GRASS&GRAIN

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Know your 'why' and accomplish the mission, charges Barringer at 15th Upson Lecture

Editor

"Why Do Agriculturists Stand for the National Anthem?" was the topic of the 15th installment of the Upson Lecture Series, hosted by Food For Thought, a Kansas State University organization that is dedicated to bridging the gap between agriculture producers and

Presenting the lecture was Dr. Leon S. (Sam) Barringer, a large animal veterinary consultant and commander of the 932nd Medical Group.

"This title is not an i indictment of what's happening across our country," Barringer emphasized. "As a military person, it might surprise you that I'm not offended when someone doesn't want to stand for the National Anthem. I've take a sworn oath to protect and defend the Constitution of the United States.'

Pointing out that freedom of speech was the first amendment to the Constitution, Barringer defends people's right to choose whether or not to stand for the anthem. "When folks choose not to stand for the National Anthem, I choose not to be offended," he said. "This is not about creating divisiveness. It's about celebrating our culture and the way we do things. We have enough folks in this country trying to divide us. That's not what people in agriculture are all about. We are the backbone of this country and when we work, the nation works."

For the students in the room, many of them veterinary students, understanding why they are going into their chosen field is critical to their success, Barringer believes. "For those of you thinking about food animal medicine, your "why" is way bigger than 'I like to palpate cows." he explained. "You'll get sick of then a lot of things start that in about two months, maybe less."

The bigger picture is one of a stable food supply as the basis for national security. Destabilizing a country's food supply in turn destabilizes the society. "If you doubt that, think about what you would do for your parents, your children or yourself if you could not get food. What would you be willing to do? Would you resort to criminality?" he queried.

As an example, he showed a photograph taken in 2003 in Kuwait of a group

of veterinarians from across Afghanistan and Iraq that were assembled to help the war-torn countries rebuild their college veterinary programs. "Within two years of this photo being taken, there were only one of those veterinarians that were not targeted and killed," he said. "Why did they target food animal vets in Iraq and Afghanistan? They did it to endanger the food supply."

Barringer referred to a portion of the veterinary creed that speaks of using veterinary skills for the benefit of society. "Who pays attention to public health in this country? It's veterinary medicine, it's animal health and animal agriculture," he emphasized. "It's hypercritical to our mission and its in our oath. When you have that focus of why you're doing what you're doing,



Dr. Sam Barringer described the mission of protecting the nation's food supply at the 15th Upson Lecture, held November 6 in Manhattan.



Food For Thought members Milea Anderson and Kyler Langvardt presented Barringer with a plaque in appreciation of his participation in the Upson Lecture Photos by Donna Sullivan

making sense." He spoke of the parallel between agriculture and the military and how such a small percentage of the population in each of them serve and protect the American people. While during WWII, the percentage of the population serving in the military was in the high 40s, it is now around 4%. Only about 3% of the population is involved in production agriculture, while 50 million Americans are on some sort of food assistance. "How efficient are we at what we do?" he asked. "We're so efficient today that if you go around the world and look at how inefficient they are, how many countries do you think are discussing natural and organic food production modalities? Not very many, they're just happy to

eat." Barringer believes we should embrace the choices our efficiencies have allowed consumers to have and not be derisive towards them. However, that would change if inefficient production methods began to diminish the food supply. "I'll be the first guy that if we turn the corner and people start getting hungry again because the efficien-

cy model is gone, I'll be

the first guy to say those

inefficient models need to

go away. Because hunger

trumps civility." Barringer also discussed the character traits exhibited by people raised in rural and agricultural settings, and how the vast majority of special forces operatives come from such a background. While many could qualify to enter Navy SEAL training, it's their attitude towards the possibility of quitting that weeds them out. "People raised in an agriculture setting never consider quitting or giving up," he said. "It's inculcated into us at a very young age quitting is never an option. In animal agriculture if we look out there and we've got four feet of snow and a bunch of sick animals that are suffering, what do we do? We stand up, we bow up and we drive into it. At

trumps everything. Hunger no point in that system to do we even think about taking a knee. It's bent in us that quitting is not an option and that's now they get through that training.'

That dedication to the mission is what is crucial to protecting the nation's food supply, Barringer stressed. "We can't afford to take a knee on food security. You have to do the best you can possibly do every single day.'

He challenged the students to deeply consider and commit to their 'why.'

"You've got to have a passion for this mission," he charged. "I need you guys to come out of here with a degree of excellence, having your 'why' understood, so that my grandson doesn't ever have to fight for his food."

Bringing in the bounty



According to National Ag Statistics Service, 88 percent of corn has been harvested, soybeans are at 85 percent and sorghum is at 63 percent. 17 percent of the cotton has been harvested and 55 percent of the sunflowers. Above, Charles Dugan, Leonardville, makes a transfer from the grain cart to the truck. Photo by Kevin Macy

Delivery of last week's issue of Grass & Grain unavoidably delayed

Unanticipated issues in transferring the Grass and Grain mailing permit from the Manhattan post office to the Kansas City, Mo. post office caused a delivery delay of last week's issue.

"The timing could not have been worse from our standpoint because we do not want to give the impression this is the new normal," said publisher Tom Carlin. "Our staff has been working diligently with our print and post office partners in Kansas City to assure this will not happen again."

Understanding that our loyal readers enjoy Grass and Grain and anticipate its arrival, we are extending the subscription of all readers by one week to make amends for any inconvenience.

We appreciate your understanding and hope you enjoy the new look of the paper.

Two decades devoted to 4-H shooting sports earns **Bartholomew Friend of Extension recognition**



Ray Bartholomew, who has volunteered for the Kansas 4-H and Youth Development's shooting sports program for the past 20 years, has been named a Friend of Extension by the national chapter of Epsilon Sigma Phi.

Bartholomew has served as the state volunteer coordinator for Kansas 4-H Shooting Sports for the past ten years. On average, he spends about 20 hours per week helping to recruit and train other volunteers to become certified shooting sports coordinators in the

In 2015, Bartholomew logged more than 1,040 volunteer hours with Kansas 4-H, an equivalent value of \$22,505.60 to the youth development program.

Kansas 4-H reports that there are approximately 3,516 youth who participated in shooting sports in the past year, the third highest enrollment among the organization's three dozen statewide programs.

Receiving the Friend of Extension award "is gratifying, it's also humbling," Bartholomew said. "I look at Extension as being a family. Since I'm not a paid employee, I look at it like I'm an adopted child of Extension. I very much appreciate this honor."

Sigma Epsilon Phi is an association of county Extension agents and specialists. Each year, Kansas honors one or more individuals for the work they have done on behalf of Extension.

"Ray is very deserving," said Pam Van Horn. an Extension specialist for Kansas 4-H and Youth Development. "The shooting sports program would not be where it is at today without his dedication to training others."

Van Horn notes that Bartholomew's leadership is key to the nearly 525 certified adult volunteers who have been trained to teach shooting sports in Kansas. They represent 70 Extension units in the state, and have contributed more than

49,000 hours toward the sport, according to figures from the state 4-H office.

That volunteer time is equivalent to approximately \$1.06 million in service to youth and the state of Kansas, Van Horn said.

"For me, it's a passion," said Bartholomew, who credits his own time in 4-H for teaching him leadership and commitment to service "I get to do something I enjoy doing and pass or those opportunities to work with firearms, work with archery equipment, and to do it safely."

Bartholomew is state certified in six disciplines (archery, coordinator, hunting skills, pistol, rifle and western heritage/cowboy action), and nationally certified in archery and as a program coordinator.

"We are trying to teach kids how to do something appropriately with equipment that in our culture isn't always used appropriately," Bartholomew said "We want to get to them early, particularly in 4-H so that they understand that we don't point the gun a people and we don't poin at images of people. We teach them how to use this equipment in an appropriate manner, shooting paper targets, and in some cases where they want to go ou and hunt, being able to do that responsibly."

He adds: "The rewards are seeing those kids, seeing those adults doing something that I have a passion for. Since I have a passion for it, it allows me to do something where it's not my paid job, I get to do what I like to do, and Extension provides the platform for the opportunity."

Van Horn noted that the Kansas shooting sports program has increased its enrollment by 3 to 4 percent over the past five years.

Bartholomew is a farm loan manager for the U.S Department of Agriculture's Farm Service Agency in Hutchinson. He recently served on the Kansas Extension Advisory Council and also serves on the Reno County Extension Board as treasurer, and is a member of the 4-H Program Development Committee.

Van Horn said he is active in helping educate 4-H volunteers about the greater mission of K-State Research and Extension.

"Kansas 4-H is honored to have him serve in its ranks," she said.

It's About Safety

By John Schlageck, Kansas Farm Bureau

While a farm or ranch can be the most wonderful place in the world to raise a family, it comes with its own special set of hazards that don't exist anywhere else.

In 2015, 401 farmers and farm workers died from a work-related injury, resulting in a fatality rate of 19.2 deaths per 100,000 workers. Transportation incidents. which include tractor overturns, were the leading cause of death for these farmers and farm workers. On average, 113 youth

less than 20 years of age die annually from farm-related injuries in the United States. Most of these deaths occurring to youth 16-19 years of age. Of the leading sources

of fatal injuries to youth, 23 percent involved machinery (including tractors), 19 percent involved motor vehicles (includwere drowned. Slowing this trend is

a never-ending challenge. It is also an opportunity every day. Children and families

ing ATVs) and 16 percent

play, live and work on the farm. There's no getting away from the machinery. This same machinery is always there and it doesn't have a heart. Farm machinery is made to cut, chop and

grind and it won't distinguish between crop tissue and human flesh. That's why producers must use their heads, practice safety and stay out of harm's When it comes to the

education process of farm safety, seek out programs offered by farm organizations like Kansas Farm Bureau. groups may offer safety instruction as well.

Men, women and children should attend such learning sessions whenever such opportunities exist. This should be a priority for all who operate tractors, combines, balers, augers and other machinery. Kansas Farm Bureau's

safety education arsenal is filled with a series of displays that are graphic and show amputations caused by various types of farm machine. The idea behind such

safety demonstrations is to offer safety awareness before a farmer or rancher needs it.

Everyone becomes a

New study shows grain exports offered \$55.5 billion in economic output in 2015 Exports of U.S. feed were halted, the analysis ports of corn, barley, sor-

grains and related products provide critical support across the U.S. economy, offering billions in economic direct and indirect economic benefits to farmers, rural communities and the nation as a whole.

New research commissioned by the U.S. Grains Council (USGC) and the National Corn Growers Association (NCGA) quantified these benefits, showing that U.S. feed grain and grain products exports were worth \$18.9 billion in 2015 and supported \$55.5 billion in economic output. These exports were linked directly or indirectly to nearly 262,000

Furthermore, if exports

We are moved into the new place and

well settled in. Okay, the humans, dogs

and horses are moved in and settled but

the sheep are still spread out among our

other three sets of pens and that is where

the cows ultimately must go. That means

I must get busy constructing sheep pens

at the new place and it must happen

rapidly. If you have followed me for very

long you know that construction and

rapid are not two words you would use

I am, however, good at contempla-

tion (or maybe that is procrastination), I

to describe me.

indicated that more than 46,000 jobs and \$2.6 billion in GDP would be adversely impacted at the farm, ethanol production and meat production levels before accounting for losses in linked industries.

"International markets represent demand that would not exist elsewhere," said Deb Keller, USGC chairman and a farmer from Iowa. "This research highlights the important economic benefits of exports that our U.S. economy depends upon to subsist.'

ics conducted the study, which examined the economic contributions to each state and 52 congressional districts from ex-

DUST ON THE DASHBOARD

Econom-

by Glenn Brunkow

to catch the cows.

The next morning, I needed to take

a couple of rams to the sheep sale. I got

around as early as I could, in fact I got

around earlier than I had planned be-

cause Jennifer had both rams caught by

the time I got done with chores. When I

asked why she had not waited for me, she

said something about being married 22

years and knowing how long things took.

I am not sure what happened on the

drive to Clay Center; everything seemed

to go fine but instead of a couple of

hours the trip ate up the whole morning.

Informa

ghum, ethanol, distiller's dried grains with solubles (DDGS), corn gluten feed and meal as well as the corn equivalent of meat on the U.S. economy. The study extended

analysis to determine the importance of exports across the broader U.S. economy. Total impact of grain and grain products exported in 2015 indirectly supported more than 261,000 jobs across the United States and \$21 billion in gross domestic product (GDP).

Breaking down the numbers, these results showed every \$1 of grain exports generated supported an additional \$2.19 in business sales. And every job directly created grain products supported an additional 4.7 jobs in the United States. These indirect and in-

restaurants, hospitals and employment services industries.

to the U.S. economy extends far beyond our fields and farms," said NCGA president and North Dakota farmer Kevin Skunes. "By analyzing the impacts to individual states and congressional districts, constituents and legislators alike can better understand how their local communities benefit from and depend on exports."

by the export of grain and

duced business activities extend well beyond the agricultural industry, including to the wholesale trade, real estate, oil and natural gas extraction to service sectors including

"The value of exports

safety advocate after an accident. Farmers and ranchers should think and practice safety every moment of every day.

Not enough time and haste are two of the main reasons farmers wind up in accidents. The reason most farm fatalities are male is because more men handle the equip-Farm safety is not al-

ways an easy message for

farmers and ranchers to implement in the workplace. However, the point is to think and plan to stay healthy, active and safe in what can be a potentially hazardous environment. John Schlageck is a lead-

ing 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.



It appeared as though a crime had been committed in our house and I found myself in the unenviable position of being the prime suspect.

My husband's fitness bracelet had disap-Suddenly he turned into an odd conglomer-

ation of Marshal Dillon, Andy Griffith and Kojak (two old television lawmen and a bald, Tootsie Pop-sucking detective for you younger readers). 'Now, now little lady, we all know how much turmoil you were in over

me getting more steps every day than you," he said, with the direct gaze of Marshal Dillon and his hand on an imaginary six-shooter. "You probably lost it out doing chores," I said, all the while wondering if I should give him a

throw him off the trail. But, what trail? I had nothing to do with this.

ACE REID

"NO, MY WIFE NEVER GOES TO BED MAD... SHE LIKES TO STAY UP ALL

Miss Kitty wink to try to

Then he went all lovable, affable Andy Griffith on me, right down to

the southern drawl.

"Now, you know, honesty is always the best policy and even if you did commit this little crime, there's no reason you cain't come clean and get back on the right side of the law. Why don't we sit down over a piece of pie and talk about it?"

"I haven't baked a pie in 15 years," I retorted. "Did you look inside your jacket sleeve?" Then he got tough.

"Now listen, I have

all the proof I need to

lock you up for this. Stop playing games." "What proof???"

He produced a Grass & Grain with a flourish and thrust it under my

"It's right here, in black and white. You admitted you were consumed by a rabid sense of competition. You even hinted at putting tacks in my shoes. That's criminal threat."

Drats, indicted by my own creative writing and flair for exaggeration.

A couple of days later, as I was eating my bread and water and waiting for the bus to take me to the Big House, he came in with an unmistakable sheepish air about him. Instantly I knew something was up.

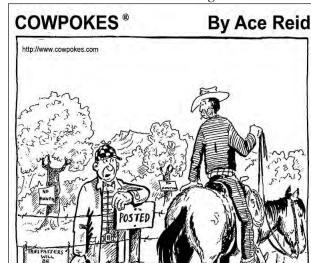
"So... I found my fitness bracelet," he said. "It was under a hay bale in the back of the truck."

"Hmmmm. Interesting," I replied. "So, I've been cleared?"

"For now," he replied. "But don't let me catch you around these parts again."

got to stop watching so much television.

