warm. Spread on hamburger buns or serve with tortilla chips.

Katrina Morgan, Americus:

CHICKEN & RICE

- 10.5-ounce can cream of celery soup
- 10.5-ounce can cream of mushroom soup
- 2/3 cup milk

- 1 1/3 cups uncooked instant rice

Chicken (around 8 pieces), cut up, skin removed

- 1.25-ounce package onion soup mix

Combine celery and mushroom soups, rice and milk in a mixing bowl. Mix well and pour into a greased 9-by-13-inch baking pan. Spread out evenly. Sprinkle onion soup mix over rice mixture. Arrange chicken pieces on top. Cover with foil and bake at 325 degrees for 2 hours.

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2. Be sure your name, address and phone number are on the entry. Please include a street address with your recipe entries. A post office box number is not sufficient for prize delivery. Allow 3-4 weeks for delivery.

3. Send it to: Woman's Page Editor, Grass & Grain, Box 1009, Manhattan, KS 66505.

OR e-mail at: auctions@agpress.com

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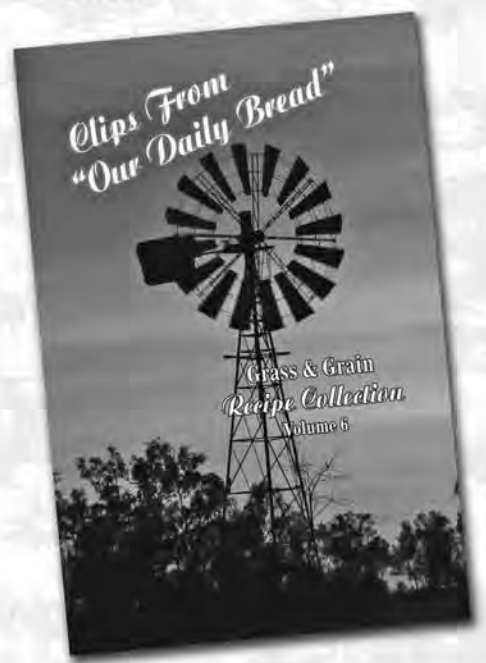







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Building an Emergency Fund

MANHATTAN — According to an annual survey conducted by Bankrate.com (<http://www.bankrate.com/finance/consumer-index/financial-security-charts-0614.aspx>) more than a quarter of Americans have no emergency savings. Of those who do have savings, 67 percent have less than six months worth of expenses saved. Having access to just \$500-1,000 in savings could help most people meet unexpected financial challenges, said K-State Research and Extension family resource management specialist Elizabeth Kiss.

While some people had built up savings prior to the recent recession, they might have used that money, Kiss said. The purpose of emergency savings is to have money on hand when disaster strikes or money is tight, but those funds need to be replaced as soon as a household is able to after the emergency occurs.

"You're saving for an unknown," she said. "We don't like to think about bad things happening, and it's hard to imagine it until something happens. I think that captures the reasons why people don't have adequate emergency savings."

Kiss said savers should try to have six months to a year's worth of living expenses on hand to combat any unforeseen expenses.

"It's living expenses, not income, so it's likely less than your total income," she said. "Regardless of the amount, most of us would probably do better to have more."

Car maintenance, home maintenance, storm damage repair, and travel are anticipated expenses and reasons to have emergency savings on hand, Kiss said. While putting money away for the unknown makes saving difficult, having cash allows for less dependence on

credit cards and other sources of funding.

"It might give you more options than you would have if you don't have that cash," she said. "I think that's important to think about."

The first step to take in building an emergency fund is deciding where to store your money.

"You might want to have more than one place," Kiss said. "If the power is out in your community, the ATMs may not work. If you don't have cash, you might not be able to buy things, because the store may not be taking cards. You want to have a bit of cash somewhere safe."

Spread out your savings, Kiss advised. Keep some cash stored in a safe, or in a secure place in your home or office. Depending on your financial situation, it might be helpful to store some funds in separate accounts, or have one account exclusively for your emergency fund.

Make a habit of putting money into your emergency fund each month, she said. Decide on a dollar amount, and move it to your emergency fund account each time you receive a paycheck. Make sure your savings goals are realistic, and avoid setting them too high.

"Think about how much you can realistically save every month, and think of it as putting it aside rather than just saving," Kiss said. "You might also move some for retirement or other savings goals that you have, and then you know what you have left to pay the bills."

What if you don't have \$25-50 to save each month? Kiss advised to watch for "spending leaks," small, regular purchases like morning lattes, soda and candy bars, and trips to the vending machine.

"It doesn't mean you have to go without," she said. "Think of ways you can

meet those needs, but pay less. If you like to drink pop, buy it at the store. Make coffee at home."

Homeowners can look for ways to save on fixed expenses such as heating and cooling, Kiss said. Small changes, including setting the thermostat a few degrees higher in the summer, closing curtains and using fans can curtail those expenses.

"It's always good to review those services on a regular basis," she said. "Look over them at least once a year, if not more frequently. Keep track of some of these changes and see if that doesn't help."

The ultimate goal is to make saving a priority, Kiss said. Think of an emergency fund as you would any monthly utility.

"You need it just like you need heating, cooling and water," she said. "Put it in with your bills, and think of it that way."

The greatest advantage to having an emergency fund is having something to fall back on.

"It can be great peace of mind," Kiss said.

More information on money management is available at county and district extension offices, and on the Extension website, www.ksre.ksu.edu



New life to old house

By Lou Ann Thomas

As I write this workers are installing a new air conditioning and furnace unit in my house. The old, circa 1972 unit, was still chugging, but it was growing more needy with every season and was sucking up electricity and propane at an alarming rate. The new one should not only be more dependable and more quiet but also more efficient.

This is just the next step in my attempt to breathe new life into this old house, which my mother designed and my father built. We moved into the basement in the fall of 1956 around my fourth birthday. The upstairs was finished the next summer. Even though I always knew my parents wanted me to

move back here when they were gone, I was never sure I could. My parents are in every board and nail of this place and I felt as though living here again would be like living with not only their ghosts, but with my own.

And it is. Downstairs, under the carpet, my little footprints, less than three inches long, remain painted on the floor. I awoke from my nap one summer afternoon and, never one to like to miss anything, was in a hurry to find out what my mother was doing. She was painting one of the bedrooms downstairs and when I flew through the door, so happy to have found her; I knocked the paint can off the ladder. The paint felt so deli-

ciously cool on my feet that I splashed around in it for awhile. Those tiny footprints lead all the way up the steps, up which I fled with my mother's shocked and angry voice chasing me.

That open space in front of the picture windows is where we always put our Christmas tree. The ornaments are stored in the basement in a box, with my mother's perfect handwriting labeling its contents as such. The "Christmas Ornaments" box has a lot of company. There are similar boxes stacked from floor to ceiling on the shelves in the basement, all with that familiar handwriting accurately labeling each. "Fabric" sits snugly between "Art Supplies" and "Wrapping Paper."

I'm finding it painstakingly difficult to cull through everything left behind from their lives. Doing so feels as though I am dancing with ghosts. But I am gradually finding comfort in the memories that live here. One of the things I've been amazed to learn in this process is that, when you're dancing with ghosts it is possible to cry and smile at the same time.

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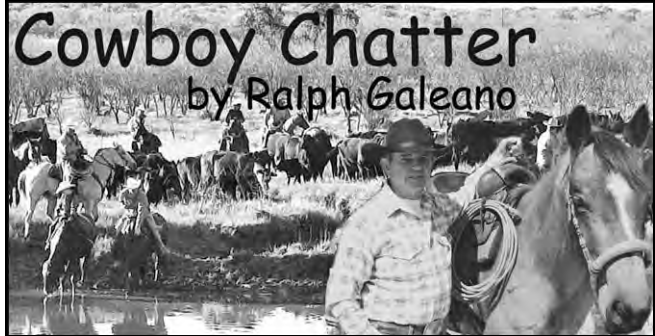
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A Bad Run of Luck

Have you ever left a gate open or a latch not hooked tight? When that happens and your animals get out, you can only blame yourself and promise to never let it happen again. But, when Mother Nature opens the gate, you have to chalk it up to “a bad run of luck.”

A bad run of luck always seems to come at a bad time. Late at night during a winter storm when it's ten below is a bad time.

Our phone woke us late one bitter night. It was the school teacher down the road. Our cows were on his place eating the bales of hay he set up to practice shooting his bow and arrow. Archery range, he called it. I listened to him describe the mess they were making. They were tearing up bales, squirting manure and mixing it up with hay and snow. It was freezing solid making an “icy mess like frozen brown popsicles.” His archery range looked like a barnyard,” he said.

They can't be our cows. We've got good fences, I thought, but told him that I'd come right down. I climbed out of bed and turned the lights on. My wife asked who was on the phone. I told her about the cows and brown popsicles and suggested she come along, just in case.

“I never knew popsicles came in brown,” she said.

Now, getting dressed to brave a winter storm when it's ten below takes time. Pulling on long johns, heavy pants, wool shirts, insulated coveralls and shoe packs keeps you busy for a while. Ear muffs, wool hats, face mask and gloves all have to be donned with care to make sure there are no openings to let the wind blow snow under your armor and freeze your ear lobes and other delicate

things.

After banging the ice off the doors to break away the build up of ice so we could open them, we climbed into the pick up amid a flurry of wind-blown snow. While the engine was warming, I had time to reflect on the pleasure of ranching in Montana. As we watched the defroster gradually thaw a small hole through the crusted ice on the windshield, I thought how lucky I was to be able to experience the joys of ranching in winter but, most of all, I was glad I plugged the engine head bolt heater in before I went to sleep because the warm engine cranked right up. A vision of a “For Sale” sign by our front gate crossed my thoughts as the hole on the outside of the windshield slowly got larger and larger.

We plowed through snow drifts and up onto the hard road headed for the teacher's archery range. Wind was blowing the snow sideways and it was hard to see the road. A couple miles later we turned onto his road and crawled towards his house. I thanked Henry Ford or whoever invented four-wheel drive every time we went off the road and had to go into after-burner to power back to where we thought the road was.

“How much do you think those calves will bring next fall?” I shouted at my bride, as we gained the road again.

“Not enough.”

“What?” I said.

“They won't bring enough to make up for all this misery.”

“It's not that bad. This doesn't happen very often. Besides, they help pay the bills, put food on the table and boots on our feet.”

We pulled into the yard and around the house to where the archery range was located.

“Good Lord!”

There stood Horny Cow, our prize Hereford. Snow whistled by her magnificent horns as she crunched a mouthful of bow and arrow hay. The range was a mess. Brown popsicles mixed with Eskimo pies covered the crime scene and forty head of Herefords were destroying every bale of hay on the range. They were our cows! How did they escape our pastures?

I dropped our tailgate and opened a bale of alfalfa. I sailed one flake towards the cows. They dropped the bow and arrow grass hay and headed for the green alfalfa. Once they started jostling over it, my wife idled the pickup out of the archery range. The cows had their eye on the open bale sitting on the tailgate and trotted after the truck while I doled out just enough hay to keep them interested. We cleared the teacher's yard and headed down the road towards a pasture that bordered our place. Through the gate we went heading toward home with our fugitives following along for a chance at a mouthful of sweet alfalfa.

Things seemed to working okay until the truck found an irrigation ditch hidden by snow. It buried itself in the ditch and wouldn't pull out even with full power and chains on the wheels. While I worked to free the truck, the cows helped themselves to the rest of the hay. The truck was dead and wasn't going anywhere. The cows started to scatter and things were looking grim. The vision of

the “For Sale” sign kept popping up.

We found a couple of sorting sticks in the truck and started the cows on foot toward our gate a half-mile away. An hour later we pushed them onto our place. The night wasn't over. I wished I had a tractor with a warm cab because I spent the next two hours riding the fence line on the open tractor trying to find where they made their escape. The fences were all up and tight.

Mostly froze, I coaxed the tractor back to the barn and made my way to the house hoping the cattle would still be in our pasture come daylight. I shed a ton of ice-crusted clothes and made a pot of coffee. By the time I thawed out, it was coming daylight. It's time to check the cows, look for the hole in the fence and pull the truck out of the ditch.

Back in the tractor, I headed to the pick-up. The snow had quit but it was still blowing and cold. I pulled the truck out and tried to start it. The cold engine made a few tries for life but just couldn't get it done. The battery died. At least it is out of the ditch, I thought. I could see subtle signs in the snow of where the cattle had milled around the truck cleaning up the alfalfa. Wind and snow had mostly obscured their tracks but there was just enough sign visible to backtrack them. I drove back to the teacher's place and looked around. I followed their sign and it led to the frozen lake between our place and the neighbor's.

The fence ends when it



Anna Kelly was the intermediate high point winner in the judged horse events at the Clay County Fair.

AUCTION

SATURDAY, SEPTEMBER 6 — 10:00 AM

10256 Ross Road — TOPEKA, KANSAS

(1/2 mile South of Willard)

SHOP EQUIP.: Generator welder, 6.5hp Black Max 2 stage pump, Industrial air comp. 80 gal, wire welder, Shumacher 10/40, AC/DC arch welder 100/200, Hobart 180 wire welder, acetylene torch, Homelite generator 4400 watt.

CONCRETE EQUIP.: Wire ties, Remington rivator, (2) K60 concrete saws, Stihl T5335 concrete saw, David White instrument level, Near New 20 ft concrete chute, concrete metal stakes, concrete blankets.

LIVESTOCK EQUIP.: Elec. clippers, cable & pipe for fencing, big bale horse feeder, hog equipment, some horse tack, rabbit cages & hutches.

MISCELLANEOUS: Older manure spreader on rubber (new floor), 2) 100# propane bottles, (2) Homelite string trimmers, leaf blower, misc chain saws, Stihl chain saw (newer), ladder rack for p/up, tracks for skid loader, scrap iron.

MOTORCYCLE & AUTOMOTIVE: 1999 Harley manual, Ford manuals, Chiltons manuals, Dodge manuals, motorcycle handle bars, old motorcycle trailer, motorcycle engine stand.

MOTOR HOME: 1986 25" JAYCO mini motorhome Ford E 350 (460) runs great, good tires, sleeps 6, rear bath, 4000 watt gen. set, trailer hitch, 44.694 miles. Always garaged.

MOWERS & TILLERS: John Deere 6hp Tecumseh front tine tiller, mowers & other tillers.

ANTIQUES & COLLECTIBLES: Old candy machines, Barber/Dentist chair, metal beer signs.

GUNS: Taurus 357 38/45 magnum pistol.

HOUSEHOLD: Deep freezers, charcoal smoker, Thermos gas grill, 5 person older hot tub, many other household items not mentioned.

