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Thomson discusses public perception of livestock industry at Kansas Elite Stockmen's Series

By Donna Sullivan, **Editor**

the long-awaited spring season was just getting under way, Kansas State Research and Extension and Merck Animal Health hosted their Kansas Elite Stockmen's Series, featuring Dr. Tom Park of Merck, as well as Dr. A.J. Tarphoff and Dr. Dan Thomson of KSU. Herd health, parasite management and industry trends were the topics of the day, which also featured a steak lunch for attendees.

Thomson discussed how the livestock industry can and should respond to the challenges it faces in communicating with a consumer base that is far removed from how their food is pro-

"The reason we have a lot of the problems we do in this country is that we can afford it. We're spoiled," he said. He went on to describe many of the other countries he's worked with that are Third World or developing nations. "When they get paid, the first thing they say is, "I want to eat. Money equals food, poverty equals starvation. The person whose belly is halffull has many problems and the person who is starving has but one."

He reminded the audience that they don't just feed the rich, provide for export markets or put things on the menus of white tablecloth restaurants. "We are a staple food," he said. "Ground beef is the number three purchase with food stamps in the United States. I think it's vitally important for us when we start to talk to legislators and animal rights and environmental activists, that they understand that when we make changes that increase the price of food without increases in income, we're going to drive poverty up." Among the hot button

issues surrounding beef production, Thomson believes the term "sustainability" is one of the more widely misunderstood among consumers. "When everyone starts to think about sustainability, we think it means that we are just going to protect the environment, and that's just not true," he emphasized. Factors such as profitability also determine sustainability. "What restaurant groups and others are trying to understand today is, who is doing the right practices in their beef operations so that fifty years from now I can make some sort of algorithm or prediction of which beef operations are going to grow and still be in business because they're doing the right things, or which ones are going to be bought up by the ones that

Animal welfare is another topic that, while widely discussed, is also surrounded by a degree of ambiguity. "You'll ask six different people and get six different answers," Thomson said. "But the thing that we need to understand as a beef industry is that the consumer thinks that a

are doing the right things?"



Dr. Dan Thomson was one of the speakers for the Kansas Elite Stockmen's Series, shown here at the Manhattan session, sponsored by K-State Research and Extension and Troy Warnken of Merck Animal Health. Photo by Donna Sullivan

safe food product comes from a healthy animal and a healthy animal is one that had good animal welfare."

He expects to see restaurant groups demand more audits of farms and ranches as they receive increased pressure from animal rights groups and others, adding that many of those groups are in a campaign to decrease the level of public trust and in turn lower the consumption of meat. "Steven Covey, Jr. wrote that when trust erodes, the speed of business slows down and the cost of business goes up," Thomson said. By increasing the cost of production, the cost of meat will also go up, causing consumption to go down.

Thomson believes the industry should never settle for doing just enough to get by or pass the audits. "We don't set the bar high enough," he asserted. "We need to continue to move it up." Steps he believes producers can take to improve their protocols include early castration and de-budding of horns. "If you're going to put a tag in a calf's ear after you've let it have colostrum, can you not reach down and feel if there's a bud there? Use a little de-budder and they're gone." As for castration, he said that some commercial operations leave the calves intact under the belief that doing so will help them weigh more at weaning. "But I've got four studies that will show you that those calves that are left intact weigh the same as the ones that are castratsaid. "But when I get them in a feed yard, I'll have 150% the morbidity rate and 150% the death loss in calves that are intact when they get there."

Acclimation in cattle handling is something Thomson believes is important, but becoming less common. He said that a sale barn owner told him recently that the cattle seem to be getting wilder every year, and Thomson believes it is due to the fact they are not handled the way they used to be - from the way we feed them to the way they are doctored. "We hook on and grab a bale and we get out just long enough to cut the bale wrap off and we unroll the bale," he described. "Or we have fence line feed bunks, we pull up in the tractor with the cab

and we don't get off. The cattle don't know there's a person in there, they just see the feed coming." And while he understands the ease and convenience of using dart guns, he also sees the effect they have on the cattle. "A guy pulls through the cattle gate and the cattle are like deer, they're gone," he described.

Heat stress is another factor that needs to be considered, from shade in the dry lots and mounds for the cattle to climb and get a breeze, to putting bedding down on the hot dirt for the cattle to lie on. "The first thing cattle do when it gets hot is they stand up," stated Thomson. "And a bare dirt floor on a 97-degree day is 140 degrees. The cattle won't lie there." He also cautions producers to be aware of night-time temperatures and if they are cooling enough for cattle to disseminate their heat loads.

He is also a firm believer in pre-conditioning calves. "Do these three things, early debudding and castration and preconditioning for increased animal welfare, decreased antibiotic use," he said. "Pick the social topic you want, pre-conditioning fits."

"At the end of the day, we've got to get veterinarians involved, we've got to have preventative medicine," Thomson concluded. "We have to have continuous improvement and we have to continue to lead by caring as much about others as we do ourselves."

ed in the first week," he i ne centerpiece Avenue becomes a home

By Amy Feigley

as most boys his age would do. While they dreamed of being a baseball player or fireman when they grew up, Randy dreamed of something different. His dream involved turning the beautiful stone barn on his parents, Melvin and Rose Ann's property, into a home when he was older. This is a daydream that became a reality for Randy and his wife, Katie.

In April 2006, Randy and Katie Purdue purchased the barn, which is situated east of Abilene on 2200 Avenue, along with the buildings that surround it. For a time, the family lived in a modular home

When Randy Purdue Randy still held that dream would often daydream, just mere nine years old. Once the couple started talking about possibly moving a Wardcraft home onto their property, that is when the idea hit Randy, why not just turn the stone barn into their permanent home? Katie did not hold the same enthusiasm about this idea as her husband did, but eventually she jumped on the bandwagon and that is when this adventure began.

Back in the beginning in Ethel's time

In the early 1940s, Ethel Startzman had a vision for a beautiful barn, one like no other. The land that this future barn would call home had been in Ethel's family since 1919, when her father, Samuel B. Newland, a prominent stockman and farmer, purchased it from Albert Martin. After spending many years working on the farm, Ethel was finally able to call it her own in November 1952.

Ethel hired Swedish stonemason brothers Arthur and Herman Anderson. The brothers were responsible for building the foundry in Enterprise. Their work was impeccable and she knew with the brothers in charge of the building of the barn, she would have the best in the county. There was not a single drop of disappointment as far as Ethel was concerned. And, in the end,

the best is what she had. Beginning this project in

located on the property. 1943, during the middle of World War II, and putting was in the third grade, he that he had when he was a the final touches on it two years later in 1945, Ethel's dream barn was now the centerpiece of 2200 Avenue. Stone for the barn came from the Peter Jackson farm east of Enterprise, as well as the Christian Hoffman Flour Mill in Enterprise. The mill, which was a monetary staple in the Enterprise community for years, was razed in 1943.

"The foundation and beams came from the foundation in Enterprise" happily exclaims Katie. The beams and stones are well over one hundred years old and they have definitely held up to their end of the bargain. The history that this barn holds is like no other. The stone is exposed at the end of the hallway in the living quarters.

At the completion of the barn, Ethel, along with her hired hand, Homer Stewart, built stairs on the inside south wall. These stairs were six to eight feet wide and worked perfect when Homer and Ethel would drive cattle on them. There was a landing about halfway up as well. When the flood of 1951 reared its ugly head, the water ran over the brick wall, also constructed by the Anderson brothers, but did no damage to the barn.

In 1971 Ethel passed away. Her daughter, Cleta, became the next owner of

Cont. on page 3



In 1943, the beautiful stone barn was starting to become a reality for Ethel Startzman. After two years, the completion of this centerpiece of 2200 Avenue was finalized. Randy and Katie Purdue recently turned it into their home. After seventy-four years, this barn still holds the same amount of love and history as it did in the beginning.



A stone marker on the farm pays tribute to Ethel Startzman, whose vision and attention to detail paved the way for the stone barn that is now called home by the Purdue family.



Kids These Days

Kim Baldwin, McPherson **County farmer**

Kids today sometimes get the raw end of society. From time to time, I'll read an article focusing on what's wrong with them or overhear a conversation over coffee focusing on the problems with kids

Don't be fooled — there's still plenty of good out there! I was recently privy to observing a group of teens band together and make a positive

General Mills recently an-

nounced its commitment to

advance regenerative agricul-

ture practices on one million

acres of farmland by 2030.

The company will partner

with organic and conventional

farmers, suppliers and trusted

farm advisors in key growing

regions to drive the adoption

of regenerative agriculture

practices. A contributor to cli-

mate change, it is estimated

that the global food system ac-

counts for roughly one-third of

greenhouse gas (GHG) emis-

sions and 70 percent of water

families for over 150 years

and we need a strong planet

to enable us to feed families

for the next 150 years," said

Jeff Harmening, chairman

and chief executive officer of

General Mills. "We recognize

that our biggest opportunity to

drive positive impact for the

"We have been feeding

consumption.

difference in the world by helping their neighbors because of the action of one. It is yet another testament proving there are great kids in the world. It just so happens these great kids come from my community in rural Kansas.

It all began when Makayla Schroeder, an 18-year-old high school senior, recognized a need and made the conscious decision to take action. She had been following reports of devastation in Nebraska so

planet we all share lies within

our own supply chain, and by

being a catalyst to bring peo-

ple together to drive broader

adoption of regenerative agri-

a holistic method of farming

deploying practices designed

to protect and intentionally en-

hance natural resources and

farming communities. These

practices focus on pulling car-

bon from the air and storing it

in the soil in addition to help-

ing the land be more resilient

to extreme weather events.

General Mills will partner with

key suppliers to drive adoption

across key ingredients includ-

ing oats, wheat, corn, dairy

ing and education academies

will focus on North Ameri-

can growers where we source

high-quality oats for Cheerios,

Annie's, Cascadian Farm, Na-

"Our first on-farm train-

feed and sugar beets.

Regenerative agriculture is

culture practices."

many are experiencing following the recent floods. She wanted to pack a bag, jump in her truck and go help, but knew she had to be in school. She has less than a month until she graduates, and final exams are right around the corner.

Instead, what this young lady from central Kansas did opened the eyes of our small community and surrounding areas, left an imprint on her peers and spurred people to

Since she couldn't pack her bags and go to Nebraska to help for an extended period of time, she decided to begin gathering items to assist flood victims here at home. She called her effort "Operation Feed the Critters." She got her school advisers General Mills to advance regenerative agriculture

of North American Retail for

\$650,000 to non-profit orga-

nization Kiss the Ground to

support farmer training and

coaching through Soil Health

Academies where growers

will learn how to increase farm

profitability, build resiliency

into the land and decrease

input costs using soil health

and regenerating our soils has

numerous benefits including

water infiltration, reduced pest

pressure, resilience to unpre-

dictable weather, and reducing

greenhouse gases," said Lau-

ren Tucker, executive director

of Kiss the Ground. "We have

an opportunity to not just sus-

tain our natural resources, but

to restore them for generations

to come. We can only advance

"Investing in soil health

General Mills is granting

General Mills.

practices.

onboard, rallied her friends in the local FFA chapter, made phone calls, used social media and made things happen.

It began as a post on her FFA chapter's Facebook page letting the community know their ag shop was a collection point for Nebraska flood relief items. Her initial plan was to collect enough items to fill a pickup truck to deliver at a distribution point on a Saturday. However, a few days into "Operation Feed the Critters," Makayla realized she would need a bigger truck.

Bags of dog food, bales of hay, milk replacer, work gloves, pallets of range cubes and other items started streaming in.

Area businesses, FFA chapters and others through-

the adoption of these practices that benefit people and the planet if we partner with and

The announcement builds upon the company's commitment to improve soil health and to reduce its absolute GHG emissions by 28 percent across its full value chain by 2025. General Mills reported it is nearly halfway to that goal, with its GHG emissions footprint down 13 percent in

Cheddar. Cascadian Farm, in

partnership with The Land

Critters" drive. Soon, Makayla started making calls to secure a trac-After a week, she needed a second semi. So far, Makavla has helped send three truckloads of supplies to flood victims. All because of the initial action one Kansas teen. Many people were involved in collecting items, loading the donations, spreading the word, and driving the semis. All of this happened

out south-central Kansas

began collecting items from

their staffs and communities

and made trips to our small

school to deliver their dona-

tions. Area stores even began

offering discounts on items

that were to be donated direct-

ly to the "Operation Feed the

practices on one million acres of farmland by 2030 Institute, is working to combiodiversity and regulating the climate. sity: Diversity in crop varieties, grazing animals, wildlife and pollinators supports resilient ecosystems that can better withstand disease, pests and

> climate fluctuations. Farmer Economic Resilience: Regenerative agriculture practices can strengthen whole farm profitability and resilience over time.

because of one individual who

saw an immediate need and

wanted to make a difference

Simply put, she acted. The true beauty of it all

was the ripple effect that

took place when other teens

jumped in to join their friend

the power of one person's ac-

tions can do to make positive

change. It's even more amaz-

ing when those good things

are done by kids these days.

umn published by Kansas

Farm Bureau, the state's larg-

est farm organization whose

mission is to strengthen agri-

culture and the lives of Kan-

sans through advocacy, edu-

Above-Ground Biodiver-

cation and service.

"Insight" is a weekly col-

It's amazing to see what

in serving others.

by helping her neighbors.

Healthy soil is the foundation for regenerative agriculture and since 2015, the company has invested more than \$4 million to advance soil health initiatives. Previous and ongoing examples of General

Mills' work include: Development of The Soil Health Roadmap in partnership with The Nature Conservancy, which outlines key steps to achieve widespread adoption of soil health systems on more than 50 percent of U.S. cropland by 2025. These efforts could deliver \$50 billion in societal benefits annually.

Development of a Regenerative Agriculture Self-Assessment tool to help farmers understand how their practices influence soil health, biodiversity and economic resilience.

A strategic sourcing agreement with Gunsmoke Farms LLC to convert 34,000 acres of conventional farmland in South Dakota to certified organic acreage, using regenerative agriculture practices, by 2020.

"We need companies like General Mills who have the scale and commitment to create sustainable agricultural systems," said Larry Clemens, North America Region Agriculture Director for The Nature Conservancy. to improve soil health and enrich biodiversity are critical to addressing climate change and other environmental challenges.'

ture Valley and Blue Buffalo," said Jon Nudi, president

support our farmers."

2018 compared to 2010. General Mills also drives awareness of regenerative agriculture with consumers through its brands. For example, in 2018, Annie's launched two limited edition products with ingredients grown using regenerative practices, and this year will offer two additional regenerative agriculture products: Macaroni & Classic Cheddar and Shells & White mercialize organic Kernza, a perennial grain whose ten-foot long roots are able to capture carbon and water, while preventing soil erosion. And EPIC Provisions is helping connect mission-based companies to progressive livestock producers using regenerative practices. Its Sweet & Spicy Sriracha Beef Bites product

was the first consumer pack-

aged product to feature the

Savory Institute Land to Mar-

ket Ecological Verification

Outcome seal, which measures

outcomes versus practices. General Mills is leading the development of measurement science to connect regenerative agriculture practices, like no-till and cover cropping, to environmental and econom-

ic outcomes:

Healthy Soil: Carbon rich, biologically active soil plays an essential role in cleaning and storing water, supporting

DUST ON THE DASHBOARD by Glenn Brunkow

We have all heard the saying, "You can't judge a book by its cover." This morning I learned that you can't judge a day by its morning. Don't get me wrong, I often judge a day by how the first couple of hours go. You know, run out of coffee, pickup won't start, cows are out, it's a bad morning. At least in my world, how the day starts, dictates just how good the day is going to be. Most of the time.

