

GRASS & GRAIN[®]

AGRICULTURE'S LOCAL NEWSPAPER

Published by AG PRESS

66th Year

No. 24

August 11, 2020

\$1.00



Para reining introduced at Hope Ranch Therapeutic Riding Center

By Donna Sullivan,
Editor

After working through a devastating back injury and finding himself at the top of his chosen sport, Marcelo Guzman realized it would never be enough if he didn't find a way to use his talents and skills in a way that would benefit others. Now, as ranch manager, head trainer and program manager at Hope Ranch near Manhattan, he's doing just that, and hopes that the thrill of competition through a new para-reining program will be the inspiration his riders can use to daily improve and enrich their lives.

Guzman is a fourth-generation rider and says he was made to show horses. His mother was the first woman in Chile to make it to the National Finals in the cow horse class in a sport called rodeo, which is nothing like American rodeo, but more of a working horse sport. His father was a third-generation rider, as well.

He went to college to study engineering, but soon realized that working with horses was where his heart lies. He became successful in the cow horse sport in Chile, then someone introduced him to the sport of reining. "It was very American and very interesting to me," he said. "You have to take very good care of the horses, because they need to excel and perform as a real athlete." He showed up to his first competition decked out as a Chilean cowboy and was told to lose the poncho and get a western saddle. "We did pretty good that first season and qualified for the World Equestrian Games." Then the problems with his spine began.

"I lived all my life with problems to my back and never took care of it," Guzman said. "I just put my head down and kept working until it broke." In horrific pain, unable to walk and barely able to breathe, he underwent major surgery to insert screws and rebuild his spine. "It took me at least four months just to be able to walk again on my own without someone helping me," he said.

Guzman said that while in the hospital and in the months that followed, he relied on his faith in God to give him strength. In the meantime, unable to work, he ran out of money. "The only thing I could do really good was train horses and I could barely stand up," he reflected. Then a friend called and asked him to start a colt for him, even though he was still on crutches. "Well, you're gifted. You can do it," the friend encouraged him.



Cassi Marker is aided onto her horse by the recently purchased Sure Hands Lift, funded in part by a grant from the Christopher and Dana Reeve Foundation.

Photos by Donna Sullivan

"You need the money, I need the horse to be broke in." He told him he could hire someone to help if he needed to, and he would pay him well. He soon realized that as painful as it was, his limited physical abilities were actually an advantage. "I realized it was better to use my softest muscle - my brain - rather than my physical strength." Along the way, as he continued to go to physical therapy, he lost about seventy pounds and gave up some bad habits. "Soon I realized that I needed to work harder on myself to be able to perform better on the horses." That year he made it to the National Finals, then traveled to the United States to work with renowned trainer Al Dunning. "Al told me he had spine surgery too, and he knows it hurts. But if that's what you really want to do and what God wants you to do, you have to do it the best you can." Guzman made the decision to specialize 100% in reining and got a job in England, where he trained for a year before being called back to Chile to take care of the Chilean team that they wanted to qualify for the World Equestrian Games. While there, Guzman and his purebred Chilean stud Lil' Rockstar made it to number one in the world rankings. "When I made it to the top of my career, in that minute when I was for a few months the person that scored the most points in the whole world, I said to God, 'Lord, I appreciate a lot that you gave me the chance to be in such a good position, but I don't feel proud of it at all. This is not something that I am going to feel proud

of the day I have to meet you face to face." While in England, he had seen the sport of para reining, and how people who were unable to walk could get on a horse, make an emotional connection and begin to overcome some of their problems. "Suddenly I understood why I was in England," Guzman said. "But I had to keep working really hard to get the skills and knowledge to be able to train a horse so good that even a person with different abilities would be able to ride."

In time, as Guzman continued to hone his skills, he and his wife made their way to Kansas, and eventually to Hope Ranch. The therapeutic riding center was started by Ken and Cathy Scroggs and their daughter Cassidy in 2006 and accepts all riders, with or without physical or mental disabilities. They currently have about fifty riders that come to the ranch, ranging in age from eight to sixty. "Everything was set up so perfect to be able to start my biggest goal in life, which was the para reining," Guzman said. "We had the best covered arena in the area and they already had the reining footing, the ground was ready for reining." They also had a very well-broke horse that was Western and English trained and would be good for the sport of reining. Earlier this year, with a partial grant from the Christopher and Dana Reeve foundation, they were able to purchase a Sure Hands lift to help riders get onto horses.