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(Chicago Telephone, Dean Electric & Strongberg Carlson); 3 wooden churns; several wooden buckets & bowls; several wood boxes; wood carpenter tote; scooter; crocks inc.: 2 wall salt crocks, blue bowls, Heinz Apple Butter, crock pitchers; Tom Thumb booster chair; pictures inc.: 1880 George & Martha Washington litho, litho White House Society of Colonial Days, 1917 The Soldiers Return; cast iron mail box; tins inc.: Katz Drug Russian Mineral Oil, Sweet Cuba, Kake Kan Koffee; tobacco drying rack; copper boilers; Little Bo Peep Austria plate; wood hand seed cleaner; "The Stewart 1881" propane Taylors iron; sword scabbards; Phaeton cast iron Model A toy; pop metal cars; cast iron pots; wood ironing board; high back saddle; tobacco cutters; duck decoys; lanterns; wood chicken feeder; granite inc. coffee pots, roasters, pots & pans; car posters; sheet music; WIBW Round Up magazines; Stoeger Shooters Bible 41, 47, 48.

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meets the lake. They never venture out on the lake even when it's frozen. One brave cow must have discovered she had good traction on the crunchy snow-covered ice and the rest followed. Right around the end of the fence!

It was a small shallow lake less than a football field wide. I'll have to fence across the lake to keep this from happening again, I thought.

Back home, I loaded jumper cables and retrieved the truck. I put posts, wire, staples, chainsaw, sledge and drove the truck out on the frozen lake. I lined up from the fence on one side of the lake to the fence on the other side and paced ten steps and stomped a mark in the snow. After I shoveled the snow down to bare ice, I cut a square hole in the ice with the chainsaw, slid the first pole through the hole to the shallow, soft, lake bottom and pounded it in with the sledge. I did it ten more times and strung the wire. I was done!

The cows were still home and their escape route was plugged. Cold, tired and covered with frozen slush, compliments of the chainsaw cutting through ice and slinging off lake water that froze to my Carhartts and shoe packs, I climbed in the truck looking like an icicle with brown eyes and hoped it would crank back up.

It did. My luck was finally changing. I eased across the lake toward shore. Just before the front wheels reached the low bank, they broke through thin ice and dropped three feet to the bottom! As water seeped into the cab, I knew three things were gospel: 1. If I didn't get this truck out of the lake pronto, it was going to freeze in solid and be there till spring. 2. I was going to find a “For Sale” sign painter. And 3. I sure enough was having “a bad run of luck.”

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

Construction/Contractors AUCTION

SATURDAY, SEPTEMBER 13 — 9:00 AM

2100 Ave & Paint Road — ENTERPRISE, KS
Directions: 3 miles east of Enterprise, KS on 2100 Ave. or From Chapman, KS - South on Rain Rd to 2100 Ave then 2 miles West.

EQUIPMENT: 1984 963 LGP Caterpillar Track Loader, 2 ½ cu. yd capacity, rebuilt by Caterpillar in 1999 with 10,000 hrs., now has 15,100 hrs, tracks are 80%, open ROPS, rebuilt left final drive last winter, Very Good Condition; 1996 410 E John Deere Backhoe, 5,100 hrs, extendable stick, 4-wheel drive, excellent rubber, has 3rd valve to run hammer or compactor, heat and AC, Very Good Condition; 2006 LS 170 New Holland Skid Steer Loader, 2,200 hrs, auxiliary hydraulics, Excellent Condition; 40 KW PTO Driven KATO Standby Generator; Wacker 8500W Electric Start Generator, 120/240V; 5' Cats Paw Sheeps Foot, oldy but a goody; 14", 16", 36" Backhoe Buckets, 16" fits JD 410E; 1/3 CY Concrete Bucket.

VEHICLES & TRAILERS: 1984 9370 IH Transtar Semi-Tractor, new rebuild on 450 Cummins, 10-speed, wet kit, good rubber, Good Solid Work Truck, 815,000 miles; 1988 Peterbilt 379 Semi Tractor, wet kit, 3406 Cat 10-Speed, good work truck; 1984 Trail King 50-ton Triple Axle Detachable Neck Lowboy, new brakes 2 yrs ago, swing outs to 10'-6" wide, recently hauled 108,000 lb 983 track loader, Good Heavy Trailer; 1986 LN 8000 Ford Dump Truck Cat 225 HP 10-Speed, new Hendrickson bushings, brakes, clutch and tranny, alternator and batteries, rebuilt dump cylinder, air gate, Good Solid Truck; 1976 LN 8000 Bale Truck, lost title, runs and works; 42' Grain Trailer Double Hopper, new brakes, needs work; Older Job-site Semi Trailer; 1999 F350 V10, 4-wheel drive, Crew Cab, 283,000 miles, Solid Heavy Pick-up; 1993 F250 7.3L, 4-wheel drive, Flatbed Pick-up, needs injector work, running when parked; 1998 Ford Ranger Pick-up 165,000 miles, good rubber, 20' Homemade Car Trailer, Tandem, 8000 lb axles, 2 5/16" ball.

CONCRETE TOOLS: 15' Razorback Screed, expandable to 65', used 3 times, Like Brand New; 36" Stone Troweling Machine; 36" Wacker Troweling Machine; Wacker 5 HP Ground Pounder, like new; (4) Wacker Concrete Vibrators; (2) TS Stihl 270 Concrete Saws, one w/walk behind bracket, only 1-yr old; New 14" & 18" Diamond Concrete Blades; New Abrasive Blades; Concrete Finishing Tools, includes: Mag Floats,

Fresnos, Handles; Hand Trowels, Edgers, Walking Edgers Mag Floats, Wood Floats, Step Trowels, Grooving Fresno, Curb and Gutter Darbys, Jointers, Walking Jointers, & 3 sets of Stainless Steel Sliders.

CONCRETE FORMS & MISCELLANEOUS: (80) 4" x 10' Sidewalk Forms, sandblasted & oiled; (54) 6" x 10' Paving Forms, sandblasted & oiled; (30) 12" x 10' Curb & Gutter Forms, sandblasted & oiled; (13) 12" x 10' Radius Forms; (10) 6" x 10' Radius Forms; (8) 4" x 10' Radius Forms; (50) Concrete Curing Blankets; (3000) Gates Cam Lock Bracket Forming Hardware; (1000) Gates Stiff Back Clamps; (16) 7', 5000 lb Scaffold Frames w/Braces; (10) Aluminum Scaffold Planks; 8' Wide Forklift Scaffold Frame; (30) Gates Scaffold Brackets.

TOOLS/SHOP: Rugby Laser; EB 10 Laser, T2 Wild 10 sec Theodolite; (3) Transit Levels; Victor Journeyman Torch Set & Cart; Air Arc; Dewalt 50-Gallon Air Compressor; 100,000 BTU Space Heater; 4' dia. Shop Fan, like new; 35 Ton Shop Press; 1 ½ HP 5/8" chuck Craftsman Drill Press; (2) Gang Boxes, lockable; (2) Hilti TE 56 Hammer Drills w/bits; (2) Bosch Hammer Drills w/bits; Dewalt & Porter Cable, 7 ¼" Skil Saws; 3/8" and ½" Drills; 4" & 7" Grinders; Milwaukee Chop Saws; Drills; Sawsalls; Electric Tin Snips; SAE & Metric Wrenches & Sockets; Torque Wrenches; Extension Ladders; HD Extension Cords; 50 Ton Bottle Jack.

MISCELLANEOUS MATERIALS: ¾" — 8" Plastic Pipe and Fittings, both sewer and water; 12", 18", & 24" Concrete, Steel & Plastic Pipe; (2) Manhole Riser Adjustments Rings, 6"; Manhole Ring and Cover; Several Pallets of Cut, Pitched, & Straited Limestone Stone; (120) Handicap Ramp Dimple Bricks; Large Assortment of 8", 10", 12" Gates Double Loop Wall Ties; Buckets of Self-Drilling Metal Screws; Large Assortment of Steel Beams, Channels, Angles; Assortment of Wooden Forms and Plywood; Road Detour Signs; Barricades; Cones; Safety Fence.

OFFICE EQUIPMENT: Canon Copier; Brother MFC6490 Color Fax, Copier, Printer; HP Design Jet 750C Plus Color Plotter.

HAY: (108) Bales of net-wrapped Brome.

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Managing pastures, forage & livestock when pasture and feed supplies are short

The recent rains in north central Kansas eased moisture concerns somewhat but livestock producers are still faced with dwindling forage supplies in pastures, declining water levels in ponds, and a short supply of harvested forages as they approach the end of the grazing season. These conditions emphasize the need for area producers to consider alternative management plans for pastures, forages, and livestock as

feed supplies are short and cattle prices are high. The River Valley District of K-State Research and Extension, along with Land o' Lakes Purina Feeds and the Cloud County Co-op Elevator Association will be conducting a program, "Managing Pastures, Forage, & Livestock When Pasture & Feed Supplies are Short" to provide producers with timely, end of grazing season management updates. The program will be held

on Thursday, August 28 from 9:00 a.m. to 11:00 a.m. at the American Legion, 506 Washington, Concordia. Topics on the program include: *Strategies to Stretch Feed Supplies - Summer, Fall & Winter *Water Quantity and Quality Concerns, Dale Blasi, Extension Specialist, Beef Nutrition & Management *Alternative Forages - options and concerns, Kim

Larson, Agronomist, River Valley Extension District *End of Grazing Season Herd Health Management, Randall Hobrock, DVM, Tallgrass Veterinary Hospital *The Role of Supple-

mentation when feed supplies are short, Rocky Yoder, Beef Specialist, Purina Animal Health, Gary Niehues, Wholesale Rep., Purina Animal Health *Questions & Answer Session for Our Pre-

sender Panel The program is open to the public with coffee, juice and donuts sponsored by Land o' Lakes Purina Feeds and the Cloud County Co-op. No registration is required.

Reducing fertilizer use with a more accurate soil test

Soil tests that determine fertilizer needs measure nitrate in the soil, but they don't sufficiently account for soil microbes, which mineralize organic nitrogen and make more of it available to a crop. As a result, farmers often apply more fertilizer than they need. Richard Haney, a U.S. Department of Agriculture (USDA) soil scientist in Temple, Texas, has developed a soil test that replicates some of the natural processes that occur in a field and accounts for that microbial activity, along with measuring nitrate, ammonium (NH4), and organic nitrogen.

Haney is with the USDA Agricultural Research Service (ARS) Grassland, Soil and Water Research Laboratory in Temple. ARS is USDA's principal intramural scientific research agency. The new soil test is known as the Soil Health Tool. It involves drying and rewetting soil to mimic the effects of precipitation. It also uses the same organic acids that plant roots use to acquire nutrients from the soil. The tool measures organic carbon and other nutrients, accounts for the effects of using cover crops and no-till practices, and will work for any crop produced with nitrogen or other types of nutrient fertilizer.

Haney has made it available to commercial and uni-

versity soil testing laboratories and has worked with farmers to promote it. Growers who use it receive a spreadsheet that shows the amounts of nitrogen, phosphorus, and potassium available to crops. On average, they reduce fertilizer costs by about \$10 to \$15 per acre. With less fertilizer applied, there is less of it running off into surface water. Haney and Daren Harmel, an ARS agricultural engineer at the Temple lab, evaluated the tool in fields where they raised wheat, corn, oats, and grain sorghum at nine Texas sites over four years. They applied traditional fertilizer rates; no fertilizer; and the

amounts dictated by the Haney soil tests. They planted and harvested on the same dates at each site, and kept track of fertilizer costs and application dates, crop prices, and overall profits. They found that the tool reduced fertilizer use by 30 to 50 percent and reduced fertilizer costs by up to 39 percent. The enhanced testing methods had little effect on corn production profits, but increased profits by 7 to 18 percent in wheat, oat, and sorghum fields. The results were published in the *Open Journal of Soil Science*. Read more about this research in the July 2014 issue of *Agricultural Research* magazine.



Judge Lindsay Upperman selected Sabrina Johnson as the intermediate champion dairy goat showman and JaelAnn Hoover as the senior grand champion dairy goat showman at the Clay County Fair.

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AUCTION
*** 2 DAYS • 2 LOCATIONS ***
FRIDAY, SEPTEMBER 5 at 5:30 PM & SATURDAY, SEPTEMBER 6 at 9 AM

AUCTIONEER'S NOTE: Don Dahl had 2 distinguished careers. The first as a 22 year naval aviator, the second serving 12 years in the Kansas Legislature. Don's extensive travels gave him unique opportunities to bring home many unusual & rare items that will now be made available to the public. You'll enjoy his estate auction!

THE FOLLOWING TO BE SOLD ON FRIDAY, SEPTEMBER 5 – beginning @ 5:30pm
LOCATION: From junction of D Street & Wilson Street, go ½ mile South on Wilson (follow gravel road). **WATCH FOR SIGNS!**

TOOLS/SHOP ITEMS
SHOP SMITH INCLUDING: Table Saw, Jointer, Band Saw, Lathe
Craftsman Radial Arm Saw • Craftsman Bench Grinder • Craftsman Table Saw • Wards AC/DC 230/140 Arc Welder • 6hp, 2 cyl, Air Compressor •Edco Wet/Dry Tile Cutter • 3 Ton Floor Jack • Black & Decker 1/2hp Grinder on stand • Heathkit #CO2500 Engine Ignition Analyzer • Dayton Battery Charger • Elec Drills & Saws • Stanley Box/Open End Wrench Set • Punch/Chisel Set • Central Machine Drill Press • Wrench Sets • Asst

Hand Tools • Metal Parts Bin • Ryobi 500 Detail Carver • 5hp Dirt Devil Wet/Dry Vac • 2) Large Metal Cabinets • Meridian 80-60 Transit & Tripod • Gear Box Filler • Pickup Tool Box • HWI 5hp Riding Mower with Bagger • Snapper 11.5hp Riding Mower with Bagger • Murray Push Mower • Front Tine Rototiller • Gas Weed Eater • Bar Clamps • Lawn Seeders • Wheel Barrow • Garden Tools • Hand Tools • Mitre Saw • 2) Overhead Fiberglass Doors with Track (10'x10' & 12'x12') • Roping Saddle "Action Company" #21551 • Lariat, Horse Tack & Grooming Equipment.