This morning started on an okay note I was a little stiff, a little sore and my head was plugged up, but two cups of coffee and things seemed alright. I backed the UTV out of the garage and got out to shut the door. As soon as I exited the driver's seat, I remembered I had not set the parking brake. I watched the Kubota roll down the hill, missing a tree by a fraction of an inch and come to a stop. In retrospect that might have been a sign that the day would not be all that bad.

I got to the barn and immediately started looking for Killer, the cow dog. Yes, the same Killer that pulled the scam on me a month ago. Yesterday it had dawned on me half way through the day that I had not seen him. That is a bad sign for a fourteen-year-old dog. I looked high and low for him. I looked in every pickup seat, nook and cranny, I opened doors and looked under machinery and he was nowhere to be found. I went out the next morning hoping to see his wagging tail, but still no sign of Killer. Losing your dog is the sign of a very bad day.

Next, I fed the sheep. As I do many days I watched as the ewes ate and the lambs played. They run and jump, and it is quite entertaining, except for this morning. One of the lambs suddenly fell over, gasping for air and convulsing. I jumped the fence, carried it to the barn and administered the only drugs I could think might help. The lamb continued to get worse and I made it as comfortable as I could and went on about chores. Later I looked over the fence and pronounced

There was no time for mourning because I had an appointment to get the bulls in for their annual checkup. It would be a piece of cake; they were always eager for their grain and would probably load in the trailer with just a bucket. When I got to the pen, one bull

its still body dead.

was waiting just like I had thought, but the other was on the wrong side of the electric fence. Not only was he on the wrong side but he was also highly agitated about his situation in life.

I loaded the bull who was behaving and started after the bull who was wayward. Immediately he let me know that he was in no mood for my trying to point out the error in his ways. I quickly switched to Plan B. He wasn't exactly out but he wasn't exactly where I wanted him. We decided to let him cool off and left grain in the loading pen. I left for the vet's office ten minutes late. The bull I had captured turned out good for the season. On the way back home, I checked on the bull who did not cooperate, only to find out that he had been in, eaten the grain and back out.

I went on and put the good bull out with his cows and waited for Ike to come home. While I waited, I checked the last place on the entire farmstead I hadn't looked for Killer. We had not been in the lambing barn for a couple of weeks and I had overlooked it. I opened the door and immediately Killer zipped out into freedom. I am not sure how he got there, and he wasn't telling.

Next, I went to dispose of my dead lamb, only there was no dead lamb. I searched the pen to find him on the other side, droopy, weak but much more alive than I had pronounced him earlier that morning. I must admit that I was stunned, flabbergasted and amazed. Two animals that I had thought were gone, right there with me.

Ike came home and we tried the bull again with similar results. We decided to move on to the three pairs I had left to catch from one of the winter pastures. I had not been able to find one of the calves for a couple of days and presumed it dead, too. To make a semi-long story short, after some coaxing and much cussing the cows and all three calves were caught and hauled home.

What started out as a bad day ended on a good note. Not often do you have a day when three animals make a miraculous return to the living. More important was the near run-in with the bull and the fact that I was still upright and mobile. I decided that fact would make tomorrow morning much better.



"I used \$800.00 worth of fertilizer on this field, all that happened wuz the rocks got bigger!"



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The scholarship commit-

Food waste is a problem

everyone can tackle, including

our nation's youth. As part of

Winning on Reducing Food

Waste Month, the U.S. Depart-

ment of Agriculture (USDA),

is launching Ace the Waste! A

student competition for food

waste reduction ideas. This

first-ever competition calls on

students to come up with cre-

ative solutions to reduce food

loss and waste in the United

affects everyone. More than

one third of food in the U.S. is

lost or wasted. This amounts

to 133 billion pounds, or \$161

billion worth of food each year.

Food is the single largest type

of waste in landfills. Students

age 11 to 18 are encouraged to

The problem of food waste

tee, comprised of KGFA's membership, received 255 applications and awarded 19 students scholarships to assist in advancing their academic

"We are very proud of the KGFA scholarship program that has helped so many people throughout the state for so many years," KGFA's

submit proposals on reducing

food loss and waste anywhere

along the supply chain, from

the farm to the dinner table

and beyond. Topic ideas for

Preventing food waste -

such as ideas to prolong the

storage life of food; improve

efficiencies in the processing

of food and its distribution;

and create new products from

unharvested or unsold crops

(like so-called "ugly fruit and

vegetables") or from food pro-

excess food to feed people -

such as innovative approaches

for getting excess food to peo-

ple who need it and measuring

the value of food donations.

Recovering wholesome,

cessing by-products.

the proposal include:

KGFA scholarships are listed below with their hometown. Dub and Inez Johnson

keep them out of landfills such as ideas to connect food waste generators with recyclers and to create animal

Raising awareness – such as ideas about how to make students more aware about the amount of food being wasted and let them know how to

feed, compost, and energy.

Students may submit one to two page proposals or one to two minute videos. Proposals will be judged on impact potential; originality and creativity; clarity of expression; and adherence/appropriateness to theme. Judges will include representatives from USDA, the Environmental Protection Agency (EPA), and the Food and Drug Admin-

president and CEO Ron Seeber said. "The association, its board and members take tremendous pride each spring investing in students and helping them pursue their ed-

ucation. The winners of 2019-20 Memorial Scholarship - \$500 Total Emma McClure - Hugot-

KGFA Scholarships \$1,000 Total Nickolas Davenport - Te-

Gabriel Elliott - Asbury,

Lauren Simmons - Green-

Casen Steere – Alta Vista KGFA Scholarships \$1,500 Total

Taylor Bruna – Barnes Gatlin Clawson - Meade ReAnna Dunlap - Kiowa Abby Flickner - Kingman Shayla Heiman - Bailevville

Jake Herl – Overland Park

Carlie Jones - Rolla Kade McGinn - Sedgwick Makenna Mettlen - Colby Blake Penka – Great Bend Schrock Brookville

Page 3

Gentry Shapland - Digh-

Kristopher Wagner - Sa-

competition today. untary programs, public-pri-

istration (FDA). One winner will be selected from each of two categories - ages 11-14 and ages 15-18. The winner of the challenge will be honored with recognition on USDA's social media accounts and website, receive a certificate of appreciation, and will have the opportunity to discuss their proposals with USDA lead-

The deadline for proposals is 4 p.m. Central time, Friday, May 24, 2019. Submit your ideas to the Ace the Waste!

About the Winning on Re-

ducing Food Waste Initiative The Winning on Reducing Food Waste Initiative is a collaborative effort among USDA, EPA, and FDA to affirm their shared commitment to work towards the national goal of reducing food loss and waste by 50 percent by 2030. The agencies agree to coordinate food loss and waste actions such as: educa-

vate partnerships, tool development, technical assistance, event participation, and policy discussion on the impacts and importance of reducing food loss and waste.

During Winning on Reducing Food Waste Month and beyond, join the conversation on social media with the #NoWastedFood hashtag. Learn more about USDA, EPA, and FDA programs and resources to reduce food loss

Annual Flint Hills Festival to be held May 11 in Manhattan for pre-sale online starting

tion and outreach, research,

community investments, vol-

The Flint Hills Discovery Center (FHDC) will host its annual Flint Hills Festival on Saturday, May 11 from 10:00 a.m. to 5:00 p.m. Experience the culture and beauty of the Flint Hills come to life during this family-friendly event.

Celebrate with local artisans, live entertainment, a beer and wine tasting tent, children's activities and food trucks. Activities include a bounce house, obstacle course, face painting, climbing wall, archery and so much more! This event will take place at the FHDC and on the adjoining Blue Earth Plaza.

During the festival, ticketholders also receive admission to the FHDC's temporary exhibits, Framed: Step into ArtTM and Storyland: A Trip Through Childhood FavoritesTM. Visitors can step into works of art and experience their favorite children's books come to life. These exhibits are on display through

Regular admission rates apply: \$9 for adults (18-64 years old), \$7 for military, students, educators, or seniors, \$4 for youth (2-16 years old), free for children under two years old. FHDC members are always free.

Tickets will be available

April 17.

To learn more about the Flint Hills Festival at the Flint Hills Discovery Center, visit www.flinthillsdiscovery.org/ flinthillsfestival, call 785-587-2726 or visit 315 S. 3rd St. in

PRECISION AERIAL APPLICATION: Pasture \ Crop \ Government (877) 79-VERSA (316) 882-1540 VersaAir.com

Centerpiece of 2200

Recycling food scraps to

the barn. In 1986, Cleta's daughter, Carolyn, acquired the property. She sold it in 1987 to Rick and Charlotte Haynes, who had plans about turning it into a bed and breakfast, but instead they sold it in August 1990 to Melvin and Rose Ann Purdue. For sixty-eight years, the property was in the Newland/Startzman family. The Purdues are hoping to pass that number.

When Randy and Katie made the decision to turn the barn into their home, they had a deadline of one year. Katie wanted to be moved in before her birthday in August. Randy, who also held a full-time job, made that promise to his wife, and he would spend evenings and weekends working on the couple's dream home.

"The roof was in shambles and we had to hire it to be re-done" states Katie. Except for that and some of the HVAC and drywall work, Randy, along with friends, did all of the work himself. This saved so much money for the young couple. Katie beamingly notes that Randy did make this barn very homey, which is one of the things she truly loves about it. "When there is a storm, you would never know. The stone is really efficient and is a great sound buffer" dictates Katie. The stone also helps with the heating and air conditioning, keeping the temperature where it should be during the different seasons.

Below the living quarters is where Randy can be found tinkering in his shop. There are stalls that can be used for the Purdues' horses if needed. The stalls are the original dairy stalls. A steel storm shelter is built into the foundation just in case a Kansas storm makes an appearance. A washroom and garage round out this part of the barn.

A white barn, which houses the horses, along with a silo, complete the original

buildings that came with the purchase of the property. A Quonset hut was once situated on the property, but time took its toll and the building is no longer there. The family did manage to recycle some of the tin from the roof, though. And, one of the main attractions, next in line to the stone barn, is the Ethel Startz-

man 1944 stone that still makes its home on the property. "She is the reason we are able to live in this piece of history" notes Katie. Seventy-four years later and the true beauty of this barn is still evident. Many in the area have their own memories of this centerpiece on 2200 Avenue. Whether they talk about watching it be built in 1943, or take a leisurely Sunday drive

past in now, the love that Ethel, and now Randy and Katie and their two children, have



for this beautiful piece of history is very much still alive and will be for years to come. New Subscription Renewal Name: Address: City: _____ State: ____ Zip: ____ Phone: Email: Activate Online Edition? **Online Edition is FREE with purchase of Print Subscription; Email is required.** In-State Print Edition Rates: 1 Year; \$41 + sales tax 2 Years; \$76 + sales tax _____ 3 Years: \$105 + sales tax

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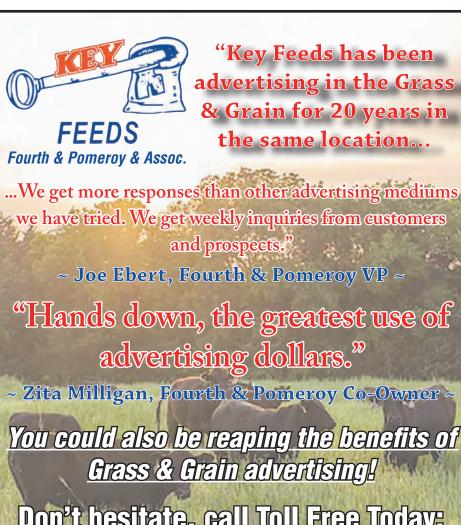
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Dorothy Holt, Topeka, Wins Weekly Grass & Grain Recipe Contest & Prize Winner Dorothy Holt, Topeka: "This recipe came from the first Taste of Home cooking school in Topeka and has been a favorite at all family dinners. Very good!" Make it in a clear glass bowl or trifle dish to show off its fabulous colors.

STRAWBERRY PEACH TRIFLE 3 cups cold fat-free milk

(2) 1-ounce packages instant sugar-free white chocolate 14-ounce prepared angel food cake, cut into 1-inch cubes

3 cups sliced fresh strawberries

2 cups fresh or frozen sliced unsweetened peaches 8-ounce carton reduced-fat frozen whipped topping, thawed

Additional sliced fresh strawberries

In a mixing bowl combine milk and pudding mixes. Beat on low speed for 2 minutes. Place a third of the cake cubes in a trifle bowl or 3 1/2-quart glass serving bowl. Top with a third of the pudding, 1 cup strawberries, 1 cup peaches and a third of the whipped topping. Layer a third of the cake, a third of the pudding, 1 cup strawberries and a third of the whipped topping. Top with remaining cake, pudding,

Nutritional Analysis: One serving (1 cup) equals 168 calories, 2 g fat (2 g saturated fat), 1 mg cholesterol, 294 mg sodium, 32 g carbohydrates, 1 g fiber, 4 g protein.

strawberries, peaches and whipped topping. Garnish with

Diabetic Exchanges: 1 1/2 fruit, 1 starch.

additional sliced strawberries. Yield: 14 servings.

LARGE RETIREMENT AUCTION SATURDAY, MAY 4, 2019 — 9:30 AM

1133 S. McPherson Ave. — BURRTON, KS (Burmac & Hwy. 50) Auction offers something for shop, farm & shade tree mechanics! CALL Robert for info: 316.772.1283 2001 & 1999 Harley Davidson Cycles-Sharp; IHC 2500 Series Back

hoe; 8N Ford Tractor; Hunter Tire Changer & DSP Wheel Balancer Ranger 18' Car Trailer; PowerMate 1750 Generator; Vantage 3500 Generator; 9000# Vehicle Lift; Air Impact Wrenches; 8000# Porta Power Set; Complete line of shop Tools-info call 316.772.1283 Complete listing: www.auctionspecialists.com

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<u>REAL ESTATE AUCTION</u> SATURDAY, MAY 4, 2019 — 12:00 PM

1133 S. McPherson Ave. — BURRTON, KS (Burmac & Hwy 50) 80'x48' Metal Building, (3) 13' 10" tallx12' wide overhead doors; 316'x232' Lot; Office & Storage Area; Hwy 50 Frontage. To view: CALL Robert, 316.772.1282.

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Prize for APRIL 2019! "Our Daily Bread" **Recipe Contest Prize**

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It features double-wall insulation and a colorful, soft-grip wrap and lid. A button on the lid controls the flow of liquid

out of the cup and prevents it from spilling when closed. Just press the button to open it when you want to take a sip! Fits most cup holders.

Hand Wash

Send Your Recipes Today!