Really, that man has



think I work rather well with a looming After a quick lunch we moved the panels deadline. In any case, I need to build and set up the catch pen that had been "Wul, how wuz I supposed to know this place wuz planned for the day before. enough pens to house all the ewes. We posted?" won't worry about the lambing facilities; The next day was Sunday and of after all I have until late December to course we started the morning by going take care of that part. No reason to get to church. That afternoon it was decided in a rush. to try to catch the last pasture of cows EARL and bring them home. All went smoothly Construction is not my thing, I just until the last three pairs. They decided do not have the eye for laying things out and making them work right. I do have a that they did not want to be caught and definite idea of how I want them, more would prefer to stay through the winter. importantly I have a definite idea of how After much cussing, discussing and outright hatred I was inclined to let them I don't want the pens to look and that is have their way. Jennifer was not so unlike they did at the old place. The sheep just happened at our old place, I have derstanding and soon the cows came to always said they are an overgrown 4-H see things her way. In the end the cows came home but another full day was lost. project and because of that the pens sprung up haphazardly and with no real Monday dawned and with it the need plan. The new place gives me a chance to to get the combine to the dealership for start with a clean slate but with an idea its winter check-up and the grain trucks of how I want things to work. needed to be put away too. Again, for I have spent the last three months reasons I don't fully understand this all since the move contemplating and thinktook far more time and yet another day ing about how the pens should be built was lost. Yesterday was a day of more

took over, the pens must be built. Wish

me luck and stay tuned, this could get

(again, I have heard the word procrastiprogress, the skid loader was roaded nate thrown out too) and it is now time home, posts were bought, and the postfor action. I may not like building pens hole digger was borrowed. Everything but when I am ready to do it, I want to was laid out and the project would start today. Today dawned cold and clear. get started and keep at it until the job is done. That is why the past couple of days Why the weather report? The water hydrant was frozen, the cows needed to have been so agonizing. be fed and the tractor would not start. It all started with moving some of the All of this translated into another halfewes around, so I could bring the cows home off the rented pasture. Loading the day lost. ewes is not usually a problem, a bucket This all gave me time to again conof feed strategically placed on the front template and rethink my plans. Maybe of the trailer and stand back. Howev-I did not need such good pens. Maybe I didn't need pens after all. Suddenly free

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NIGHT AND FIGHT.

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er, Twinkle Toes, Isaac's prized Suffolk ewe, had been through this all before and would have none of it. We played a game of cat and mouse for what seemed like an hour before she finally gave in and loaded

up. No real big deal but it put me behind and I didn't get panels moved and set up

range, pasture sheep seemed like a good idea. Then common sense and reality Foods, Inc., is interested in building a \$320 million poultry complex in Kansas is bringing a range of reactions from community members where the plant might be located. Two Kansas State University extension specialists answered questions about what such a complex might mean for a community and surrounding area.

Tyson and the Kansas Department of Agriculture on Sept. 6 announced that Tyson would build a \$320 million poultry complex near Tonganoxie in Leavenworth County. The complex was expected to employ about 1,600 people and contract with farmers and ranchers in the area to raise chickens. Tyson said the payroll and payments to farmers from the new operation, along with its purchase of grain and utilities, were expected to generate a direct annual economic benefit to the state of Kansas of \$150 million. Community backlash in Leavenworth County after the announcement, however, has Tyson looking for other locations. Sites in Cloud, Montgomery and Sedgwick counties are now under consider-

K-State Research and Extension poultry specialist Scott Bever wants to make people aware of modern poultry production practices at farms that typically contract with a major processor such as Tyson. He and Extension agricultural economist Dan O'Brien answered commonly asked questions recently:

What about odor from poultry waste? How is that controlled when raising many birds?

Beyer: Waste from poultry falls onto bedding, such as pine shavings and sometimes straw. Because poultry houses have high ventilation rates,

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lack of water stabilizes it. This prevents decomposition, minimizes odors and keeps flies from using the waste to reproduce. Upon clean-out, the dry waste is piled and composted in a facility where it reaches a high temperature to destroy micro-organisms, very much like any home composting bin. Poultry growers never use water or lagoons that are associated with the waste of other farm animals. This prevents the growth of odor-causing micro-organ-

How would this affect the water supply and quality in the region?

Beyer: An actual poultry farm doesn't use much water. A bird consumes about a quart of water for every pound of feed consumed which is far less than the average irrigation pivot. All poultry farms operate under a nutrient management plan. This requires analysis of the nutrients, like nitrogen and phosphorus, in the compost. The composted litter is then spread on farm fields, based on the soil nutrient content and the needs of the plants grown on the farm. In most cases, supplemental chemical fertilizers are still required because some nutrients are not high enough in the litter to adequately feed the plants. So, any litter used simply offsets some of the chemical fertilizers used by farmers to grow soybeans, corn and sorghum. In the end, no additional nutrients are used by anyone, and the total amounts of nutrients remains the same before chickens came to the area. In fact, with the organic content, and with micronutrients in the litter, plants actually grow better with litter compared to crops grown with only the major chemical fertil-

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can consider compost to be essentially recycled corn and soybeans (that were fed to chickens) to grow the next crop.

Can you describe, in general terms, modern poultry production? Are the chickens raised in a controlled atmosphere?

Beyer: Broiler chicks need heat for a few days. then the temperature is dropped to reach their most comfortable temperature at around 75 degrees. The houses are long and narrow so that air can flow easily through the building. Most people don't know that birds don't sweat, so it's important to move the air so that as they breathe, the air can remove respired moisture which allows them to cool. The buildings will have solid sidewalls, and it will be difficult to even know if there are any birds in the house. Air is moved by exhaust fans which pull air through an evaporative cooling system during warm weather. Because the litter must be kept dry, the airflow not only cools the birds, but it also removes the moisture from the litter and building, which prevents odors. Many people think the birds are crowded but what they are observing is the gregarious nature of birds. No matter how much space you give them, birds want to flock together, so they will all end up in one place in a barn anyway. They are never in cages so the birds can move about wherever they want in the entire build-

The buildings are 100 percent computer-controlled, and sometimes through apps on a phone, managers can use cameras to check the birds. You can literally go to a Friday night ball game and check your birds over your smart phone. I consider a typical

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time job, with a few fulltime days here and there. Most poultry growers also are teachers, grow crops, run cattle, etc.

What economic impact might a complex like the proposed Tyson plant have on a community or region?

O'Brien: There are always pros and cons when considering a business of this size coming into a community, but for grain growers and some agri-businesses in the region, the impact is a net positive. It's very possible that this processing plant will have a positive effect on the regional grain demand for livestock feed, and regional grain prices. In addition, a business of that size has the potential to provide additional local employment and retail business volume, increase agricultural land values in the area as a result of higher grain prices, add to the local tax base to help fund local government services, and to increase home real estate values because of increased residential housing demand.

What types of employees will be required for this enterprise?

Beyer: An integrated farming operation of this size will require employees with a wide range of skills. The contract farms will hire family help, while providing on-farm employment growing the birds or producing hatching eggs. There will be USDA inspectors, quality-control personnel, and people working in food safety. Besides the independent, family-owned farms, there will need to be flock supervisors who travel to all

check the birds. There will be construction jobs for the grow-out buildings. The automated equipment and robotic processors typical on these farms will need people skilled in technical abilities. More than likely, there will be at least one outfit that will open an office in the area to sell commercial equipment and parts for poultry houses. Because the houses are heated mostly by propane, gas companies will need to hire additional crews to deliver gas. The job base will require high-school grads, techschool grads, university degrees and probably advanced degrees in areas like management and veterinary care. There will be specialized jobs in grain handling and feed manufacturing. And don't forget all the IT and accounting people required in payroll. There aren't many enterprises that will offer jobs with the breadth of skills and educational

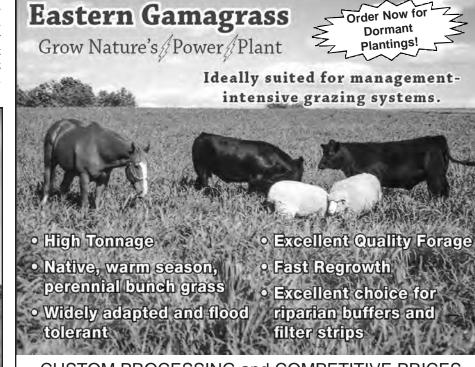
levels than integrated

poultry production.

What else do you think people should know?

Beyer: People don't realize that the farms needed to supply birds could be spread sparsely over several counties. These houses won't make noise, nor will they have any lagoons that produce odors so it's likely that most people who see one won't even know it's full of birds. And for those more interested in the breeding operations, some growers will have hens and roosters naturally producing hatching eggs that will be moved to a hatchery where things are so automated that the chicks are even vaccinated while still in the egg. The broilers for meat are then scheduled for processing at market weight and they will be moved via a truck to a plant where the truck will move right into an area for unloading. There are no holding pens for birds around poultry plants and, besides an occasional truck moving birds, most folks won't even know if birds are being processed.





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Grass & Grain, November 14, 2017

GRASS Our Daily Bread & GRAIN * * * * * * * By G&G Area Cooks * * Glenda Tullio, Council Grove, Wins Weekly Grass & Grain Contest Prize

Glenda Tullio, Council Grove:

CRANBERRY-ORANGE BREAD

2 cups flour 3/4 cup sugar 1 1/2 teaspoons baking powder

3/4 teaspoon salt

1/2 teaspoon soda 1/4 cup oleo

1 tablespoon grated orange peel (zest) 3/4 cup orange juice

1 cup fresh or frozen cranberries, chopped 1/2 cup chopped pecans

Heat oven to 350 degrees. Grease bottom only of loaf pan (8 1/2-by-4 1/2-by-2 1/2 or 9-by-5-by-3). Mix flour, sugar and baking powder, salt and soda. Stir in oleo until mixture is crumbly. Add orange juice, zest, and egg until just moistened. Stir in cranberries and nuts. Spread batter into pan. Bake until wooden toothpick tests clean, 55 to 70 minutes. Cool 5 minutes. Loosen sides of loaf from pan; remove and cool completely. Makes 1 loaf.

NOTE: Measure flour carefully! Batter will be thick.

Lydia Miller, West-

NO-BAKE COOKIES

2 cups sugar 2/3 cup evaporated milk

3/4 cup oleo 1 package instant pud-

ding (any flavor) 3 1/4 to 4 cups quick oats

Combine sugar, evaporated milk and oleo and bring to a boil. Boil 2 minutes. Remove from heat and add pudding and oats. Drop by spoonfuls onto waxed paper.

Lucille Wohler, Clay

CRANBERRY SALAD 2 packages cherry gel-

2 cups hot water 2 cups sugar

2 cups ground cranber-

2 small cans crushed

pineapple

Dissolve gelatin in

creamer (use your favorite flavor)

drink mix

1/2 cup sugar

1/2 teaspoon cinnamon

1 (10.5-ounce) can condensed French onion 1 1/2 pounds ground beef

1/2 cup dry bread crumbs

teaspoon ground

black pepper

1 tablespoon all-purpose flour 1/4 cup ketchup

Time To Begin Enjoying The Joys Of Wintertime Cooking

1/4 cup water

Mom's Chicken Pot Pie

1/3 cup chopped onion

1/3 cup all-purpose flour

1/4 teaspoon ground

1 3/4 cups chicken broth

2 cups chopped cooked

1 (14.5-ounce) can peas &

1/2 (15-ounce) can whole

new potatoes, drained

1 (15-ounce) package pre-

pared double-crust pie

Preheat oven to 425

degrees. Melt butter in

a large skillet over me-

dium heat. Cook and stir

onion, flour, salt, and

pepper in melted butter

until the onion is trans-

lucent, about 5 minutes.

Remove skillet from

heat and pour chicken

broth and milk into the

skillet; bring the mix-

ture to a boil and cook

to thicken slightly, about

1 minute. Remove skillet

from heat and stir chick-

en, peas and carrots, and

potatoes into the broth

mixture. Press one pie

pastry into the bottom

of a deep-dish pie pan.

Pour the broth mixture

into the pie pastry. Top

with remaining pastry

and press edges togeth-

er to form a seal. Cut

several slits into the top

pastry. Place pie plate on

a baking sheet. Bake in

preheated oven until the

crust is golden brown.

about 30 minutes. Let pie

cool and filling thicken

at room temperature for

15 to 20 minutes before

Salisbury Steak

1/3 cup butter

1/2 teaspoon salt

black pepper

2/3 cup milk

chicken

carrots

1 tablespoon Worcester-

shire sauce 1/2 teaspoon mustard

powder In a large bowl, mix together 1/3 cup con-

densed French onion soup with ground beef, bread crumbs, egg, salt and black pepper. Shape into 6 oval patties. In a large skillet over medium-high heat, brown both sides of patties. Pour off excess fat. In a small bowl, blend flour and remaining soup until smooth. Mix in ketchup, water, Worcestershire sauce and mustard powder. Pour over meat in skillet. Cover, and cook for 20 minutes, stirring occasionally.

1 pound ground beef 1 onion, chopped salt and pepper to taste 1/2 (32-ounce) package tater tots 1 (10.75-ounce) can con-

Tater Tot Bake

densed cream of mushroom soup 1/2 cup milk 1 1/2 cups shredded

Cheddar cheese

Preheat oven to 350 degrees. In a large skillet over medium-high heat, brown the ground beef with the onions. Drain excess fat, and season with salt and pepper to taste. Spread the beef mixture evenly over the bottom of a 2 quart casserole dish. Arrange tater tots evenly over beef layer. In a small bowl, stir the soup into the milk until smooth; pour over tater tot and beef layers. Sprinkle Cheddar cheese evenly over the top. Bake in preheated oven for 30 to 40 minutes, until cheese is bubbly

Cauliflower Pizza Bites 1 large head cauliflower,

cut into large chunks 2 1/2 cups shredded mozzarella cheese, divided

1/2 cup freshly grated Parmesan cheese 1/4 teaspoon salt

1/4 teaspoon ground

black pepper 1/4 teaspoon garlic pow-

1/4 teaspoon onion pow-

1/3 cup pizza sauce Preheat oven to 425

degrees. Line a muffin tin with parchment paper squares. Grate cauliflower into a microwave-safe bowl using a fine grater. Chop up any remaining pieces that are too small to grate but too big for the crust. Microwave cauliflower until soft and tender, 4 to 6 minutes. Pour cauliflower into a clean dish towel cool easily handled, 15 to 20 minutes. Wrap the towel around the cauliflower and squeeze out as much liquid as possible; the drier the cauliflower is, the better it will hold together as a crust once mixed with the other ingredients. Combine cauliflower, 1 cup mozzarella cheese, Parmesan cheese, egg, salt, pepper, garlic powder, and onion powder in a large bowl. Scoop cauliflower crust mixture into prepared muffin tin, dividing the mixture evenly among the cups. Pat down cauliflower mixture with the back of a spoon, making it compact. Bake in the preheated oven until golden brown, about 15 minutes. Spoon a small amount of pizza sauce onto each cauliflower crust. Top with remaining 1 1/2 cups mozzarella cheese, dividing evenly among the crusts. Bake

cheese is melted, about 15 minutes. Let sit in pan for 5 minutes before moving each bite to a cooling rack. Let cool for 10 minutes. Peel parchment paper squares off the crusts and serve on a platter.

Roasted Sausage and Sauerkraut (13-ounce) packages smoked kielbasa sausage, cut into bite-size

1 medium onion, thinly sliced

1 (32-ounce) package sauerkraut, drained

1 tablespoon olive oil

1 tablespoon butter, melted 1/2 teaspoon black pep-

per 1/4 teaspoon caraway

seeds

2 green apples, coarsely chopped Salt to taste

Reynolds Wrap® Heavy Duty Aluminum Foil

Preheat oven to 350. Lay a large sheet of Reynolds Wrap® Heavy Duty Aluminum Foil on a baking sheet. In the center of the foil, combine the sausage, onion, sauerkraut, oil, butter, pepper and caraway seeds; mix well. Bring up foil sides. Double fold top and ends to make a packet, leaving room for heat circulation inside. Place the foil package in preheated oven and roast for 30 minutes. Open packets carefully by cutting along top fold with a sharp knife, allowing steam to escape; then open top of foil packet. Stir in the green apples and reseal, adding another piece of foil to the top if necessary. Return to the oven for 10 more minutes. Remove

taste and serve. Printed From Allrecipes.com 11/6/2017

from the oven, add salt to

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$G \delta G$ Announces Its Annual Holiday Recipe Contest

Nov. 21 through Dec. 19

In observance of the holiday season, Grass & Grain will award the weekly winners \$35 in addition to the prize gift. Recipes received NOW through DÉCEMBER 12 will be entered in the holiday contest. Enter as often as you like during this period.