THE FOLLOWING TO BE SOLD ON SATURDAY, SEPTEMBER 6 – beginning at 9:00am
LOCATION: Commercial Building, Marion County Fair Grounds, HILLSBORO, KS

VEHICLES
1930 Chrysler CJ-6 4 Door Sedan, Totally restored, Parade ready! (Serial #6508307)
• 1969 Jaguar Roadster, Convertible – in process of restoration (G3150D427) Vin: 1R9457
• 2004 Ford F150 XLT Triton, V8, Automatic with Topper, 125,020miles, Cloth Interior – Clean
• 1988 4x4 Ford Pickup, Flatbed, Runnable
• Corvair Monza Spider 900
• Old 1940's IH Pickup, Flatbed
• Norton 850 Commando Motorcycle, 2 cyl, with extra 4.10 new cycle tire
• Early 70's Honda 350 Streetbike – good appearance

OLD/COLLECTIBLE
• U.S. Navy Officers Zebco Full Dress Sword, Germany, with Scabbard & Belt
• Misc VERY Old Bayonets/Swords
• Native American Lance/Spear, Flint & Rawhide
• Pachinco Machine
• Pinball Machine, Bally Lost World
• Hayes Equipment Gas Pump – totally restored
• Bowser Xacto Sentry Gas Pump with Electric Pump
• American Airlines, Jet Height Crew, Metal Pedal Car
Large Royal Crown Cola Pop Cooler • Brass Fire Extinguisher on Cart •Decoursey 57 Wichita Cream Can • 1 Cent Peanut Machine • Voss Chopper • Monkey Pod Wood Dinner Service • Enterprise Cherry Pitter • Family Grist Mill •Hobart (3440) 1/2hrs Coffee Grinder • GS Bell #1 ½ Hand-Crank Grinder • Arcade #1 Grinder • National Cash Register, Brass, (very nice) •#2 G.B. Bell • Argus M-750 8mm Movie Projector • Radio Town Country Coaster Wagon • "Remington Arms" Expert Clay Pigeon Thrower • Pocket Knives • Numerous Yard Sticks • Old Trunks • Old Muzzle Loader Barrel with partially carved stock • Assorted Very Old Keys • Gramercy Precision Instruments • Old Lamps • Gray Granite Water Kettle • Asst Kerosene Lamps • Polaroid 95A Camera with Case • Marble Zoo Animals, Salt & Peppers, Lighters • Sears 3Gal Elec Glass Butter Churn, Model 421-35550 • Elk Medical Dry Cell Battery Box • Jars of Marbles • Carved Wood Elephant Head • Set of 12 "Game Birds of the World" Plates by Capercaillie • Set of 8 Plates, Sailing Ships by Freeman • Norman Rockwell Plates • Polar Ice Chopper Jar • Numerous Old Wrenches & Hand Tools • Brass Hose Nozzles, Spigots & Valves • Old Planes • Old Bait Casting Reels • Cotton Scale • Numerous Glass Lamp Shades, - Jonathan Winter Cottages • Old Transit in box, good • Old Blue Jars • Graf Apsco, Unitron, Stereo Graf Microscopes • 5 Gal Brown Crock • Wash Boards • Large Black & White Enamel Pans • Copper Boiler • Poinsetta Center Piece with Candle Holders by Cappomarco (made in Italy) • Large Brass Ship Compass •Chinese Figurines • Carved Figures • Old Watervoir •Old Metal Doll House & Garage with Furniture • Old Lanterns • Egg Basket
CAST IRON ITEMS INCLUDING: 9) good Cast Iron Seats • Red Goose Shoe • Boxer Dog & Jolly "Black" Bank •2) Cast Lamb Molds • Cast Iron Toys AND 50 PLUS 1/18, 1/24, & 1/64 Scale Die Cast & other metal Cars, Trucks, Tractors, & more, ALL NIB • Numerous Large Boxes of Toy Cars, Trucks, Tractors & Equipment – ALL NIB • Hillsboro State Bank Liberty Bell Banks
50+ ASSORTED CLOCKS INCLUDING: Wall Clocks – Regular, C-Coppel, Seikosha, Waterbury 31 Day • Mantel Clocks – Ingraham, Ansonia, Gilbert, 2) Marble, Seth Thomas, Sessions • Will Wilson Darlington on Tall Stand • Box of Clock Parts • Wall Barometers
ASSORTED SCALES INCLUDING: JH Ltd 7lb Balancing Scale •Pelouzi • Howe Dial Scale • Way Wright • Landers Circular • Columbian • Detroit Automatic • Clifford Woods 200lb Cast • Barne & Kitchen Scales • Beam Scale
• **GLASSWARE & ASSORTED DISHES INCLUDING:** Large Dinner Sets • Green & Gold Fire King Dishes • Asst Carnival Glass • Asst Depression Glass in green, pink, gold • Hens on Nests • Collection of Toothpick Holders • 11 Piece "Hull" Oven Proof Set • Large Planters •Peanuts Jar • 2) Large Royal Hager Vases • Hager Pottery • Numerous Waterford Crystal (NIB) • Green Glass Kitchen Jar with Salt & Pepper Shakers •Chicken On Nest Can-

ister Set • Wedgewood Tea Service & Bowl Set Royal Doulton, England • Royal Doulton Orange Vendor Figurine • Eldon Stainless Steel & Rosewood Flatware • Rose China – Japanese/Laura Pattern (service for 12) •Queen City Silver Co. Tray 21x16, Derby Co. Silver • Silver Coffee Urn KS Co. eprns #G8020 • WB 2931 Candle Holders • Collector Plates Royal Copenhagen • Set Sango China Blue Ridge – Service for 8
HOUSEHOLD ITEMS INCLUDING: Coldspot Refrigerator • Washer • New Panasonic Microwave •New Vitamix Blender • Older KitchenAid Mixer • Sansui Stereo Speaker System

GUNS
Winchester Model 12-12gauge Shot Gun Pump • Mossburg 500cc 20gauge Shot Gun Pump • Marlin Model 336 30-30 Micro-Groove Barrel • 2) Browning Type/Daiwa Automatic 12gauge Shot Guns – Vent Ribs, 2 ¾" Chambers, Engraved Receivers/Full & Skeet bore • Winchester Model 190 22 Caliber Rifle, Tubular Semi Auto • Remington Model 12, 22 Caliber Rifle, Tubular Pump, (exceptionally nice) • J.C. Higgins 22 Caliber Rifle, Model 103.181, Single Shot • Armory Gun Co. 12gauge Single Shot Gun • Mosin Nagant 7.62x54, 19451, B4790, Russian? • 2) Old Double Barrel 12gauges, Remington & British, both with exposed hammers • **MISC GUN SUPPLIES/AMMO INCLUDING:** 20+ Boxes 22Caliber Long & Short Cartridges in Original Sears Stakeen Boxes • Box 20 7.62x54R Russian Cartridges • Weaver 4x Rifle Scope • Leather Cartridge Belt • 2) Holsters, (1 U.S.)

FURNITURE
Oak Matching Bedroom set, includes ¾ size bed, armoire, marble top dresser & night stand
Oak 12 Drawer Book Case with 2 Glass Doors • Oak Parlor Table • Oak Sellers Kitchen Cabinet • Large Walnut Roll-Top Desk with Marble Inlay • Oak Library Table • Oak Pigeon Hole Cabinet •Oak Secretary with drop Front (excellent) • Small Oak Square Table with Spiral Legs & 4 Chairs • Oak Dresser • Tall 6 Drawer Standing Desk • Oak 5 Shelf Stacking Bookcase, good • Oak 3 Door Kitchen Cabinet Top with glass in Doors • Round Oak Table • Smaller Oak Library Table • Old Victrola • Old 4 Drawer Dresser with Handkerchief Drawers • Very Old Oriental Coffee Table with Ivory & Hard Rock Inlays •Ivory Inlaid Chest & matching 3 Legged Table •Marble Top 2 Drawer Tile-Backed Credenza • Drop Lid Desk with Glass Display Top, Oak & Walnut •Oak 2 Drawer Work Table • 3 Piece Queen Bedroom Set • Pressed Back Leather Seat Rocker • 3 Piece Waterfall Bedroom Set • Matching Entertainment Center with Marble Inlay, Coffee & End Tables with Marble Tops • 3 Piece Set Red Velvet Upholstered Rocker, Chair & Love Seat • 6 Piece Set Bamboo Furniture - 4 Rattan Chairs with Planters • Wooden Rocker with Curved Arms Dark Oak Dining Set with Pedestal Table, 4 Chairs & China Hutch (modern) • Wood Benches • Wood High Chair • Maple Rolling Tea Table • 2 Recliners (taupe) • 2) Bar Stools with Wicker Seats • Brown Recliner • Love Seat & Couch • Stacking Leather Padded Footstools • 6) Gray Formica Chrome Table & Chairs • Metal Bed • Player Piano (serious water damage) • Dozens of Player Piano Rolls

RUGS & PAINTINGS
2) Oriental Rugs, Hand Woven, 9'x12' Ant. Peking & Chinese God Scene • **PAINTINGS:** 3 Lithographs by Salvador Dali – "Sacrament of Last Supper", "Trilogy of Love", & "Battle of Tetuan" • Oil Painting, Dutch Scene, Original Beckout • Approx 30 additional Paintings by Dietz, Eantes, Jue Yonlee, H Dong, Gabin, R. Taylor, J.R. Hami , plus local painters Goertz & Patton

MISCELLANEOUS
KS Metal Electronic Legislative Vote Tally Box, named seating arrangements
HB Klopfenstein Potters Wheel
3) Autoharps • CD Set "Learn to Speak German" • Dolly Madison Elec Ice Cream Freezer • 2) pair Wooden Shoes • Clay Dutch Town • Indian Style Rug • Bushel Baskets • 2) 9ft Oriental Rugs (new) • Golf Clubs • Military Locker • Boxes of 33 Vinyl Records • Hanging Shell Decoration • 2) Ornate Brass Chandeliers • Sawyers Grand Prix Slide Projector • Coleman Lantern • Kitchen Utensils • Westlinghouse Copper & Brass Coffee Set • Brass Chafing Dish •18 Pc Large Nativity • Wooded Fruit Décor • "Church" Birdhouse • Metal Martin House

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Sorghum Checkoff concludes five-year genetics project

The Sorghum Checkoff, in collaboration with NuSeed/MMR Genetics and the U.S. Department of Agriculture's Agricultural Research Service, recently completed a five-year, \$600,000 investment in a project to help broaden the pool of available sorghum genetics.

Sorghum Checkoff crop improvement director Justin Weinheimer, Ph.D., said the project, formally known as the "Re-instated Sorghum Conversion Program," was designed to make new sorghum genetic material available to sorghum research and breeding programs to enhance diversity within grain sorghum genetics.

"Advancements in sorghum seed innovation, such as yield, standability and drought tolerance, remain a top priority of U.S. sorghum farmers," Weinheimer said. "This project provides untapped sorghum genetic resources, which can be used to make more profitable sorghum hybrids."

MMR genetics sorghum breeder and principal investigator Fred Miller, Ph.D., said these new opportunities will result in significant and major crop improvements in sorghum hybrids that were not previously available through germplasm modification.

"There are vast germplasm reserves held worldwide, but breeders in the U.S. are constrained in using this material due to the fact that this tropical germplasm is unadapted to our day lengths and seasonal temperatures," Miller said.

Over the course of five years, the program converted wild-type sorghum varieties not suitable for

U.S. breeding programs into to genetic lines that are more easily incorporated into established

breeding and research programs.

"While traditional breeding methods were used to

develop this material," said Bob Klein, USDA-ARS, Crop Germplasm Research Unit research ge-

neticist, "we also used NexGen DNA sequencing technology to shorten the time between the start of

the breeding process and when the germplasm gets in the hands of seed companies. We are also mak-



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ing the DNA sequencing data available to any end-user who has the desire to use this genetic marker information in their breeding or genetics program.”

Between 2011 and 2014, Weinheimer said a total of 144 new sources of sorghum genetics were released to breeding programs across the country. A total of 15 different breeding and research

programs have acquired some or all of this material and are incorporating it into their programs.

“The results of this project are directly tied to making more productive hybrids, which in turn results in higher profitability for producers,” Weinheimer said. “We are already exploring ways to make additional genetic lines available.”



Roger Long was awarded the KARA Distinguished Service Award at their annual meeting August 19 in Manhattan. Long is an account manager and certified crop adviser for Rosens in Great Bend, is a board member and past president of No Till on the Plains and served on the Kansas Ag Mediation board. He has served on the KARA board of directors since 2006. Long is active in the Kids Ag Day in Barton County and operates a you-pick pumpkin patch as well as hosting tours of his farm.

Photo by Donna Sullivan

USDA to launch first national study of U.S. ranched-bison industry

The USDA's National Animal Health Monitoring System (NAHMS) in the next few weeks will launch Bison 2014, the first-ever national study of the U.S. ranched-bison industry. This initiative is intended to increase knowledge and understanding about the characteristics, health and management practices, and challenges facing bison operations in the United States.

“Bison 2014 represents a major cooperative effort to identify the needs of our producers, and to help target resources to help our industry continue to grow,” said Bruce Anderson of South Dakota, president of the National Bison Association.

To collect the data for the study, the USDA's National Agricultural Statistics Service (NASS) will send all U.S. ranched bison producers a questionnaire and materials describing the study. Producers are asked to complete and return the questionnaire within two weeks.

Bison 2014 is being conducted as a result of discussions between the USDA's Animal and Plant Health Inspection Service and representatives of the U.S. bison industry, including the National Bison Association.

NAHMS obtained input from bison producers and other industry stakeholders to define the most critical information needs of the industry; this input was used to develop the Bison 2014 study objectives:

Provide a baseline description of the U.S. bison industry, including basic characteristics of operations, such as inventory, size, and type.

Describe current U.S. ranched-bison industry

production practices and challenges, including identification, confinement and handling, animal care, and disease testing.

Describe health management and biosecurity practices important for the productivity and health of ranched bison.

Describe producer-reported occurrence of select health problems and evaluate potentially associated risk factors.

The Bison 2014 study

will be conducted by NAHMS under its designation as a statistical unit under the Confidential Information Protection and Statistical Efficiency Act (CIPSEA). By law, all information collected during the Bison 2014 study will be used for statistical purposes only and will be treated as confidential in accordance with CIPSEA guidelines. Bison 2014 results will be presented only in an aggregate manner.

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White Paper

Dr. Levi Sternberg preached the funeral service before a very large crowd of friends and mourners. The service at the grave was described as "impressive." "Dust was rendered to dust; safe from the storms, free from cares, in the bosom of mother earth, rests the body of our late Sheriff C. B. Whitney."

Ellsworth's most faithful lawman had been gunned down by a drunken Texas cowhand. The town was a tinderbox, ready to explode at any moment. In the wake of the sheriff's death the old vigilance committee that had come to Whitney's aid during its precarious early years enacted its own authority over Ellsworth's affairs. Undesirable persons were identified among the transient crowd and offered a chance to leave by the receipt of a white slip of paper, a "white affidavit."

In those hours of unrest, citizens spread the "law" of the white affidavit through town. With the law came speculation among the Texans as to who would receive notice. On August 20, 1873, John Good, Neil Cane, and Cad Pierce heard a rumor that they were at the top of the list for expulsion. Being Texans and friends of Billy

Thompson, Sheriff Whitney's killer, they were obvious targets for vigilante action. The men decided not to wait for the message and approached Marshal Ed Hogue and Policeman Ed Crawford with the question of the day. Cad Pierce wanted to know if there was anything to the rumor. Hogue replied, "There was no such thing..."

Crawford was new to the job, having been appointed to bolster the official police force in the insecure hours after the sheriff was shot. Crawford let his own emotions rule the day and began to argue with the Texan. As the confrontation grew more heated, Pierce stepped back. In that moment Pierce made a fatal movement, shifting his hand behind his back. Believing Pierce was going for a weapon; Crawford drew his pistol and opened fire. The Texan retreated into the doorway of Beebe's hardware store with Crawford close behind. Another shot knocked Pierce to the floor just inside the store.

But Crawford wasn't done. The officer continued his attack. As he beat Pierce over the head with his pistol the Texan's brains spilled out on the floor. When it

was over, witnesses found that Pierce had no weapon.