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 ac-

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, Box 1009, Manhattan, KS 66505. OR e-mail at: auctions@agpress.com

Millie Conger, Tecumseh: **BUTTER PECAN SYRUP** 1 cup dark brown sugar 5 teaspoons cornstarch Dash salt

1 cup water 1/3 cup butter, cubed 3/4 cup chopped pecans

1 teaspoon vanilla In a slow cooker mix

brown sugar, cornstarch and salt. Whisk in the water. Cover and cook on high until thickened and bubbly 3 to 3 1/2 hours, stirring every 30 minutes. Whisk in butter until melted. Stir in pecans and vanilla. Good with ice cream, pancakes,

Jackie Doud, Topeka:

HONEY GLAZED HAM 1 boneless fully cooked ham (4 pounds)

1 1/2 cups ginger ale 1/4 cup honey

1/2 teaspoon ground mus-

1/2 teaspoon ground cloves 1/4 teaspoon ground cinna-

Cut ham in half and place in a 5-quart slow-cooker. Pour ginger ale over ham. Cover and cook on low for 4-5 hours or until heated through. Combine the honey, mustard, cloves and cinnamon. Stir until smooth. Spread over ham and cook 30 minutes longer.

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FARM EQUIPMENT AUCTION

SATURDAY, MAY 4, 2019 — 10:00 AM

(Tractors will sell at Noon)

AUCTION LOCATION: 245 Yarrow Street — BURNS, KANSAS

Property of STAN & KAREN SANER

Located 1/2 mi. North of Burns, KS from the intersection of Hwy 77

& 20th St, West on 20th St for 1.4 mi. to Yarrow Rd, turn North &

See Full Sale Bill at www.GriffinRealEstateAuction.com or call for mailing.

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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ESTATE

Rose Edwards, Stillwater, Oklahoma:

CITRUS PEACH CARROTS

1 pound baby carrots 2 tablespoons water 1/4 cup peach preserves 2 tablespoons butter 1 teaspoon orange juice 1/4 teaspoon grated lemon

1/4 teaspoon pepper Place carrots and water

in a microwave-safe bowl. Cover and cook on high 6-8 minutes or until done crisp. Drain. In another microwave bowl cook preserves, butter, juice, zest and pepper on high until butter is melted. Pour over carrots. ****

Kellee George, Shawnee: BREAKFAST IN A PAN 8-ounce tube crescent rolls 2 cups cubed cooked ham

2 cups frozen shredded

hash browns, thawed

5 eggs

1/2 cup milk

1/2 teaspoon pepper

1/8 teaspoon salt 2 cups shredded Cheddar

AUCTION

SATURDAY, MAY 4, 2019 • 10:00 AM

AUCTION LOCATION: 709 Washington Street — CLYDE, KS 66938 Right on the main road through Clyde ... K-9 Highway

HOUSEHOLD, FURNITURE, Collector Wall Plates, CROCKS.

COLLECTIBLES, 8N Ford Tractor (excellent shape), TOOLS

SELLERS: DAVE & REVA COASH ESTATE

Rhys (Coash) Baker - Administrator

See last week's Grass & Grain for listings or websites below

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Contact the auctioneers in case of inclement weather

Preheat oven 350 de-

grees. Unroll crescent roll dough into one long rectangle; press perforations to seal. Press onto bottom of a greased 9-by-13-inch baking pan. Top with ham and potatoes. In a large

bowl whisk eggs, milk, pepper and salt until blended then pour over potatoes. Sprinkle with cheese. Bake until set and cheese is melted, 25-30 minutes.

Kimberly

Stillwater, Oklahoma: CHEESY BAKED **ASPARAGUS**

2 tablespoons butter 1 small onion, chopped

2 tablespoons flour 1 1/2 cups milk 1 1/2 cups shredded

5-cheese blend 2 pounds fresh asparagus spears, trimmed, blanched & cut into 21/2-

inch lengths

lightly brown.

Heat oven to 425 degrees. Melt butter in saucepan on medium heat. Add onion and cook and stir 3-5 minutes until crisp-tender. Whisk in flour and cook 2 minutes. Whisk in milk and cook 3-5 minutes until thick. Add cheese and cook 1 minute until melted. Add asparagus; mix lightly. Spoon into 1 1/2-quart casserole. Bake 15 minutes or until heated through and

without salsa.

In Observance Of Cinco de Mayo A Time-Saving Taco Dinner

ground cumin then slow-cooked for four hours with picante sauce, the meat can be shredded and served

alongside your family's fafree meal. Find more meal ideas

at http://www.culinary.net. Slow Cooked Shredded

1 teaspoon chili powder 2 teaspoons ground cumin

16-ounce jar Pace Chunky Salsa or Pace Picante

Season chicken with chili powder and cumin. Place chicken into 6-quart slow cooker. Pour salsa over chicken. Cover and cook on HIGH for 4 hours or until chicken is fork-tender. Remove chicken to work surface. Using 2 forks, shred chicken. Serve chicken in tortillas. Top with

SUNDAY, MAY 5, 2019 — 10:30 AM 12202 S. Fairlawn Rd. — CARBONDALE, KANSAS

West 125th, 1/2 North on Fairlawn Rd.) 9 Guns selling at 10:30; 2016 ter; 7+ retro furniture pieces;

RR memorabilia: Paul Revere 17 pc. berry bowl set; vintage Singer pinking machine; selections of hand & shop tools, rugs, furniture, vintage books, Oriental decor, MUCH, MUCH

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Info & Pics at:



www.wischroppauctions.com 785-828-4212

AUCTION

Offering for sale at Public Auction, located at 1002 Commerce Dr., (Industrial Park) — HESSTON, KS PICKUP, LAWN MOWERS & EQUIPMENT

2005 Dodge 1500 crew cab pickup, 205K; Excel Hustler mowers including: 3 - Super Z 60" Hyperdrive; 3 - Super S 52"; 2 - Raptor SD 60"; Raptor 42"; Dash 42"; 37" Hydro walk behind; Super Z 60" with bagger; 90"x107" pickup flatbed; Castelgarden mower; 2 John Deere Pro Gator UTV; John Deere X300 garden tractor; parts picker forklift. MOWER & UTV RELATED ITEMS & MISC.

18 - Briggs & Stratton 21R7 10.5 hp engines; 6 - Super Z 3 Bag catchers; grass Catchers; bag vac; 10 hp air compressor; hydraulic components; transmissions; tires; seats; lift tables; shop tables; storage bins; mower parts; file cabinets; Drill Press 3hp; Corrugated metal building panels & more. **EXCEL INDUSTRIES, INC., SELLER**

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could substitute in ground white turkey for chicken." **MEXICAN CHICKEN MEATBALLS** 1/2 cup egg substitute 4-ounce can chopped green

Lydia Miller, Westpha-

lia: "Serve with a dip of

hot Velveeta and salsa. You

chiles 1 cup crushed Corn Flakes 1 cup (4 ounces) Mexican cheese blend, reduced-fat

1/2 teaspoon seasoned salt 1/4 teaspoon cayenne pep-1-pound package ground

chicken Salsa, optional In a large bowl combine

egg substitute, green chiles, Corn Flakes, cheese, seasoned salt and pepper. Crumble chicken over mixture and mix well. Shape in 1-inch balls. Place on baking sheets coated with cooking spray. Bake at 375 degrees for 12 to 15 minutes or until golden brown, turning occasionally. Yield: 1 meatball = 21 calories

(Family Features) — Make dinner a cinch with these Slow Cooker Tacos. Seasoned with chili powder and

vorite toppings for a stress-

Chicken Tacos 1 1/2 pounds skinless, boneless chicken breast halves

Sauce-Medium (12) 6-inch flour tortillas, warmed

favorite toppings. Recipe courtesy of Campbell's Kitchen.

(From Carbondale, KS 1 1/2 mi. North on Topeka Ave., 2 1/2 mi.

Chevy Equinox LT, 46,000 mi.; 2013 Forest River 18' Salem Cruise Lite Travel Trailer; Cub Cadet 104 riding mower; Coleman Powermate generator; Sleep Number Qu. Classic Series 2; GE refrigerator, 1 yr. old; Huskee 28T portable log split-

A household inventory is an itemized list of the contents of your home, including basement, attic, and garage. It could also include a list of the contents of storage areas, such as sheds or other small buildings on your property. If you have a rented storage unit offsite, consider completing an inventory for that, as well. An accurate inventory is a necessity whether you are a homeowner or a renter.

The purpose of insurance is to cover major losses. Review vour insurance coverage at least annually. You may want to conduct a face-to-face review with your insurance agent every other year. Make sure you have adequate coverage on your home, vehicles, and possessions. If at all possible, set aside emergency funds to cover the policy deductibles. Keep the name of the agent(s) and policy number in your grab and go box. Consider purchasing the other types of insurance, such as disability and/or life insurance for the wage earner. If you had only a few moments to evacuate your home,

would you have access to the cash, banking services and the personal identification needed to conduct your day-to-day financial life? Consider keeping the following items in a secure place in your home, in a waterproof, fireproof container that can be taken with you at a moment's notice: Identification and other key documents that may be needed to restore your financial records, including copies of your driver's license, passports, social security cards insurance cards, policies, or other proof of insurance coverage.

Here is a list of Grab-and-Go Box items:

- Identification and other key documents that may be needed to restore your financial records, including copies of your driver's license, passports, social security cards
- Insurance cards, policies, or other proof of insurance coverage Household inventory
- Immunization records
- Bank account numbers, cash
- Copies (front and back) of ATM, debit, and credit cards
- Phone numbers and account information for all financial service and insurance providers
- Important telephone numbers (family members, doctors, vet-
- Names and prescription numbers for medications
- Safe deposit box key Pocket notebook and pen or pencil
- If the following items are not kept in a safe deposit box, these

should also be kept in your grab-and-go box. It is a good idea to make copies of safe deposit box contents in case the originals are damaged by water. • Family records (birth, marriage, death certificates)

- · Will, contracts, deeds, stocks, and bonds
- Titles to vehicles

The full publication about taking steps ahead of disaster at: https://bit.lv/2vck8EY For additional information, contact the Wildcat Ex-

tension District, Crawford County, 620-724-8233, Labette County, 620-784-5337, Montgomery County, 620-331-2690. For more information, contact Kylie Ludwig, Entre-

preneurship and Financial Management Agent, ludwigk@ksu.edu or (620)784-5337.

LAND AUCTION

160 acres +/-**Geary County, Kansas**

Tuesday, May 14th, 2019 at 7:00 pm Auction will be held on site 4768 K-157 Hwy, Junction City, KS

LEGAL DESCRIPTION: SE 1/4 of Section 27, Township 13 South, Range 5 East, Geary County, KS.

LOCATION: From Junction City, travel south approx 7.5 miles. Property is located on northwest corner at intersection of Hwy 77 & Hwy 157.

DESCRIPTION: 160 acres +/- with 100 acres +/- of pasture and remaining balance in brome, hay meadow, wildlife habitat and pond. Opportunity to build! Property is accessible by paved roadways on two sides and borders Geary State Fishing Lake with walk-in hunting permission. Property includes a 40 x 60 g and many additional



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see www.genefrancis.com for full auction flyer

AUCTION SATURDAY, MAY 11, 2019 — 9:30 AM

310 State Lake Road — BALDWIN CITY, KANSAS From Baldwin North 1 mile on Dg. 1055 (1700 Rd.) Turn Right on Dg. 12 (400 Rd.) To Auction! WATCH FOR SIGNS!

Paul has sold his property & will sell the following to the highest bidder! TRUCK, LAWN EQUIPMENT 1992 Chevrolet 1500 ext. cab truck Silverado package, 5.7L, V8, 2WD, running boards, w/ Leer camper topper, One Owner, Bought New! ONLY 91K, Always Inside/Very Nice!; Snapper 355Z Zero Turn Riding Mower 54" deck, 26 hp.; John Deere Scotts Automatic Lawn Tractor w/54" deck; Craftsman 6 hp./17" reartine tiller; Craftsman 26" elec. start Snow Blower; Fimco 30 gal. 12V lawn sprayer w/6' boom (5 nozzles covering 100 in.) & hand wand/hose, Lawn Dump trailer; Brinly spreader; Earthquake chipper/shredder 250cc; Lawn Boy push mower; Craftsman Weed-Eater & blower/vac; Craftsman 2 drawer work bench; Craftsman chainsaw/floor jack/ jack stands/hand wrenches/ etc.; bench grinder; Workmate; power & hand tools of all sorts: Werner 32' ext. alum. ladder; aluminum ladders; Martin Houses; 50+ steel fence posts; yard art/flower pots; wood limb/firewood box; lawn/garden supplies; metal shelves; Remington Wingmaster 870 12 ga. shotgun; Crosman Model 338 Auto BB/Co2; Daisy

Model 111 BB Gun.

COLLECTIBLES HOUSEHOLD & MISC.

Vintage Oak drop-front desk; wooden Wagon Wheel set w/ axle (yard art); iron bed; single trees; cream can; cast-iron kettle/pot; Dietz Little Wizard Lantern; Little Star Cherry Pitter; oil lamps; cedar chest; trunk; Schlitz lighter; Emerson console stereo; records; Salt/Pepper Collection (Coke, MM, John Deere, Hummel, etc.); The Hummel Spice Jar Collection; Hummel plates; Howard Miller mantel clock; Singer Treadle Sewing Machine; Vintage Singer electric sewing machine; Rogers Stainless 12 place setting flatware set; Winfield China California set of 6 dish set; glassware; cookbooks of all kinds; Britannica Encyclopedia set; dining room set table w/matching chairs & china hutch; Broyhill full Oak bedroom suite; Broyhill chest & dresser; Maytag Centennial Commercial matching washer/dryer set; Westing-house refrigerator; Kenmore frostless upright freezer; oak entry table & parlor tables; end tables; couches; TVs; oak desk; Kenmore Progressive vacuum; BBQ grill; small kitchen appliances; kitchen décor; canning supplies; puzzles/games; holiday décor; QUILTING Supplies: NM-E23 56/96 quilting frame (NIB), King/Queen Quilting Frames, quilts, material, supplies; linens; afghans; craft items; Dietzgen #9255 drafting set; **Jewelry:** Cultured/Fresh Water Pearls, 14K Diamond Cocktail Ring, 10K Opal Ring, Avon, Bulova 14K & Tissot 10K Ladies Watches; box lot items; numerous items too

many to mention! AUCTION NOTE: Do Not Miss This Auction! The Quality & Well-Maintained items are Outstanding!
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A Fungi Adventure

By Lou Ann Thomas

Spring has fully sprung and it's time for planting this year's crops, spring cleaning and hunting for mushrooms. At least that's what I hear. Personally the only mushroom hunting I usually do is in the produce aisle of the grocery store.

But this year, I decided I wanted to learn more about this hunting of morels that seem to make people a little crazed this time of year. My friend, Jeffrey, is an avid morel hunter so when he invited me to go along with him, I eagerly accepted. explained Jeffrey

that morel hunting required an old pair of shoes and a plastic bag, which gave me confidence that this was an activity at which I might excel, because I already had old shoes and a plastic bag full of plastic bags. I was ready! We had just begun

our trek through the woods when Jeffrey mentioned we should have brought Boone to



FARM TALK NEWSPAPER

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scare away the snakes. This meant that with every step I was now more intent on looking for snakes than for mushrooms. A few minutes later Jeffery mentioned how bad the ticks were this year and added a warning to keep my eye out for them. I can only concentrate on so many things at once, and with looking for snakes, watching out for ticks and sweating fear, the mushrooms were completely pushed out of my full head.