BONUS DRAWING

Second chance to win! The names of all contestants will be entered in a drawing from which four names will be chosen. Each of these four contestants will receive \$35 Winners will be announced Dec. 19.

Hometown Heroes 1,000 piece Puzzle

Features a lovely image that celebrates the brave men and women that keep us safe! This classic illustration is sure to give you a sense of nostalgia!



Artwork by Dan Hatala. • 26 3/4"W x 19 1/4"L. • Ages 13 and up.

The winner each week is selected from the recipes printed. Send

us your favorite recipe. It may be a main dish, leftover, salad, side dish, dessert, or what-have-you. 1. Check your recipe carefully to make certain all ingredients are accurate and instructions are clear. 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: auctions@agpress.com

hot water. Add sugar and stir until dissolved. Chill slightly then add ground cranberries and pineapple. Mix well and

Another one from Lydia Miller, Westpha-

CAPPUCCINO MIX 1 cup instant coffee

1 cup instant chocolate 1/2 cup instant coffee

Mix all ingredients. Store in air-tight container. To prepare, mix 3 heaping tablespoons of mix in 6 ounces hot water. Add whipped cream on top if desired.

1/4 teaspoon salt

cutting.

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curate and instructions are clear. 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,

leftover, salad, side dish, dessert, or what-have-you.

1. Check your recipe carefully to make certain all ingredients are ac-

Eat Smart

From K-State Research and Extension, Wildcat District APPLE-STUFFED SQUASH

4 acorn squash (washed) 1 tablespoon butter

2 apples (chopped) 2 tablespoons brown sugar, packed

until golden brown and

½ teaspoon cinnamon 1. Cut squash into halves and remove seeds. 2. Place in glass dish, cover with plastic wrap. Micro-

wave on high for 5 minutes.

3. Melt butter. 4. Mix in apples, sugar and cinnamon. Microwave for

5. Spoon apple filling into each squash half.

6. Cover and microwave on high for 3-5 minutes until

squash and apples are tender.

7. Serve warm. Makes 8 servings. Nutrition Facts: Serving size 1/2 squash — Calories 140; total 1.5g: saturated fat 1g: trans fat 0g: cholesterol 5mg: sodium 20mg; total carbohydrates 32g; dietary fiber 4g; total sugars 8g (includes 3g added sugars); protein 6g; vitamin D 0mcg; calcium



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Expert Advice On How To Turn **Out A Terrific Turkey**



(NAPS) — To help you save time and trouble and turn out a beautiful bird (or two), "Mastering the Art of Southern Cooking" author and television host Nathalie Dupree offers these clever turkey time tricks.

"I rarely cook a turkey larger than 14 pounds, and find it easier to roast two smaller ones than one larger one. A large turkey takes longer to cook, and is more difficult to handle and store. Two small turkeys allows one of them to be roasted and carved ahead of time, and the other to be the 'showpiece' on the table," she explains.

"Rather than stuff the turkey," she adds, "I flavor it with an onion, carrot and a few herbs. Herbs enhance the flavor of the turkey, when tucked inside the cavity. If a rack is not available, the onions and carrots can form a resting place for the turkey. I add stock to keep the bottom from burning and to ensure a scrumptious gravy. This creates a bit of steam, so take care when opening and closing the oven."

As for thawing a frozen turkey, she says, it's best to do so in a refrigerator that's at 40 degrees or cooler. Allow 24 hours of thawing time for every four to five pounds of turkey.

> Apple Cider-Brined Turkey Serves 8 to 10

1 (12- to 14-pound) turkey, fresh or thawed 1 quart apple cider

1/2 cup brown sugar 1/2 cup melted butter 3 onions, quartered, divid-

Salt

3 carrots, divided 3 red cooking apples, cut in quarters

Chopped fresh herbs to taste, such as rosemary,

sage, thyme, optional Preheat oven to 450 degrees. Remove any parts that are in the interior of the turkey. Bring apple cider, one tablespoon of salt per pound of turkey and the 1/2 cup of brown sugar to boil in large pot. Add 1 quart water. Cool to room temperature. Add turkey to the liquid in the pot, making sure it is submerged. Cover and refrigerate overnight. The next day, remove from brine and pat dry with paper towels. If a crisper skin is desired, leave uncovered in the refrigerator for several hours or overnight. Oil a large roasting pan and rack, set aside. Add half the onions, carrots and apples, with the herbs, to turkey cavity. If using a rack, put the remaining apples and vegetables UNDERNEATH in the roasting pan. If not, put the carrots in the center of the pan, with the onions surrounding them.

Truss bird or tie its legs

together and move to the

rack or on top of the vege-

tables. Brush turkey with

butter or oil, particular-

ly the breast. Add enough

stock to come 1-2 inches

up the sides of bird. Turn

turkev breast side down

and roast for 1 hour. When

removing turkey from

oven, open door carefully,

watching out for steam. If

stock has boiled down to

less than 1 inch up the

sides, add more to bring

it up to 2 inches. Flip the

turkey, breast side up and

return it to oven and roast

for another hour (cover with foil if browning too

much). Check for doneness

with an instant-read ther-

mometer — it should read

170 degrees inserted in the

thigh — or remove when juices run clear when a

knife is inserted in the flesh of the thigh. For Gravy Recipe and Nathalie's Apple, Sausage, Greens and Biscuit Dressing, go to Chefschoice.com/

recipes/. Turkey-Carving Tips

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your knife before carving your bird. Sharp knives are safer, prevent shredding and save time. I use the Chef'sChoice XV because it is easy and reliable," says Dupree. • Step 1

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• Step 2

After the turkey is cooked (meat thermometer should read 170 degrees when inserted in the thickest part of the turkey), cool the bird for 15 minutes. Cooling makes the meat firmer and easier to slice. Remove and set aside the turkey legs and the last joint of each wing. Make a long, deep (to the bone) horizontal "base cut" into the breast just above the wing.

• Step 3

Slice down vertically through the breast until you meet the original base cut. This will release perfect, even slices. Following these preparations and carving tips can help make your Thanksgiving a meal to remember.

"Be sure to sharpen

By Lou Ann Thomas In my twenties and

thirties I was a bit of a wanderer and home was little more than a launching pad for my next adventure. I'm more of a homebody now, but still believe time away is important and offers an opportunity for greater appreciation of what I have or for new dreams of where and what I want to be. I just returned from

my annual visit to Taos, New Mexico. I love Taos because, in addition to appreciating a different landscape, I also get to meet new people and learn more about the rich history of the area. I also enjoy the diverse cultures that live peacefully and respectfully together in Taos. Oh, and New Mexican cuisine is among my favorites so I fill up with the layered blue corn enchiladas with Christmas, a delectable and spicy combination of red and green chili sauces for which the state is known.

Instead of a busy, ranged around reading,

and Away

Launch to Landing

to-do list, my vacation time is loosely ar-

walks with Boone the dog, and well-deserved naps. Maybe this is because preparing for a vacation is so exhausting. With the laundry, arranging reliable care for my cats, making sure someone is looking over the place in my absence, working ahead so as to not miss a deadline, packing for both Boone and I, preparing the vehicle, and cleaning the house — who wants to come home to a dirty house? — by the time I crawl into the car I'm

Grass & Grain, November 14, 2017

spent. Fortunately, once on the road and with most of my responsibilities left behind I quickly begin to feel rejuvenated. One of the

things that lend itself to the feeling of renewal is not having a house full of stuff for which I must care and tend. It's liberating to have only that which I carry with me — a suitcase of clothing, my laptop, a couple of books, a notebook and, of course,

Page 5

This year I stayed at a casita outside of town, which was in a designated "Dark Sky" community. That meant that nighttime outside lights are only used as necessary. The lack of light pollution made the constellations in the clear New Mexico night sky stand out as though in relief and the stars appeared so close it felt as though all I needed to do was stretch my arm out and I would touch them. Savoring that night sky was by far one of the best parts

of my vacation. But when it was time to leave, I was ready to get back to the farm. That's because, these days, my home is more than just my launching pad, it's also my landing pad.

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REAL ESTATE AUCTION

THURSDAY, DECEMBER 7, 2017 — 1 PM Cattle Starting/Growing Facility - Barn, Pens, Bunks, Processing Equipment with 7 Bed, 3 Bath Home - 240 Acres in Woodson County

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TRACT 3: Combination of Tracts 1 & 2, 240 Acres as per Woodson Co. records. Mineral Rights are Included - No Lease

TERMS: \$25,000 down on Tract 1. \$20,000 down on Tract 2 \$45,000 down on Tract 3, as non-refundable earnest deposit and signing of a purchase agreement the day of sale, the full balance due within 30 days at closing. Buyer & Seller will split cost of title insurance and closing agent fee. Properties sell subject to sellers reserve and all rights of way & easements & restrictions of record, and appropriate court approval. Property sells "as is" with no guaranties or warranties from seller or sellers agent. Property does not sell subject to financing or rights of recission. 2017 and all prior years taxes will be paid by the Seller. Possession of house will be March 1,2018, Possession on all other land will be at closing. Buyer inspections must be completed prior to sale date.

For more details contact sellers agent: LARRY MARSHALL AUCTION & REALTY- FREDONIA, KS 620-378-4356 or 620-485-6136 marshallauction@twinmounds.com - www.marshallauctionandrealty.com

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Bids due no later than 5 PM CST, Friday, November 17, 2017 All bids are final. There will be no further bidding and real

- estate will sell to the highest bidder on each tract. Tract 1- Cleared pasture, new five-wire fence, good farmland Tract 2 - Nice hay meadow, small farmland acreage, good recreational use
- Tract 3 Good quality farmland, hay meadow, timber for recreational use
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ige 6 Grass & Grain, November 14, 2017

Registration now open for Citizenship in Action program

Registration is now open to Kansas youth to participate in an opportunity to meet their state legislators and learn more about how to be involved in legislative decisions that affect their communities.

The two-day event, called Citizenship in Action, will be held at the Kansas Capitol building in Topeka on Feb. 18-19. It is open to youth who will be 13-18 years old prior to Jan. 1, 2018.

The event is sponsored by the Kansas 4-H Youth

Leadership Council, but you do not have to be a member of 4-H to attend. Registration and more information is available online at www.Kansas4-H. org.

"This event allows youth to understand the im-

portance of being involved with their communities so that they can help affect decisions that are made on a local and state level," said Sarah Keatley, the events coordinator with Kansas 4-H.

Participants will get an up-close look at the

Participants will get an up-close look at the legislative process, including a tour of the Capitol building, tips on how to meet and talk with their legislators, and a discussion on how youth can have a greater impact in their communities. Youth are also encouraged to schedule individual meetings with their local legislators.

The cost is \$170, which includes lodging, meals, insurance and program fees. All youth must be accompanied by adult chaperones during the trip.

The registration deadline is Jan.15. Interested youth can also get information by contacting their local Extension agent.

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Randy Stookey promoted to senior vice president of government affairs for KGFA

Kansas Grain and Feed Association recently announced it has promoted Randy Stookey to general counsel and senior vice president of government affairs.

Stookey, who has been general counsel for KGFA and its managing contract associations, Kansas Agribusiness Retailers Association and Renew Kansas since 2011, will officially be promoted on Nov. 15, 2017.

"I am incredibly grate-

ful to have been given the opportunity to work for the industries that I represent each day, and to work alongside such an incredible team of people," Stookey said.

Stookey joined KGFA

in November 2011 as its general counsel, providing general legal advice and counsel to association board members and staff. As general counsel, Stookey is also the administra-



tor of the Kansas Agricultural Remediation Board – a governor-appointed body which reimburses firms for the costs of ag-chemical remediation. In addition, Stookey has served daily as a lobbyist for federal and state legislative activities with state legislators and regulatory officials.

"Randy's promotion to senior vice president recognizes his commitment and dedication to KGFA and its affiliated associations," KGFA president and CEO Tom Tunnell said.
"His past job performance has been exemplary and he has proved himself to be a committed association advocate."

Then, his promotion

Upon his promotion, Stookey will continue his role as general counsel, the administrator of the Kansas Agricultural Remediation Board and will now oversee all government relations initiatives conducted by KGFA.

"I appreciate the

board's trust and confidence in my ability to continue to represent our members' unique interests," Stookey said. "I look forward to continuing this solid relationship for years to come."

Stookey earned a bach-

Stookey earned a bachelor's degree in agribusiness from Kansas State University in 2000 and in 2004 graduated with a Juris Doctorate degree from Washburn University School of Law. In addition,

Stookey served 12 years in the United States Marine Corps Reserve, attaining the rank of Chief Warrant Officer 2 before serving as Officer in Charge of the Reserve unit in Topeka, Kansas. Stookey later joined the Kansas Army National Guard and served four years as a Captain in the JAG Corps, Trial Defense Service.

Prior to his time at

KGFA, Stookey served six years as staff legal counsel for the Kansas Department of Agriculture, where he regularly worked with laws and regulations regarding pesticides and fertilizers, grain warehouses, weights and measures, petroleum products, agricultural commodities, food safety and state slaughter facilities. Most recently, Stookey served briefly as associate general counsel for the Kansas State Board of Healing Arts.

USDA to re-engage stakeholders on revisions to biotechnology regulations

The U.S. Department of Agriculture's (USDA) Animal and Plant Health Inspection Service (APHIS) has announced it is withdrawing a proposed rule to revise the Agency's biotechnology regulations and will re-engage with stakeholders to determine the most effective, science-based approach for regulating the products of modern biotechnology while protecting plant health.

"It's critical that our regulatory requirements foster public confidence and empower American agriculture while also providing industry with an efficient and transparent review process that doesn't restrict innovation," said Agriculture Secretary Sonny Perdue. "To ensure we effectively balance the two, we need to take a fresh look, explore policy alternatives, and continue the dialogue with all interested stakeholders, both domestic and international."

APHIS oversees the importation, interstate movement and environmental release of genetically engineered organisms to ensure they do not pose a plant pest risk. This important work will continue as APHIS re-engages with stakeholders

"Today, we need to feed some 7 billion people. By the year 2050, that population will swell to 9.5 billion, over half of which will be living in underdeveloped conditions. To put the demand for food into perspective, we are going to have to double our production between now and 2050. We will have to produce more food in the next 30 years than has been produced in the last 8,000 years. Innovations in biotechnology have been helping American farmers produce food more efficiently for more than 20 years, and that framework has been essential to that productivity," Perdue said. "We know that this technology is evolving every day, and we need regulations and policies that are flexible and adaptable to these innovations to ensure food security for the growing population."

tions to ensure food security for the growing population."

More information will be posted as it becomes available at: https://www.aphis.usda.gov/biotechnology/news.



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Grass & Grain, November 14, 2017 New educational coloring book features tiny superhero of the soil

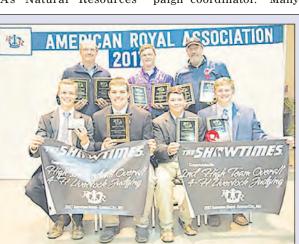
She's a wee bit smaller than your typical superhero.

But the creators of a new soil health-themed coloring book believe Mighty Mini Microbe's Tale will encourage the next generation of real-life hero farmers, conservationists and scientists to further unlock the secrets in the soil.