Neil Cain narrowly escaped being shot down only to be accosted by deputy "Happy Jack" Morco, who drew down on him with both his six-shooters. Fortunately Marshal Hogue intervened to prevent another tragic shooting. Cane didn't need a white affidavit after that. He and John Good saddled up and left town.

Cad Pierce was well known on the cattle trail. His death was reported in the *Nebraska City Press*. "Of Capt. Cad Pierce we can truly say a more perfect gentleman, since we have been acquainted with him, would be hard to find in any city or state." The paper published accounts of the events in Ellsworth in two separate editions noting, "Pierce's body was brought to Junction City last night, attended by 50 Texans, on its way to Texas. Pierce was the owner of 7,000 head of cattle. The Texans are breathing vengeance and threatening to burn the town. Lively times are looked for. All is now quiet in Ellsworth."

The Texans were in no mood to be shoved around. An entire army of them could be recruited from the surrounding cow camps. A gang of gunmen rode into town just to show their contempt for Ellsworth and its white affidavits. The men boldly rode through the town for about twenty minutes, informing all who could be found that Ellsworth would be burned to the ground.

Citizens formed themselves into a squad of "protectors." Guns were seized

and a dozen or so additional men, recognized by the vigilance committee as "hard cases" were ordered to leave town.

Kansas Governor Thomas A. Osborne issued a five-hundred-dollar reward for Whitney's killer, but Thompson could not be found. Attorney General Archibald L. Williams visited Ellsworth to "look over the situation" as Texans gave up the idea of burning

the town, packed their carpet bags, and boarded the train for home. A correspondent for the *Topeka Commonwealth* wrote "The 21st of August will be remembered in Ellsworth for the exodus of the roughs and gamblers." Fear can come from many sources, but in 1873 a simple piece of paper could send a cold chill down a man's back if he happened to be in Ellsworth when vigilantes

administered the law on The Way West.

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

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AUCTION

SATURDAY, SEPTEMBER 6 — 10:00 AM

Auction will be held in the 4H building at the North edge of BELLEVILLE, KANSAS

VAN

2010 Dodge Grand Caravan SXT, blue color, 24,720 miles, loaded, very nice & clean.

ANTIQUES, COLLECTABLES & COINS
Oak bench from Stransky General Store Munden, Kansas store; Belding Silk spool cabinet; Boye Hook cabinet; 4 gal Red Wing water cooler w/damaged lid; Coke 6 Bottle Take Home A Carton sign; Coke 6 Bottles 25 cents sign; (all of these items were from the general store); Remington model 12C hex 22 pump peep sight; oak curved glass china; German buffet; cast iron bed bench; round oak table cut down; floor model phonograph; Immigrant chest; camel back trunk; 20's cedar chest; 2 pattern parlor chairs; treadle sewing machine; painted 4 drawer chest; painted fern stand; painted magazine rack; mini Coke bottles; 50's toy Coke dispenser; Coke trays; ice tong; other Coke items; cuckoo clock; dog door stop; Candlewick pieces; toothpick collection; cracker jar; Pafiscraft dishes; tulip pitcher; Hull tea pot w/creamer & sugar; Hull pitchers; large pitcher collection; figurines; collector plates; assortment of other collectable glass; Deco lamp; kerosene lamp; other lamps; cuckoo clock; crock

bowl; Precious Moments; Blue Bird picture; silhouette pictures; Parish print; other pictures; banjo clock; Seth Thomas mantel clock; pitcher & bowl; jewelry casket; tobacco jar; shadow box; 12 place set flat ware w/extra serving pieces; coffee urn; **Toys inc.:** 50's Tonka trucks, dump truck, loader, grader, fire truck; Tru Scale combine, tractor, wagon & plow; clown & rocket gum ball machines; O27 electric train; Mighty Mike race set; Sears battery Mini Car Transporter; American tool chest; Tinker toys; Trolls; Lincoln logs; Erector set; many games & puzzles; Carom board; collector tractors; dolls inc.: Shirley Temple, rubber, other; wicker doll buggy; assortment of other toys; quilt blocks; rag rugs; linens; dollies; rug beater; wall match holder; pitcher pump; sad irons; wash board; puzzles; pickle jar; wood sugar scoops; egg basket; shoe lass; horses; brown crock churn; collector wrenches; horse hames; lanterns; assortment costume jewelry; assortment books; assortment Christmas items; assortment of other collectables.

COINS INC: 1903 \$2.50 gold piece; 1863 & 64 Confederate bills; 1914 Federal Reserve \$20; silver certificate \$1 & \$5; \$2 bills; 183 silver dollars inc.:

(1878-80-84-85-90-97-98-99-1900-21-23-24-25-26-27-34-35); half dollars; dimes (1833-89-90-91-98-1900-02-07-10-11-13-14-16); mercury dimes; quarters; nickels; buffalo nickels; Indian head pennies (1881-83-91-95-97-98-99-1900-01-02-04-05-06-07); 865 wheat pennies (1909-10-11-13-16-17-18-19-others); half dime; 1865 3 cent piece; mint sets; tokens; many other coins; **Coins will sell at 10:00 a.m.**

HOUSEHOLD & TOOLS

Oak 3 piece bedroom set; oak 60's china hutch; oak dining table w/6 chairs; 2 oak curved china cabinets; 13" Paroloid TV; drop leaf dinette table & chairs; hall entry cabinet; blue recliners; blue & white double recliner; oak entertainment center; plaid sleeper sofa; blonde cedar chest; oak computer desk; heated recliner; plant stand; card table & chairs; floor safe; metal file; roll a way bed; DP treadmill; baskets; sewing items; large assortment of other items. **tools inc.:** Shop Smith; Power Kraft 10" radial arm saw; 12" Craftsman band saw; Delta scroll saw; portable air compressor; air bubble; bench grinder; bundle fork; Workmate; shop vac; assortment hand tools; aluminum step ladder; yard tools; man & lady Sears bikes.

AUCTION

SUNDAY, AUGUST 31 — 10:00 AM
POTTORF HALL, CICO PARK (KIMBALL & AVERY)

MANHATTAN, KANSAS

Outstanding Walnut marble top sideboard with burl & carving (very nice); large Oak & glass display cabinet with sliding doors (very very nice); Walnut marble top dresser; mirrored back étagère; Victorian loveseat sofa; Oak dropfront desk; round Oak dining table; 6 Oak dining chairs; Oak loveseat; 2-section Oak stack bookcase; oak washstand with tower bar; Mahogany what-not shelf with 3 shelves & 2 drawers; pattern back arm chair; Large chest/armoire (1960's); 2 heavily carved marble top stand; marble top nite stand; Oak rocker; carved arm chair; automatic washer & dryer; primitive 2-door cabinet; sofa/couch; wingback chair; black leather chair & ottoman; small 2-drawer stand; loveseat hide-a-bed; 3-drawer stand; very nice quality area rugs; Sanyo stereo; metal step stool; easel; large double sided shelf; shelf with 2 drawers; child's cabinet; small oak stand; old school desk; miscellaneous furniture. **Pictures on website.** Regulator calendar clock; Oak kitchen clock; Seth Thomas wall clock; electric china clock; Seth Thomas clock; mantel clock; Sessions clock with chimes; cast iron & china ewer; auto harp; Chinese lamp; 2 metal figural table lamps; canes.

185 pc set of Rosenthal Germany china; 8 Sebastian figurines; Prussia Royal Rudastat bowl & ladle; Chinese vases; large soapstone vase; 185 pcs crystal including lots of Rosspoint; German plates; USSF figurines; opalescent pitcher; cut glass; nice Venetian glasses; numerous Chinese figurines;

German & Bavarian bowls; Bride's basket; various hand-painted plates; Chinese bowls; Bavaria pitcher; German cup; pewter figurines; Czechoslovakian vases; 18pcs pink luncheon set; Haviland; Austria; Vaseline; Arabia; Noritake; 6pcs Cloisonné; German hair receiver; 2 cut glass dresser boxes; Imperial double handled bowl; sugar shaker & pitcher; opalescent pedestal bowl; German powder box; paperweights; Westmoreland covered bird dish; Staffordshire vase; Flo-blue ironstone pitcher; Murano glass; brass items; 10 glass bowls; Sterling candleholders; handpainted plates; set of 12 green dinner plates, sandwich plates & demi cups & saucers; Black Amethyst vase; 14pcs Nippon; Carnival; figurines; 2pcs Hull; sterling cigarette lighter; red Cambridge tray; milkglass; 6 green parfait glasses; silver butter dish; Kewpie toothpick holder; wall string holder; opalescent creamer & sugar; 5 glass baskets; 4 German nut dishes; wall pockets; butter pats; crystal salt & peppers; cups & saucer; Burdett, Ks advertising piece; figural flower frogs; handpainted creamers & sugars; various Occupied Japan pieces; Akamai; early Japan pieces; elephant teapot; Hull; Czechoslovakian basket; German & other child's plates; ring box; advertising pins; German doll set; amber doll dish set; 38pcs blue Willow child's tea set; jewelry; pumpkin nodder; Michael Jackson photo picture record; 4 Swiss music boxes; cake pedestal Shirley Temple pitcher; green opalescent.

HUNDREDS OF PICTURES & ORIGINAL ARTWORK BY MRS. RIEGER (Her work has been featured in various shows & exhibits). Kachina mud head doll; Gotz German doll; 9 musical dresser/powder boxes; Oriental doll; Bakelite napkin rings; child's dish sets; hair receiver; Hallmark ornaments; Old post cards & Valentines; kitchen primitives; brass ice cream scoop; Laxative display cabinet; various books; bells; 22 advertising mirrors & thermometers; Gold Dust & Black memorabilia pictures; Bolo ties; advertising tins; 4 Steiff bears & bunnies; fur coats; chamber pot; footed basket; lamps; pin cushion doll; hankies; lots fancywork, crochets & linen; cedar box; marbles; 3 cast iron muffin pans; cookbooks; graniteware; wooden bowls; Religious pictures; movie projector; O'Cedar advertising sign; granite spittoon; eye glasses; beaded, Whiting-Davis & other purses; records; masks; 1934 Chicago World's Fair ashtray; 6 doll heads; small dolls; old ornaments & decorations; Coke tray; stack dolls; Effanbee Sailor boy & girl doll in box; Rainbow Brite in box; Barbie's; tin toy turtle; wind-up Santa; Budget bank; Tonka crane; pink musical Christmas tree; tin butterfly toy; bear & drum; wood horse; children's books; stuffed animals; pillow dolls; old quilts; metal dog bank; tapestry; sad irons; 1951 toy organ grinder & monkey; other antique toys; Lots of Art supplies; sewing notions; shells; metal trays; craft supplies; sewing patterns; canner; pans; 1950's glasses; Lots & Lots more!

MR. & MRS. HARLAND RIEGER

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Note: This is a very large auction. Check our website for pictures at www.thummelauction.com

PAUL & PAT HANDLEY ESTATE

Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC
785-738-0067 or 785-738-5933

Kansas Wheat staff go on a safari

On August 6-7, twenty-six of the nation's most influential food and nutrition professionals visited the Fargo area as part of the second Wheat Safari, hosted by the Wheat Foods Council (WFC).

Safari tour guests included prominent food and nutrition bloggers, academics from major universities across the country, newspaper editors and broadcast journalists. Kansas Wheat's Cindy Falk, nutrition educator, and Marsha Boswell, director of communications, traveled from Manhattan to Fargo, N.D., to meet up with the group.

"It was a pleasure hosting this prominent group in North Dakota," said WFC president Judi Adams. "They are important influencers of consumer opinion and take nutrition education of the American public very seriously. We as an industry have much to gain by working with them to ensure that consumers have the facts about wheat production, harvesting, milling and producing a table food."

Program speakers included noted carbohydrate expert and nutrition educator Julie Miller Jones, Distinguished Scholar and Professor Emerita of nutrition in the Department of Family, Consumer and Nutritional Sciences at the St. Catherine University in St. Paul, Minn. Dr. Jones addressed the group on nutrition issues, including how to help consumers identify whole grains in their grocery stores, and why gluten-free diets only make sense for those diagnosed with celiac disease, wheat allergy or non-celiac gluten sensitivity.

"People are going on gluten-free diets without a real diagnosis of celiac disease or non-celiac gluten sensitivity, and that concerns me, because the gluten-free diet is expensive and most important, can be too low in dietary fiber and whole grains, and high in calories and glycemic carbohydrates," Jones said in her remarks. "It's very hard to consume enough fiber on a gluten-free diet. Fiber is listed by



Marsha Boswell and Cindy Falk of Kansas Wheat attended the Wheat Safari in Fargo, N.D. from August 6-7.

the 2010 Dietary Guidelines Committee as a nutrient of concern, because low intake of dietary fiber is associated with a number of chronic health issues. And there is evidence that diets that include grains such as wheat and adequate dietary fiber support healthy gut bacteria. Further, they are associated with improved markers of health. Diets that eliminate grains and gluten are not a proven way to lose weight; in fact, such diets may contribute to weight gain. The only proven weight loss occurs by eating fewer calories."

Brett Carver, PhD, Wheat Genetics Chair in Agriculture, Oklahoma State University, covered agriculture-related issues, including wheat quality characteristics. "Food begins with the seed. My research specialty is developing new and improved seed of wheat that consumers will continue to eat and enjoy," said Dr. Carver. "Spending time with these journalists and health professionals gave us a chance to meet on common ground and learn from each other. Consumers are often misinformed about wheat and wheat foods, and now these influencers are in a position to correct that."

During their time in North Dakota, the group toured a farm in Portland, N.D., to learn first-hand about the harvesting of the wheat crop. They also visited the North Dakota Mill and the Conte Luna Foods pasta plant in Grand Forks, and the Northern Crops Institute and Wheat Quality Labs at North Dakota State University.

The Wheat Foods Council is a nonprofit organization formed in 1972 to help increase public awareness of grains, complex carbohydrates, and fiber as essential components of a healthful diet. The Council is supported voluntarily by wheat producers, millers, bakers, and related industries. For more information, visit www.wheatfoods.org.

Morris County Range Plant Walk to be held at Mashed O Ranch

Have you ever stopped to think about what your cattle are grazing? Do they just eat grass? Would you like to know how to read your pasture like the label on that sack of cubes? Join Morris and Chase County Conservations District members on September the 4th at 6:30 p.m. as they walk the cattle ranges of the Mashed O Ranch in southern Morris County. On this walk, they will observe the plants eaten by cattle, discuss their nutritional qualities, and talk about ways to manage for the right diversity of plants.

Three groups will be led by Doug Spencer and Alex Miller of the Natural Resources Conservation Service, and Mike Holder from K-State Research and Extension. When traveling from Council Grove, drive 9 miles south on Hwy 177 to Rd DD and then turn east on Rd DD, cross the cattle guard, and then follow the open range road 1 mile till it turns north. Continue driving north until you see the trucks on the side of the road.

Refreshments and sponsorship is provided by the Morris and Chase Co. Conservation Districts, and KSU Extension. To RSVP, please call Flint Hills Extension-Morris County @ 620-767-5136.