Jeffrey kept asking if I was looking and I would honestly answer, "yes". I was looking; it was just that I was no longer looking for morels. We hadn't gone much further into the woods when Jeffrey, now known to me as Doctor Doom, pointed out some poison ivy and offered one more warning. I added it to my list and began to sweat more profusely.

tasty morel mushrooms, which encourage this kind of dangerous activity in otherwise sane people, are defined by Webster's Dictionary as "any of several large pitted edible fungi". For true morel hunters they are defined simply as "good eatin". Morel hunters are defined as a unique breed of woods-walking, tick-infested, poison ivy itching, snake fearless people who enjoy spending hours looking for even a hand full of these small sponge-like fungi. One of the most im-

Grass & Grain, April 30, 2019

portant things I learned

on my first mushroom hunting adventure is that successful morel hunters rarely reveal the location of a good find. If a true hunter tells you where they find morels, don't believe them, because they keep the good places to themselves. And that's one of the biggest issues I have with morel hunting - there is too much hunting and not enough finding and without more finding, there's not enough eating, and eating is my favorite part of morel hunting.

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ESTATE AUCTION THURSDAY, MAY 16, 2019 — 7:00 PM

Auction will be held at the Trinity United Methodist Church Basement 8th & Lincoln in CONCORDIA, KANSAS

Legal Description: NW 1/4 9-5-3 Cloud Co. Kansas The farm is located 1 ½ miles North of John Deere on Highway 81 North of Concordia, Ks. (81 Highway & Wagon Road).

The farm is 148.6 acres with 109.9 cropland and 38.7 trees. The bases are Wheat 25.12 acres 46 bu yield, Corn 27.48 acres 110 bu yield, Grain Sorghum 42.39 acres 108 bu yield, Soybeans 14.91 acres 34 bu yield for a total base of 109.9 acres. The farm is enrolled in ARC/PLC. Conservation system is being applied. The farm is located on the West side of Highway 81 with a gravel road along the North and West sides.

Seller will pay 2018 and all prior year's taxes. Purchaser will pay 2019 taxes. 2018 taxes were \$2.080.00.

Possession: The farm has a lease that runs out on August 1, 2020. Purchaser will receive the cash rent on the farm for 2019 & 2020. The rent is \$125.00 per acre on 107 acres. The rent is paid 1 st half on August 1 the 2nd half on Feb. 1.

Terms: 10% of purchase price as down payment day of auction, the balance will be due upon closing on or before June 16, 2019. Down payment will be escrowed with Scott Condray Attorney.. Escrow fees will be split 50/50 between seller & purchaser. Title insurance will be used, the cost will be split 50/50 between seller & purchaser.

Thummel Real Estate & Auction LLC is acting as seller agent. All statements made day of auction take precedence over printed material.

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



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Family Owned & Operated Tiffany Cattle Company is excited to announce the acqui-

sition of a new location in McPherson county! Now with a total capacity of 32,000 head we are looking forward to providing multiple feeding and marketing options to our existing and new customers in both locations. With pen sizes of 50 to 200 head, we are equipped to service customers of any size.

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Tiffany Cattle West 758 Pioneer Road Marquette, KS 67464



New Kansas business providing custom solutions for no-till

Heartland Implement Solutions of Beloit offers custom solutions to keep equipment working longer. "Air seeders and no-till drills are no small investment. Trying to make them last is our first goal," explained owner Dan Marciniak.

Rebuilding air seeders across Kansas, and neighboring states is how Marciniak got his start. "I was lucky to join one of the first outfits to offer rebuilds. Slower periods necessitated inventiveness." That's how rebuilding led to devising ways to maintain precision and prevent wear, leading to developing wear parts and lubrication systems.

"I ultimately started my own business. Meeting the



they help him at the no-till conference Farming Evolution, Holyoke, Colo.

needs of this group of farmers, however, has not changed. Improving the longevity and precision of their equipment has only led to a passion for helping them realize the full potential of No-Till."

This passion has led Heartland Implement Solutions to bring a wider array of solutions to help make the most of no-till equipment. "That is where we go forward, to help those same pieces of equipment be the best they can be." To do this H.I.S. provides zone control, industry leading blockage sensors, and down pressure systems.

The future is what excites Marciniak the most. "I care about these farmers, not just

the equipment that keeps both them and I in business. Already they are an extraordinary bunch, breaking with tradition. That's half the story. The other half is that most are only halfway there. The first half holds back the dust, the second half of the transition reaps a golden future." That transition requires rugged notill equipment. It also requires commitment from a network of service providers. That's where Marciniak says Heartland Implement Solutions comes in.

To find out more you can reach Dan Marciniak at 785-534-3433 or at www.Heartland ImplementSolutions.com.

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On-farm technologies can be as complex as they are essential, but new guidance

help farmers maximize their data to make the best man-

UPCOMING MARION COUNTY LAND AUCTION

TUESDAY, MAY 7, 2019 — 6:00 PM

Community Building, Swope Park — COTTONWOOD FALLS, KS

Property of BRAD MATZ & SHARON MATZ 157.9 ACRES – The full package — Investment, recreation, with Flint

Hills high grass country, North Middle creek & wet weather tributary plus tillable land consisting of reading soil!! Property Located 11 miles west of Elmdale, Ks on Middle Creek

Rd to the property on the northside of Middle Creek Rd (240th). From the intersection of 150 and Hwy 77 east of Marion, KS take 150 Hwy 6 miles east to Clover Rd, then 4 miles north to 240th Rd, ½ mile East to the property on north side of the road.

Go to website for complete information. Mark Your Calendar! Middle Creek Valley properties rarely come up for AUCTION! www.GriffinRealEstateAuction.com

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The soy checkoff's Tech Toolshed, in partnership with five universities, released a new installment of free resources to help farmers incorporate digital and precision agricultural systems into their farm management strategy.

"The Tech Toolshed can help you improve your decision-making, whether you don't know where to start with a new technology or you don't feel like you're using it most effectively," said Tom Oswald, United Soybean Board director and farmer from Cleghorn, Iowa.

The newest release focuses on data literacy and offers insights and tips tailored

K·Coe Isom, a national

food and ag consulting and ac-

counting firm, has announced

for soybean farmers, to help them better understand the agricultural data landscape. evolving agricultural technologies and data analytics, among other features.

"The inspiration and purpose behind the data literacy project is to develop educational material for soybean farmers and trusted advisors that support farmers in the agricultural data space," said Dr. John Fulton, associate professor in Food, Agricultural and Biological Engineering at The Ohio State University.

The six pillars of data literacy outlined in the Tech

a new program intended to

provide entrepreneurs with a

more visible platform for their

food & ag innovations. The

unique Spark program utilizes

the expertise of K·Coe Isom's

food & ag consultants to iden-

tify and promote clever inno-

DESCRIPTION: Charming

2 hedroom/1 hath home in Wamego. The home provides

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eball comple

Toolshed's resources are: - Fundamentals — How to use on-farm data to maximize profit opportunities.

- Integrity — How to avoid errors during data collection or processing that may affect results and the decision-making process.

- Management — How to capture, organize and archive accurate farm data for decision-making.

- Sources — How to identify useful data sources to help in decision making.

- Utilization — How to use ag data on your farm to reduce risk, maximize profits and reduce inputs.

- Legal Aspects of Data - How to handle legal responsibilities and rights with farm data.

vations and young companies

that have the proven potential

to change and advance food

Spark program was conceived

from the amount of requests

we were receiving from start-

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"The foundation for the

and agriculture operations.

developed by the United Soybean Board to help soybean farmers maximize existing technology, integrate new technology and make use of the vast quantity of data available. The five land-grant universities that collaborated on this project included The Ohio State University, University of Nebraska-Lincoln, Iowa State University, Purdue University and Kansas State University.

For more information on Tech Toolshed, visit www. unitedsoybean.org/techtoolshed/ or follow Tech Toolshed on Twitter @TechTool-

n for food & ag entrepreneurs

ups that were approaching us to partner with them to help bring their products or services to market," says Kathleen Walton, partner and chairwoman of the board for K-Coe Isom.

"As a leading food and ag firm, our ability to positively shape the future and strengthen the position of food and ag companies is what matters most to us. By creating a program that can connect these innovative ideas and companies with our firm's dynamic resources, clients, and industry leadership, our ultimate goal is to progressively transform America's oldest and most important industry - a win-win

for everyone

Companies who have a new, market-ready product or service can learn more and apply for the program at www. kcoe.com/spark. Applications will be reviewed and companies will go through a comprehensive due diligence process to be accepted. Spark program members will receive access to the expertise of food and ag advisors, brand promotion, and strategic opportunities to accelerate their company.

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Ceres Imaging to deliver advanced imagery to the Climate FieldViewTM digital ag platform Ceres Imaging, an aerial spectral imagery and analytics company that improves decision making by providing farmers a comprehensive view of their farm, has announced an expanded platform partnership agreement with The Climate Corporation (Climate), a subsidiary of Bayer, to further integrate the Ceres aerial imaging solution with the Climate FieldViewTM platform, the industry's leading digital agriculture platform.

"The collaboration be-

tween Climate FieldView and Ceres is a leap forward for agriculture," said Ash Madgavkar, founder and CEO of Ceres Imaging. "The availability of advanced high-resolution imagery from Ceres, coupled with powerful data analytics and field-level insights in the FieldView platform, will help empower more farmers to make proactive not reactive - decisions when it comes to the health of their The agreement allows

shared farmer customers to access accurate, scientifically validated imagery from Ceres Imaging in their FieldView account, providing the ability for farmers to detect water, fertilizer, pest and disease issues weeks before the naked eye can see. Ceres' scientific grade thermal imagery and proprietary artificial intelligence (AI) capabilities deliver the agricultural market's most advanced imaging solution. Ceres Imaging provides additional features and functionality to Climate FieldView users, including the ability to automatically detect and rank issues in their fields or to create in-season variable rate application zones.

"Access to data-driven, digital tools in FieldView, including the availability of high-quality imagery delivered through Ceres, is helping thousands of farmers and their agronomic partners identify and address potential issues in the field before yield is impacted," said Mark Young,

chief technology officer for The Climate Corporation. "This expanded partnership with Ceres will deliver valuable, field-level insights to help farmers improve their productivity.'

The integration between Ceres Imaging and Climate FieldView is live and available immediately from Ceres. To launch the product, Ceres is offering a sales promotion in the form of \$500 off Ceres Imaging's service for any new customers through December

31, 2019. Customer farms must be located in Colorado, Idaho, Kansas, Minnesota, Nebraska, North Dakota, South Dakota, or Texas. At a minimum, customers must sign up for the Basic Package of Ceres services on not less than 360 acres by May 15, 2019, to be eligible for the promotion. Customers may not have had prior contact with Ceres Imaging prior to April 1, 2019. For further information, contact climate@

ceresimaging.net. beds Cow water take 50 pounds of sand per

Water beds for cows improve comfort and milk production at the University of Missouri's Foremost Dairy Research Center near Colum-

MU Extension veterinarian Scott Poock and dairy specialist Stacey Hamilton are part of the Foremost team that researches how the beds improve herds. They monitor cows on cameras and record data about resting times and milk production.

Foremost began using the new beds in fall 2018. Cows adapted quickly, Hamilton says, with an estimated 75 percent of the herd using the beds by the second day.

The amount of rest a cow receives affects the quantity of milk she produces. In freestyle barn operations, dairy operators want cows to lie down 12-14 hours per day to prevent lameness and

increase milk production. With the water beds, cows stay longer in stalls and lie down sooner. Poock says. Before the water beds, cows lay down an average of 8.5 minutes after entering a stall. They now lie down within five minutes.

The dual-chamber beds offer extra support for the cow's knees. Once the cow kneels, the pillows offer a cushion for pressure points with gentle support. Strong joints provide better stability and prevent leg and foot injuries, sores and infections that can reduce mobility.

It is "all about cow comfort" and profit for the herd owner, says Hamilton. "Comfortable cows are happier and make more milk."

Foremost staff put wood chips in the stalls to cover the water beds and catch waste. If Foremost used sand, it would

beds are an easier option, Hamilton says. The bovine beds cost about a third more than beds previously used at Foremost.

Those beds, made of inter-

locking chopped rubber piec-

es, deteriorated with time and

day per 160 stalls. The water

Many dairy farms still use sand, straw, wood shavings or grass to keep stalls dry and comfortable for cows. Foremost Dairy is among a growing number of dairy farms

using the new technology.

OAK GROVE

Last year, the BBC reported that cows at Queen Elizabeth II's farm at Windsor Castle enjoy the luxury of water beds. Queen Elizabeth also pampers her cattle with green pastures and automatic brushes that remove dirt and relieve stress. The queen's dairy uses robotics to milk cows and clean barn floors.

Meanwhile, across the pond, Foremost cows receive the royal treatment too.

Learn more about the Foremost Dairy Research Center at ForemostDairy.mis-

Simmental project to accelerate carcass selection

U.S. cattlemen and women have successfully improved beef quality during the last several decades, yet capturing widespread carcass data proves elusive. The most important traits are still among the most difficult to predict.

A large-scale project from the American Simmental Association (ASA) aims to change some of that – and arm ranchers with more accurate decision-making tools.

"Over time, we've leveraged new technologies like ultrasound to help bolster information about end product attributes into our genetic evaluation systems. However, as we look at different breeds, on average, between half and one percent reporting rate of the number of calves born every year make it into our carcass data evaluation," says Dr. Bob Weaber of Kansas State University. "Carcass data is an area that's expensive to measure, but we know it's very important. All of the new dollars that come into the beef business come from somebody buying a piece of beef."

That's why the ASA recently launched an expansive new project that pairs actual carcass records with genomic data on sire-identified calves. The Carcass Expansion Project aims to boost total carcass records

and to train genomic panels to

more accurately predict car-

Rancher Tracy Brunner of Cow Camp Ranch near Ramona, is a participant and says the project has merit for all

producers.

"This is not about just gathering carcass data. It's not just a win for the individual animal owner. It benefits the cattle that are available to our consumer, industry-wide," Brunner says. "All the information that we gather will develop better and more accurate EPDs that will lead to better consum-

ASA's Board of Trustees invested significantly toward the five-year project, open to seedstock members and their SimGenetic influence.

"We focus our efforts and data collection, in this case, on a relatively large group of animals, of 20,000, and extract lots of information out of that exercise. Then the genomics tools will allow us to spread that information across the entire pedigree. So producers that aren't directly engaged in feeding cattle benefit from the project because they'll be able to use a genomics tool," Weaber says.

For the genomic component, the Association plans to pay genotyping costs associated with the use of tissue-sampling units (TSU) provided through Allflex.

"Obviously, carcass data is one of the hardest things to get because not everybody is willing to share it and because it's very expensive to just get carcass data," says Scott

ing manager for Allflex. "Our ability now to get that carcass information through genomics is a really exciting phase in our industry."