The 24-page coloring book is produced by US-DA's Natural Resources

Conservation Service and is part of its ongoing "Unlock the Secrets in the Soil" soil health awareness and education campaign. It is illustrated by Cat Bailey, an NRCS public affairs specialist in Portland, Oregon.

"While the characters are fictional, there's solid science behind the narrative," said Ron Nichols, the book's author and NRCS soil health campaign coordinator. "Many



Members of the Wildcat Extension District 4-H Livestock Team include, front row, from left: Andrew Anderson, 1st Place Individual, 1st Reasons, 1st Sheep/Goats, 4th Beef; Tyler Sale, 4th Place Individual, 2nd Swine; Jake Keene and Dalton Flatt. Back row: Keith Martin, Rhett Newby, Brian

Wildcat Extension District **4-H Livestock Team wins Reserve Champion at** American Royal in KC

The Wildcat Extension District 4-H Livestock Team competed at the American Royal Livestock 4-H Livestock Judging Contest on Oct. 26, 2017 in Kansas City, Mo. The team won Reserve Champion while competing against 15 teams from different states. Along with winning Reserve Champions they also placed 3rd in Reasons, 3rd Sheep/Goats, 4th Beef Cattle and 4th in Swine. The team earned the right to participate in the contest by placing first at the State 4-H Livestock Judging Contest on Aug. 20th in Manhattan. Earlier this year teams from the Wildcat District placed 3rd at the National Western, 2nd at the OSU Big 3 and were able to judge at the Royal Highlands Show in Scotland.

The team had two members place in the top ten individuals overall with Andrew Anderson placing 1st and Tyler Sale placing 4th. Anderson is a senior at Caney High School, while Sale is a graduate of Cherryvale High School and currently a freshman at Connors State College in Warner, Oklahoma. Other team members that contributed to the placing were Dalton Flatt, senior at Cherryvale High School and Jake Keene, senior at Caney High School. These young men are all planning to attend or are currently committed to continue their education on scholarships for livestock

Keith Martin, Wildcat Extension District Livestock and Forage Agent, would like to thank everyone who has had a part of the team's success. "This caps off a very successful year and I am proud to work with this group of very dedicated, talented and hardworking



the elegant symbiosis of life underground enables all life above ground," he said. "Through this simple story we hope to encourage the next generation of farmers, scientists and consumers to learn more about what we can and should do to enable that subterranean life so we can rebuild and regenerate our soil to sustainably feed our growing popula-

Nichols said the story not only highlights the role of soil microbes in our lives, but also the role of "farmer heroes," who farm in ways that protect and improve soil microbial habitat

"Farmers who implement soil health management systems on their farms are the other heroes in the story," he said. "By using no-till, cover crops and diverse species and rotations, these producers are increasing the health and diversity of soil microbiological communities. In turn, these microbes provide nutrients, protect plants from pests and disease and improve soil aggregation and function - all of which make farming operations more productive, profitable and more resilient to weather

As part of its educational campaign, Nichols said, NRCS plans to release a series of animated "Mighty Mini Microbe" educational public service ads later this year, which are designed for children's television programming.

"The more we discover about the wonderful life below ground, the more we realize how much more there is to discover about our living and life-giving soil," Nichols said. "It's an exciting frontier in science. Hopefully, this little coloring book will unlock the imaginations of our next generation of soil health explorers."

The coloring book can be ordered or downloaded from the NRCS website at

Kansas Wheat seeks innovative research proposals for 2019

Applications for research projects that can enhance Kansas wheat profitabiliproducers' ty are currently being accepted by the Kansas Wheat Commission, Kansas Wheat Alliance and the Kansas Crop Improvement Association for the 2019 fiscal year.

organizations are committed to promoting innovation within the wheat industry by investing in promising research opportunities. Improving wheat producer productivity and profitability through wheat research is at the heart of the Kansas Wheat Commission's mission, and we are proud to partner with other organizations to make a more innovative wheat industry. Each year Kansas Wheat provides nearly \$2 million in funding for research projects, such as wheat breeding, wheat quality, disease screening, insect research, phenotyping, genotyping and many others.

"With the current rapidly evolving world of crop technology, Kansas Wheat Commissioners take their job of advancing wheat research very seriously.' savs Aaron Harries, vice president of research and operations for the Kansas Wheat Commission. "Nearly one quarter of the Commission's producer-funded budget is appropriated to wheat research."

The applicants should consider three goals when that support the industry's ability to gain and sustain market share profitably both domestically and internationally, educating Kansas wheat producers about profitable technologies and cooperating with the wheat supply chain in order to adopt and implement technologies and innovations that support the profitability of Kansas wheat producers.

Examples of projects funded through the Kansas Wheat Commission's two penny wheat assessment include new variety development, production. trait discovery and genetics, testing methods and procedures, value-added uses and consumer preferences. New this year, projects are being sought in the areas of development in winter durum wheat varieties and ancient grains, economic impact of implementation of posted protein scales for wheat by Kansas grain handlers, the use of gene editing for improved wheat varieties, improved procedures for industrial baking that allow for lower protein

wheat and/or less added gluten in formulas, feed use guidelines for cattle, swine, poultry, and other animals, and economic feasibility of a wheat flour mill in western Kansas.

This initial request is for preliminary two-page letters of intent that are due by November 30, 2017. These 2-page documents will be reviewed by the committee with invitations for full proposals announced by December 20, 2017. Final award announcements will be made in April 2018.

The full Call for Proposals is available at www. kswheat.com/research.

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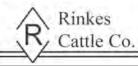
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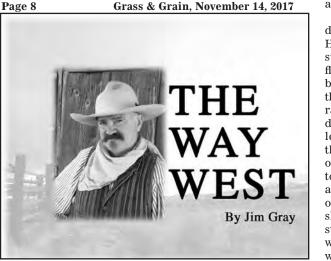
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Ride a Fast Horse

1892, dawned as a cold fall day in Ford County. Farmers were planting wheat in spite of ruinous prices for the abundance they had grown the previous season. East of Dodge City, in Spearville, most everyone was driven indoors except those who needed to be out of doors. Even so, three riders did not go unnoticed as they confidently rode in from the north around 2 p.m.

Like sports cars of today, one could not fail to notice the horses the strangers were riding. The first was described as a "rangy sorrel thoroughbred animal." The remaina dun, also "showed evidence of running stock." The three riders leisurely pulled up and dismounted in the street. Two of the men handed their reins to their comrade and briskly As they walked direct-

ly toward the Ford County Bank their partner continued down the street to the rear of the bank where he remounted. Inside one of the men approached the cashier's desk of J. R. Baird. The other posted himself before the unattended teller's window. Suddenly guns were drawn with the command to, "Throw up your hands

160± Acres IRRIGATED PRATT COUNTY LAND

MONDAY, NOVEMBER 27, 2017 — 1:30 PM Sale Site: Hamm Auction Center, 107 NE SR 61, Pratt KS Seller: Olin K. & Phyllis J. Bock Rev. Living Trust

Legal Desc: SE4 of 3-26-11 Pratt County KS. Land Located From Preston KS. 3 mi. North and 3 mi. East.

Land Desc: 160± acres of Irrigated land in Pratt Count Water Right: 40936, 140 acres Authorized; 210 ÁF, 800 GPM: System & Motor belong to the tenant, Buyer may purchase irrigation system from Tenant or it will be removed by

Earnest Money: \$20,000.00 Down Day of Sale. Balance at Closing. Mineral Rights: Seller reserves Mineral Rights. Disposal well goes with the property. Taxes: 2017 Taxes Paid by the Buyer; **Possession:** Following 2018 Wheat Harvest. Buyer to receive Seller's share of 2018 Wheat crop.

Title Insurance & Closing Agent Fee: 50% Buyer, 50% Seller, Pratt County Abstract. Closing: December, 29th, 2017:

Full Sale Bill Online at www.hammauction.com



620-450-7481 107 NE State Road 61, Pratt, KS 67124

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Cashier Baird instantly ducked behind his desk. He kept a shotgun for just such an occasion on the floor, Before Baird could bring his shotgun into play the tall outlaw grabbed the railing over the top of the desk and "with one mighty leap swung himself over the counter." Baird was overpowered and ordered to hand over all available cash, and he readily obeyed. However, Baird skillfully covered a large stash of gold and silver with loose papers which was missed by the robbers.

A party of local hunters had just returned from the countryside When they realized the bank was being robbed the hunters rushed for the guns they had left in their wagon. As the outlaws ran for their horses the hunters began firing. Some twenty shots were exchanged as the men mounted and raced south out of town. No one was

A total of \$1697 in cash was

Citizens quickly mounted and joined the pursuit. One rider got within range long enough to get off a shot or two but nothing was effective. The outlaws' horses were too fast and enduring for even the best of the citizen's horses. Soon the outlaws were far beyond the makeshift posse and safely across the state line into Indian Territory.

Ford County Sheriff Chalkley Beeson also led a posse from Dodge City but he too lost the trail. He returned to Dodge City but he was not done. Only a deputy U. S. Marshal could pursue into Indian Territory. Nevertheless, he sent postcards to every town and stop along various trails where the outlaws might have passed.

The men were described as one small dark-complexioned man with a very dark mustache and dark clothes, one medium-sized man, sandy complexioned with a short beard and light hair and clothes, and one dark man, twenty-five years old with a dark mustache. Sheriff Beeson reported that the

number of five-dollar bills issued by the First National Bank of Dodge City. Their fast horses were all described. "A reward of \$450 is offered." Beeson still did not

know that the three riders

were Bill Doolin, Bitter Creek Newsome, and Oliver "Ol" Yantis. They had at one time been associated with the famous Dalton Gang. The gang leaders Bob, Grat, and Emmett Dalton, along with Bill Powers and Dick Broadwell were shot to pieces at Coffeyville one month before on October 5, 1892. Only Emmett had survived. Some witnesses had seen a sixth rider with them before they entered the town. That rider was never identified, but many believed it had been Bill Doolin. Now Doolin was leading his own gang. Beeson received a letter from Stillwater on November 15th suggesting

that a man in the area, known to "consort with outlaws," fit the description of the small man with the dark mustache. He was living with his sister on a farm south of Stillwater, outside of the small town of Orlando. The Daltons had been known to hole up on the farm in the past. After an eyewitness identified Yantis, Sheriff Beeson enlisted Stillwater City Marshal Tom Hueston, his brother Hamilton, and constable John Cox, to capture the Oklahoma outlaw. Beeson caught Yantis as he walked out of the house in the early morning. Yantis was shot full of lead as he went for his gun. He died later that afternoon without giving up his companions. Doolin and Newsome were far away when their compatriot was killed. They would yet cut a desperate swath of lawlessness on The Way West.

"The Cowboy," Jim Gray is author of the book Desperate Seed: Ellsworth Kansas on the Violent Frontier, Executive Director of the National Drovers Hall of Fame. Contact Kansas Cowboy, P.O. Box 62, Ellsworth, KS 67439. Phone 785-531-2058 or kansascowboy@kans.com.

After harvest is good time for weed evaluation

By Jeri Geren, diversified agriculture and natural resources, Wildcat Extension District

As harvest season draws nearer to the end, most producers will be experiencing a big sigh of relief. Although this year's crops will soon be out of sight and out of mind, it is not too early to be thinking about next year. While driving through your fields, you probably made observations about weeds present at different locations. If you haven't done so already, now would be a good time to start jotting a few of your weed notes down so you will remember them for the next growing season. Note the exact location where weeds were observed, as well as more specific details such as what kind and how many were growing. This will better assist you in controlling the problem for next year. The weeds that were

noticed are most likely in areas where the crop canopy developed more slowly, and thus allowed the penetration of light necessary for weed establishment. Large weeds present at harvest can be an indication of weeds that have escaped and were not effectively controlled by your primary weed management program, and may indicate a need for change within your weed control program. Be sure to take special note of these areas because the large plants could have deposited a large number of seeds and serve as a persistent seed bank for future growing

If you have noticed consistent but limited weed populations present, it might be necessary to determine and consider weeds becoming herbicide resistant. Herbicide tolerance is often first noticed as a limited number of escapes in the field then that number progressively

causes of weed escapes other than herbicide resistance. Look for scattered large plants or small patches that were not controlled by your primary program. Dead weeds next to large thriving weeds provide even more evidence that resistance may be present. Take special note to monitor these areas closely the

Before assuming that all surviving weeds may have become herbicide resistant, it is important to also note other causes of the lack of control of weeds in a field. One cause of weed survival is the improper use of herbicides. In some cases, herbicide timing, application and the amount of product added have all contributed to a poor assassination of weed populations. Perennial plants are also often seen to re-emergence during several growing seasons. Take special note of the perennial weeds in the fields typically around field edges and in areas adjoining to another field. Getting a good idea of where these weeds persist can help you get the jump on them in the spring.

Whether there are surviving weeds due to herbicide issues, perennial plants or herbicide resistance in weeds, it is always a good idea to be a good record keeper. Solving these problems for the next growing seasons will be much easier accomplished when you know exactly where to pinpoint the

If you have questions or would like more information, please call me at the office (620) 331-2690 or email me at jlsigle@ksu. edu. To view this or any past articles or radio recordings from the Wildcat District Ag Agents, please visit the Wildcat Extension District website at www. wildcatdistrict.ksu.edu.



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Hunting season, school projects, holidays. Winter clothes, recipes, decora-

Thanksgiving.

Turkey, dressing, pies.

The scenario is the same all over the country. We all have our little unique twists, though.

Growing up in the Blue Ridge Mountains, November meant that the bare limbs of oaks, maples, blackgum, and were silhouetted against the sky. Apples filled the fruit stands, and walnuts. Tobacco had been cured and gone to market, the cash crop for a lot of folks in the mountains. The smoke from chimneys in the hollows was pressed to the ground by low, heavy clouds that might bring

Like so many families blessed with family and a family homeplace, we gathered at Granny's in a kitchen far too small for all the activity it contained. There were two stoves – a wood cookstove and an electric cookstove, and it took both of those to make the meals that would fill every inch of the table and the Hoosier cabinet, the warming drawers, and even the top of the washing machine on the porch. There were pumpkin pies, yes, but the sweet potato pie was the

iday. White sweet potatoes. not the orange yams familiar to most grocery shoppers, were grown by the acre on our farm, and held the flavor of the earth. After dinner (the noon

meal in the South), there were shotguns and bows, sometimes, target practice for deer season or just to split the air with the blasts and twangs. The women and children headed into the woods. We dragged feed sacks and went in search of greenery to begin decorating for Christmas. Mountain laurel (ivy, mountain folks called it), running cedar, white pine, galax leaves. mistletoe, some holly - so many plants in the mountains staved green over the winter that the woods were never entirely gray.

We worked off some of that Thanksgiving dinner and then we made our way home on paths worn by decades of footfalls. Back in the kitchen, our bags stuffed full on the porch. we took the sweet potato pie and cut another slice.

November.

Deb Goodrich is the cohost of the Around Kansas TV show and makes a pretty good sweet potato pie, though not as good as her Mama's. Reach out to her at author. debgood rich @gmail.

Agriculture education foundation now eligible for Thrivent Financial's Choice Dollars program

Kansas Foundation for Agriculture in the Classroom (KFAC) is announcing a new giving opportunity through a partnership with Thrivent Financial, a faith-based financial services organization. As part of Thrivent Financial's Thrivent Choice Dollars ® program, KFAC is now eligible to receive Choice Dollars® from Thrivent Financial's members who identify with KFAC's mission

"We are so pleased to now be considered a Thrivent Choice® organization," said Cathy Musick, KFAC executive director. "This is an exciting new avenue of giving for KFAC and we look forward to the partnership."

As eligible Thrivent Financial members direct Choice Dollars® to KFAC, funds will be used to support KFAC's mission of connecting classrooms to Kansas agriculture, specifically ongoing outreach to Kansas teachers, including professional development events and printing of lesson plans and resources.