FDA finds mixed trends in antimicrobial resistance

The Food and Drug Administration (FDA) released its National Antimicrobial Resistance Monitoring System (NARMS) 2011 Executive Report recently, showing both increasing and decreasing antimicrobial resistance trends. The annual NARMS Executive Report focuses on resistance to antibiotics that are considered important in human medicine as well as multidrug resistance (described as resistance to three or more classes of antibiotics).

Under the NARMS program, samples are collected from humans, food producing animals and retail meat sources, and tested for certain bacteria, specifically non-typhoidal Salmonella, Campylobacter and Enterococcus, to determine whether such bacteria are resist-

ant to various antibiotics used in human and veterinary medicine. The report also includes data on Escherichia coli (E. coli) found in retail meats and chickens. Key findings from the NARMS 2011 Executive Report include:

Eighty-five percent of non-typhoidal Salmonella collected from humans had no resistance to any of the antibiotics tested.

In people, the five-drug resistance pattern "AC-SSuT" (resistance to ampicillin, chloramphenicol, streptomycin, sulfonamide and tetracycline) in Salmonella Typhimurium has declined to 19.5 percent in 2011 from its peak in 1997 at 35.1 percent.

During its 16-year history, NARMS has found Salmonella resistance to ciprofloxacin, one of the most common antibiotics to treat Salmonella infections in humans, to be very low (less than 0.5 percent in humans, less than 3 percent in retail meat, and less than 1 percent in animals at slaughter).

Monitoring antimicrobial resistance through NARMS is an important component of the overall effort to minimize antimicrobial resistance and promote appropriate and judicious use of antimicrobial drugs in both humans and animals. Find more information at <http://tinyurl.com/fda-anti-res>.

ESTATE AUCTION

SATURDAY, AUGUST 30 — 9:00 AM

2110 Harper Dg. Fairgrounds Bldg. 21, — LAWRENCE, KS

WINE & BREWERY ITEMS, ART WORK, COLLECTIBLES, CAMPER, TOOLS, FURNITURE, HOUSEHOLD, ETC.

See last week's Grass & Grain for complete listings.

Auction Note: Very Large Auction! Two Auction Rings Most of the Day! Dwight was a well-known KU professor and enjoyed his Art/Brewery/Wood Working!! Go to <https://burnhamauktion.shutterstock.com/> For over 200 pictures!!

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"MULTI-PARCEL" LAND AUCTION

SEPTEMBER 19, 2014 at 10:30 AM CDT - Troy, KS

240+ acres CROPLAND & CREEK BOTTOM - 2 tracts & combo.
Tract 1: N/2 SE/4 of 30-3-19 ; Tract 2: NE/4 of 30-3-19.

Auction will be located at the Leonard Clary Community Bldg, Troy, KS

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AUCTION

SATURDAY, SEPTEMBER 6 — 10:00 AM

The following surplus items will be sold at public auction located at 1710 E. 6th street in CONCORDIA, KANSAS

TRUCK, TRAILERS & PROPANE COOKER

• 1991 Chevrolet Kodiak 2 Ton w/366 engine on propane, 5&2 speed trans. & 12' metal bed w/toolboxes and overhead winch for moving tanks
• KCM 16' tandem axle trailer w/12' sides
BigTex 5'x12' trailer w/2' metal sides & rear fold down ramp; 9' trailer w/propane cooker mounted on the front (made from 500 gallon tank); Anhydrous tank running gear.

OFFICE FURNITURE, SHOP TOOLS & MISC.

L shaped office desk; office divider; office chairs; metal folding chairs; 16- 4 drawer file cabinets; MFC copier/printer; 5- 5 drawer x 4' wide file cabinets; metal parts cabinet; 27 drawer cabinet; chairs; 2- shop

vacs; oil pump w/meter; 3- 2 wheel barrel carts; Dewalt cordless drill; wooden work bench; Toro self propelled lawn mower; Honda 190 motor; flex tubing; new- Empire inferred heater; 3 new Universal Inferred Radiant heaters; Wilton band saw; air bubble; pallet jack; Abrasive Blast Systems, self contained sand blaster; 110 Lincoln wire welder SP125 Plus; bolt bins; 3- adjustable show room shelves; lg. pipe vice; 2- barrel pumps; chain hoist; hand winch; electric drills; 2- 4" grinders; creeper; paint gun; sm. Anvil; 2- 4' truck tool boxes; new-air pods for semi; garden tools; mud flaps; selection of Ducane & Broilmaster grill parts; assort. of pipe fittings, hose & bolts; many other miscellaneous items.

CHECK OUR WEBSITE FOR PICTURES: www.jlauctions.com

SELLER: PROPANE CENTRAL

Auction Conducted By:

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Check our website at: www.jlauctions.com



1725 NW 24th, Newton, KS

- 5 bed, 3.5 bath, 2 car garage and finished basement!
- This home sits on 5.4 acres, with a corral, a 84x54 pole building.
- Geo thermal heating and cooling system.
- 4 water wells and 5 hydrants.
- Built in 1996, Wet bar in basement, spacious bedrooms all with walk in closets.



Agent: Brad Elliott
316-772-2776

ANTIQUE AUCTION

SATURDAY, AUGUST 30 — 10:00 AM

Auction will be held in Kenwood Hall at the Saline Co.

Fairgrounds 900 Greeley in SALINA, KANSAS

FURNITURE

52" round oak table w/fancy legs w/ 8-18" leaves; oak 8' china hutch; oak fainting couch w/2 arm chairs & 4 side chairs; fancy walnut 3 piece bedroom set w/high back bed, dresser & commode; oak marble top buffet; cherry double hooded china cabinet; oak corner curved glass china cabinet; Eastlake burl walnut marble top sideboard; walnut love seat w/massive fish figures & claw feet; 2 oak hall seats; walnut umbrella stand w/red marble; burl walnut umbrella stand; 9' grandfather clock w/fancy water dispenser; cherry 60" S roll top desk; walnut game table w/carved bird legs; walnut oblong 3 leg sofa table w/carved heads; cherry curio cabinet; cherry music cabinet w/beveled mirror; rosewood carved couch; rosewood carved arm chair; oak grand-

father clock; set 8 oak twisted wicker seat chairs; oak leaded glass door buffet; teak fern pedestal; easel; pine bookcase.

INDIAN ITEMS, CLOCKS, LAMPS & COLLECTABLES

Indian items inc. (mannequin, many pots & bowls); oak double box telephone; coffee grinder; 27" "Industry" bronze type figurine; chalk 30" lady bust; 2' marble lady bust; "Newspaper Boy" figure; 4 Pendian blankets; quilts; quilt rack; lamps; double burner pink table lamp; hanging stain glass lamp; 10 clocks; Dads Cookie Co. jar; salt glaze 2 gal covered crock; 2-3 gal crock jugs; pictures inc.: (Russell print "Roping A Grizzly & Camp Cooks Trouble"); sheet music; pine child's rocking horse; several blue swirl granite pieces; Perfection heater; dolls; brass miners light; railroad light.

NO GLASS on this auction, will sell at a later date.

See last week's Grass & Grain for complete listings & Check website for pictures at www.thummelauction.com.

BOB & JEAN ROSE

Auction Conducted By:
THUMMEL REAL ESTATE & AUCTION LLC
785-738-0067 or 785-738-5933

Variables factor in when calculating crop yields

By Kim Larson, DEA, Crop Production, River Valley Extension District

Row crop conditions vary greatly across the district. Our wet June led to dry July and our perfect corn pollinating weather was of no avail when dryland corn started aborting these kernels the very next month. Now as we approach the end of August, some crops have received the necessary rain just in time while other fields were not as lucky. Although we attempt to control every yield-driving variable, weather is the one variable we can't – which always tests our reactive management decision making skills. One tool you can use when trying to determine potential yields, and thereby the management you will use for that field, is the following method to calculate yield in your field using a tape measure and a calculator. In this article, I will discuss a simple method to use to determine the approximate yields of your soybeans.

In contrast with corn, soybeans can easily compensate for abiotic or biotic stresses. The final number of pods is not determined with finality until close to the end of the season (R5 stage). In corn, the final kernel number is established during the two to three week period after flowering. Thus, when estimating soybean yield potential, we have to keep in mind that the estimate

could change depending on the growth stage at the time the estimate is made and weather conditions. For example, wet periods toward the end of the reproductive period can extend the seed-set period, promoting greater pod production and retention, with larger seed size and heavier seed weight.

As the crop approaches the end of the season the yield estimate will be more accurate. Still, you can start making soybean yield estimates as soon as end of full pod or beginning seed stages, knowing that the yield prediction is less precise at those early stages. From a physiological perspective, the main yield driving forces are: 1) plants per acre, 2) pods per area, 3) seeds per pod, and 4) seed size. Estimating final yield in soybean before harvest can be a very tedious task, but this simplified method can be used for just a basic yield estimate. Variability between plants relative to the final number of pods and seed size needs to be considered when trying to get an estimation of soybean yields. In addition, variability between areas within the same field needs also to be properly accounted for. It is important to properly recognize and identify the variation within the field, and then take enough samples from the different areas to fairly represent the entire field.

In the simplified approach, a constant row

length is utilized to represent 1/10,000th area of an acre. You must sample 21 inches of row length in a single row if the soybean plants are spaced in 30-inch rows; in two rows if the row spacing is 15 inches; and in four rows if the row spacing is 7.5 inches.

The total number of pods within this constant row length should be counted. After counting all the plants within the 21-inch row sections that represent 1/10,000th of an acre, a final pod number per acre can be estimated. A similar procedure should be used in different areas of the field to get a good overall estimate at the field scale. One good criterion is to only consider pod sizes that are larger than ¾ or one inch long. Smaller pods can be aborted from this time on in the growing season until harvest.

Soybean plants will have, on average, 2.5 seeds per pod (ranging from one to four seeds per pod), primarily regulated by the interaction between the environment and the genotypes. Under severe drought and heat stress, a pessimistic approach would be to consider an average of 1-1.5 seeds per pod. This value is just an approximation of the final number of seeds per pod, and can change from the time the estimate is made until the end of the growing season.

To account for seed size, a seed size conversion factor is used. If the conditions

are favorable and large seed size is expected, the conversion is 15 units; while if abiotic or biotic stresses are present during the seed-filling period, a seed size factor of 21 units is used.

EQUATION FOR A "FAVORABLE" SEASON:
number pods x number seeds per pod / 15 = bushels per acre

EQUATION FOR A "DROUGHT" SEASON:

number pods x number seeds per pod / 21 = bushels per acre

Using the simplified method I have discussed, you may be able to get a grasp on your potential yield performance of your soybean fields. You can then use this knowledge to prepare for harvest, determine if you want to take your field to grain harvest or use a failed crop for for-

age, or make other management decisions. Other references are available on estimating yields prior to harvest for soybeans, corn, and other crops- including apps for smart phone/computer sav-vy farmers. For more information on these resources or any other questions relating to crop production, do not hesitate to contact me or your local Extension office.

MORE INFORMATION: CONTACT US: 785-986-6310

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| 5 bar 11 ga 21"x4' tall | \$105.00 | 10' Bow Gate | \$199.00 |
| 6 bar 11 ga 21"x4' tall | \$119.00 | 4' Walk Through Gate | \$119.00 |
| 7 bar 11 ga 21"x4'9" tall | \$132.00 | 3' Alley Way Frames | \$60.00 |

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| Heavy Duty Double Bale Feeder | \$950.00 | 40 pc. Heavy Duty set w/Panel Trailer | |
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| 24' single axle | \$5250.00 | 16 pc. Standard Duty 50' Round Pen Set | |
| 32' Tandem axle | \$7150.00 | 14 Panels 1 Walkthrough Gate 1 Bow Gate | \$1499.00 |

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C.J. BIEHLER FAMILY AUCTION

SATURDAY, SEPTEMBER 6 — 10:30 AM

Location at Herington Community Building, South Broadway — **HERINGTON, KS**



10:30 AM
Small 1-row tiller; old-fashioned push mower; gas cans; lots of barn rope; pine and metal shelving; vise on stand; chain hoist; scroll saw on stand; ammo boxes; pine boxes; carpenter's tool trunk; flower and lamp stands; wooden folding chairs; straight back chairs; old wood table; drop leaf kitchen table with 2 chairs; library table; wardrobe; sewing table; Blind Stretcher Commercial sewing machine; coffee table; miscellaneous kitchenwares; bushel baskets; puzzles and checkers; home-made 3 bike wheels yard cart, planter; steel wheels; cow bell; Cl sprinklers; cream cans; round and double tubs; galvanized buckets, sprinklers; porcelain pots & buckets; granite canner and lots of canning jars; old lanterns and globes; horse hames; metal lawn chairs; refrigerator dishes; lots of tea towels and fancywork; buttons, spools, sewing machine drawers; several old pedal Cl sewing machines; exercise Ab Roller and Air Stepper.

PRIMITIVES & COLLECTIBLES
The Victor Wonder Washer wood tub on stand; brass blade fan; soap kettle; copper boiler; double eam corn sheller; apple peeler; 5 cherry stoners; pickle jars; cookie jars; ice tongs; Western hatchet and Western knives; U.P. RR spittoon; wood burning "Comfort" stove, complete; 2 Cl ornate beds; wicker chairs; miscellaneous crocks; signed Jim Daly pictures; 20+ pop case carriers and lots of pop bottles; wood carving set; Stanley #3 Bailey plane; Stanley #45 dado plane; 50+ Cl skillets, different sizes, mostly Griswold; possible Political Donkey and Elephant Frankoma pieces of different colors; more Frankoma pieces; milk glass juicer; pink Depression, jadeite, Haeger and McCoy pieces; child's Humpty Dumpty 3-piece pink Depression; Frankoma Christmas plates; cookie jars of Apple, Turtle, etc.; Watt dishes; crock bowl with wire handle; lots of buttons; lamp shades; flower plant stands; pine tables, lamp tables; hall trees; old round bottom chairs; chick feeders; Cl Horned Bull bank; date stampers; wood burning "Comfort" iron heating stove, complete.

AUCTIONEER'S NOTE: A LARGE collection of Great & Hard-To-Find Items! DO NOT MISS THIS AUCTION!

TERMS: Pay by Cash or Good Check. Statements made day of auction take precedence over printed material. Not responsible for accidents. LUNCH SERVED BY HERINGTON HOSPITAL AUXILIARY.

SELLERS: C.J. BIEHLER FAMILY

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AUCTION

SATURDAY, SEPTEMBER 13 — 10:00 AM

AUCTION HELD AT POTTORF HALL, CICO PARK (AVERY & KIMBALL AVENUE) — MANHATTAN, KANSAS

REAL ESTATE LOCATED AT 3118 HARAHEY RIDGE, MANHATTAN, KS (SELLS FROM POTTORF HALL, CICO PARK AT APPROXIMATELY 12:00 NOON)

Once in a life time opportunity to purchase a home in the prestigious Tatarax Hills area. This home features a very private location, fantastic foyer with elegant ascending stairway, impressive lighting and Oak flooring. The home showcases 4-5 bedrooms, 4 baths including the Master bath with whirlpool tub, double vanity, dressing area, surround lighting and mirrors and large spacious closets, Oak fireplace, bay windows, French doors, ceramic tile & Oak flooring are a few of the features of the formal living room, formal dining room, family room den, work-out room & walk-out basement. The eat-in kitchen features a large center stove top island, custom Walnut cabinetry, wet bar, Coron counter tops & a wrap around deck. The home has approximately 4946 sq. ft. a 3-car garage and various levels of decks. This is a must see home-words do not do it justice.