"Through the gathering of carcass data and tying that back to the origin of the genetics of those animals, we're able to increase the predictability. We're able to increase the accuracy of expected progeny differences," Brunner says. "Whereas, a non-enhanced EPD may have an accuracy rate of 30% to 40%, we can improve that possibly 10% to 20% by adding carcass information to that EPD foundation.

"To me, it's about breeding better cattle to raise better

Seedstock members or commercial producers wanting to learn more can visit simmental.org or contact the Association at 406-587-4531.

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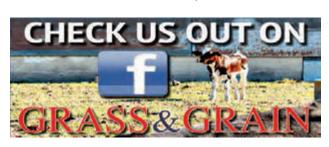
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K-State College of Ag honors distinguished Ethiopian scientist as Alumni Fellow

Segenet Kelemu would be the first to tell you that her humble upbringing from a poor Ethiopian village to one of Africa's most distinguished scientists has not been an easy

"I'm a woman working in what has been predominantly a man's profession, and I'm a woman of color," Kelemu told students in a Kansas State Uni-

versity genetics class recently. Early in her career, one international organization she worked for passed a rule that

to rise to a director's role, a person had to be at least six feet tall. "Well, that was three

REAL ESTATE AUCTION

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expires on September 30, 2020. The purchaser will receive the 2019 and 2020 payments. The

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Purchaser will pay 2019 taxes. 2018 taxes

purchaser will maintain the CRP contract.

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who graduated from K-State in 1989 with a doctorate in plant pathology and recently was named the 2019 Alumni Fellow by the university's College of Agriculture. The Alumni Fellow is a

program of the K-State Alumni Association in collaboration with each of the seven colleges at K-State. It is intended to recognize outstanding graduates from each college. "I come from a very poor

agricultural village in Ethiopia where farmers struggle daily to control pests, control disease and simply to make a living from agriculture," Kelemu said. "My intention from the time I graduated from college was to apply my knowledge in science to make a difference in these farmer's lives." Kelemu is currently the

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Title. Escrow fees will be split 50/50 between

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the cost will be split 50/50 between seller &

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as seller agent. All statements made day of

auction take precedence over printed material.

on or before June 30, 2019.



Kansas State College of Agriculture as an Alumni director general and chief exthe center has solved numer-

ecutive officer of the Center of Insect Physiology and Ecology in Nairobi, Kenya. She is the first woman to hold that position. "This organization was es-

tablished 50 years ago by Kenyan scientists and has grown from a national program to international status," she said. "This is the only center that works on insects and the diseases they transmit to crops, animals, humans and the environment in general. It plays a critical role in the continent of Africa." Under Kelemu's guidance,

ous challenges unique to agriculture on her continent, such as the devastation caused by the African tsetse fly, which is known to transmit disease

In the late 1800s, the tsetse fly nearly eradicated the entire cattle industry in Africa. While the damage caused by the biting fly is not quite to that extent today, it's still a major pest that greatly affects the African cattle industry. Kelemu's research team

discovered a compound found in wildlife that repels the tsetse fly, then developed a collar can wear. When the fly moves in for a bite, it senses a wild creature and is scared away.

The center has also developed a number of bio-pesticides that are effective against a wide range of crops, and on ticks in cattle. They are developing new ways to control malaria, which still claims one African child every eight

Kelemu said her group also is working on a project to understand why African bees are resistant to pests and diseases. in hopes of rebuilding colonies of bees in Europe and North

"The products we generate and the technologies we develop are being used globally," she said.

Kelemu's list of honors and achievements stretches nearly two decades, including being honored in 2014 by the Bill and Melinda Gates Foundation as one of five Heroes in the Field.

"I have been really fortunate, but I am one individual," Kelemu said. "A lot of my team members in all of the jobs I've had have contributed to our success, including my graduate students, staff and

"I have been really fortunate to have a global network. There is a saying in Africa that it takes a village to raise a child, but I think it takes a global village to make a scien-

tist successful as well." Kelemu said that some of the tough lessons she learned early in her career were important to the success she had later on. And she hopes that students hear that message.

"I think it's important that students know that they should not be rattled by any challenge they will face," she said. "I know some people who were too rattled, and they would say science is too challenging for me, and they quit. But determination is really important and realizing that life is not always smooth sailing, no matter what profession you choose. Students need to think, 'This too will pass; I am going to tackle it and move past

She added that keeping an eve on their original reasons for getting into agriculture and science - namely, helping people - can help students stay

determined.

"This is a good overall profession these students have chosen," Kelemu said. "It is a fantastic honor to do the things you love, but also in the medium and long term you can also translate that to impact on society."

While at K-State, Kelemu met with campus leaders and spoke to several classes. In one class, Population Genetics. she was introduced by K-State graduate research assistant Immaculate Wanjuki, a native of Kenya.

"She inspires me greatly, especially being an African woman venturing in science, which is viewed as a male-dominated career in Kenya," Wanjuki said.

Kansas milk production up 3 percent

Milk production in Kansas during March 2019 totaled 328 million pounds, up 3 percent from March 2018, according to the USDA's National Agricultural Statistics Service. The average number of milk cows was 164,000.

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strikes against me," Kelemu said. "I was out." It didn't hamper the ambition of the young Kelemu, GRAIN HANDLING **KBS Agri Systems, LLC**

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Yankee Doodle Dandies

Every new generation comes up in a world not of its making, and so youngsters naturally try to find their own way. Parents and grandparents look on with disgust at the rebellion of their offspring. There were flappers in the roaring twenties; "Hot Jazz" in the '30s and '40s; the Beat Generation of the '50s and long hair in the '60s, and so it goes with tattoos and piercings.

In the 1880s the "Dude" garnered all the attention. The term has gone through some changes through the years. The earliest references begin with Yankee Doodle Dandy, a song that most of us were raised to believe had patriotic beginnings. In fact, British soldiers during the French and Indian War of the middle 1700's were appalled at the lack of sophistication within the ranks of the Colonial troops that the British relied upon in their North American war with the French. Young British men prided themselves on their worldly sophistication. Principles of high fashion and cultural refinement guided their sense of civil society.

In Yankee Doodle Dandy the Americans were seen as bumbling fools totally incapable of carrying off an acceptable cultural bearing. But the insufferable Yankees wore their indifference toward British culture as a badge of honor. Being a doodle or foolish dandy was just fine with them. Through the years "dude" was extracted from doodle and became associated with a passionate and pretentious inter-

est in fashion. Newspapers began to take note of "Dudes" in the early 1880s. Dudes were generally privileged young men, born into wealth. They styled themselves after the looks, speech, and mannerisms of English gentlemen. The fad was strong in New York City and was believed to have originated there. However, the folks in Salem, New Hampshire disputed that assumption with the assertion that the term had been coined there. In Salem a dapper young man was a "dude fellow," a small animal was "a little dude," a sweetheart was "my dude" and an athletic youth of the wild type was simply "a dude."

New Yorkers claimed they had picked up the term from an Englishman who remarked, after visiting a rich club, that the young men were

all "dudes." However, it came into popular usage, by 1883 dudes and talk of dudes had spread across the country.

At Emporia the Methodist Episcopal Church sponsored a "Dude Social" at the home of Mr. and Mrs. Thorp. Promenading and social conversation accompanied musical and literary presentations. A dude history precluded recitations, "A Dude Soliloquy," "The Blind Girl of Castle Guile," and "The Dandy Dude." The editor of the Emporia Week-

ly News remarked, "On the whole it was the most enjoyable social ever given by

church." most unlikely places. In southwestern Kansas the Fowler Dude Club threw a "hop" at the Grand Hotel. A notice in the Dodge City Times observed, "The Dude ball came off at time advised. It was one grand fizzle." The editor had already indicated that he was not a fan. A stranger had inquired, "Is there a dude club in this city?" "There is," returned the editor, as he produced a toothpick from his pocket and laid it on the roll-top desk. "That's it, and the first dude that shows his head in this office will be framed with it."

While they might not have liked dude fashion, editors were more than willing to give plenty of attention to the eccentric phenomenon. One editor wrote, "A pair of tight trousers, a cutaway coat, a late style hat and a pair of kid gloves contained yesterday afternoon what is known as a dude... A small mustache that had just gone through the

hands of the barber was being curled by himself, while a light cane was found under his arms." Another declared that, "two for a nickel" dudes have the idea that they are "excelled by none and equaled by few." While another editor having fun with his use of language noted, "The principle of the true dude has been well expressed as nothing too much of anything; not even anything too much of nothing too much." Some of the comments, while entertaining, would singe your eyebrows!

One infatuated woman asked her beau, "Charley dear, I've heard so much about dudes. I want you to get me one." Smiling at her innocence Charley asked, "Would you

prefer a French or German the rage" in more ways than

"I think not," she answered, squirming coyly.

"Well, what shall it be, then?" It was her turn to smile as she said, with an arched look: "A Yankee dude 'll do."

And in 1883 that was the way "The Dude" became "all one on The Way West.

Page 9

"The Cowboy," Jim Gray is author of the book Desperate Seed: Ellsworth, Kansas on the Violent Frontier, Ellsworth, Ks. Contact Kansas Cowboy, 220 21st RD Geneseo, Ks. Phone 785-531-2058 or kansascowboy@kans.com.

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SATURDAY, MAY 11, 2019 — 1:00 PM

South to 250th Drive then 1 1/2 miles West.

John Deere 8650 4 wheel drive tractor, 3 pt. PTO, quad range, needs work; Case 970 Agra

King tractor, power shift, 3 pt. dual hyd; GB loader for Case no bucket, Bob Cat 643 skid steer 4' bucket hyd pump is out; 1985 Chevrolet S10 pickup 4 speed, does not run; 1985 GMC 3500 High Sierra 4 door

weak, 321993 miles;

16-10 drill; Miller 14' offset disc; Cat 12AT motor grader for

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UNCONDITIONAL PERFORMANCE FOR THE TOUGHEST CONDITIONS.



Making history is hard

We are helping Greg Heller and the Fort Harker Guardhouse Museum with a documentary film about the fort. I use "we" in the royal sense of the word. Dr. Jake is recruiting and doing most of the helping. I am... well, I am telling every-

When it is finished, we will share the dates of screenings, but I am sure it will be available at Fort Harker! It is another good reason to stop by and see Old Sarge! Join him on Saturday mornings at 8 a.m. in the Officer's Quarters for

PERSONAL PROPERTY

SUNDAY, MAY 5, 2019 — 11:00 AM

AT 2323 N JACKSON STREET — JUNCTION CITY, KANSAS

FURNITURE & APPLIANCES: Oak: entertainment center, desk,

display hutch; elec. lift recliner; lamps; Flat screen TVs; Pine dry sink; Eden Pure elec. heater; king BR set w/Select Comfort bed, dresser,

chest & nightstand; bookcases; Pine chest; Signature sewing machine in cab.; Walnut dropleaf table w/2 leaves & 4 chairs; Oak dining room

table w/6 chairs; sleeper sofa-queen; Walnut coffee table & end table; State refrig.; Kenmore upright freezer; Bosch washer & dryer-frt. loaders; Turbo Air Cooker. GLASSWARE & COLLECTIBLES: Kerosene

lamps; Fostoria Sandwich plates, divided dishes & others; handpainted German plate; Hull vase & dish set; Czech baby bowl; collectible plates

green glass sq. bottomed mixing bowl; bone china cups & saucers; etched glass handled basket; silver plate serving pcs.; Wolf figurines & plate; Bird plate collection; Antique coffee grinder; 2 wooden ducks;

Wedgewood decanters & butter dish; stained glass; West Germany vase. TOOLS & MISC.: Wii Console-New in box; 2 Aiwa stereo/CD

half & full helmets; Craftsman tool box & hand tools; shop vac; SS gas grill; drill bits; sander; misc. woodworking tools; fishing poles; pictures & frames; Partial Listing ... MANY MORE BOXES TO BE UNPACKED!

LOUELLA SCHMUTZ ESTATE & OTHERS

Terms: Cash, Check or Credit Card. Subject to 5% BUYER'S NRFA. Lunch by White City Christian Church

JAY E. BROWN, Auctioneer, 785-762-2266 • C: 785-223-7555 GREG HALLGREN, Auctioneer

ver w/speakers; DVD & VHS players; fancywork; Harley Davidson

coffee and doughnuts - either in person or on Facebook live.

In the meantime, Jake and the boys (and a few girls) will be playing cavalry and scouts along the Smoky Hill Trail. It is a labor of love for everyone

Dr. Jake devotes so many hours to planning commemorations, anniversaries, and tributes. He has portrayed Lt. Lyman Kidder and Col. George Forsyth. He leads his cavalry tribute troop each year at the Wakeeney State Veteran's Cemetery on Memorial Day. He is a veteran, his dad was a veteran of World War

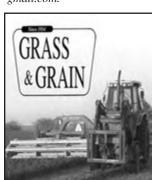
II, his brother a veteran of Viet Nam. Paying tribute at that cemetery is a real labor of love for him, and all those who

When we recreate historic events, portray historic personages, it is a labor of love to recall them, to remind us that our lives are interconnected.

Stories. Story is the heart

of history and it ensures civilization survives, it is the way civilization survives -- by sharing our stories. Stories save us and inspire us, and they transform us. Sometimes we share stories through film, or exhibits (as in our museums), in song and music, but in the act of sharing the stories, we become a part of them... and that is what keeps us moving

Deb Goodrich is the host of Around Kansas and the Garvey Historian in Residence at the Fort Wallace Museum. She is also the chair of the Santa Fe Trail 200 (2021). Contact her a author.debgoodrich@



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Potassium: a farmer's analysis in soil potassium chemistry

production agent, Wildcat **Extension District**

Today we are going to talk about phosphorus' sister nutrient, potassium. While the two have similar aspects in the soil, they are certainly not the same. Understanding the function of potassium in the plant and its forms within the soil can help producers make long-range soil fertility decisions. Focusing on the "why" of soil fertility, rather than the "how much." Potassium is a nutrient

that most of the state doesn't worry much about. However, in the southeast, our native "parent material" rocks in the Cherokee Lowlands (a geological feature covering Labette, Cherokee, Crawford, and Bourbon counties). Parts into the Osage Plains (covering the rest of Southeast Kansas) didn't have much potassium in them. Our background potassium levels are naturally less, so we need to watch our potassium levels closer.

• Potassium in three pools-Potassium (K) in soil is like phosphorus in that it can generally be divided into the groups; solution K, active K, fixed K. Solution P is the only form absorbable by plants. Solution K is by far the smallest of these pools, just 1 to 2 percent of total K in soils, but still a couple hundred pounds per acre. However, roots don't completely fill the soil. Only a portion, around 10 percent of that solution K can ever be reached. Active K can easily be desorbed off of the cation exchange surfaces. Since plants can only reach a portion of solution K with their roots, active K must constantly be desorbing into solution during a growing season. Fixed K will take decades or centuries to come out of the soil and rocks, as it is bound within the

actual structures of the sand.

corral and storage van for supplies.