"The potential impact this will have for our organization and Kansas teachers is great and exciting to think about," Musick said. "We are grateful for this opportu-

When asked why Thrivent partners with organizations like KFAC, Blaine Cash, a Thrivent Financial Associate based in Manhattan, referenced a passage in the Bible "The seed that fell on good soil represents those who truly hear and understand God's word and even produce a harvest of thirty, sixty, or even a hundred times as much as had been planted," Matthew 13:2-3. "I partner with organizations like KFAC because I feel

this is one of the many fields of good soil we have been entrusted to steward," Cash said. "It is my prayer that the work these teachers are sowing in their classrooms to educate their students will reap a harvest for future generations that we can't even fathom right now."

Members with eligible Choice Dollars® can contact Cash with questions or for more information on becoming a Thrivent Financial member at (785) 537-7969 or email blaine.cash@thrivent.com.

320± Acres Kiowa County Land & Office Building

WEDNESDAY, NOVEMBER 22, 2017 — 1:30 PM Sale Site: Mullinville School Gymnasium on Main Street Tract 1 Legal Desc: SW4 of 10-29-20 Kiowa Co. KS. Located: 4

mi. S. of Mullinville KS. & 1 mi. W. Land Desc: 159.47± acres of Cropland; Base Acres: 70.71± acres at 33 bu per acre: Sorghum 31.09± acres at 56 bu per acre. Possession of Tract 1 on Closing.

Tract 2 Legal: NW 4 of 10-29-20 Kiowa Co. KS. Located: 3
mi. S. of Mullinville KS. 1 mi. W. Desc: 118± acres of Cropland; 41.5± acres Pasture; Possession of Tract 2: Pasture on Closing; Cropland following 2018 Wheat Harvest; Base Acres: Wheat 52.33± acres at 33 bu per acre; Sorghum 22.97± acres at 56 bu per acre. The following terms apply to both Tracts 1 & 2

Mineral Rights: Mineral Rights Reserved by the Seller. Earnest Money: \$10,000.00 per Tract, Down Day of Sale; Balance at Closing. Taxes: 2017 taxes paid by Seller; Title Ins: 50% Buyer; 50% Seller, Pratt Co. Abstract; Closing Fee: 50% Buyer; 50% Seller; Closing: On or Before Dec. 29th, 2017. Tract 3 Legal: County Clerk Plat. PT N2 of 26-28-20, Tract 5,8,9 & N 50' of Tract 10 City of Mullinville KS. Kiowa Co. KS.

Also known as 213 Main Street. Desc: Formerly Haviland State Bank Office. Earnest Money: \$500.00 Down Day of Sale: Balance at Closing; Taxes: 2017 Taxes Paid by Seller; Title Ins. & Closing Fee: Split 50% Buyer, 50% Seller, Pratt Co. Abstract: Possession: On Closing. Closing: On or Before Dec. 29th, 2017

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John Hamm/Auctioneer

Great Plains Grazing to host 'New Insights Into Flash Droughts Across the United States' webinar

and development of drought conditions. These types of droughts can adversely affect vegetation health by quickly depleting root zone soil moisture and increasing moisture stress. Significant yield loss can occur in agricultural regions if a flash drought develops during sensitive stages in the growing season. Great Plains Grazing team members, Jordan Christian

and Jeffrey Basara, will present a free webinar, "New Insights Into Flash Droughts across the United States" at 1:30 p.m. Thursday, Nov. 16. The webinar is open to anyone interested in learning more about flash droughts. Specifically, webinar participants can expect to learn what defines a flash drought, hot spots for flash droughts in the United States, and characteristics of flash drought. Christian is a Ph.D. student working under Basara in

the School of Meterology at the University of Oklahoma. His dissertation work is focused on flash droughts, with

regional hot spots of flash droughts across the U.S.

Basara, who is an associate professor, serves as both the director of the Kessler Atmospheric and Ecological Research Station and the director of research at the Oklahoma Climatological Survey. His research focuses on the integration of our understanding across weather, climate, water, and ecosystems. A large component of his research program deals with hydrometeorology the study of the transfer of water and energy between the land surface and the atmosphere. This includes the physical processes which impact the development of the lower layer of the atmosphere; the development, validation, and improvement of weather prediction models; and severe weather, such as droughts and flash floods.

More information and registration is available at http://bit.lv/2hPA4ay...

Damage seen from Soybean "Dectes" Stem Borer larvae

Production Extension Agent, River Valley **Extension District**

It seems like if one thing goes right for crop growing conditions in Kansas. another issue is lurking, ready to jump out at and pounce on a producer's crop in a moment's notice. The issue we are going to be discussing today is lodging in soybeans resulting from the Soybean "Dectes" Stem Borer that has afflicted some parts of the River Valley District. In conjunction with some strong storms in October, a recipe for disaster had prevailed from the weakening of the sovbean stems from the Soybean "Dectes" Stem Borer larvae, resulting in severe cases of lodging in soybeans, laying them flat on the ground in some instances.

To start off with, it is important to understand the life stages of the Soybean "Dectes" Stem Borer. The main culprit for initiating damage is when the Soybean "Dectes" Stem Borer "Dectes texanus texanus" adult beetle chews into leaf petioles (the stem-like structure that attaches the leaf to the plant) and stems

her eggs. The eggs then hatch and start feasting in their new home primarily in soybean stems. If one suspects Soybean Stem Borer activity, there is one tell-tale sign that gives it away. The petiole and trifoliate (where the eggs were laid) will turn black and fall off then displaying the main identifier, a reddish scar, that develops around the entrance wound where they started boring into the soybean. These symptoms will typically occur around August and the larva of the stem borer will remain active until the latter part of September. This is the time frame when the Soybeans are most susceptible to

Furthermore, there are a few means to control Soybean "Dectes" Stem Borers. Although chemical control sounds good hypothetically, it would actually prove to be difficult to get a good control using chemicals because the larvae reside in the stem most of the time and rarely would come into contact with the insecticide after it had been sprayed. Chemical control, would

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AUCTION

FLINT HILLS GRASSLAND

WEDNESDAY, NOVEMBER 29, 2017 — 6:00 PM

AUCTION LOCATION: Florentine Masonic Lodge,

AUCTIONEER'S NOTE: What a great location just 1 mile off

of Hwy-77. One look and you can tell that the pasture has

been managed correctly as to stocking rate, brush control and fencing. If livestock is your passion then you will be ex-

cited about this Flint Hills Grassland! Come see for yourself,

LOCATION: One mile west of Florence, KS on Rd 120th. Prop-

BRIEF LEGAL: The South Half (S/2) of the Northwest Quarter

(NW/4) and the Southwest Quarter (SW/4) Less ROW all in Sec-

tion 2, Township 21 South, Range 4 East in Marion County, Kan-

2017 TAXES: \$634.54. MINERALS: Sellers minerals sell with the

property, there is no production. **DESCRIPTION:** What a nice Native Bluestem and mixed grass

pasture fenced into 2 pastures. The north pasture is approx. 130

acres and the south pasture is approx. 100 acres. The south pas-

ture is watered by a nice pond and the north pasture is watered

by 2 ponds and a windmill with 2 tanks. Both pastures are fenced

with barb wire, steel posts and steel comers. This pasture is easy

to manage with no livestock across the fence and good pipe pens to receive and ship from. The entry gate along Rd 120 is steel

This is one of the nicest Native pastures with fence, water and

REAL ESTATE TERMS: Earnest money deposit due day of auction at signing of contract made payable to Security 1st Title in the amount of

\$40,000.00 . Payment of approximately 50% payable at closing on or before December 28, 2017 and the balance due on January 2, 2018. Title

insurance fees and closing fees of the title co are split 50/50 between the buyer and seller. 2017 Real Estate Taxes will be paid by the seller who will

retain the 2017 income. The property is sold as is, in it's present condition, with no warranties or guarantees. You the buyer must rely on your has

peen gathered from Marion Co sources and is deemed reliable but is not guaranteed. All announcements made day of auction take precedence over

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to control the adult population of Soybean "Dectes" Stem Borer. The caveat is most of the time, symptoms go unnoticed until it is too late for control and lodging has already occurred.

Although chemical control would seem ideal, cultural control proves to be one of the best practices in prevention of the Stem Borer. Crop rotation is a great way to help prevent said infestations, since the adult beetles are not very good fliers and most problems occur on continuous soybean production in fields. Additionally, fall tillage proves to be very

Borer issues. Another way to help is to keep up on good weed management in fields; ragweed, cocklebur, and wild annual sunflower are also suitable.



SUNDAY, NOVEMBER 19, 2017 — 12:00 Noon

ABILENE, KANSAS AUCTION LOCATION: Abilene Civic Center, 201 NW 2nd

COLLECTOR COINS: 280 lots of US coins including Gold: 1851 \$1.00, 1911 \$2.50, 1905 S \$5.00, 1879 S Liberty \$5.00, 1880 \$10.00; Silver: over 130 silver dollars including 1881 CC MS 63, 1885 CC MS 63, 1899 MS 63, 1889 CC,1879 CC, 1880 CC, 1893 CC, plus 8 other CC Morgans; 1928 Peace Dollar XF, 1921 Peace dollar XF, 1895 O Morgan, 1893 O Morgan 1882, 1883, 1884 GSA Morgan dollars and BU sliver dollars; Abilene, KS tokens, set of Kookaburra silver 1997-2017, 90% silver, foreign coins, a set of silver eagles, Jackie Robinson silver dollar set; 1916 D walking half dollar. There are many other coins to be sold.

SELLER: DON ZUMBRUMM For pictures & complete listing go to: kansasauctions.net/reynolds

AUCTIONEERS NOTES: This is only a partial listing of the things that are to be liquidated.

TERMS & CONDITION: Cash or personal check with proper ID. All items must be paid for before removal. Statements made day of auction take precedence over printed material.

....ent Cashier: Diane Lykins ABILENE & CLAY CENTER RANDY REVIEW

79.60 ACRES LYON COUNTY AUCTION

GRASS, CRP INCOME, WILDLIFE & HUNTING

THURSDAY, NOVEMBER 30, 2017 — 6:00 PM

AUCTION LOCATION: Hartford Community Center, 117 Commercial St. — HARTFORD, KANSAS

Property Address: 100 Rd X Hartford, Ks 66854 Brief Legal: The S/2 of the NW/4 less R/W all in Section 33, Township 21 South, Range 13 E Lyon Co., Ks containing 79.60

Taxes: \$662.56. Minerals: Sellers mineral rights transfer to the

Directions: From Hartford Ks, south on Z Rd 7 miles to Rd 30, then west 2 miles to Rd X and 1.3 miles south on Rd X to the west side of property.

Description: Here's an 80 with a CRP contract dated Oct 1, 2011 to Sept 30, 2021. There is a yearly payment of \$3,445.00 or \$48.50 an acre on 70.53 Acres. The Buyer will receive 100% share. Want some established grass for grazing or hunting? This tract has just that. The native grasses of bluestem have been established for years. Some Sericea Lespedeza is in the pasture which provides for wildlife cover. Wildlife not your thing? This property can be easily sprayed to control the Sericea. More interested in row crop? Here is a tract with the terraces and conservation practices in place. All these are options as well as a possibility for a CRP program renewal if available.

There is very little timber on the property, yet enough to provide cover for deer and wildlife, approx. 9.37 Acres and a small pond. Lyon Co. has the cropland at 70.22 Acres with a variety of upland soils. The property is partially fenced and would need new fence on the east & west ends. The property is being sold with a hunting lease in place through December 5, 2017.

Here's an affordable size acreage with 4 years income guaranteed. Real Estate has been a good investment. This may be an opportunity to diversify with the stock market reaching an all time high. It may be a good time to put some of the stock market profits into real estate. Terms: Earnest money night of auction will be \$10,000.00 made payable to Moon Abstract and Title. Balance will be due at time of closing on or before

December 28, 2017 at which time buyer will receive appropriate Kansas Warranty Deed. Seller will pay all the 2017 real estate taxes and retain 2017 income. The Buyer shall accept the transfer of the CRP contract. Title insurance and fees of the title company shall be shared 50/50 between the seller and the buyer. All financing arrangements must be made prior to the auction. Earnest money deposits are nonrefundable with seller providing marketable title. All statements made day of auction take precedence over printed materials. All information has been gathered from Lyon Co sources and is deemed reliable but is not guaranteed.

Property of VIOLA R. WILSON REV. TRUST & LAWRENCE L. WILSON REV. TRUST

RICK GRIFFIN Broker/Auctioneer Cell: 620-343-0473

CHUCK MAGGARD

Kansas

Griffin

& Auction Service LC 305 Broadway Cottonwood Falls, KS 66845 Cell: 620-794-8824 Phone: 620-273-6421 • Fax: 620-273-6425

Toll Free: 1-866-273-6421 In Office: Nancy Griffin, Heidi Maggard Email: griffin123r@gmail.com www.GriffinRealEstateAuction.com

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Cottonwood Falls, KS 66845

www.GriffinRealEstateAuction.com

Sales/Auctioneer In Office: Nancy Griffin, Heidi Maggard Email: griffin123r@gmail.com

Grass & Grain, November 14, 2017

Swisher to retire from **K-State Research** and Extension

The public is invited to a retirement reception honoring Brian Swisher for over 40 years of service to K-State Research and Extension.

Plan to attend on Friday, Nov. 17, 2017, from 2-5 p.m. at the USDA Service Center meeting room at the Montgomery County Office, 410 Peter Pan Road,

For more information, contact Barbara Ames, Nutrition, Health & Food Safety Agent, bames@ksu.edu,

· December 8 in Wel-

The Kansas Sunflower Commission and the High Plains Sunflower Committee will be holding two informational meetings in December. The meetings are targeted at producers and agribusiness professionals seeking information about growing sunflowers. Two meetings are scheduled:

· December 7, 2017

in Salina, American Ag Credit Meeting Room, 925 W. Magnolia Rd, Salina, KS 67401 1:30 pm - 4:30

Sunflower Commission and High Plains Sunflower

Committee to hold December informational meetings

lington. Sumner County Extension Office, 320 N. Jefferson, Wellington, 67152, 9:30 a.m. - 12:30 p.m. Ron Meyer, agronomist

and extension agent with Colorado State Universiinformation for growing sunflower. His presentation will include fertility, weed and insect management and water use for full season and double-crop sunflowers. Dr. Meyer has been working with sunflower growers in the high plains regions for over 25 years. He will share his experiences

ty will present agronomic helping growers produce successful sunflower

Additional topics covered during the meeting included markets and marketing before harvest. sourcing seed and stor-

The meetings are free

of charge to the public. Refreshments will be pro-

Important trends examined in Census of Agriculture across the United States. years of age. Nonetheless. retired but continues to from \$1.7 billion to \$3.12 ed to changing consumer

By Jeri Geren. **Diversified Agriculture** and Natural Resources

It's hard to believe 100 years ago, few farms had electricity or running water and the average value of land in Kansas was \$35.45, according to the 1910 Census of Agriculture (which, by the way, was a 177 percent increase from the \$12.77 value in 1900). Agriculture has certainly changed in a century, but we can even see changes from one census to another. Every five vears, the Census of Agriculture sends out surveys to get a snapshot of farms As we anxiously await the results of the 2017 census, we can find several trends occurring in agriculture across the country by comparing recent reports. One trend that we have

continued to see for many vears is the decline in the number of U.S. farmers as well as the number of farms. In 1982, there were 2.48 million farms as compared to 2.11 million farms in 2012. Supporting these tendencies is the increase in the average age of the U.S. farmer. In 2012, the average farmer was 58.3 years old. In 1982, the average farmer was a mere 50.5

the average farm size has increased from 418 acres in 2007 to 434 acres in 2012. The 1910 census showed the average farm size as While we continue to

see a decline in the number of traditional farms and farmers, there have been increases in other areas of agriculture from 2007 to 2012. Young, beginning principal operators increased 11.3 percent. All categories of minority-operated farms also increased with Hispanic-operated farms increasing by 21 percent. In addition, organic sales have grown in September;

billion. Another area that has seen growth and changes is small family Small family farms now

account for 88 percent of all U.S. farms, 48 percent of farmland and 20 percent of sales. There are four types of operations categorized as a small family farm. Those include farms whose operator has a primary occupation other than farming, farms whose operator is primarily farming, but grosses less than \$150,000, farms that gross \$150,000 to \$349,000, and retirement farms where the principal operator is farm on a small scale. In 2012, small family farms accounted for 58 percent of direct-to-consumer sales such as farmers' markets, roadside stands and community supported agriculture (CSA) arrangements. They accounted for 17 percent of organic sales. These farms also held 40 percent of all U.S. cattle inventory and 89 percent of horse inventory. Only 16 percent of these farms depended upon the farm for the majority of their household income.