OPEN HOUSE Tuesday, September 2, 2014, 5-7PM or by private showing by contacting Vern Gannon Broker/ Auctioneer 785-770-0066 or Gannon Real Estate & Auctions 785-539-2316. View You tube tour and pictures on website.

Buyer to pay 10% down day of Auction with balance due on or before September 15, 2014. Buyer & Seller to divide Cost of Title Insurance equally. All inspections to be made prior to Auction at Buyer's expense if requested. **STATEMENTS MADE DAY OF AUCTION TAKES PRECEDENCE OVER ANY OTHER INFORMATION.**

Ranch Oak dining room suite with china hutch, dining table, chairs & leaves and portable bar/server; Ranch Oak twin bed; Ranch Oak dresser/bookshelf and desk/ bookcase; Ranch Oak game table & 4 Captain's chairs; Ranch Oak couch & end table; floral couch with Ranch Oak trim; Ranch Oak trimmed sofa; Ranch Oak chair & ottoman; Ranch Oak magazine rack/stand; Ranch Oak slate top octagon end table; Ranch Oak corner step table; Oak dining table & 4 chairs; Tempur pedic adjustable bed; King bed; chest-of-drawers; dresser; bed bench; sofa/couch; recliner; Wingback chair; roll top desk on legs; chair & ottoman; loveseat settee; dresser; unique Walnut hall table; large recliner; 2 occasional chairs; Queen bed; rocker; bookshelves; glass top & wrought iron stand; wood & iron stand table; oval glass top coffee table; wicker framed pier mirror, end table, trunk & bench; glass top & cast iron table; sofa table; computer desk; wine rack/stand; Samsung 42" flat screen TV & stand; Toshiba 40" flat screen TV; TV stand; DVD; fern stand; wicker chair; shelving; Iron man inversion table with infrared head; Gold's Gym 390R cycle bike; wicker type bench; floor & table lamps; area carpets & rugs; artificial plants & trees; Ridgid shop vac.

BRONZE STATUES: Will Rogers-CM Russell; Cheyenne-Remington; Vigil-Remington; Watcher of the Plains-CM Russell; Mountain Man-Remington; Outlaw-Remington; Buffalo Horse-Remington.

ARTWORK: Collected from around the World-there is a large selection of Originals by Gene Speck, Dave McNally, Allister & others; Quality prints by Robert Summers, G. Harvey, Bama, Phillip, Turner, Jonna White, William Crawley & others; oils, watercolors, carvings & more. **VERY NICE QUALITY COLLECTION!** Set of Wedgwood china; set of Fritz & Floyd gold trimmed china; gold flatware; Ruby Red glassware; Armittel; decorator china; brass décor; many baskets; Quality kitchenware; Keurig coffee machine & grinder; pots; pans; cookware; large vases; marble candleholders; Steiff toys; desk & table lamps; Household items of all type.

NOTE: Photos & You Tube at www.gannonauctions.com

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K-State's Freddie Lamm honored for work in subsurface drip irrigation for field crops

Kansas State University research irrigation engineer Freddie Lamm has been honored for his extensive research and education on subsurface drip irrigation for field crops by the American Society of Agricultural and Biological Engineers.

He was recognized with the 2014 Netafim Award for Advancements in Micro-irrigation at the ASABE annual meeting held recently in Montréal, Quebec.

Lamm is based at K-State's Northwest Research-Extension Center in Colby, where he specializes in water management for

grain and oilseed crops and in the design and management of irrigation systems.

"His research on subsurface drip irrigation has greatly influenced field productivity in the Midwest and other areas of the world," the ASABE said in its announcement.

More than 25 years ago Lamm began to lead efforts at K-State in broadening the adaptation and adoption of subsurface drip irrigation (SDI) technology for field crop production in the U.S. Great Plains and beyond. By the late 1960s, the Ogallala aquifer of western Kansas was declining; how-

ever, years would pass before development constraints were instituted toward improving irrigation efficiency and water productivity to sustain the Ogallala.

In 1989 Lamm proposed to investigate the adoption of drip technology, which had been shown to reduce water use and improve or maintain crop yield and quality. His investigations resulted in the establishment of the first research plots at the Northwest Research and Extension Center in Colby.

"This research exemplified his tremendous devel-

opmental efforts in designing experimental procedures and protocol to accomplish its threefold focus to enhance water conservation, protect water quality, and develop the appropriate SDI technologies for the region," the ASABE stated. "Lamm has been dedicated to providing SDI technology to irrigation producers and irrigation professionals."

He has created educational materials and presented information about SDI at county and state meetings to help producers make informed investments. He has attended and

given presentations at the annual three-state Central Plains Irrigation Conference and has been a co-principal investigator for multistate SDI field day programs and site tours, and been an active Irrigation Association participant.

Lamm has authored or co-authored more than 315 refereed journal articles, national and international conference proceeding papers, and technical and trade publications. His research and technology-transfer efforts have extended to international presentations and consul-

tations in Israel, South Africa, Spain, China, and Kazakhstan.

In his 35 years as a member of ASABE, he has been active in several committees, was proceedings chair of the Fifth International Microirrigation Congress, and served as chair of the Kansas section. He is currently associate editor for the Southwest division.

Lamm was named Irrigation Association Person of the Year in 2012, and earned other ASABE recognitions. He is a member of several other irrigation, soil science, and agronomy societies.

Building better biofuel: Collaborative research cultivates camelina as sustainable oil

A Kansas State University biochemist is improving biofuels with a promising crop: Camelina sativa. The research may help boost rural economies and provide farmers with a value-added product.

Timothy Durrett, assistant professor of biochemistry and molecular biophysics, is part of collaborative team that has received a four-year \$1.5 million joint U.S. Department of Agriculture and Department of Energy grant. The project, led by Colorado State University, was one of ten projects funded this year as part of the federal Plant Feedstocks Genomics for Bioenergy research program.

Durrett and collaborators are developing Camelina sativa as a biodiesel crop for the Great Plains. Camelina, a nonfood oilseed crop, can be a valuable biofuel crop because it can grow on poorer quality farmland and needs little irrigation and fertilizer. It also can be rotated with wheat, Durrett said.

"Camelina could give

farmers an extra biofuel crop that wouldn't be competing with food production," Durrett said. "This research can add value to the local agricultural economy by creating an additional crop that could fit in with the crop rotation."

The research will take advantage of the recently sequenced camelina genome. For the project, Durrett is improving camelina's oil properties and by altering the plant's biochemistry to make it capable of producing low-viscosity oil.

Developing low-viscosity oil is crucial to improving biofuels, Durrett said. Regular vegetable oil is too viscous for a diesel engine, so the engine either has to be modified or the vegetable oil has to be converted to biodiesel. Camelina could provide a drop-in fuel that could address this issue.

"By reducing the viscosity, we want to make a biofuel that can be used directly by a diesel engine without requiring any kind of chemical modification," Durrett said. "We would be able to

extract the oil directly and use it in a diesel engine right away."

Although low-viscosity oils are a valuable fuel source, they also are valuable for a variety of other industrial uses, such as plasticizers, biodegradable lubricants and food emulsifiers, Durrett said.

The research also could

create a value-added product for farmers. Modified oils have the potential to become more valuable than regular vegetable oil, Durrett said.

"It is important to reduce our dependence on fossil fuels, but the hope is that we also could help improve the rural economy by giving farmers a value-

added product that they can produce directly," Durrett said. "Rather than having a chemical company or a bio-fuel company take raw vegetable oil and modify it, the plant actually performs the chemistry and the farmers harvest that value-added product themselves."

John McCay, Colorado State University bioagricul-

tural sciences associate professor, is leading the collaborative project, "Biofuels In The Arid West: Germplasm Development For Sustainable Production Of Camelina Oilseed." The work also involves researchers from the University of Nebraska, Lincoln and the University of California, Davis.



Judge Gary Kubicek selected the entry shown by Georgia Hatesohl as the reserve champion lamb at the Riley County Fair.



The grand champion lamb at the Riley County Fair was shown by Ty Ruckert, pictured above with judge Gary Kubicek.



The champion cross and supreme champion ewe at the Riley County Fair was shown by Hailey Sharp, Leonardville Hustlers 4-H Club.

LABOR DAY AUCTION

MONDAY, SEPTEMBER 1 — 9:30 AM
10655 No. 167th West — BENTLEY, KANSAS

(1 mile west of Bentley, 1/2 mile south)

This auction contains a good line of woodworking and shop tools, also small acreage and garden equipment. Something for everyone! See you there!

HOUSEHOLD APPLIANCES, FURNITURE, OLD & COLLECTABLE

Kenmore side by side refrigerator w/ice & water; Maytag washer & gas dryer; Frigidare chest freezer; GE refrigerator; 110 v. AC units; love seat; end tables; coffee table; sofa table; dining table w/chairs & hutch; harvest table; 4 swivel bar stools; oak buffet w/beveled glass; dressing mirror; dresser w/mirror; oak dresser w/mirror; chest of drawers; spindle bed; vanity; large corner cabinet; wash stand w/pitcher & basin; metal bed frame; rockers; blanket rack; treadle sewing machine; kitchen misc.; kerosene lamps; Cape Cod glass; #2 crock jug w/dispenser; #6 crock; #10 crock; old bottles; mantle clock; punch bowl w/cups; china; Anchor Hocking; pink depression; carnival; jewelry; beer steins; Griswold cast iron; porcelain; kitchen scale; pipe rack & humidor; picnic basket; 911 Flag of Honor; double set washtubs; single washtubs; single & double trees; metal wheel dollie; corn sheller; buck saw; hedge knife; high pressure hand tire pump; Bell system kerosene can; old pulleys; Moundridge 5 gal. can; old pulleys; cistern pump; steel wheels; yard art; old Olympia beer posters; old aircraft instruments; & other items.

TRACTOR, EQUIPMENT, WOODWORKING & SHOP

1995 Kubota diesel L 2350 4wd tractor w/loader, 3pt, pto 630 hrs; Excel 251 48" mower; Coleman 5000 watt generator; 48" 3 pt tiller; Woods 3 pt chipper/shredder; 3 pt carryall; 16'x8' dual axle trailer; 8'x4.6' 2 wheel trailer; trailer ramps; 18" thickness plane; 14" Delta band saw; Delta oscillating spindle sander; 14" scroll saw; 16" scroll saw; Craftsman 10" table saw; Delta 10" contractors table saw; Craftsman 10" radial arm saw; Jet mortiser; shop dust collection system; large stationary belt sander; 36" Jet lathe; Craftsman 6" joiner; Delta 10" chop saw; portable sand blaster; many power tools; chainsaws; router table; drill press; many clamps; various types; hand tools; many woodworking tools; vises; large amount good quality wood; 72 Dr. cabinet; shop cabinets; organizers; saw sharpener; Foley sharpall; Puma air compressor; metal cutting band saw; roll away tool chests; 1/2" drill press; storage bins; approx. 120' pole scaffolding 8-10' tall; overhead hoist w/track; floor jacks; pipe wrenches; pipe threaders; cutters, benders; bolt cutters; shop fan; garden tools; garden panels; T posts; H inline welded fence units; yard cart; large Troybilt tiller; scrap iron; copper; 2 ricks firewood; much more.

NOTE: Cash or check with proper ID as payment. Not responsible for theft or accidents. Announcements made sale day take precedence over printed matter. Nothing removed until settled for. Check the website for pictures!

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BILLENWILLMS FARM AUCTION

MONDAY, SEPTEMBER 8 — 9:30 AM

Sale to be held at 2702 Hwy 128, Burr Oak, KS (5 miles North on Hwy 128) or 10 miles South of GUIDE ROCK, NEBRASKA

TRACTORS & LOADERS:

1997 JD 9100 4WD tractor; 1997 JD 8200 FWA tractor; 1997 Case IH 5240 FWA tractor w/IHC #510 quicktach loader; 1988 Ford TW15 FWA tractor w/Koyker K6 quick-tach loader; 1972 Ford 2000 gas tractor; (2) Ford 8N gas tractors; 2013 JD Greenstar 3 Guidance system.

COMBINE, HEADS & GRAIN EQUIP.:

2010 Case IH 2588 combine, AFS; Case IH #2162-30 Draper Flex header; 4 whl header trailer; IHC #1083 cornhead; JD 853 row crophead; Orthman mdl 608 grain cart; Brent Grain Train 650bu. gravity wagon; Westfield mdl MK100-71 swing hopper grain auger.

PLANTING, TILLAGE & EQUIP.:

Kinze mdl 3600 16R, 30" pull type planter; 2005 JD mdl 1890 air seeder w/JD #1910 6" joiner; Delta 10" chop saw; portable sand blaster; many power tools; chainsaws; router table; drill press; many clamps; various types; hand tools; many woodworking tools; vises; large amount good quality wood; 72 Dr. cabinet; shop cabinets; organizers; saw sharpener; Foley sharpall; Puma air compressor; metal cutting band saw; roll away tool chests; 1/2" drill press; storage bins; approx. 120' pole scaffolding 8-10' tall; overhead hoist w/track; floor jacks; pipe wrenches; pipe threaders; cutters, benders; bolt cutters; shop fan; garden tools; garden panels; T posts; H inline welded fence units; yard cart; large Troybilt tiller; scrap iron; copper; 2 ricks firewood; much more.

SEMI, TRUCKS, TRAILERS, PICKUPS:

1992 Freightliner FLD Semi-Tractor Cat 3408B Cat eng, 9 spd, sleeper; 1984 Peterbilt semi-tractor, Cat eng; 1989 Merritt 42' grain trailer; 1983 Tiptoe 42' grain trailer; 45' semi-trailer w/8" drop deck & hay sides; 40' steel cattle pot; 2001 Chevrolet 2500 Silverado, Xcab, Duramax dsl; 2001 Dodge Xcab 1500; 1973 Chevrolet C65 2T

truck, set up to pull GN trailers; 2012 PJ 24' GN trailer; 2011 PJ 32' GN tandem dual axle FB trailer; 8x20 plus 4' beavertail steel flatbed GN trailer; 2006 Circle D 24' GN stock trailer; Neck-over 32' 3 axle GN stock trailer; Travalong 7x15 GN stock trailer; Parker 275 bu. gravity flow on GN truck frame; Carry On 6x12 enclosed single axle trailer; Great Timber 6x12' utility trailer.

HAY & CATTLE EQUIP.:

1996 Hesston 8200 self-propelled 14' swather; 1997 JD #535 rd baler; 2007 Harvest Man mdl RT2H-14 whl hay rake; Landoll 6 bale, 32' hay retriever/stacker; Dual #600 manure spreader; Haybuster H-1000 hay tub grinder; Haybuster #256 bale processor; Oswalt #333 mixer-feeder wagon; Van-Dale 10' mixer-feed wagon; Grain-o-vator auger wagon; 20 Lambert 10' corral panels & cart; Lambert squeeze chute on whls; Big Valley calving pen.