So Guzman began training some of the students in the sport of para reining, with the goal of compet-



Reagan Swisher and Cassi are coached by Marcelo as they start a para reining lesson.

ing in a show. "I've seen how the kids started to improve because they have a goal of going to a horse show," stated Guzman. "Before that the kids were developing all their different abilities and getting better, motivated by the love of the horse, but now they have a goal. We came here to complement the vision of this ranch to help people get better." He explained that the World Para Reining Association has different categories depending on what kind of disability the riders have so they can compete with people of the same level and keep improving their own skills. He currently has four riders in the process of preparing for their first show in Topeka September 19 and 20, hosted by the Kansas Reining Horse Association. He hopes all four will be ready to compete. After the Topeka show he plans to begin fundraising to be able to go to at least four shows per year. Down the road, he would even like to take his para riders abroad to compete. "My vision is to be able to take the kids from the heart of America around the world," he said.

By Guzman's side, at Hope Ranch and all of his endeavors, is his wife, Amparo Manhood. "She helps me and is a very important part of my life," he said. "I owe her everything because she has been the best partner I could dream of to be able to do what I do right now. Without her support and patience, none of this would be possible."



Amparo and Marcelo are shown alongside Lil' Rockstar, the purebred Chilean stud that was his partner in competition.

Courtesy photo

Along with managing the ranch, which is staffed largely by volunteers, Guzman also has his own business as a horse trainer and coach.

Guzman believes the horse is a precious gift, and a valuable tool in helping people. "I am fulfilling my dreams here because I can use what God gave me to help somebody else, and that is what I think every trainer in this world should do, to help people who are in need, people who need the horses to get better. It is an animal that can help us so much, not only emotionally, but also spiritually."

Guzman says he al-

ready sees a difference in the riders, as they are part of a competitive sport. "Their posture is getting better, their attitude towards life is getting better," he said. "They are more positive and they are working hard. Some that were very shy are developing their social skills even more because they are part of a group. We try to help them understand they can be an active part of society. They overcome their problems to become a better person and a better rider and to be an example and a testimony that we all can fulfill our dreams if we want it bad enough."

Dredging project readies Mississippi River for efficient soy transportation

By Paul Murphy-Spooner,
United Soybean Board

United Soybean Board-funded research is used to inform a dredging project in the Mississippi River, which will improve freight-based transportation of soybeans and create a more efficient supply chain.

Checkoff-funded research, planning, analysis and design, led by the United Soybean Board (USB) has informed the launch of a dredging project to provide crucial upgrades to the lower Mississippi River - a major channel for soybean exports. Once complete, the new depth will unlock long-term benefits for soybeans and other U.S. agricultural exports.

"The United Soybean Board's mission has always been to create value for soybean farmers," said Meagan Kaiser, USB farm-

er-leader and soybean farmer from Missouri. "More efficient shipping builds value in the supply chain and expands opportunities for our soybeans to reach our customers around the world."

The Army Corps of Engineers announced it will be funding and proceeding with deepening the Mississippi River from 45 to 50 feet between Baton Rouge, Louisiana, and the Gulf of Mexico. The Louisiana Department of Transportation and Development will also provide funding. This dredging will help deliver soybeans to market in higher quantities and more cost-effective shipments that accommodate larger global ports - creating a more economically productive infrastructure for transporting soy products. For the agriculture industry, the Mississippi River is

one of the most important waterways in the nation. It connects the midwest and northern growing regions to the global market. But it requires modernization to uphold its competitive advantage.

USB was joined by the Soy Transportation Coalition (STC), U.S. Soybean Export Council (USSEC) and American Soybean Association (ASA) in this endeavor to ensure the most efficient transportation methods are available to maximize profit opportunities for U.S. soybean farmers. Checkoff-funded research by STC showed this dredging work would save 13 cents per bushel of freight while increasing the load by 500,000 bushels per ocean vessel.

"Dredging will help boost profitability for soybean farmers across the country," said Woody Green, soybean farmer

and USB director from South Carolina. "The project leads to a more reliable and globalized supply chain of U.S. soy products. We commend the Army Corps of Engineers for prioritizing the improvement of international trade opportunities for our farmers."