Property taxes: Approximately \$3,388.00.

silt, and clay itself. This pool is somewhere in the thousands of pounds per acre or near 1 percent of the soil. Nearly all of it completely unreachable by today's plants (and farmers). • The potassium soil test

- Like every other soil test result, the results for K are just a test index trying to capture a certain amount of the solution K and exchangeable K. A soil test with 130 ppm result is considered optimum for most agronomic crops, but that is only around 260 lbs. of K (in the top six inches). Researchers have calibrated their fertility recommendations to the test itself, not the actual quantity of nutrient in the soil.

• Compounds of potassium

- Potash, which literally means

ash from a pot, is a misnomer

from when we used to get

our K fertilizer from boiled

down lye water. Now, potash

is mined and most potash in the U.S. is imported. Fertilizer is it represented as K2O, but fertilizer is actually potassium chloride, KCl, potassium sulfate, K2SO4, or potassium nitrate, KNO3. Plants adsorb potassium only by itself as K+. • Potassium and pH - In comparison to phosphorus and most of the micronutrients, K is not really affected by soil pH as much. In extreme pHs the K+ ions can complex in insoluble forms, but other nutrients will be a bigger problem before this happens. Like all nutrients, K moves with soil

water, which is why K fertilizer could have a bigger response

in dry years. Potassium also

needs oxygen in the soil to get

into the plants roots so adsorp-

tion is an issue in waterlogged

soil as well. Temperature is an-

other important component for

K adsorption, slowing down

when soil temperatures drop

below 60 degrees. This is why

K deficiencies can happen in

early planted corn even when

background K levels are plen-

LAND AUCTION • Clean Native Grass Pasture

151 ACRES m/I PAWNEE COUNTY, NEBRASKA

SATURDAY, MAY 11, 2019 — 10:00 AM

Bern, KS Community Center, 416 Main Street • BERN, KS

Land Location: From Dubois, NE, go 5 miles north on Hwy 50.

Property is on north side of Hwy 50 at bend in the road, that leads

west to Pawnee City, NE. From Pawnee City, NE, go east 7 miles

on Hwy 50, pasture is on North side of Hwy 50. Legal Description: NE ¼, 27-2-12 Pawnee County Nebraska

(Excluding approximately 4 acres in NE ½ with residential home

General Description: Property has approximately 121 acres of native grass, 30 acres of bottom grown currently seeded to brome grass. Good fences, cross fenced with good ponds. Rural water,

Real Estate Firm Comment: IMMEDIATE POSSESSION the day

of sale with a check for 10% down. Easy access pasture, hard to

Terms: 10% down auction day with balance due on or before June

11, 2019. Buyer and seller will equally split all closing cost of this land and equally split all closing cost for Joe Stietllilc Law Office,

Pawnee City, Nebraska. Statements day of sale take precedence

SELLER: JOHN D. HUNZEKER

Auction Conducted by: SENECA REALTY, INC. Mike Kuckelman - Broker, 785-294-1038

Dale Wilhelm - Auctioneer/Sales, 785-336-3501; cell: 785-294-8569

www.senecarealty.net

over printed material, Seneca Realty represents seller's interest.

find clean native pasture, you need to drive and check it out.

ty high enough for later in the season. It is also why K fertility is vital for wheat in late fall and early spring.

· Potassium important to plants - Potassium is the regulator in plants. It regulates CO2 into the leaves, water into the roots, and the creation of many enzymes. Plants deficient in K have a harder time with temperature changes and reduction in drought resistance. Wheat (and likely alfalfa) has a harder time surviving hard winters without adequate K, and, like was discussed earlier, comes at a time when K adsorption is reduced by low

temperatures. Potassium deficiency symptoms - Deficiency in K look a little different in every crop, but there are some similarities. It is normally shown by a yellowing at the tips and along the veins of older leaves. Plants might have a "hidden hunger" for K long before they show deficient symptoms.

· Potassium luxury consumption - Unlike phosphorus, plants will tend to adsorb more K then they need in what is called luxury consumption. This is less of a problem in grain production as most K is stored in stover that is returned to the field. In hay production. there is a cost to excessive K fertility lost in excessive plant uptake. This is not to say it's not a good idea to "build" background K levels to agronomic optimum but adding well beyond needed levels has

an extra cost.

· Potassium Fertility -Under adequate fertility, grain crops take between 20 to 50 lbs. of K during harvest. Hay crops, however, can take between 200 to 300 lbs. of K from the field every year. This is why it is hard to start off a hay field with low K levels. because it is nearly impossible to apply all the K fertilizer to keep background K levels up. This is why just enough K fertilizer is applied to get the crop through the year, even if background K levels will slowly drop in time. Fortunately, K is more mobile in the soil than phosphorus and does better being top-dressed in no-

till and hay pastures. This detailed focus on one specific nutrient is to give a more well-rounded understanding of soil fertility, beyond just talking about how much fertilizer is needed. If you have any questions about crop fertility or would like me to take a look at some suspected disease or deficiency issue, please give me a call.

For more information, contact James Coover, Crop Production Agent, jcoover@ksu. edu or (620) 724-8233.

SATURDAY, MAY 4, 2019 -

Auction will be held in Kenwood Hall at the Saline Co. Expo 900 Greeley in SALINA, KS guitar; 2 other guitars; 1957 bles; post cards; war bonds;

ANTIQUES & COLLECTIBLES 200 pin backs inc: (Lincoln, McGovern Eagleton, Dewey, Nader, Carter, Nixon, Bush, Kerry, LBJ, Obama, Collins, McCain, Wallace, Roosevelt, Moran, Gore, Dole, Landon, Kennedy, Ike, Willkie, Clinton, others); Al Smith & Alf Landon car signs; 6 BB guns all Plymouth Mich: Hopalong Cassidy cups; 25 cap guns (Roy Rogers, Cowboy, Hubley, other); Roy Rogers (horse shoes & Auburn sets, lantern, flashlight, horse, sign, picture, truck & trailer); Fisher Price toys; 100 Hot Wheels (20 red line & cases); 100 Match Box; windup toys; steel banks (Presto, Servel Electrolux, other), doll furniture; 1945 ship; violin; steel

The Lone Ranger new record; 75 records inc Elvis; child's books inc: Roy Rogers; 200 comic books (10 cent, 12 cent & 15 cent): 40 Gene Autry comics; 20 Breyer horses; 50 Pez dispensers; 8005 Lionel train; dominoes; 200 Fenton shoes; 20 Westmorland love birds; Marv's Henhouse chickens: 50's salt & pepper; nodder salt & pepper; juicers; red glass; Fire King; perfume bottle; hen on nests; glass baskets; Imperial slag glass tobacco jar; apple cookie jars, grease salt & pepper; collector insulators; 100 straight razors; 10 razor straps; barber bottles: 50 mustache cups: other barber items: 100 tins; bottles; pop bottles; marstamp album; Signs (Quaker State, Cappers, Farmer, America Part, church, streets); brass candle stick telephone; jars inc: Liahtina blue pint, purple Chef jar; car side lights; brass lanterns; wooden Herters Inc 1893 duck; 8 place set William Rogers flat ware; linens; quilts; sprinkling can; pitcher pump; 6 gal Ruckles crock; Case IH toys; coffee grinder; drills; assortment games; Railroad Savings belt buckles; collector books: vard sticks; egg scale; lunch boxes; barbed wire; Fishing poles, steel, tackle, wood lures, other fishing items; 15 spittoon's; assortment of other items.

NOTE: We have combined 2 collections, the collectibles are very good. Assortment of glass, several unusual Fenton shoes, many nice pieces. Check our website for pictures www.thummelauction.com.

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

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TWIN ARM 3PT BALE UNROLLER\$1,300.00

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SATURDAY, MAY 11, 2019 -10:00 AM

Hurlbert Hall, CiCo Park (Just South of Avery & Kimball) — MANHATTAN, KANSAS Beautiful 54-drawer Oak cab-2 Jazzy power chairs; Life train-Island, Case & John Deere planter boxes; Case Eagle cast

inet; Victrola; 1930's sofa & chair; wooden cabinet; 2 recliners; 5 wooden ice cream chairs; 4 vintage wood folding chairs; Walnut coffee table; table & chairs: wooden 4-drawer file cabinet; wooden/wicker rocking chair; Military metal bunk beds round copper tub; old school desk; vintage high chair; stools; metal desk; 2 folding canvas chairs; WWII Imperial Japanese surveying transit; Army challenge coins; Medallions; costume jewelry; Disney wall hangcrank desk telephone; Aladdin lamp; kerosene lamps; mantel & other clocks: Structo trucks: slot cars with track: Tovs (farm & miscellaneous); mini cannon; food grinders; Schwinn bicycles; large wind chimes; floor & desk lamps; Microscopes; bird cage; Timex watch cases; nail aprons; 1950's Esquire magazine; bird & mammal identification manuals; vintage radios; 5 gallon glass bottle; 5 gallon pig jar; 2 ½ gallon pickle jar; 3 milk carriers for one gallon bottles; printing press & letter set; 2 glass human head wig stands; overhead projector & cart; small microwave; mini re-

frigerator; adding machine.

er exercise machine; Milford patient lift: bedside commode: bathtub lift; canes; rollator walkers; toilet risers.

Hog oilers; large cast iron kettle; book press; Toledo platform scales; brass National cash register; John Deere pedal tractor; copper boilers; wooden chicken crates; kitchen, hide & postage scales; leather chaps; leather mule collar; yardsticks; nail pullers: buck saws: crosscut saws; post drill; post vises; lantern; vintage wooden press; snow sled; belt buckles; old camera collection; implement toolboxes (Fordson, Massey Harris, Case); pocketknives; kitchen knives; straight razors; carving sets: wood cigar boxes: milk & cream cans; glass milk & cream bottles; Bullet pencils; mechanical pencils; Advertising pens & pencils; vintage pencil sharpener collection; insulators; letter openers; Handy oil tins; oil cans; 5 gallon gas/oil cans; 10 & 4 gallon Red Wing crocks (damaged); ice cream freezers & scoops; vintage tins & boxes; shoe repair items; Hwy 40 & I-70 signs; Rock

iron plate; old auto headlights; 11 cast iron sewing machine treadles; cast iron ceiling/floor grates; 12 plumbobs; wooden strawberry boxes; toolboxes; small incubator; feeders & waters; cages; tiered cages; brooder; meal US Army signs & wooden footlockers; 5 gal-Ion Army gas cans; mule deer mount; antlers; skulls; wooden Teachers Whiskey box; cast iron seat; pulleys; wood type set cabinet (7-drawers); Bee equipment (smoker, hive box, book); large seashell collection. 3 1/2HP Penney's boat motor; fishing equipment (lures, rods, reels & tackle boxes); ice fishing auger; camping stove; decoys (newer); 5 vintage round hoop fish trap; roto-tiller; galvanized water tank; Sears seed planter; push fertilizer spreader; push cultivator; bench vise; miscellaneous tools; silage fork; smoker; log storage rack; small galvanized

wash tubs; seal presses; live

traps; portable windows; gas

wall heater; storm windows;

MANY MORE ITEMS. NOTE: Many items still being uncovered. Myron collected many interesting things. MYRON SCHWINN ESTATE, JODY SCHWINN

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Grass & Grain Area **Auctions and Sales**

Online Agriculture Equipment auction (begins to end May 1) — 125+ items sell regardless of price including 2010 Crustbuster 4030 All Plant grain drill, JD 1770 Max Emerge, 2006 JD 8130 MFWD tractor, livestock trailers, tandem disks, square balers, flex heads windrowers. cultivators & more at www. purplewave.com. Auctioneers: Purple Wave Auction.

April 29 — 2,280 acres m/l of Barber County land in 4 parcels including cropland, pasture & ponds held at Medicine Lodge for J-Paul Magnison Estate & Heirs. Auctioneers: Hamm Auction and Real Estate, John Hamm.

April 30 — 638.1 acres m/l all native grass Ottawa County land with 5 ponds & springs held at Minneapolis. Auctioneers: Coldwell Banker Antrim-Piper Wenger, Realtors. Chris Rost, Mark Baxa.

May 1 — Tractor, sprayer, combine, semi trucks, trailers, farm equipment & more farm items held at Leoti for Whalen Land & Cattle. Auctioneers: Berning Auction, Inc.

May 2 — Vehicles included 2006 Hummer H3, 2010 Mini Cooper, enclosed trailer, tools, jewelry & much more at Gardner for seized assets for the Kansas Dept. of Revenue. Auctioneers: Ruckert Realty & Auction. May 2 — House, content

of the house & guns held at Clay Center for Linda Kane & the Dan Kane Estate. Auctioneers: Clay County Real Estate, Greg Kretz, salesman & auc-

May 3 (Friday) - Real Estate (3BR house & 2 corner lots), farm machinery including Case Agra King 970 dsl tractor, Case 900 diesel tractor, 1954 Chevy Red 6400 truck, antiques, household & misc. held at Beloit for Mike Waddell Estate & Florine Walker. Auctioneers: Gerald Zimmer Auction & Real Estate.

May 3 & 4 (2 days) — Huge tool auction including approx. 10,000 high quality tools off some of the biggest jobsites in the country, several storage containers, job boxes & thousands of tools & equipment sold both days with 2 rings both days held at Tonganoxie. Auctioneers: Hiatt Auction, LLC., Dan Hiatt.

May 3 & 4 — Selling May 3, Day 1: Tools, shop items, large collection of agricultural-related metal signs (some dating to the 1950s), collectible grain elevator equipment, lots of misc. farm collectibles; selling May 4, Day 2: Large collection of old German dishes, salt dips & lots of other collectibles, furniture & household held at Westphalia for the private collection of Dennis & Shirley Nolan. Auctioneers: Kurtz Auction & Realty Ser-

May 4 — Shop items, mechanics items, 2001 & 1999 Harley Davidson cycles; IHC 2500 Series backhoe, 8N Ford tractor & more at Burrton for Robert & Pamela Redinger. Auctioneers: Auction Specialists, LLC.

May 4 — Real estate 80'x48' metal building w/ overhead doors, office & storage area, Hwy. 50 frontage held at Burrton for Robert & Pamela Redinger. Auction-

eers: Midwest Land Specialists, Inc., Vern Koch.

May 4 - Pickup, lawn mowers & equipment, mower & UTV related items & misc. at Hesston for Excel Industries, Inc. Auctioneers: Van Schmidt Auctions.

May 4 — Coins including FE cents, IH cents, wheat cents, Morgan & Peace dollars & more held at Portis. Auctioneers: Wolters Auction.

May 4 — Tractors, combine, headers, trucks, trailers, Trimble CXF-750 auto steer system, machinery, equipment, misc. at Lost Springs for Bill & Peggy Falen. Auctioneers: Leppke Realty &

May 4 - Real Estate (150 acre farm in 3 tracts), vehicles, tractors, field & livestock equipment, shop tools & misc., household & collectibles at Benton for Glen F. & Arla Shore. Auctioneers: Morris Yoder Auctions.

May 4 — Antiques & collectibles including political pin backs, cap guns. Hot Wheels, Match Box, comic books, tins, signs & much more at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

May 4 - Horse-drawn equipment, tractors, machinery, Kawasaki Mule, primitives & shop items held NE of Council Grove for Lloyd & Marlene Florence. Auctioneers: Hallgren Real Estate & Auctions LLC.