As a whole, U.S. agriculture is continually changing. Farmers have adapt-

beet continues to trend higher

demands, technology and equipment, to name a few. Today's farmers are resilient and determined to keep agriculture alive in their communities, states and country. The Census of Agriculture tells a story of how agriculture is changing. Although farming and ranching does not look the same as it did a hundred years ago, it has adapted to fit the needs of feeding a growing nation. For more information,

contact Jeri Geren, Diversified Agriculture and Natural Resources, jlsigle@ ksu.edu, (620) 331-2690.

U.S. pork exports steady

September pork export volume was steady with both the August and year-ago levels, while beef exports edged higher in volume and jumped substantially in value, according to statistics released by USDA and compiled by the U.S. Meat Export Federation (USMEF).

Pork exports totaled 183,481 metric tons (mt) in September, nearly identical to both the September 2016 and August 2017 volumes. September export value was \$503.8 million, up 3 percent year-overyear. Through the first three quarters of the year, pork exports were 8 percent ahead of last year's record pace at 1.79 million mt, while export value climbed 10 percent to \$4.71

September exports accounted for 23.6 percent of total pork production and 19.8 percent for muscle cuts only - both down slightly from a year ago For January through September, these ratios improved about one percentage point from a year ago to 26.5 percent of total production and 22.1 percent for muscle cuts. September export value averaged \$48.98 per head slaughtered, up 1 percent from a year ago. Through the first three quarters of the year, per-head export value was

Although lower than the previous month, September beef export volume improved 2 percent from a year ago to 103,552 mt. Export value topped \$600 million for the fourth consecutive month at

\$52.79, up 7 percent.

\$616.9 million, up 16 percent from a year ago. January-September volume was 926,985 mt, up 9 percent from the first three quarters of 2016, while export value was \$5.27 billion - up 16 percent yearover-year and 2 percent above of the record pace established in 2014.

Beef exports accounted for 12.5 percent of total production in September, down one percentage point from a year ago, but the percentage of muscle cuts exported increased from 10.2 percent last year to 10.4 percent. For January through September, beef exports accounted 12.8 percent of total production (down from 13.2 percent) and 10.1 percent for muscle cuts (steady with last year).

September beef export value averaged \$289.14 per head of fed slaughter, up 13 percent from a year ago. January-September export value averaged \$277.31 per head, up 10 percent.

Pork exports to Mexico soften in September, but remain on record pace

Pork exports to leading volume market Mexico edged modestly lower in September at 63,771 mt – down 4 percent from a year ago - while export value slipped 7 percent to \$122.1 million. But through the first three quarters of the year, exports to Mexico remained well ahead of last year's record volume pace at 585,998 mt (up 15 percent), while export value was up 18 percent to \$1.1 billion.

results were bolstered by

September pork export

year-over-year increases to South Korea, Canada, Central and South America, the ASEAN region and Taiwan, while export volumes trended lower to leading value market Japan, China/Hong Kong

and Australia. Market-spe-

Pork exports to South

cific highlights included:

Korea climbed 33 percent in volume (9,362 mt) and 27 percent in value (\$25.9 million) in September, pushing results through the first three quarters of the year up 27 percent (to 120,633 mt) and 31 percent (to \$330.9 million), respectively. Korea's pork consumption is on pace to set another new record this year, and U.S. pork fits Korean consumer demand for a wide array of con-

In Canada, September exports climbed 4 percent in volume (20,436 mt) and 9 percent in value (\$77.6 million), pushing January-September volume up 3 percent to 155,713 mt, while value was steady with last year at \$592.4

venience foods and home

meal replacement items.

Colombia fueled another strong month for U.S. pork in South America, where September volume was up 55 percent to 8,629 mt and value jumped 43 percent to \$21.6 million. Through September, exports were 90 percent ahead of last year's pace in volume (72,551 mt) and 91 percent higher in value (\$186.4 million). In leading market Colombia, domestic production has not kept pace with consumption growth and U.S. pork

has become a preferred ingredient for Colombia's production of processed pork items. Led by Honduras and

Guatemala, September pork exports to Central America increased 16 percent in volume (5,176 mt) and 15 percent in value (\$13.1 million). Through September, exports climbed 6 percent in volume (49,093 mt) and 8 percent in value (\$118.8 mil-A strong increase in

exports to the Philippines pushed September results for the ASEAN region up 33 percent in volume (4,910 mt) and 64 percent in value (\$17 million). January-September volume increased 24 percent to 35,194 mt while value jumped 38 percent to \$95.4 million. Despite trending lower

in September, pork exports to leading value market Japan remained steady with 2016 through the first three quarters of the year at 289,947 mt, while export value increased 3 percent to \$1.19 billion. Chilled pork exports were down 3 percent from a year ago in volume (158,962 mt) but increased 2 percent in value to \$750 million.

Exports to China/Hong Kong continue to reflect China's uptick in domestic pork production, as January-September exports declined 8 percent in volume (373,814 mt) and slipped 1 percent in value (\$781.1 million). But pork variety meat exports to the region remained strong in September, pushing the January-September results up 11 percent year-over-year

in volume (243,016 mt) and 22 percent in value (\$534.8

While September exports to Australia declined from a year ago, January-September volume was still up 5 percent to 50,478 mt while value climbed 11 percent to \$147.4 million

"The September export results really illustrate the importance of having a diverse range of pork export markets," said USMEF CEO Philip Seng. "Even with our three largest markets down year-over-year, volume kept pace with last year and value posted an increase. This is why it is so critical for USMEF to continue identifying and developing new markets for U.S. pork, especially in this time of very large production."

Beef exports higher to most regions, but hurricanes impact Caribbean demand Strong momentum for

U.S. beef continued in most Asian and Western Hemisphere markets in September, though exports faced some new headwinds. Exports to leading market Japan held up well in September despite Japan's recent duty rate increase (from 38.5 percent to 50 percent) on imports of frozen U.S. beef. September exports of frozen beef to Japan were up 44 percent from a year ago to 10.512 mt, while chilled exports increased 38 percent to 12,663 mt.

For January through September, exports to Japan increased 22 percent in volume (236,536 mt) and 30 percent in value (\$1.45 billion). This included a 42 percent increase in chilled beef exports (113,347 mt) valued at \$833 million (up 45 percent). Frozen beef was up 15.5 percent to 85,432 mt, valued at \$334 million (up 23 percent). "USMEF is pleased to

see solid demand continuing for U.S. beef in Japan, and this is a testament to the strong, well-established relationships with our loyal customers and the success of U.S. beef promotional campaigns in Japan," Seng said. "But the 11.5 percent duty rate increase needs to be closely monitored to ascertain where market dislocation will occur. We are watching this situation carefully and remain very concerned about the widening gap in duty rates between U.S. beef and Australian beef." Through the first three quarters of 2017, mar-

ket-specific highlights for Fueled by rapidly grow-

U.S. beef include: ing demand in South Korea's retail sector, export volume to Korea increased 7 percent from a year ago to 131,774 mt. Export value (\$856.9 million, up 20 percent) is on pace to easily break last year's record of \$1.06 billion. These totals

include an 85 percent increase in chilled beef exports (31,648 mt), valued at \$283 million (up 92 percent), as U.S. beef continues to gain market share in Korea. Taiwan is also an out-

standing destination for chilled U.S. beef, with the U.S. holding more than 70 percent of the chilled beef market. Through September, chilled exports to Taiwan were up 19 percent in volume (13,615 mt) and 24 percent in value (\$162 million). Total exports to Taiwan increased 9 percent in volume (32,894 mt) and 21 percent in value (\$297.5 Within North America, September beef exports

slowed slightly from a year ago in volume to both Mexico and Canada, but increased in value. Through September, exports to Mexico remained slightly ahead of last year's pace in volume (175,585 mt, up 1 percent) and slightly lower in value (\$726.9 million, down 1 percent). Exports to Canada were up 3 percent in volume (86,697 mt) and 6 percent in value

Strong growth in the Philippines, Indonesia and Vietnam pushed beef exports to the ASEAN region 68 percent ahead of last year's pace in volume (29,974 mt) and 53 percent higher in value (\$149.1 million). The region is especially strong for beef variety meat, with exports through September more than doubling from a year ago in both volume (8,535 mt, up 125 percent) and value (\$15.6 million, up 135 percent).

With hurricanes in-

flicting severe damage on several Caribbean islands, September beef exports to the region slipped dramatically from a year ago in both volume (1,653 mt, down 22 percent) and value (\$9.9 million, down 48 percent). Through September, exports to the Caribbean were still up 4 percent from a year ago in volume (17.759 mt), but value fell 6 percent to \$118.2 million. Lamb export volume slumps, but value moves

higher September exports of

U.S. lamb were just 572 mt, down 23 percent from a year ago, but value reached \$1.85 million - up 10 percent. For the first three quarters of the year, exports slipped 14 percent in volume (5,579 mt) but were also up 10 percent in value to \$14.7 million. The volume decline is due to slow demand for lamb variety meat, as muscle cut exports through September were up substantially in both volume (1,740, up 21 percent) and value (\$10.5 million, up 24 percent), including year-overyear increases to Mexico, the Caribbean, Canada, Central America and Tai-



Auction Sales Scheduled

Sealed Bid Auction -Bid accepted until Nov. 17 - 200 acres m/l Dickinson County land. www.farmersnational.com/FredOlson. Auctioneers: Farmers National Company.

November 13 — Vehicles, tractors & trailers, machinery & misc. at Dwight for Max Brown Estate. Auctioneers: Brown Real Estate & Auction Service, LLC.

November 14 — 307 acres m/l on Table Rock Creek, Lincoln County offered in 1 tract (creek bottom tillable, CRP, pasture, 2 ponds, wildlife habitat) held at Tescott for The Doug Gomel Family. Auctioneers: Horizon Farm & Ranch Realty, LLC., Ray

Swearingen. November 15 — Pawnee County, Nebraska land sold in 2 tracts held at Pawnee City, Nebraska for Rudy & Magdalena Borntrager. Auctioneers: Speckmann Realty & Auction Service, Inc.

November 16 — 40 acres with house & barn located minutes north of Eudora, east of Lawrence or west of Linwood. Auctioneers: Flory & Associates Realty & Auctions.

November 16 — Jewell County Real Real sold in 3 tracts held at Esbon for Betty Johanek Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

November 16 — 178 acres Chapman Creek farmland held at Abilene for Patricia S. Lemmon Estate. Auctioneers: Riordan Auction & Realty.

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

November 16 & November 18 — Pickup, furniture, household, appliances, store & office equipment. construction & repair supplies & much more held at Lyons for Rice Countv Habitat For Humanity Restore Liquidation. Auctioneers: Stroh's Real Estate & Auction, LLC.

November 18 — Coins at Herington. Auctioneers: Bob's Auction Service, Bob Kickhaefer.

November 18 — Coins at Portis for Steve Larson Estate. Auctioneers: Wolters Auction.

November 18 — 80 acres m/l of McPherson County land held at Moundridge for Geraldine Wedel Trust. Auctioneers: Van Schmidt

November 18 — 713 acres m/l Butler County, KS land, vehicles, mowers, UTV, ATVs, equipment, furniture, tools, appliances & household misc. held at Cassoday for Berta M. Botkin Trusts. Auction-

eers: Sundgren Realty Inc. November 18 — Tractors, trucks, pickups, farm equipment, mowers, ATVs, boat, shop & mechanic tools, trailer load of new "old" parts, collectibles, household & more near Galatia for Emil & Theresa Dietz. Auctioneers: Rohleder Auction & Realty.

November 18 — Vehicles, tractors & trailers, machinery, tools & misc. at Chapman for Billy Kind & Others. Auctioneers: Brown Real Estate & Auction Service, LLC.

November 18 — Vehicles, bulldozer & backhoe, tractors, combines & heads, skid loader & attachments, hay equipment, machinery, boat, trailers, household, shop & misc., livestock equipment at Mayetta for the late Russell Baxter & Marquita Baxter. Auctioneers: Harris Auction Service.

November 18 — Real Estate (west side ranch style home, 4BR, 2 BA, 3-car detached garage/ workshop), piano, organ, pool table, furniture, collectibles, motorcycle, shop tools & more at Manhattan for Deibler Estate. Auctioneers: Gannon Real Estate & Auctions.

November 18 — 567 acres in 4 tracts Washington County land held at Washington for The Heirs of Marvin & Viola Stigge. Auctioneers: Raymond Bott Realty & Auction.

November 18 — Ranchstyle home held at Clifton for the Betty Jackson Estate. Auctioneers: Raymond Bott Realty & Auc-

November 18 — Antiques, collectibles & household at Concordia for Judy Condray. Auctioneers: Thummel Real Estate & Auction, LLC.

November 18 — Lawn mowers, carpenter tools, antiques. gun-related items & household at Cuba for William (Bill) Baxa. Auctioneers: Novak Bros. & Gieber.

November 18 — 3 bedroom, 2 bath home in Manhattan. Auctioneers: Crossroads Real Estate & Auction, LLC.

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

November 19 — Gun auction ... 70+ guns, ammo & other related items at Lawson, Missouri. Auctioneers: Gary Ryther Auctioneers, Inc.

November 19 — Coins at Abilene. Auctioneers: Reynolds Auction Service.

November 20 - 356 acres m/l of Nemaha County farm & pasture land plus homestead to be offered in 4 tracts held at Seneca for Raymond & Dorothy Deters Estate. Auctioneers: Cline Realty & Auction, LLC.

November 22 - 320 acres m/l Kiowa County land & office building held at Mullinville. Auctioneers: Hamm Auction and Real Estate, LLC.

November 25 - Antiques, collectibles, appliances, household, tools, coins & more at Hunter for Betty Standley. Auctioneers: Meitler Auction Service.

November 25 — Consignment auction at Salina. Auctioneers: Wilson Auction & Realty Service.

November 27 — 160 acres m/l irrigated Pratt County land held at Pratt for Olin K. & Phyllis J. Bock Rev. Living Trust. Auctioneers: Hamm Auction & Real Estate.

November 27 — The NE 1/4, 9-5-1, Clifton township, 2/3 cropland, 1/3 excellent wildlife habitat held at Clifton. Auctioneers: Raymond Bott Realty & Auc-November 29 — 230.04

acres m/l Marion County Flint Hills grassland held at Florence for Gary W.

Hamm. Auctioneers: Griffin Real Estate & Auction Service, LC.

November 30 — 79.60 acres m/l Lyon County grass, CRP income, wildlife, hunting held at Hartford for property of Viola R. Wilson Rev. Trust & Lawrence L. Wilson Rev. Trust. Auctioneers: Griffin Real Estate & Auction Service, LC.

November 30 — Absolute real estate, 800 acres Jackson County, KS land held at Delia for Robert "Oscar" McCoy Estate. Auctioneers: Gannon Real Estate & Auctions

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

December 1 - 1.565acres of Butler County, KS Flint Hills Ranch land held at El Dorado for Flintstone Cattle Co., LLC. Auctioneers: Sundgren Realty, Inc.