• 2005 Case 75XT diesel skid loader & attachments; 2009 Rhino 700 side by side; 2010 Kawasaki 4010 side by side; Yamaha PS Grizzly 200; 2004 JD Z Trak.

• Winpower 30KW generator; 2004 Bend Pak 10,000# car hoist; Ranner 4 clamp tire machine.

• (7) 3,000 gal. storage tanks; 12x40 calving shed; 12x30 calving shed; 3 storage sheds, 24' to 45' long.

VERY PARTIAL LISTING. Check out websites listed below!
2 RINGS ALL DAY! Expect 5-7 trailer loads & several pallets of Tools, New Parts & Supplies!

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Visit www.frielingrealty.com or www.montgomeryauction.com for full listing & photos.

ANTIQUE AUCTION

SUNDAY, AUGUST 31 — 10:00 AM

Auction will be held in Kenwood Hall at the Saline Co. Fairgrounds 900 Greeley in SALINA, KANSAS

FURNITURE & COLLECTABLES

3 oak 1 door china cabinets; oak curved glass china cabinet; mahogany 3 section stack bookcase; small oak parlor table w/glass ball feet; spinning wheel; crocks; military pins & patches; cap guns; Warsaw NY lantern w/red globe; pictures; silhouette pictures; wicker doll buggy; dolls; license tags; Chain top; Elvis plates, records & dolls; Hull; Dryden small mug & cups; Fiesta; cookie jars; black lady chalk match holder; carnival glass; Fenton; 60's carnival

egg plate; pressed glass; cocktail set tray & 6 glasses gold trimmed; Pfaltzgraff dishes; Coors & Schlitz signs; JD lights, thermometer, lamps, cookie jar, salt & pepper, manuals; McCoy planters; Clocks; 50 comic books 10 cents; Fenton, Lefton & Westmoreland pieces; jewelry; Roy Rogers cup; GI Joe; Dick & Jane books; Golden books; Griswold skillets; celluloid dresser set; coffee grinder; black panther; purses; marble rolling pin; war ration books; Dagwood ash tray; quilt.

See last week's Grass & Grain for full listings & Check website for pictures at www.thummelauction.com

Auction Conducted By:
THUMMEL REAL ESTATE & AUCTION LLC
785-738-0067 or 785-738-5933



Auction Sales Scheduled

August 26 — Well kept 3 bedroom house in Wamego for Robert & Carol Fink. Auctioneers: Crossroads Real Estate & Auction, LLC.

August 27 — Tractors, combines, trucks, trailers, farm equipment of all kinds, lawn & garden & more online at (www.bigiron.com). Auctioneers: Stock Auction Co.

August 28 — Lyon County real estate at Emporia for Braum's Farm Auction. Auctioneers: Hayden Outdoors Farm, Ranch & Recreational Real Estate.

August 30 — Combines, corn & grain heads, grain handling, choppers, hay equip., mowers, livestock equip., loaders, construction, misc., planting equip., sprayers, tillage, tractors, trucks & trailers at Cornlea, Nebraska for consignments. Auctioneers: Michael Wegener Implement, Inc.

August 30 — Wine and brewery items, artwork, collectibles, camper, tools, furniture, household, miscellaneous, etc. in Lawrence for Dwight and Lillian Burnham Estate. Auctioneers: Elston Auction.

August 30 — Estate farm machinery NW of Baileyville for Bruce Hasenkamp Estate. Auctioneers: Cline Realty & Auction, LLC.

August 30 — 2 houses and personal property for (1) William O. Knight & Debra Knight and (2) Carl & Alice Eby. Auctioneers: Bob Kickhafer.

August 30 — Furniture, Indian items, clocks, lamps & collectibles at Salina for Bob & Jean Rose. Auctioneers: Thummel Real Estate & Auction, LLC.

August 30 — Farm equipment, tractors, combines, trucks at Sylvan Grove for Hlad Farms. Auctioneers: Omli & Associates, Inc.

August 31 — Furniture, clocks, figurines, crystal, glass, original artwork, dolls, collectibles at Manhattan for Mr. & Mrs. Harland Rieger. Auctioneers: Gannon Real Estate & Auctions.

August 31 — Furniture & collectibles at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

September 1 — Household appliances, furniture, old & collectible, tractor, equipment, woodworking, shop at Bentley for Jack Edgmon. Auctioneers: Auction Specialists, LLC.

September 1 — Furniture, primitives & collectibles at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

September 1 — Clay County CRP, cropland & recreational land near Clay Center for William & Joan Doherty. Auctioneers: Raymond Bott Realty & Auction.

September 1 — Harley Gerdes 19th annual Labor Day Consignment Auction at Lyndon.

September 1 — Luck of the Irish Toy Show at Chapman.

September 3 — Tractors, combines, trucks, trailers, farm equipment of all kinds, lawn & garden & more online at (www.bigiron.com). Auctioneers: Stock Auction Co.

September 4 — Antiques, IH 464 tractor w/loader, coins, tools, furniture, household & more at Salina. Auctioneers: Omli & Associates, Inc.

September 5 — Machinery auction at Clay Center. Auctioneers: Mugler Auction Service.

September 5 & 6 — Tools, shop items, vehicles, old & collectible, cast iron items, clocks, scales, glassware, dishes, guns, furniture, rugs, paintings, misc. near Hillsboro for Don Dahl Estate. Auctioneers: Leppke Realty & Auction.

September 6 — Tools, collectibles, salvage trucks & trailers, tractor, lots of salvage South of Eudora for property of the late Gary Grant. Auctioneers: Wischropp Auctions.

September 6 — Truck, trailers, propane cooker, office furniture, shop tools, and miscellaneous in Concordia for Propane Central. Auctioneers: Kenneth Johnson Auction & Real Estate.

September 6 — Antiques & collectibles, cast iron Griswold skillets & items at Herington for C.J. Biehler Family. Auctioneers: Bob Kickhafer.

September 6 — Beautiful remodeled home on approx. 2AC, Hoop Houses, vehicles, lawn tractor,

lawn equipment, bee equipment, appliances, furniture, artwork at Belvue for Rising Mist, LLC. Auctioneers: Gannon Real Estate & Auctions.

September 6 — Industrial equipment, tools, parts & inventory & much more at Salina for Salina Spring & Axle. Auctioneers: Wilson Realty & Auction Service.

September 6 — Motor home, welder, concrete equipment, tools, household & hog equipment South of Willard for Todd Raine Estate. Auctioneers: Raine Auction Service.

September 6 — Dickinson County land (acreage, native grass, pond, limestone home, outbuildings), farm equipment at Chapman. Auctioneers: Omli & Associates, Inc.

September 6 & 7 — Tools, antiques, collectibles & much more near Abilene for Mr. & Mrs. Marvin

Geist. Auctioneers: Reynolds Auction Service.

September 7 — Mowers, yard tools, tools, furniture, household, collector items, railroad, fishing & hunting at Lincolnville for Kenny Pigorsch. Auctioneers: Bob Kickhafer.

September 7 — Guns & antiques, signs, collectibles, car parts at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

September 8 — Tractors, loaders, combine, heads & grain equip., planting & tillage equip., semi trucks, trailers, pickups, hay & cattle equip. at Burr Oak for Steve Billenwillms & Sandy Billenwillms. Auctioneers: Montgomery Auction & Realty and Frieling Realty & Auction, Inc.

September 8 — Ness County land & personal property near Ness City for Snodgrass Heirs. Auc-

tioners: Farmland Auction & Realty Co., Inc.

September 10 — Tractors, combines, trucks, trailers, farm equipment of all kinds, lawn & garden & more online at (www.bigiron.com). Auctioneers: Stock Auction Co.

September 11 — Land in McPherson for Arlyn & Sue Nelson, trustees of the Nelson 1999 Living Trust. Auctioneers: Rick Griffin Auction.

September 11 — Saline County Farmland (80 ac) at Salina for Donald W. & Ruby A. Woodhouse Family Trust. Auctioneers: Reynolds Real Estate & Auction Co.

September 13 — Farm machinery at Vermillion for Bill & Audrey Broxterman. Auctioneers: Joe Horigan.

September 13 — Construction contractor's complete liquidation at Enterprise for Diamond D Ranch Contracting. Auc-

GUN & ANTIQUE AUCTION

SUNDAY, SEPTEMBER 7 — 10:00 AM

Auction will be held in Kenwood Hall at the Saline Co. Fairgrounds 900 Greeley in SALINA, KANSAS

GUNS

Guns sell at 10:00 a.m. The guns will not be available for viewing until Sunday morning at 8:00 a.m.

1. Remington rolling block 1879 rifle Argentino E.N. 43 Spanish; 2. Mauser Swedish model 1896 Husgvarna 1942 6.5x55; 3. Mauser Swedish model 1938 Carl Gustafs 1901 6.5 x 55; 4. Mauser Argentine 1909 Engineer's carbine 7.65 x 54; 5. Mauser Argentine 1891 Engineer's carbine 7.65 x 54; 6. Polish 1956 Wz-48 22 lr training rifle single shot; 7. Norinco 22 JW-8 training rifle 5 shot clip; 8. Marlin model 1893 32-40 26" barrel case colors; 9. Marlin model 1897 22 round top; 10. Stevens model 44 22 lr; 11. M1 Garand H & R Arms Co. 30-06; 12. Ruger mini 14 stainless 223 factory folding stock; 13. H & R model 923 pistol nickel 9 shot; 14. 100 rounds 7.65 x 54 ammo x4; 15. Double barrel 12 ga percussion shotgun; 16. British Sten MK II non gun purchased in Tokyo 1971; 17. Nambu type 14 8mm det 1929 Nagoya Arsenal; 18. Star CW double action; 19. Colt Lightning 22 rifle 24" barrel; 20. Colt rep 1851 Navy 36 cal; 21. Percussion 1/2 stock 43" barrel 45 cal.; 22. Percussion over & under double barrel rifle 54 cal 29" barrel w/silver inlay; 23. BSA Martine 22 target rifle; 24. IJ double action model 1900 22 cal.; 25. W.Greener Martine 14 ga; 26. Winchester model 63 made 1948 22 lr; 27. Swedish 1999 Mauser model 38 6.5 x 55; 28. Swedish Mauser model 96 6.5x55; 29. Martine long lever 577x450; 30. Martine Ciladal 303; 31. Martine BSA 32 Win spl. (310 cal); 32. 1898 Krag 30-40; 33. 1899 Krag carbine 30-40; 34. Mauser VZ24 8mm; 35. Mauser 1909 Argentine Cavalry carbine 7.65x53; 36. Browning A5 12 ga; 37. Argentine rolling block model 1879 E.N. 43 cal; 38. Sile Sharps 45-70; 39. 1874 Sharps; 40. Enfield MKIII cal 303; 41. Enfield Jungle carbine #5 MKI; 42. Enfield Smile #4 MKI 303 US Property marked 22 trainer; 43. IMC 1978; 44. Harpers Ferry 1834 Forager percussion; 45. Springfield model 1878 45-70; 46. Berzilian Mouse 1898; 47. Colt Civil War Centennial model 22 short w/case & holster; box for Winchester 94 Theodore Roosevelt commemorative gun; box for Winchester Model 94 Golden Spike commemorative gun; reloading tools inc.: (Ideal no 4 32-20, 3855M, no 3 32-40M; Winchester 40-60M.

SIGNS, COLLECTABLES & CAR PARTS

Signs inc.: (neon Gleaner Baldwin Combines; neon 3'Mobil horse; Baldwin com-

bine A lighted; 8' Allis Chalmers; Allis Tractor Parts; porcelain Jewelry Watch Repair; Railway Express Agency; All Star Dairy; JD porcelain; Pepsi; MF Hose Clamp; 1916 Maxwell paper sign; paper Bull Durham Tobacco "Without A Match"; Schrader tire gauge cabinet; RR town signs (Sylvan Grove, Hunter, Santana Kansas, Lorain); Ash Grove cement; Sylvan Grove DeLaval S M Lawson Hardware & Implement; Waconda Springs arrow; Chard Motor; Firestone; Imperial Clothes; Dekalb; small Wheat Growers; repo Ebbert wagon sign; sign hangers; 4" J I Case eagle for radiator; 2 Skelly Supreme globe inserts; Sinclair HC gas globe; white glass gas globe; Pulver gum machine w/police & criminal; Pulver Kola-Pepsin Gum w/man; 2 hotel register boards; cast iron John Deere wall pocket; Alemite Grease Gun display; Victor wall cabinet; GP wall cabinet; Derby Case oil sample case; cigar tippers inc. (Manuel, Topic, LA Confession, several other); Old Judson J C Stevens wall match holder; Vargas girl calendars; Carter Carburetor calendar pictures; Royal Crown thermometer; mini anvil; Pine octagon screw cabinet; Eureka house showcase w/curved glass 21" x 34"; 2 Singer leather sewing machines; slant front 30" show case; 2-pine 2 door wardrobes; 21 drawer bean counter; 49 drawer pine cabinet; sow belly kitchen cabinet top; Sure Hatch Clay Center Neb. wooden incubator; tin incubator; wooden wheel barrow; Santa Fe bulletin board; waiting room wood sign; railroad oil cans; 10 tobacco cutters; cast iron waffle irons; Lionel 027 train; other train pieces; Drink Klee & Colemans & Soda Jersey Cream tray's; Western Star Mill flour scoop; Concordia Ice & Cold Storage ice tong; 1907 Fitzsimons & Casper calendar; 2 glass beater jars; chain pictures from Formoso & Topeka Kansas; Allis Chalmers glass picture; Miller Motor Beloit visor mirror; oil cans mfg at Ash Grove Kansas; Repeater tobacco tin; Three Catties Cigarette tin; buggy tags; trade tokens; Beloit Flower mill paper weight; 1927 Case car gas caps; **Toys inc.:** 1920's 24" White gas truck, 24" Kingsberry fire truck, 24" steam engine truck, 20" cast iron American Oil truck; hill climber car, hill climber train; tin Dick Tracy car; tin Jump In Jeep; Joy R lder jeep; cast iron Crash Car motorcycle; tin 15" airplane; Arcade threshing machine; Arcade McCormick tractor; cast iron camel bank damaged; cast iron Baseball player; Sylvan State Bank book bank; windup carousel, erector set,

50's crane; Ray gun; cast iron safe bank; cast iron Blimp bank; child's Eagle stove; mechanical milk cow bank; Lincoln logs; Speedway marble game; assortment of other toys; parts for pedal crawler; Franklin Mint cars; tire ash trays; cast iron mixers; cast iron padlocks; Buck A Rou fire cracker label; Wah Jack stove top; **Crocks inc.:** (The Peterson Company blue band beat jar; 2 gal Diamond Ice Water, butter crocks; Red Wing Butter Milk feeder; salt glaze Pat24-82 jug; blue pitcher; other); cast iron ink well; Thomas Weaver prints from KC stockyards; SSS For The Blood pot; Lalique pieces; glass candy containers (telephone, turkey, cars, tank, other); paper weights; copy of letter from President Lincoln to Mrs. Bixby; 2 brass grain scale & buckets; tins inc.: Standard Oil Grease, Polarine, Nourse Oil, Standard Thresher Hard Oil, Pennfield Grease, Kingbee Motor Oil, Sunlight, other; **Car parts inc.:** 1948 Lincoln parts, Lincoln rims, 32 Packard parts; Trippy light; brass car side lights; Model T fender; hub caps; car trunk; hood ornaments; coil boxes; tire covers; horns; collection of other car parts; car tag toppers inc.: Chevrolet Broberg & Troup Hunter, Chrysler Conrad Motor Osborne Plymouth; Sylvan Grove; Glen Elder; Kansas car tags 1913-1960's; brass tire pump's; Wagner Brake Repair kit; brass whistle; Stanley 55 planes; several factory showroom books form 50's Lincoln cars; car advertising posters; large assortment of car & tractor manuals & books; 1920-1940 Motor Magazines; set truck flares; spice tins; wood folding chairs; fur coat; records; Salina North Western railroad wrench; 40 **cast iron implement seats inc.:** (Percival, Furst & Bradley, Indiana, Bonanza, Hapgood, Victor, Pierce, John Wallace, many unmarked); spoke shave; leather cutter; several wood planes; ammo boxes; cast iron pots; wagon wheel marker; dog nut cracker; lighting rod balls; wood pulleys; wooden beer boxes; cast iron tool boxes; lard press; 2 cast iron bridge signs; 1940 Popular Mechanics; 1950's catalogues; bottles; brass mortar & pestle; buggy steps; coal buckets; cistern & cups; store scale; double Crescent wrenches; assortment of collectable wrenches; store scale; fence stretcher; harness; scythes; assortment well wheels; post rock drill; 1 man saws; nail kegs; porcelain stove top; branding iron; wooden barrel; myrtle wood; large assortment of other collectables.