May 4 — Tractors including 1965 Case 941 & others, 1951 Chevy 1 1/2 ton grain truck, Gleaner Model A combine, equipment & tools, antiques & collectibles, paper & local advertising items, primitives, household & misc. at Burns for property of Stan & Karen Saner. Auctioneers: Griffin Real Estate & Auction

May 4 — Pickup, automobile, generator, antique furniture, pottery, glassware, framed prints, collectibles, primitives, household & misc. held at Beatrice, Nebraska for Mary Ann Kreuscher & the late Allen Kreuscher. Auctioneers: Jurgens, Henrichs, Hardin Sommerhalder.

May 4 — Household, tools, 8N Ford tractor & attachments held at Clyde for Dave & Reva Coash Estate. Auctioneers: 5A Auction Service, Greg Askren.

May 4 — Consignment auction held at Salina. Auctioneers: Wilson Realty & Auction Service.

 Farm auction including tractors, truck, hay equipment & misc. held at rural Eudora for Philip & Charlotte Brecheisen. Auctioneers: Elston Auctions.

May 4 & 5 — Tractors, combines, headers & grain carts, industrial, trucks & pickups, antique & misc. vehicles, trailers, lawn, garden & RVs, farm & hay equipment, planters & drills, livestock equipment & tanks, 3 pt. & small farm equipment, shop equipment & tools, lumber, irrigation equipment, toys & collectibles & more at Larned for 2-day Spring Farm, Shop & Toy Consignments. Auctioneers: Carr Auction & Real

May 5 — Furniture, appliances, glassware, collectibles, tools & misc. at Junction City for Louella Schmutz Estate

125+ ITEMS SELL REGARDLESS OF PRICE!

AGRICULTURE AUCTION EQUIPMENT AUCTION

WEDNESDAY, MAY 1

& Others. Auctioneers: Brown Real Estate & Auction Service, LLC.

May 5 — Real Estate (2 bedroom, 1 bath home), 2002 ext. cab Ford Ranger 4x4, Lund fishing boat, household, collectibles, tools & much more at Manhattan for Estate of the late Mike & Jean O'Malley. Auctioneers: Ruckert Realty & Auction.

May 5 — Antiques & collectibles including guns & ammo, furniture, clocks & parts, vintage radios, military, lamps, paper & more at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

May 5 — Vehicles, RVs, firearms, lawn & garden, furniture, collectibles, antiques & more at Wamego for a Benefit Auction for Wamego First United Methodist Church. Proceeds go to the thriving youth ministry of Wamego. Auction Service donated by Crossroads Real Estate & Auction, LLC.

May 5 — Real Estate (3 BR, 1 1/2 BA ranch-style home on 5.7 acres m/l) & personal property held at Carbondale for Nancy Gordon. Auctioneers: Miller & Midyett Real Estate, Wayne Wischropp.

May 7 - 157.9 acres m/l of Marion County land (investment, recreation, Flint Hills high grass, North Middle Creek, tillable land) held at Cottonwood Falls for property of Brad Matz & Sharon Matz. Auctioneers: Griffin Real Estate & Auction Service, LC.

May 7 - Household & collectibles including a Lyon piano Forte (circa 1700-1860), antique furniture, costume jewelry, magazines, glassware, perfume holders & more at Jewell for Susie McCarty. Auctioneers: Thummel Real Estate & Auction, LLC.

May 8 — 288 acres m/l of farmland & pasture in southern Ottawa County held at Salina for Tiffany Slothower, Christopher Hawk & the Revocable Trust of Farril G. Hawk. Auctioneers: United Country Real Estate-Crossroads Auction & Realty.

May 10 — Tractors, pickup (1999 Ford F150 XLT), farm machinery, New Circle D trailer, cattle equipment, 1993 Play Craft 24' pontoon boat, lots of nice tools, antiques, collectibles, hunting & fishing items & misc. farm supplies at Portis for Roger Miller Estate. Auctioneers: Wolters Auction & Realty.

Ford 1210D tractor, Miller Bobcat, generator, welder, hand & shop tools, parts shelves, tool boxes, 1974 Fastline BP trailer, van trailers, lots of salvage & more held near Berryton for Mrs. Joe B. "Darlene" McCarter. Auctioneers: Wischropp Auctions.

May 11 — Antique & collectible very old Snooker table, antique furniture, collectibles & more at Alma for Carl & Margie Geisler Estate. Auctioneers: Murray Auction

May 11 — Furniture, appliances, household goods & collectibles, beautiful crocheted table clothes & bedspreads, many from Belgium & more at Clay Center for Katie Mall Estate. Auctioneers: Kretz Auction Service, Greg Kretz.

May 11 — Vehicle (2013 Ford F150 Platinum Eco Boost pickup), boat, mowers, trailer, ATV, shop & woodworking tools, fishing, outdoor & appliances, chainsaw wood carvings & more at El Dorado for Lonnie & LaDonna Snook, Auctioneers: Sundgren

May 11 — Tractors, vehicles, equipment & salvage, tools & shop items, hunting & camping, antiques & collectibles, household & more held at Americus for property of Dema Luginsland & the late Loris Luginsland. Auctioneers: Griffin Real Estate & Auction Service, LC.

May 11 — Beautiful 54-drawer oak cabinet, Victrola, furniture, military collectibles, antiques, 2 Jazzy power chairs, cash register, pedal tractor, collectibles, bee equipment, seashells, boat motor, fishing equipment held at Manhattan for Myron Schwinn Estate, Jody Schwinn. Auctioneers: Gannon Real Estate & Auctions.

May 11 — Furniture, appliances, glassware, collectibles & misc. at Junction City for Wilhite Moving & Storage auction. Auctioneers: Brown Real Estate & Auction Service, LLC.

May 11 — 151 acres m/l of Pawnee County, Nebraska clean native pasture land held at Bern, KS for John D. Hunzeker. Auctioneers: Seneca Realty, Mike Kuckelman,

May 11 — Tractors, trucks & machinery, antique furniture & guns held North of Lucas for Wendell Robinson Living Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

May 11 - Truck, lawn equipment, collectibles, household & misc., quilting supplies, jewelry & more at Baldwin City for Paul L. Boedeker. Auctioneers: Elston Auctions, Mark Elston & Jason Flory.

May 11 — Real Estate (4.7 acres m/l, 3BR, 2BA modular home; Morton building & more) and personal property held near Manhattan for Gary & Terri Ritter. Auctioneers: Cline Realty & Auction, LLC.

May 11 — Autos including 2010 Dodge Dakota Lone Star, 2005 Suzuki Aerio SX, 1991 Mazda Miata convertible, tandem axle car trailer, tools, tons of building supplies, furniture, household, collectibles, Schumann 1880s baby grand piano & more held at Salina for Mike & Phyllis Flory, et. al. Auctioneers: Baxa

Auctions, LLC, Mark Baxa. May 14 — 160 acres m/l of Geary County land including pasture, brome, hay meadow, wildlife habitat and pond held at Junction City. Auctioneers: Gene Francis & Associates Real Estate Brokers & Auc-

June 15 — Large auction with guns, great tools, mowers, trailers, camper trailer, household at Burlingame for Dick & Dorothy Kohout. Auctioneers: Wishcropp Auctions.

May 16 — 146.8 acres Cloud County cropland & trees held at Concordia for Trinity United Methodist Church. Auctioneers: Thummel Real Estate & Auction,

May 16 — 489 acres m/l Ottawa County farmland offered in 4 tracts held at Minneapolis for Solomon State Bank. Auctioneers: Clay County Real Estate, Greg Kretz, salesman & auctioneer. May 18 — Trucks, trail-

ers, tractors, ATVs, machinery, haying & livestock equipment held near Maple Hill for Mill Brae Ranch. Auctioneers: Rezac Auction Service.

May 18 — Pickups including a 1961 Corvair 95 pickup, cars including a 1962 Corvair Monza, advertising including auto signs, oil signs, tire signs & more held at Junction City for Pat Powers Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

May 19 — Over 150 guns at Salina for consignment auction. Auctioneers: Wilson Realty & Auction Service.

May 20 - 76.3 acres m/l of Lincoln County farmland held at Westfall for William Patton. Auctioneers: Thummel Real Estate & Auction, LLC. May 21 — 188 acres m/l of

Riley County pastureland with

pond & spring held at Keats for Carl & Lorene Sinn. Auctioneers: Gannon Real Estate & Auctions. May 21 — Pottawatomie County land with potential building opportunities held at

Wamego for Rawson Family.

Auctioneers: Crossroads Real

Estate & Auction, LLC. Online Auction Opens May 22, 10 a.m. (begins to close May 29, 10 a.m.) -Selling tractors, trucks, equipment & more held online at www.dlwebb.com for Vern & Karen Knoche. Auctioneers: Dave Webb, Webb & Associ-

May 25 - Farm machinery & collectibles held at Home City for Keith & Donna Fincham. Auctioneers: Olmsteds & Sandstrom.

ates, Auctions & Appraisals.

May 25 — Crocks including 99 Red Wing, mini advertising jugs, churns, Mercury

jugs, salt glaze, Union ovals & more and advertising & collectibles at Salina for Charles Tincher. Auctioneers: Thummel Real Estate & Auction,

May 26 — Advertising auction including signs, clocks, thermometers, bottles, Coke trays, menu boards, buttons, KU items, coffee tins, Original 1896 Wheeling Pottery Coca Cola syrup dispenser at Salina for Bill Tackett Collection. Auctioneers: Thummel Real Estate & Auction, LLC.

May 27 — Furniture, signs, collectibles & toys at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

May 28 - 146.95 m/l farmland acres held at Salina. Auctioneers: Horizon Farm & Ranch Realty, LLC. June 1 — Real Estate (2 BR, 1 BA home) & person-

al property held at Wamego. Auctioneers: Crossroads Real Estate & Auction, LLC. June 1 — Cars including 1929 Plymouth, 1936 Buick, 1939 Packard, 1948 Oldsmobile, buggys, car collectibles & other collectibles held at

Junction City for Lacer Family Collection. Auctioneers: Thummel Real Estate & Auc-June 1 — IH Farmall collector tractors, trucks, tractors, equipment, toys, household &

much more at rural Lawrence for Ron & Dolores O'Neil. Auctioneers: Elston Auctions. June 8 — Auction at Lawrence for Roger & Sue Pine.

Auctioneers: Elston Auctions. June 15 — Collector cars

including 1968 Chrysler Imperial Crown, 1966 Chevy Corvair Monza, 1955 Chrysler New Yorker, 1961 Volkswagen Beetle, 1936 Ford, 1924 Ford Model T & more, trucks, tractors including 1938 Mc-Cormick Deering, engines & collectibles, motorcycles, lawn equipment & tools held at Russell for Russell T. Townsley Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

June 15 — Collector truck, vehicles, tractor, nursery items, tools, hunting, fishing, household & much more at Basehor for Eva Bates Trust. Auctioneers: Elston Auctions.

June 22 — Auction to be held at rural Baldwin for Chris Ogle. Auctioneers: Elston

June 27 & 29 — Selling 6-27: tools. Selling 6-29: Antiques, collectibles, household & more both days held at Salina for Glen & Elaine Headley. Auctioneers: Thummel Real Estate & Auction.

AUCTION

IUESDAT, MAT 1 2019 DIUU PIVI Auction will be held in the Community Center on the South side of the square in JEWELL, KS

HOUSEHOLD & COLLECTIBLES Lyon piano Forte (Circa 1700-

1860) Mfg by Lyon of London; Tell City hutch; oak library table; tea cart; rocker; pink love seat & couch; coffee table; end tables; platform rocker; leather chair; table lamps; rugs; ewer; pictures; GE fan; hall tree; pine base cabinet; metal yard chair; stair banister; wooden stool;

bikes: wooden planes: black telephone; large assortment costume jewelry; 1964-65 Look magazines; post cards; purses; Boy Scout medical kit; sets colored bowls; silverware; milk bottles; Mason jars; dresser mirror; shadow box; Southwest pieces; Southwest figures; animal figurines; dolls; antique lamp; vases; weaving loom; 1930 blue & yellow Homer

Laughlin china; tea pots; blue bowls; crystal dishes; 12 place set Snowman dishes; snowman silverware; cross collection; bird vases; perfume holders: angels: sea shells: metal bowls; kitchen items; turkey roaster; motorcycle helmet; garden items; luggage; assortment dishes; assortment of other items.

Note: Susie has moved to Oregon and is selling her remainder items. Check our website for pictures at www.thummelauction.com

SUSIE McCARTY

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

ANTIQUES & COLLECTIBLES Alexandria doll: Royal Copley sulators; George Washington

Guns & ammunition; brass bed; Victorian bookcase; wal-

pottery: Gongfater pottery: stain glass Mission lamp; 10 electric Aladdin lamps; collection floor lamps; cranberry glass; mini lamps; assortment other glass; shaving mugs; stain glass blow out lamp; lithographs & etchings; Maxfield Parrish; sterling jewelry; Indian jewelry; Indian blankets; watches; collection jewelry broaches rings watches necklaces bracelets ear rings; quilts; sterling silver; violin; Persian rugs; post cards & albums; Masonic items; brass bladed fan; Religious items; drug store jars; Indian & stone bowl; Kachina dolls; swords & hunting knives; wooden duck decoys; turkey feet; kitchen salesman samples; yard long photos; tin types; Daguerreotypes; gas light fixtures; oak architectural & hardware brass from Kansas State Capital; large cast iron book press; oil paintings; hunting calendars & books; magazines; boxes & containers; Flags; buffalo water bottle;

Mason picture; cowboy lamp; worlds fair items; pop bottles; fruit jars; wooden telephones; wood light up telephone sign; deer feet gun rack; wall heating grates; Mexican pottery; 1894 Santa Fe rr instruction book; deer horns; RR pipe wrenches; razors; ice cream scoops; yardsticks; wall telephone; wood skis; Stare optic viewer & photos; 500 pc sheet music; (1900-1930); Look Life Companion Country Gentleman, Saturday Evening Post, Women's World magazines; Mickey Mantle, Jackie Robinson posters; Kennedy magazines; beaver cowboy hat; signed fighter pilot photo; White House coffee tin; wooden Masonic urn & cast symbols; silver trays; road maps; lumber yard display cases & bakers shelves; marbles; Hot Wheel shooter; New York adv card table: Christmas items; small sailboat; child's horse on wheels; instruments; Driesenberg car radio; large assortment of other collectibles.

4030 All Plant grain drill Max Emerge Plus planter 8130 MFWD tractor INVENTORY INCLUDES: livestock trailers, tandem disks, square balers, flex heads, windrowers, cultivators and more. All items are sold "AS IS." 10% buyers premium applies. 866.608.9283

DF4416 John Deere 1770

BID NOW!