December 2 - Beautiful home & buildings on approximately 5 acres held at Alma for Earl Ross Trust. Auctioneers: Gannon Real Estate & Auc-

December 2 — Hay auction held North of Manhattan for the Loren Deters Estate. Auctioneers: Cline Realty & Auction, LLC. December 2 — Trac-

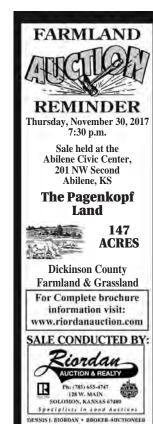
tor, machinery, household, tools, trucks, holiday decor, lots of misc. Northwest of Auburn for property of the late Charles & Nancy Koch. Auctioneers: Wischropp Auctions.

December 2 — Model Trains: train cars, engines, building & more at Salina. Auctioneers: Thummel Real Estate & Auction,

December 2 - 660 acres m/l Marshall County, KS land sold in 6 tracts in Bigelow & Wells Townships held at Frankfort for Mrs. (Richard) Mary Helen Howell Estate. Auctioneers: Donald Prell Realty & Auction, LLC.

December 2 — Chase County Home & Grasslands (sold in 2 tracts) held at Cottonwood Falls. Auctioneers: Griffin Real Estate & Auction Service,

December 3 — Guns



REAL ESTATE AUCTION SATURDAY, DECEMBER 2, 2017 — 11:00 AM 1215 OHIO STREET, ALMA, KANSAS BEAUTIFUL HOME AND BUILDINGS ON APPROXIMATELY 5 ACRES

This home is on a 5 Acre tract with 2 large Buyer to pay 10% down day of Auction with balance due on or before January 4, 2018. Cost of

60'X40' and 48'X40' buildings and a 12'X40' lean-to, both buildings have loft storage in them. The home has 2737 sq. ft. on the main floor with a full partially finished lower level with a walk-out patio door. The main floor has 2 bedrooms, 2 baths, living room, beautiful kitchen, formal dining room and large office or rec room, also a hot tub room. The lower level has a finished bedroom, bath, utility area and several walls framed in to be finished to your taste. There are 2 stairways (one spiral) to the lower level. The home has a fireplace and other extras. There is also a 1080 sq. ft. attached garage and a large carport (approximately 1800 sq. ft.). This is a must see home and acreage with nearly unlimited opportunities.

Title Insurance to be divided equally between Buyer & Seller. All inspection to be completed prior to Auction at Buver's expense if requested. The 2017 and prior years taxes to be paid by Seller. **STATEMENTS MADE DAY OF AUC-**TION TAKES PRECEDENCE OVER ANY OTH-ER INFORMATION. OPEN HOUSE Sunday, November 19, 2017,

Gannon Real Estate and Auctions 785-770-

1:00-3:00PM and Monday, November 20, 2017, 4:30PM-6:00PM or by appointment by contacting Vern Gannon Broker/Auctioneer,

EARL ROSS TRUST

GANNON REAL ESTATE & AUCTIONS VERN GANNON, BROKER/AUCTIONEER 785-770-0066 • MANHATTAN, KANSAS • 785-539-2316 www.gannonauctions.com

held at Salina for a private collector. Auctioneers: Thummel Real Estate & Auction, LLC.

December 5 — Tractors, trucks, car, machinery, trailers, cattle equipment & tools held just north of Hunter for Doug Greiner Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

December 7 — 240 acres in Woodson County, cattle starting/growing facility, barn, pens, bunks, processing equipment w/7 BR, 3 BA home held at Yates Center for Bert & Cathy Carlson. Auctioneers: Larry Marshall Auction & Realty.

December 9 — 135 acres m/l of Northern Nemaha County farmland, pastureland & wildlife habitat held at Seneca for Heirs of the Ambrose & Mary Ann Schmitz Estate. Auctioneers: Cline Realty & Auction, LLC.

December 9 - North of Waverly, KS. Tractors, Pickup, ATV's, Tools, Toys, Household, & Machinery for Duane & Veva Young Estate. Auctioneers: Wischropp Auctions

D e c e m b e r9 — Multi-Party Farm Auction with Semi Tractor. Tractors, Equipment, Grain Trucks, Trucks & Trailers, ATV & mower, Stationary engines-partsetc. Livestock & fencing equipment, Tools & shop items, and misc. items in Fairbury, NE. Auctioneers: Schultis & Son Real Estate & Auction Service.

December 14 — Real Estate (commercial building & undeveloped lot) & business merchandise (office equipment, shearing equipment, forklift, spinning wheels, fencing, inventory of new show, sheep and goat supplies & more) held at South Hutchinson for Mid-States Wool Growers. Auctioneers: Ruckert Realty & Auction.

December 16 — 281 acres Wabaunsee County native grass land held at Alma. Auctioneers: Murray Auction & Realty.

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

March 10, 2018 — Concordia Optimist Club Annual consignment auction held at Concordia. Auctioneers: Thummel Auc-

Grass & Grain, November 14, 2017 Page 11 Soil testing economics during times of low prices examined

By Josh Coltrain, Crop **Production and Local** Foods Agent, Wildcat

Extension District Fall is an excellent time to soil test, but with commodity prices where they are, logic may say that now is not the time to spend money for soil testing. However, research has shown that the economics of soil testing is actually better when crop prices are low.

When prices are low, all management decisions must be thoroughly scrutinized. Fertilizer input is one of the areas that producers have ultimate control over. With tight margins, over-applying an unneeded amount or under-applying a yield limiting amount could mean the difference between a profitable year, or the alternative.

Quite a few years ago, now former K-State Research and Extension Agricultural Economists Terry Kastens and Kevin Dhuyvetter simulated 10,000 projections to try and quantify the value of following the recommendations of an accurate soil test. Their results showed a conservative estimate of savings of \$4-5 per acre from an accurate soil test, which makes the minimal cost of soil testing definite-

ly justifiable. In fact, their projections showed that the economic return due to soil testing was greater when commodity prices are low. This was mainly due to the fact that the margin for potential returns is much tighter when grain prices

Soil testing offers producers one avenue in which to make educated decisions on soil fertility decisions. However, if producers utilize further options to refine their recommendations, their economic return could be even

For instance, estimating nutrient removal by previous crops can more accurately pinpoint the correct fertilizer rate. For example, this year's soybean crop has been quite good in our area. If the field averaged 60 bushels per acre, one could figure that for every bushel produced. soybeans remove 0.8 lbs. of phosphate or 48 lbs. per acre of this crop. For reference sake, corn removes 0.33 lbs. of phosphate per bushel and wheat remove 0.5 lbs. per bushel.

Additionally, if available, utilizing yield monitor data could help producers target areas of the field that may have less fertility due to being extremely productive over many years. In fact, utilizing many years of this data may actually provide the most accurate information for what are the true nutrient levels for the field. In addition, if produc-

ers want to compare soil tests from the same field over a given amount of time, the samples need to be taken at similar times of the year. Nutrient levels fluctuate throughout the year, so I recommend taking them after harvest in the late fall or early winter so that the samples can be correlated over time.

Rather than simply guess, it is highly recommended to soil sample, not only in the high profitability years, but especially during times of tighter margins. The Kansas State University Agronomy Department offers a soil testing lab on campus. In addition, there are independent labs that also offer soil testing services. For more information or if you have any questions, please call me at the office (620) 724-8233, or e-mail me at jcoltrain@ksu.edu, or visit the Wildcat Extension District website at www.wildcatdistrict.ksu.edu.

AUCTION

SATURDAY, NOVEMBER 18, 2017 — 10:00 AM Auction will be held in the National Guard Armory at the South edge of CONCORDIA, KS

ANTIQUES, COLLECTIBLES & HOUSEHOLD

Square oak table w/claw feet: 4 oak chairs; 1920's upholstered chair from Palmer House Hotel; oak dresser; curved glass china cabinet; cast iron banks; inc.: (Belliken,, US Mail, Abraham Lincoln log cabin, bank, buffalo, rhino, lama, cow, rabbit, Campbell kids, Mary & lamb, bear, donkey, elephant, Uncle Sam, other); horse cast iron bookends; ceramic banks; 25 Kewpie dolls inc.: bridal couple original dress; 75 Barbie dolls; large doll collection (Buddy Lee original cloths, Ef-

fenbee, Emmit Kelly, Rosie, Gerber, Dennis the Menace, Knickerbocker, Annie, Sandy, Raggedy Ann & Andy, Urkel, Mantel, Alvin, Ginny, Popeye, Northern tissue, Snow White 60th ann, Mae West, Jacki Kennedy, Eisenhower, Little Red Riding Hood, Erika Kaine, many others); Disney & Mickey Mouse (water sprinkler, 11Disney characters, Walt Disney World Millennium set, Disney train, dolls); Ertl toys; Betty Boop collection; Miss Piggy items; Garfield items; collection bears; assortment pictures; sterling coffee set; 12 place

die cast train; horse door stop; board games: assortment of other collectibles. Household: Queen sleeper; couch; recliner; entertainment center; 27" TV & DVE; microwave; coffee & end tables; wicker shelves; office chair; file cabinet; Hoover vacuum; table lamps; small kitchen appliances; pots, pans, cookware; assortment of

set Morning Star Communi-

ty flat ware; 25 Precious Moments; McDonald collectibles;

Punch & Judy card game; windup toys; Campbell soup

collectibles; Christmas items;

other items. Note: Judy has collected for many years. There are many nice antiques & collectibles. She is moving and downsizing. Check our web site for pictures at www.thummelauction.com.

JUDY CONDRAY

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

ABSOLUTE REAL ESTATE AUCTION THURSDAY, NOVEMBER 30, 2017 — 6:00 PM

DELIA COMMUNITY BUILDING — DELIA, KANSAS 800 ACRES JACKSON COUNTY, KANSAS tv Kansas, less road Right of Way (80 Acres). Land located approximately 7 miles North of De-

lia. Kansas and approximately 11 miles West of Mayetta, Kansas (located on E Road and 158 Road) TRACT I: SW 1/4 Section 15, Township 8, Range 13, East of the 6th PM Jackson County Kansas,

less road Right of Way (160 Acres). Approximately 50 Acres Farmland, 11 Acres CRP, 90 Acres pasture with good fence and water and 5 Acres hav ground, Located NE of intersection of 'E' Road and 166th Road. TRACT II: NW 1/4 Section 22, Township 8, Range 13 East of the 6th PM Jackson County

Kansas, less road Right of Way (160 Acres). Approximately 90 Acres Farmland balance pasture, waterways & old homestead. Located just South TRACT III: NE 1/4 Section 16, Township 8, Range 13 East of the 6th PM Jackson County Kansas

less road Right of Way (160 Acres). Approximately 91 Acres of farmland and approximately 42 Acres pasture with newer 6-wire fence balance roadway & hunting. Located SW of the intersection of 174 Road & 'E' Road. (corners with TRACT IV: East ½ NE ¼ Section 27, Township

8, Range 13 East of the 6th PM Jackson Coun-

Approximately 69 Acres of farmland and the balance in waterways. Located SW corner of 158 & 'F' Road. TRACT V: NW1/4 Section 26, Township 8,

Range 13 East of the 6th PM Jackson County Kansas less road Right of Way (160 Acres). Pasture with spring water & pond. Located SE of 158 Road & 'F' Road (across the road East of Tract IV). TRACT VI: East ½ NE ¼ Section 26, Township

8, Range 13 East of the 6th PM Jackson County Kansas less road Right of Way (80 Acres). All hay meadow with draw dividing the property. Located at the SW corner of 158 Road & 'G' road. TERMS: Buyer of each tract to pay 10% down

day of Auction with balance due on or before December 29, 2017. Taxes for 2017 and prior years to be paid by Sellers. Possession upon closing. All inspections to be completed prior to Auction at Buyer's expense if requested. **STATEMENTS** MADE DAY OF AUCTION TAKES PRECE-DENCE OVER ANY OTHER INFORMATION. Be ready to buy these farms as they are selling absolute to the highest bidder!

ROBERT "OSCAR" McCOY ESTATE

VERN GANNON, BROKER/AUCTIONEER

785-770-0066 • MANHATTAN, KANSAS • 785-539-2316

KENNETH HOUCK, EXECUTOR **GANNON REAL ESTATE & AUCTIONS**

www.gannonauctions.com ON THE EDGE OF COMMON SENSE

Cold Feet

Yer lookin' at a feller with no tennis shoes, a '76 GMC pickup, an outhouse and a learning permit for a cell phone. But! Lest you lump me into that group of stodgy ol' dinosaurs that cling to the days of Garth Brooks, pygmy Angus, and real spare tires... Let me assure you that I have stepped boldly into the modern world of manly

A constant recurring memory of workin' cows when I first started years ago was cold feet. Everybody wore their regular regulation cowboy boots with five-buckle overshoes. And everybody's feet got cold.

It was a common practice to scrape the snow and scatter straw around the chute where we were gonna be standin' all day.

We'd keep a pickup runnin' with bottles of Vitamin A on the dash defroster to alternate when the cold turned it thick as axle grease. We weren't above buil-

din' a fire near by to slip up to when our fingers turned to frozen hot dogs. I'd stand by the flame 'til the rubber on my overshoes started steamin' and my toes tingled. But today things are different. Cowboys have benefited from NASA and the Hi-Tech ski clothing industry. I go outside on a beautiful 20° mornin' and spend all day in my insulated coveralls and moon boots. Wonderful waterproof moon boots with hard rubber soles and hard rubber toes. Step on me, drop anvils on my feet, stand me in one place

for an hour and my toes are still toasty and safe. They are an invention as radical as round bales, insecticide ear tags and affirmative action.

Alas, Leroy was still stuck in the five-buckle Dark Ages that late November when he and Tom completed the last circle on Yankee Bill summit lookin' for stragglers. Four hours horseback in the Idaho Klondike had turned their feet to fudgesickles. They rode up to the last gate and Leroy dismounted to let 'em through. The latch post was buttressed with big rocks. When he undid the wire gate, a twenty-pounder slid off the pile and landed on Leroy's foot.

Never one to endure pain silently, he thrashed around and fell in the snow crying, broke! My toe's broke!"

"Take off yer quick," instructed Tom, 'Or it'll swell!"

"But it'll

whined Leroy. "It's that or gangrene,"

said Tom solemnly.

"I can't ride back to camp barefooted," he complained, "It's still a mile away.'

"Fill yer overshoe with snow and put it back on. It'll keep the swelling

down," suggested Tom. Leroy stood on one leg holding his manly footwear and looked up at Tom, who never cracked a smile.

When Leroy and Tom hit camp, we helped Leroy off his horse, drained the ice water out of his overshoe and took him inside. I don't know the medical terminology they used to describe the condition of his foot in those days, but we all agreed... it was blue. www.baxterblack.com

National DHIA offers \$1,500 scholarships to veterinary students National Dairy Herd Information Association (DHIA)

year college of veterinary medicine students. Applicants must be enrolled at a college that is accredited by the American Veterinary Medical Association Council on Education. Judges will evaluate applicants based on overall interest as a veterinarian planning to work in dairy, involvement in dairy medicine and extra-curricular ac-

is offering \$1,500 scholarships to third-year or fourth-

tivities, and interest in using dairy software and dairy records to aid in dairy management and in improving animal health. To apply for a National DHIA Scholarship for Veterinary Students, applicants must submit a letter of application and two reference letters. The letter of application requires applicants to submit information regarding their area of interest/specialty, academic background, experience using DHIA data, career plans, issues chal-

Holly Thompson, National DHIA scholarship chair, at hollyanne1001@gmail.com. Specific application requirements are posted on the National DHIA website. Applications are due Dec. 31, 2017. Recipients will be announced at the 2018 National

lenging dairy veterinary medicine and solutions to ad-

dress those challenges. For more information, contact

DHIA Annual Meeting on March 7, 2018, in San Antonio,

Perdue announces Farm Service Agency and Rural Development State Directors

U.S. Secretary of Agriculture Sonny Perdue has announced a slate of Farm Service Agency (FSA) and Rural Development (RD) State Directors, all serving as appointees of President Donald J. Trump. FSA State Directors help implement U.S. Department of Agriculture (USDA) policies in planning, organizing, and administering FSA programs in their respective states. They are also responsible for running the day-to-day activities of the state FSA office. Similarly, RD State Directors work to help improve the economy and quality of life in rural America.