Note: This is a very large private estate collection. There are many primitives, car parts and iron. Check our web site for pictures at www.thummelauction.com.

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tioners: Chamberlin Auction Service.

September 13 — Antiques, collectibles at Seneca for Rosann Huninghake. Auctioneers: Olmsted's & Sandstrom.

September 13 — Auction 10 a.m. at the Armory in Concordia. Large auction: furniture, antiques and miscellaneous for Florence Giersch and Austin Huscher Estate. Auctioneers: Larry Lagasse Auction & Real Estate.

September 13 — Riding lawn mowers, power and hand shop tools, antique furniture, glassware, household and collectibles in Council Grove for Frank Childers and Bill Whittredge. Auctioneers: Macy Realty & Auction.

September 13 — Real estate (home w/private location), furniture, household, bronze statues, artwork at Manhattan for Lynne A. Stitz Estate, S.A. Stitz Trust. Auctioneers: Gannon Real Estate & Auctions.

September 13 — Washington County farmland, pickup, household items at Greenleaf for Mar-

garet Carlson. Auctioneers: Raymond Bott Realty & Auction.

September 13 — Pedals, farm toys, NASCAR Racers at Hiawatha for Two Private Collections from Iowa & Kansas. Auctioneers: Hartter Auction Service.

September 13 — Tractors, machinery, farm related items, household & misc. West of Leonardville for Don Trumpp. Auctioneers: Kretz & Bloom Auction Service.

September 13 — Farm equipment, machinery, old cars, tools & misc. at Minneapolis for Max & Susan Adkins with Jack Bremerman. Auctioneers: Wilson Realty & Auction Service.

September 13 — Tractors, farm equipment, antiques, collectibles, guns & ammo at Industry for Mr. & Mrs. Charles Shrader. Auctioneers: Reynolds Auction Service.

September 13 — Tractors, combine, swather, trucks, pickups, trailers, machinery, cattle equipment, tools & collectibles at Tipton for Hoffman Farms, LLC, Linda &

Kenley Hoffman. Auctioneers: Thummel Real Estate & Auction, LLC.

September 14 — Glass, jewelry, antiques, furniture, seasonal decor & much more at Osage City for Ione Monroe. Auctioneers: Wischropp Auctions.

September 14 — Nice furniture, glassware, antiques, rugs, collectibles, Beanie Babies, etc. at Osage City for Ione Monroe. Auctioneers: Wischropp Auctions.

September 15 — Real estate (pasture & cropland) at Scandia for Heirs of Richard & Irena Fogelberg. Auctioneers: Larry Lagasse Auction & Real Estate.

September 16 — Cloud County cropland at Clyde for Heirs of the Lucille Detrixhe Estate. Auctioneers: Kenneth Johnson Auction & Real Estate.

September 18 — Pickups, pool table, lawn mowers, snow blower, household goods & misc. at Beatrice, Nebraska for Wayne Gierhart. Auctioneers: Jurgens-Henrichs-Hardin.

September 18 — Saline &

McPherson County land (in 4 tracts) at Salina. Auctioneers: Omli & Associates, Inc.

September 19 — Multi-parcel land auction (cropland & creek bottom) at Troy for Jennifer Teall. Auctioneers: Farm & Ranch Realty, Inc.

September 20 — Automotive, cars, antiques & collectibles, dolls, household at Marysville for C&C Auction, Jim & Lois Cohorst. Auctioneers: Olmsted Auction.

September 20 — Large farm household, 5 bedroom sets, tools, antiques, primitives, collectibles at Hope for Mrs. Bob (Maxine) Rock. Auctioneers: Bob Kickhafer.

September 20 — Real estate (home & acreage), tractors, equipment, pickups, trailers, wagons, guns, coins, toy collectibles, household, antiques, lawn & garden, shop equip., tools near Sedalia, Missouri for children of Leonard Howery. Auctioneers: Drenon Auction.

September 26-27 — Kansas Barn Alliance BarnFest Conference/Tour, Dickinson County.

October 3 — House moving equipment, boom trucks & pickups, I-beams, H-beams, tons of salvage iron, house jacks & cribbing at White City for Junior Hultgren Estate. Auctioneers: Reynolds Auction Service.

October 4 — Consignment sale at Salina. Auctioneers: Wilson Realty & Auction Service.

October 5 — Antiques & collectibles at Clay Center for an Estate. Auctioneers: Mugler Auction Service.

October 11 — Guns, outdoor equipment, tools, mower, ATV, pickup, snowplow, household & collectibles at Linn for James Donatelli. Auctioneers: Midwest Land & Home, Mark Uhlik.

October 11 — Washington County land at Linn for James Donatelli. Auctioneers: Midwest Land & Home, Mark Uhlik.

October 14 — Tractor, mule, truck, bush hog, and household in Emporia. Auctioneers: Swift-N-Sure Auctions.

October 16 — Commercial property (acreage, restaurant, building, indoor pool, commercial

pad) at Abilene. Auctioneers: Reynolds Real Estate & Auction Co.

October 18 & 19 — Antique tractors & equipment, collectible farm items, antiques & household at White City for Junior Hultgren Estate. Auctioneers: Reynolds Auction Service.

October 29 — Fink Beef Genetics Annual Angus & Charolais Bull Sale at Randolph.

November 1 — Harley Gerdes Consignment Auction at Lyndon.

November 6 — Dickinson County Farmland at Herington for Donald & Virginia Hamilton Trust. Auctioneers: Riordan Auction and Realty.

November 8 — Moser Ranch 23rd bull sale at the ranch. 110 SimAngus, Simmental and Angus bulls.

November 21 — Farm machinery auction at Clay Center. Auctioneers: Mugler Auction Service.

January 1, 2015 — Harley Gerdes 30th annual New Years Day Consignment Auction at Lyndon.

March 5 — Bull sale at Courtland for Jensen Brothers.

Fire a threat in high-moisture hay

By Jeri Sigle

Crop Production Agent
Wildcat Extension District

The smell of freshly mowed hay, bees buzzing all around and the feel of a gentle south breeze blowing across your face, it is hard to believe that anyone would hate haying season. Putting up hay is one of the many summer tasks aligned with supplying livestock through the winter months. As most producers are aware, putting up hay is not always as marvelous as the storybooks might convey. Too much rain, too little rain or equipment problems are the most commonly identified haying troubles, but one that is not too often thought of is hay fires.

Once the hay is off the meadow and neatly stacked and put away, many producers neglect to examine the hay until the following winter when it is necessary to feed it. If the hay was put up wet, this may not be the best route to proper hay management. The most common

cause of hay fires is excessive moisture. Typically, these fires will occur within six weeks after baling, so this time period is the most crucial to hay monitoring.

Heat caused by plant cell respiration is normal and usually of little concern. Microbial action occurs because freshly cut forage is not dead. Respiration continues in the plant cell after cutting, releasing a small amount of heat in the bale, unless the forage material contains less than 15% moisture. The elevation in bale temperature is sometimes referred to as "sweating" or "going through a heat." If hay is baled at the proper moisture, plant cell respiration will slow and eventually stop on its own.

Hay fires become a threat when the forage is put up with moisture levels greater than 20%. When the internal bale temperature does not cool down on its own, it creates an environment suitable for warm temperature

bacteria called mesophilic. This bacteria releases heat within the bale and causes the internal temperature to increase to 130-140 degrees F. This rise in temperature creates a breeding ground for thermophilic bacteria, which are heat-lovers. The thermophilic organisms multiply and produce heat that can raise the interior bale temperature to 170 degrees F. At these temperatures, spontaneous combustion can occur. The basic rule of thumb is the higher the moisture content, the longer the bale will remain at a higher temperature, thus allowing for more heat producing bacterial growth.

The best, and most obvious, way to prevent hay fires is to bale at the right moisture content. This may not always be achievable, so hay that is baled at a high moisture content should be checked twice a day for six weeks after baling. If the temperature has reached 150 degrees F, it is likely to continue to

increase. Bales should be moved to create more air circulation and cooling. If the hay has already progressed to more than 170 degrees F, symptoms of hot hay or an internal hay fire include a slight caramel or strong burning odor, visible vapor or smoke, a strong musty smell, and/or hay that feels hot to the touch. If you do suspect an internal hay fire, do not move the hay or you could expose smoldering or overheated hay to oxygen and essentially fan the flame. The best route is to call the fire department immediately.

Remember that prevention is the easiest and cheapest method to control and prevent hay fires. If a potential fire risk is present, use your best judgment and stay safe. If you have questions or would like more information, please call me at the office (620) 331-2690, e-mail me at jlsigle@ksu.edu, or visit the Wildcat Extension District website at www.wildcatdistrict.ksu.edu.

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ON THE EDGE OF COMMON SENSE

Sometimes You Ask Yourself, Why?

Jeff needed a workin' pen for his little herd of cows. He decided all he needed was some panels and a head gate. He rounded up some 16' panels of continuous fence, a metal head gate and two 8' posts.

Part of his intention was to involve his family with the cow project. Let them get a sense of what it takes to raise and manage cows. To teach them by example about the work ethic and Christian behavior. Jeff was qualified; he was a dealer for one of those companies that sell cattle handling equipment. Of course, he decided he could cut costs and labor because he knew the shortcuts. He only had twenty cows, so a second-hand head catch would work. Some of the panels were damaged at the store, he could use them. On roundup day he was ready.

With his three kids, the oldest nine, and the wife, they made the cattle drive and herded them into the corral. He had patched together a short alley parallel to the fence that directed the cows to the head gate. Jeff had driven two eight-foot wooden posts into the soil with his tractor. The head gate was wired to the front of the posts, and the ends of the foot-long horizontal connecting rods were wired to the inside of the posts.

The first cow into the alley was the out-of-control renegade cross-bred that stands back in the corner and glares at you! Jeff had not thought a "sweep" was necessary, in his dreams he thought they could just put a bar behind the cows as they came down the alley. This meant directing his

children to scare the cows and push them up. They were screaming, banging pots and pans, plastic whips and an empty dog food bag!

Jeff was trying to get the bar behind the cow, then race up to the head gate to catch her, then back to push, then back to catch her...the cow banged into the head gate head-first! It was closed. Jeff ran forward to open the gate. The cow backed up. Jeff closed the gate and ran back to push her up. She beat him to the head gate again...banging it over and over! Each crash bent the posts farther and farther forward till they were at an angle!

This managed to create a triangular space between the posts and the panels on both sides. The cow wedged her head into the space, enlarging it bigger and bigger making room for one foot, then the other. Jeff, wearing his chaps and spurs and wielding a chunk of black plastic pipe was valiantly trying to contain the beast. Alas, the aforementioned cow created her own side exit and bent the 16' panel of continuous fence to a screeching 90 degrees, allowing her to make her escape.

The family watched in awe. Jeff was mad, he mumbled something and the kids froze! The middle child said, "Dad...?"

Jeff looked at his family and the concerned expressions on their collective faces. He took a breath and sighed. He waited for them to say, "...Are you all right?...the cow's running away!...your shirt is torn!..."

He waited. "Dad," said the kid, "You said the "S" word!"

USDA seeks input on revisions to beef grading standards

The U.S. Department of Agriculture's (USDA) Agricultural Marketing Service (AMS) is seeking public input on possible revisions to the U.S. Standards for Grades of Carcass Beef to adjust for recent improvements and trends in animal raising and feeding. AMS is also seeking input on a review of beef instrument grading.

The principal official USDA quality grades for young cattle and carcasses are Prime, Choice, Select, and Standard. Significant changes (such as grass fed versus grain fed feeding regimens, instrument grading, management and export requirements) have taken place in the beef industry since the current grade standards were adopted in 1997. AMS is seeking input from cattle producers, food processors, the public and other sources before revising the grades to better reflect the characteristics of meat that is available for Americans to purchase.

Yield grade, an important tool for determining value of both live cattle and beef carcasses, but the beef yield grade standard and equation was developed 50 years ago. Changes that have affected the quality of beef have similarly affected carcass yield, and AMS is seeking input for improving the yield grade equation.

AMS is also requesting comments on a review of the USDA program for beef instrument-grading that was conducted by the American Meat Science Association in response to a report issued by USDA's Office of Inspector General. The beef grading instrument uses elements of the U.S. Standards for Grades of Carcass Beef.

Comments on revising the Standards for Grades of Carcass Beef and on the beef instrument grading review are due no later than Nov. 13, 2014. Find more information, as well as details for submitting comments, at <http://tinyurl.com/beef-grading-standards>.



Kansas State University's head men's basketball coach Bruce Weber addressed the Kansas Agribusiness Retailers Association annual meeting on August 19 in Manhattan, recounting his career and the journey that led him to KSU, as well as the philosophies he thinks have contributed to his success. He believes in giving people goals and dreams. "Every day you have to ask, 'Where am I going?'" he said. He also believes in creating an atmosphere of shared ownership, surrounding yourself with quality people and creating a family atmosphere. "Life is so short," he said. "Enjoy your life and have a positive energy." Photo by Donna Sullivan

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URA/MRCA

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For everyone wearing a pink shirt on Sat. Only,
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Auxiliary Angel Fund for Cancer Patients.

Sun. Aug. 31, 7:00pm

Entries: Mon. Aug. 25, 1- 6pm 816-331-1792

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