FA9612 '10 CrustBuster

purplewave.com

FA9614 '06 John Deere

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

nut marble top dresser; curved glass china cabinet; oak secretary Morris chair; 2 Deacons chairs; round oak table; 6 claw foot chairs; 3' cylinder display cylinder phonograph;1920-30 couch; cherry rockers; bird cage; assortment of other oak & pine; trunks; wicker tables, chairs & floor lamp; 2 Grandfather clocks; 4 hardware store racks; large assortment clocks & parts; tin windup toys; WWII plastic cars trucks; split bamboo fly rods reels; 20's, 30's & 40's radios; wood, metal & paper signs; oil cans; Sinclair blow up Dino; glass eagle Redman grease; Vietnam, WWI, WWII, Nazi, German items; military clothes; Military photo's & metals; assortment good dolls; electric trains; RR date nails; RR locks & keys; Santa Fe tools; railroad oil cans; Santa Fe rail adapters; pocket knives; Roseville; set Limoges china; carnival glass; cut glass; Art youth cowboy blanket, guns & holsters; records; bronze

sculpture; blue telephone in-

glass; depression glass; wax Note: This is a large auction. Check our website for pictures at www.thummelauction.com 785-738-0067

Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC



ON THE EDGE OF COMMON SENSE

Cow Polygamy

I was visiting with Lisa after their bull sale this spring. She remarked on the overabundance of bulls for sale around the country this year. Competition is stiff. She said

she counted the number of bulls advertised on Superior Livestock video and figgered if they were placed end to end they would reach farther than you could point!

Her husband Lee, ever the deep thinker, pondered on the dilemma and came up with the perfect modern genetic answer; outlaw polygamy in

By gosh, I thought, a solution that fits the times. One bull per cow. But then I began to think it through.

Would each cowyage (as opposed to marriage in horses) be intended for life? Or would we allow for divorce and recowyage (or dehorse and remarriage)?

Would calf-support pay-

ments then be required till the calves were of weaning age or shipping whichever came first? And would a heifer that calved out of cowlock be declined subsidy payments and hay stamps if she was still a yearlin'? Would a cowyage pair be

allowed to mingle with other cowyaged couples in the pasture? Could both the bull and the cow be trusted to ignore the lip curling, tail rubbing and perfume of others? Would they stoically pay no attention if sidled up to and mounted by

a less disciplined member of their community? Or would each couple be

fenced in a small enclosure; loosely based on a suburban housing development? One where each morning the bull would be driven to an 8 to 5 field with other bulls to spend the day grazing and grumbling about the rancher, the bullfights in Mexico City and how alfalfa ain't what it used to be?

Would the cows, likewise, drop their calf off at day care and go to their respective cow field where they'd eat grass, talk about their calves and share fantasies about bull pictures in the Artificial Insemination calendar?

Would cowyages be arranged or would courtship be allowed? Would chaperones be required at the weaning

If a bull was caught posing as a molasses salesman and making unwanted advances at the housecow, would he be hamburger at sunrise?

After considerable rumination I have concluded that trying to work out the details of outlawing polygamy in cows might put an end to it before it began. Even if we passed the law, the plan would probably fail anyway. Cows have never felt guilty about practicing polygamy in the first place. And no amount of political correctness training or moral browbeating would make these now consenting polygamists consider asking that basic question. The one that separated cowkind from mankind..."I know you love me but will you respect me next estrus?"

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482@164.00

436@162.00 443@161.00

415@161.00

496@161.00

459@160.00 480@160.00

473@159.00 516@157.00

521@157.00

572@156.50

510@155.00

566@155.00

542@155.00

573@154.50

559@153.00

578@153.00

626@152.00

637@151.50

693@151.00

633@151.00

624@150.00

631@150.00

678@148.00

675@147.00

700@141.00

710@137.50 740@137.00

765@137.00

750@134.50

770@133.50 834@132.50

846@132.00

818@128.25

842@127.75

2065@82.50

1605@82.00

1955@80.00

Newton

Solomon

Randall

Claflin

Salina

Tescott

Randall

Oakhill

Salina

Abilene

Lehigh

Ellinwood

Osborne

Geneseo

Whitewater

McPherson

Nelson, NE

Clay Center

Lost Springs Longford

Ellinwood

Minneapolis

Lost Springs

Solomon

AUCTIONS EVERY

Selling Hogs & Cattle every Monday

MONDAY & THURSDAY

RECEIPTS FOR THE WEEK TOTALED 4,823 CATTLE & 8 HOGS. **STEERS** 323@183.00

6 mix

3 blk

28 blk

5 mix

7 blk

4 blk

5 blk

8 blk

4 blk

12 mix

22 mix

13 blk

9 mix

2 mix

5 blk

4 mix

300-400	\$200.00 - 213.00		
400-500	\$195.00 - 207.00		
500-600	\$180.00 - 188.00		
600-700	\$172.00 - 183.25		
700-800	\$150.00 - 160.00		
800-900	\$137.00 - 148.25		
900-1,000	\$125.00 - 133.50		
HEIFERS			
300-400	\$175.00 - 186.00		
400-500	\$170.00 - 180.00		
500-600	\$152.00 - 164.00		
600-700	\$140.00 - 152.00		
700-800	\$130.00 - 141.00		
800-900	\$120.00 - 132.50		

			4 mix	Geneseo
THURSDAY, APRIL 25 FEEDER SALE:			13mix	Lost Spri
STEERS			10 mix	Lyons
7 blk	Solomon	332@213.00	17 blk	Osborne
7 blk	Tescott	373@210.00	6 blk	Claflin
21 blk	Solomon	430@207.00	5 blk	Whitewat
3 blk	Newton	323@206.00	10 mix	Ellinwood
9 blk	Randall	443@201.00	13 mix	Salina
8 blk	Abilene	419@199.00	13 mix	McPhers
38 blk	Solomon	492@196.00	7 mix	Lost Spri
6 blk	Lincoln	459@196.00	4 blk	Longford
9 mix	Clay Center	405@195.00	4 blk	Tescott
4 blk	Culver	426@194.00	15 blk	Claflin
3 blk	Bennington	460@192.00	20 blk	Nelson, N
20 mix	Clay Center	476@190.00	10 red	Salina
5 blk	Lincoln	556@188.00	2 blk	Gypsum
17 mix	Osborne	402@186.00	3 blk	Clay Cen
8 mix	Geneseo	519@186.00	12 red	Claflin
2 blk	Randall	508@186.00	14 blk	Claflin
10 char	Ellinwood	508@184.00	13 char	Ellinwood
9 char	Wakefield	601@183.25	2 blk	Tescott
14 blk	Claflin	559@183.00	18 mix	Carlton
8 red	Claflin	603@181.50	16 red	Salina
4 blk	Hunter	561@181.00	12 blk	Longford
15 blk	Claflin	614@180.50	44 blk	Lincoln
17 blk	Claflin	628@179.50	19 mix	Newton
16 mix	Lost Springs	606@178.00	2 blk	Solomon
3 blk	Tescott	583@178.00	21 blk	Hope
7 mix	Lindsborg	606@177.00	45 blk	Lincoln
10 blk	Claflin	675@175.00	10 mix	Newton
7 blk	Wichita	671@174.00	130 mix	Gypsum
14 red	Claflin	684@173.50		,,
9 blk	Carlton	662@173.00		MONDA
2 red	Wilson	608@173.00		CATTLE
10 blk	Lincoln	668@172.00		С
14 mix	Carlton	694@170.00	1 blk	Salina
2 blk	Tescott	658@170.00	1 red	Salina

MONDAY, APRIL 22			
CATTLE & HOG SALE:			
		CALVES	
	1 blk	Salina	225@475.00
	1 red	Salina	230@450.00
	1 blk	Wilson	165@435.00
	1 blk	Wilson	170@385.00
	1 blk	Wilson	140@385.00
	1 blk	Agenda	155@385.00
	COWS		
	1 blk	Hutchinson	1530@73.50
	1 bwf	Bushton	1555@69.50
	2 blk	Abilene	1740@69.50
	1 bwf	Chase	1560@68.50
	1 bwf	Tampa	1620@68.00
	1 blk	Solomon	1590@67.50
	1 blk	Solomon	1520@66.00
	1 red	Lincoln	1550@65.00
BULLS			
	1 char	Gypsum	1680@91.00
	1 red	Lincoln	1835@88.00

IN STOCK TODAY: • Heavy Duty Round Bale Feeders 6'8" x 24' GOOSENECK STOCK TRAILER METAL TOP • 6'8" X 24' GOOSENECK STOCK TRAILER

1 blk

1 blk

1 wf

Falun

Lorraine

Minneapolis

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

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ALL SPECIAL Sales start at 11:00 AM!!

UPCOMING SPECIAL SALES: SPECIAL COW SALE: • TUESDAY, MAY 7

OTHER SPECIAL SALES: SPRING SPECTACULAR HORSE SALE! Saturday, May 18, 2019 • starting at 10 AM

EARLY CONSIGNMENTS FOR THURSDAY, MAY 2:

8 hfrs 400-500 30-40 days weaned; 30 hfrs 450-600 35 days weaned 2 rnd vacc; 29 s&h 525 weaned 3 days 2 rnd vacc; 14 s&h 300-400 weaned 30 days; 62 mostly blk strs 825-850; 70 hfrs 650-700 weaned vacc open; 60 blk strs, 900, no sort. PLUS MORE BY SALE TIME.

EARLY CONSIGNMENTS FOR MONDAY, MAY 6: 50 pigs, 30-40#, worked & weaned; 10 fats hogs, 220-250#

EARLY CONSIGNMENTS FOR SPECIAL COW SALE: TUESDAY, MAY 7: BULLS: 16 registered angus bulls 16 mo semen checked, 3 16 mo old blk angus bulls Al sired by Surefire semen checked, 9 angus bulls yearling to 3 yrs out of registered angus bulls semen & trich tested, 8 angus bulls 18 mo old semen checked, 1 angus 3 yr old bull semen & trich tested Harms Angus, 3 yearling black Charolais bulls semen checked, 3 3

yr old black Charolais bulls semen & trich tested, 1 yearling registered red angus bull, 1

blk 3 yr old blk simm angus bull HFR PAIRS: 10+10 red angus hfr pairs 30-45 day old calves, 10+10 blk/bwf hfr pairs, 12+12 blk angus hfr pairs worked and grass ready, 40+40 blk hfr pairs mostly ABS AI sired angus calves Feb & Mar calves, 18+18 blk hfr pairs, 6+6 blk hfr pairs, 15+15 red angus hfr pairs 3 wks to 2 mo old calves ready for grass, 3+3 red angus hfr pairs with bwf calves 3 wks to 2 mo old ready for grass, 17+17 blk angus pairs Feb-Mar calves ½ Al sired balance Hinkson Bull bred, 29+29 blk hfr pairs March blk calves worked for grass, 42+42 blk hfr pairs some bwf OCHV'd pelvic measured worked for grass March calves, 10+10 blk hfr pairs Feb-March calves home raised, 15+15 red angus hfr pairs red angus calves hfrs northern origin, 35+35 Final Answer daughters with Walt 384 Al sired calves,

18+18 red/blk hfr pairs Feb calves

COWS & COW/PAIRS: 220+220 red angus cows 5-9 yrs red angus & charX calves Feb & Mar calves, 120 blk cows 3-5 yrs bred simm/angus Sept 1st calvers, 10+10 running age cows red angus, 300 blk/bwf/red angus cows 3-4 yrs bred to Stevenson Basin Angus bulls fall calvers, 25+25 blk/red cows 7 yrs to older blk/bwf calves, 60+60 blk pairs 2nd calvers, 30+30 blk piars 4-5 yrs, 5+5 blk angus pairs 6 yrs old, 80 mostly blk cows -8 yrs summer/fall calvers, 30 blk cows 3-7 yrs Al bred to South Side cleaned up with Harms bulls, 25+25 pairs 5 to older angus sired march calves, 12 hereford cows fall bred 4-5 yrs, 12 blk cows 6-9 yrs fall bred bred blk, 30+20 pairs & fall bred 4-6 yrs, 11+11 fall pairs, 40 mostly bljk fall bred 4-5 yrs, 17+17 angus pairs, 30 fall bred angus cows, 50+50 blk/red pairs 6 to older complete dispersal, 15+15 blk pairs solid mouth calves worked, 30+30 blk/bwf pairs 5-7 yrs worked for grass, 25+25 pairs, 10+10 solid to older pairs big calves, 125+125 blk/bwf/red angus pairs 1st calf to solid mouth cows mostly sired by simm/ angus bulls some Hereford complete dispersal, 40+40 older pairs, 100 blk cows 4 yrs bred to blk angus or char all have raised calves every year October calvers for 45 days all were synchronized all hfrs out of the Sandhills of Nebraska, 15-20 fall bred cows & pairs running ages bred to red angus Ohlde bulls, 15 red fall cows 4-6 yrs old, 120+120 blk/red pairs 4-7 yrs blk/red calves 150-300# calves dispersal of this set of cows, 30 blk & char fall cows 3 and older bred blk, 40+40 blk/red cows 3-8 yrs big blk calves worked for grass, 20 angus cows 2-4 yrs open worked ready for grass, 155+155 pairs March & April calves, 6+6 blk pairs running age, 10 fall bred red angus cows all coming with 2nd calf,35+35 red pairs 3 yrs od red angus calves, 8+8 pairs 2 mo old blk/bwf calves, 3+3 pairs, 20 blk cows 4-7 yrs heavy springers bred blk, 5 fall bred blk cows 4-7 yrs, 7+7 blk pairs 4-7 yrs with 8 wk old calves, 7 fall bred blk cows bred blk running age worked for grass, 20 mostly blk running age fall bred cows bred to red angus bulls, 14 mostly fall bred cows 7 yrs old, 28+28 red pairs 6-9 yrs PLUS MORE BY SALE TIME.

MARK YOUR CALENDARS! For the SPRING SPECTACULAR HORSE SALE!

Saturday, May 18, 2019 • starting at 10 AM

May 17 @ 1 PM Rope Horse Preview • May 17 @ 6 PM Ranch Horse Competition May 18 @ 7 AM Rope Horse Preview • May 18 @ 10 AM Spring Spectacular Horse Sale

For Information or estimates, contact:

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

785-254-7385 620-553-2351 Roxbury, KS Ellsworth, KS

12 blk

10 bwf

7 hols

4 blk

12 char

30 blk

14 blk

67 mix

127 blk

11 mix

22 blk

56 blk

5 blk

27 blk

32 mix

5 blk

Gypsum

Assaria

Bushton

Gypsum

Claflin

Hope

Abilene

Lincoln

Abilene

Lincoln

Culver

120 mix Abilene

Hope

Hutchinson

Great Bend

HEIFERS

Ellinwood

McPherson

620-381-1050 Durham, KS

Kenny Briscoe 785-658-7386 Lincoln, KS

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

our website at www.fandrlive.com

Check our listings each week on

Austin Rathbun 785-531-0042 Ellsworth, KS

Cody Schafer Jim Crowther Lisa Long

676@170.00

630@169.00

674@167.00

715@160.00

732@158.75

736@155.75

739@155.50

762@153.25

772@149.10

800@148.25

817@147.50

883@140.25

914@133.50

961@131.00

959@129.25

959@127.75

315@186.00

Cattle Sale Broadcast Live on www.cattleusa.com 1150 KSAL, Salina 6:45 AM -MON.FRI * 880 KRVN 8:40 AM - WED.-THURS. *550AM KFRM - 8:00 am, Wed.-Thurs.