"These state directors will help ensure that USDA is offering the best customer service to our farmers, ranchers, foresters, and agricultural producers across the country," Secretary Perdue said. "FSA and RD both play a critical role in helping the

people of agriculture, and are able to connect with people in their home states. They are the initial points of contact for millions of our USDA customers. Our goal is to help rural America prosper, and these state leaders will be of great assistance in that David Schemm was selected as the state director

for Kansas. He has served as President of the Kansas Association of Wheat Growers and President of National Association of Wheat Growers. Lynne Hinrichsen will serve as Rural Develop-

ment State Director. Hinrichsen joined the Kansas Department of Agriculture in 2013 as the Agribusiness Development Director. Prior to serving in the public sector, she worked in sales, marketing, advertising and human resource consulting.

1180@59.50

1085@59.00 1440@58.00

1238@58.00

1290@54.00

1220@54.00

1635@84.00

1790@81.00

2310@77.00 2045@76.00

Farmers & Ranchers

AUCTIONS EVERY MONDAY & THURSDAY

Selling Hogs & Cattle every Monday RECEIPTS FOR THE WEEK TOTALED 6,459 CATTLE AND 48 HOGS.

1300@61.00

1 blk

4 blk

4 blk

1 Chai

1 blk

14 mix

6 wht

2 wht 2 wht

2 wht

1 mix

4 mix

4 blk 3 red 3 blk

2 blk 12 red

6 blk 9 Char

9 mix

9 blk 13 red

9 bwf 15 mix

45 blk

3 blk 11 bwf

5 Char

15 blk 9 blk

10 blk

1 blk

6 blk

5 mix

23 blk 12 red

4 bwf 16 Char

14 blk

2 bwf 10 blk

10 blk

8 blk 17 Char

6 blk

\$204.00 - \$225.00

ueice	\$204.00 - \$225.00 \$186.00 - \$208.00 \$176.50 - \$190.00 \$159.00 - \$176.50 \$158.00 - \$172.50 \$155.00 - \$168.00 \$146.00 - \$160.00
	\$170.00 - \$184.00 \$169.00 - \$178.75 \$152.00 - \$167.50 \$150.00 - \$164.50 \$140.00 - \$154.50 \$133.00 - \$147.00
STEERS 8 blk Salina 381@204.00	
Salina Tescott Marquette Salina Smolan Wilson Assaria Tescott Lorraine Randall Smolan Glasco	381@204.00 424@202.00 431@201.00 488@192.00 524@190.00 510@185.00 552@183.00 552@181.00 550@176.50 602@176.50
	659@173.50 626@173.00
	645@173.00
	716@172.50
Lincoln	721@171.00
	Salina Tescott Marquette Salina Smolan Wilson Assaria Tescott Lorraine Randall Smolan Glasco Galva Wilson Lorraine Brookville

Lindsborg

Marquette

Smolan

Gypsum

Lindsborg Brookville Tescott

Abilene

Lindsboro

Brookville

Clyde McPherson

Valley Center

HEIFERS

Lincoln

Hope

Salina

Salina

Smolan

Smolan

Salina

Newton

Assaria

Galva

Tescott

Salina

Salina

Jim Crowther

785-254-7385

Roxbury, KS

Abilene Delphos

Delphica Beverly COWS

Minneapolis

Minneapolis Assaria

McPherson

Minneapolis

Lindsborg Whitewater

Whitewater

Ellsworth

176 blk

40 blk

5 blk

19 blk 83 blk

12 blk 22 blk

8 blk

10 mix

14 blk

9 mix 34 mix

14 mix

18 mix

59 mix

85 mix

5 blk

5 blk 16 mix

8 mix

43 blk

8 blk 31 blk

9 Char

5 mix

8 blk

8 mix 15 blk 7 mix 8 mix

63 mix

6 blk 13 blk

3 blk

27 blk

8 mix

50 blk

1 red

1 blk 1 red

1 blk

1 blk

721@171 00 796@170.35 692@170.00 725@168.50 615@168.50 892@168.00 604@167.50

649@167.50 640@167.00 814@166.25 804@165.75 781@165.50 754@165.00 758@164.00 875@162.75 963@160.00 455@175.00 447@174.00 428@174.00 370@172.00 425@171.00 572@166.50 614@161.50 634@160.75

9 blk 70 blk 646@160.50 6 blk 5 red 9 red

621@157.50 662@157.00 547@156.50 716@154.50 761@154.00 713@153.00 730@151.50 685@150.00 635@148.00 822@147.00 823@146.00 788@146.00 250@510.00/Hd 260@460.00/Hd 260@385.00/Hd 120@285.00/Hd

Bennington Wilson Minneapolis Gypsum Minneapolis Salina New Cambria
BULLS Assaria Hillsboro Lincoln Marquette Abilene

1920@76.00 1860@74.50 Hays 1470@73.50 **PIGS** 57@27.00 37@22.00 Hays Chase Formoso HOGS 33@21.00 205@55.00 Formoso 238@55.00 Formoso

Osborne 253@53.00 Hillsboro NIX Hillsboro 300@47.5 SPECIAL CALF SALE, Tuesday, Nov. 7: STEER CALVES Brookville 359@225.00 367@223.00 413@208.00 Gypsum

Sýľvan Grove 385@206.00 448@204.00 Victoria 403@198.00 Ada Rush Center 438@196.00 Hutchinson Smolan 464@195.00 498@190.00 512@185.00 Salina Gypsum 572@180.50 Lorraine Bennington Hutchinson 528@180.00 557@174.50 530@172.00 631@172.00 600@171.25 Salina Bennington 598@169.00 Rush Center 577@168.75 Lincoln Kanopolis Burrton 605@168.00 650@167.00 Ada Delphos Clifton 614@166.50 630@166.00 Hutchinson 538@164.50 Salina

690@159.00 **HEIFER CALVES** 383@184.00 Gvpsum 432@178.75 459@178.00 441@178.00 Salina 399@177.50 441@177.00 Salina Ada Kanopolis 456@176.50 Victoria 456@175.50 468@174.00 470@171.00 Sylvan Grove Victoria 485@169.00 500@167.50 517@167.00 617@164.50 516@164.00

11 red 4 blk 26 Char Hutchinson Ada 19 mix Gypsum 29 mix Gypsum 8 mix Sálina 611@163.00 Council Grove 480@159.00 2 Char Beverly 21 blk 13 mix 503@159.00 609@158.50 Victoria Kanopolis Beverly 4 Char 574@158.00 1325@64.00 Lincoln 80 blk 578@157.00 **IN STOCK TODAY:**

Heavy Duty Round Bale Feeders 6'8" X 24' GOOSENECK STOCK TRAILER METAL TOP

6'8" X 24' GOOSENECK STOCK TRAILER

• 6'8" X 24' GR Stock Trailer Metal Top

CALVES

EARLY CONSIGNMENTS FOR THURSDAY, NOVEMBER 16, 2017: 130 Mostly blk strs and hfrs, Fall Vacc., Weaned 45 days, 600 lbs; 125 blk strs and hfrs, Home

Raised, Fall Vacc, 550-650 lbs; 90 strs and hfrs, blk and BWF, Fall Vacc, 500-650 lbs; 73 blk strs, Weaned 45+ Days, Vacc, Home Raised, 750-900 lbs; 70 blk hfrs, Weaned 45+ days, Vacc, Home Raised, Open, 650-800 lbs; 110 blk, Red, and CharX strs and hfrs, 525-650 lbs; 30 strs and hfrs, blk, Long time weaned, Vacc., Off Grass, 700 lbs; 400 blk strs and hfrs, 750-900 lbs; 77 Angus strs and hfrs, Fall Vacc, 500-650 lbs; 40 strs and hfrs, Home Raised, Fall Vacc, Knife Cut, 550-650 lbs; 16 strs and hfrs, off the cow, 525-650 lbs.

Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211

MONDAY — HOGS & CATTLE

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

THURSDAY — CATTLE ONLY

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

— AUCTIONEERS —

KYLE ELWOOD, ANDREW SYLVESTER & GARREN WALROD

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

SPECIAL COW SALES Tuesday, November 21

Tuesday, December 19 Tuesday, January 16 * Buffalo Sale: Saturday, December 2 SPECIAL Weaned/Vacc CALF SALES

Tuesday, December 5 Tuesday, January 2 Tuesday, February 6

Starting November 1st: Farmers & Ranchers has switched to LMA Online Auctions Go to LMAAuctions.com



If you were an approved bidder on Cattle USA, your account has been switched over, please log in using the same email and password. If you were just a user watching on the internet, not approved to bid, you will have to create a new user account to watch online at LMAAuctions.com Having Trouble Logging in or Still Have Questions? Please call 1 (800) 821-2048

EARLY CONSIGNMENTS FOR SPECIAL COW SALE, NOVEMBER 21: Gardiner Influence Special Online Sale Starting at 10 a.m. Regular Special Cow Sale to follow. Bred hfrs- 12 Sim/Ang hfrs, Fancy, Bred Angus, Start calving Feb. 7th for 50 days; 250 blk hfrs, Montana Origin, OCHV'd, Bred to LBW Angus Bulls, Start Jan 25 for 50 days, Fancy and Gentle,

75 blk hfrs bred to a LBW blk Bull, Spring Calvers; 69 blk/BB/BWF hfrs, OCHV'D, poured Nov. 4th, One Round Vet Certified Scour Guard, Bred to start calving Feb 7th to Neg. BW EPD Reg. blk Angus sons of TenX and Full Throttle w/YW Epd's of 105 and 108; 55 blk hfrs, OCHV'D, 1100#+, bred to LBW Angus, Start Jan 20th for 65 days, Scour Guard; 78 blk hfrs, Leachman Influence, Bred to Leachman LBW blk Bulls, Scourguard, 50 Day Calving Period; 30 blk Angus hfrs, Bred to McCurry Angus LBW Bulls or Don Johnson LBW Angus Bulls, Start Jan 25th, Scourguard vacc. 19 Red Angus hfrs, Home Raised; Bulls- 2 blk Balancer EPD's, Semen and Trich Checked, 2 yrs old; 2 Angus Bulls, 12 and 18 Months, Semen and Trich Checked, By Ohlde Genetics, and Homer Bulls; 20 Angus Bulls, Gardiner Genetics, 18-24 Months, Semen Checked, Top Notch Set; Cows-140 blk/BWF, Red Angus Cows, 3-5 Yrs Old, Bred blk and Char; 15/15 blk 3-5 year old pairs; 175 3 Yr Old, Bred blk Angus, Sons of Apex Windy, Start Feb 26 for 70 days; 100 4-5 yr. old blk and Red, Bred blk, Spring Calvers; 20/20 4 and 5 year old black and red pairs; 40 blk and Red Angus Cows, 3-5 years old, Bred blk; 15/15 blk Fall Pairs, 3-6 yrs old; 60 4-5 year old cows, spring bred to black bulls, 1/10 4-5 yr old black and red pairs; 40 blk Cows, 3-5 Years old, Bred blk; 15 blk Cows, 3-5 years old, spring bred blk and Char; 15 blk older cows, spring bred blk and Char; 12 blk Cows, 6-8 yr. olds, Bred blk, Feb. Calvers; 100 blk/BWF/Red Cows, Bred blk, Mostly Spring Calvers; 15 Spring Bred cows, 3 yrs old, 13 fall pairs/breds, 3 yrs old, North Dakota Origin, Vacc. and worked; 25 Running age bred cows, bred to blk LBW Bulls; 20/20 Solid Pairs; 40 blk Cows, 3-8 yrs old, bred black, March 1st Calvers; 20 blk Cows, 3-4 Years old, Angus Bred; Also on November 21st: Complete Dispersal for D&R Cattle LLC- blk Cows, Bred to River Bend Angus Bulls, Feb-April Calvers, 334 Head Total: 91 2nd Calf, Home Raised, 140 3rd Calf, Off hfr or Unger Ranch as hfrs.103 5-6 yr olds and solid older, home raised, off Pitchfork or 3E Cattle EARLY CONSIGNMENTS FOR TUESDAY, DECEMBER 5 Special Weaned/Vacc. Sale

9 strs and hfrs 700-750 lbs; 18 strs and hfrs, blk, Angus Source, 600-700 lbs; 22 blk strs and hfrs, 600 lbs; 17 strs and hfrs, 600-700 lbs; 80 blk strs and hfrs, Home Raised, Hot Wire Broke, 400-500 lbs; 20 strs, Weaned and Vacc, 600-700 lbs; 50 strs and hfrs, blk/BWF, Weaned, Vacc, Home Raised, 500-600 lbs; 40 Red and blk Angus strs and hfrs, Home Raised, 550-650 lbs; 40 strs and hfrs, 2nd Round Vacc, WF/BWF, and RWF, 500-600 lbs; 220 strs and hfrs, 600-700 lbs; 240 blk strs and hfrs 600-800 lbs; 60 blk/BWF, strs and hfrs, Home Raised, No implants, 550-650 lbs; 35 blk strs, 600-700 lbs; 55 Char/Ang. Steer and hfrs, off rye, 600-700 lbs; 75 strs and hfrs, 600-800 lbs; 100 blk strs and hfrs, 600-700 lbs; 70 strs and hfrs, blk/BWF, Weaned 50 Days, Wormed, strs implanted, 2nd Round Vacc, 600 lbs; 14 strs and hfrs, blk, Weaned 45 days, 2nd Round Vacc, Bunk Broke, Poured, 600-700 lbs; 37 strs and hfrs, blk 550-600 lbs; 19 strs and hfrs, blk 650 lbs; 8 strs and hfrs, blk, 650 lbs; 40 strs and hfrs, blk/BWF, weaned 35 days, 600-800 lbs; 40 strs and hfrs, blk and Bwf, Weaned 35 Days 600-800 lbs; 30 strs and hfrs, Home Raised, weaned 90 days; 150 strs and hfrs, Weaned 60 Plus Days, Home Raised, 575-650 lbs; 118 blk strs, 550-700 lbs; 120 blk strs, 550-700 lbs; 25 strs and hfrs, Weaned and Vacc Oct 6th, 400-550 lbs; 43 strs and hfrs, blk, Home Raised, 600-700 lbs; 100 strs and Heifer, Mostly blk, Weaned, Vacc. 500-700 lbs; 50 hfrs, weaned, 500-600 lbs; 60 strs and hfrs 400-750 lbs; 100 strs and hfrs, blk, Weaned 45 days, Vacc. 600 lbs; 80 strs and hfrs, blk, weaned 45 days, vacc, 550-650 lbs; 40 strs, Red Angus Sired, weaned 45 days, vacc, no implants 600-700 lbs; 35 Red Angus strs, Home Raised, 600 lbs;

EARLY CONSIGNMENTS FOR THURSDAY DECEMBER 7th: 60 Mostly strs, Home Raised, Long time Weaned, Vacc. 700-750 lbs; 80 blk and BWF strs and

hfrs, Home Raised, Weaned and Vacc, 550-700 lbs.

For Information or estimates, contact:

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

Cody Schafer 620-381-1050 620-553-2351 Ellsworth, KS Durham, KS

785-658-7386 Lincoln, KS Cattle Sale Broadcast Live on LMAAuctions.com

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

www.fandrlive.com Austin Rathbun

Check our listings each week on our website at



785-531-0042 Ellsworth, KS

1150 KSAL, Salina 6:45 AM -MON.FRI * 880 KRVN 8:40 AM - WED.-THURS. *550AM KFRM - 8:00 am, Wed.-Thurs.