A previous press release by STC emphasized the importance of this particular 256-mile stretch of the Mississippi River. This stretch accounts for 60% of U.S. soy exports, and 59% of corn exports from that region arrive via the inland waterway system. The work conducted in this project specifically supported environmental assessments (research) and education of infrastructure improvements, located near the Port of New Orleans, for the benefit of U.S. soybean farmers.

"If I had to select a

single infrastructure enhancement that would provide the most benefit to the greatest number of U.S. soybean farmers, deepening the lower Mississippi River would be my choice," said Mike Steenhoek, executive director of STC.

Kaiser said she is proud of the entire U.S. Soy community and its partners for working together to turn research into action.

"I hope other organizations across the various commodities will take to heart that collaboration can stimulate significant improvements to our nation's infrastructure and result in added value for our products across all crops," said Kaiser.

To learn more about infrastructure and the soybean industry, visit soytransportation.org or unitedsoybean.org.



A Tourist in Kansas

By Greg Doering, Kansas Farm Bureau

Our family's summer vacation plans changed three times over the course of the past few months. Initially my wife and I planned on taking our college senior daughter on a grand excursion to Glacier National Park, then hopping the northern border to sightsee in Calgary, Banff and Jasper.

growing in Utah and here at home.

Retreating yet again, we looked within the borders of the Sunflower State. While we don't have any glaciers, nothing close to the Canadian Rockies or the cool dry desert nights, there's still some cool things to see in Kansas. We settled on a day trip to see Castle Rock, Monument Rocks and Little Jerusalem Badlands State Park.

I figured this would be an easy, hassle-free trip to the northwest corner of our great state. No need to do extensive research on where to stay or look up things to do. We had a course and generally knew the area. I had a lunch

recommendation from our colleague.

We loaded into my wife's car a little after 8 a.m. and headed west. We initially planned on having lunch first then getting to the sightseeing. Instead, the sign for Castle Rock beckoned from Interstate 70 and we decided eating could wait. This was the first mistake, but the second would soon become more apparent.

Generally, the best way to spot a tourist is they either have way too much gear or not enough. We soon found ourselves in the latter category when we turned off a perfectly suitable gravel road to something giving minimum maintenance roads a bad name.

The same process that eroded everything but Castle Rock and the nearby badlands is still in progress, and that includes the loop around the attraction. It's compounded by vehi-

cle traffic from looky-loos. For the better part of a mile we held our breath as we navigated over ruts more than a foot deep in spots. Again, we were traversing this in a car capable of getting high-centered on a speed bump.

While our vehicle was unsuited to the local conditions, we managed to avoid getting stuck in a chasm, powered up a steep incline as the tires shot gravel behind us and then we took a wrong turn. The "road" narrowed in on us as it traced the side of a hill so the driver's side was lower than the passenger side. Then, 15 yards from flat, smooth roadbed we came to a small gorge.

My daughter is old enough she didn't learn any new words during this adventure, but it's safe to say the plethora of profanity built to a crescendo at this point in our journey. After surveying the gully cutting across our path, I

shouted to my wife and daughter we needed to dig to level the road.

We started using a jack handle to scrap dirt into the crater, and after about 30 minutes of "digging," another group came along on the "good" road, stopped and offered their help. A half-hour of poking at the dirt with a metal rod had dulled any semblance of embarrassment at our self-inflicted predicament. We gladly accepted.

Two of the men in the group grabbed a second jack handle from one of their vehicles and began flinging dirt. Within ten minutes, we'd leveled the ground just enough to cautiously drive out to safe ground.

We thanked our helpers and headed back to the Interstate to continue on our journey, which didn't involve any other hiccups. We took in the badlands at Little Jerusalem with a thunderstorm in the

background. At Monument Rocks, we dutifully posed for photos in a keyhole between two spires and then began our trek home, only stopping for dinner and to see the Cathedral on the Plains in Victoria.

While the trip wasn't jumping from a bridge into a river fed by glacial melt, or hiking through Zion National Park, it did remind me of the beauty and wonder within our state's borders. Kansas is also a place where complete strangers will take the time to help, even if it means piling dirt with a jack handle. Still, if I had to do it again, I'd take a different vehicle and toss in a shovel. Just in case.

"Insight" is a weekly column published by Kansas Farm Bureau, the state's largest farm organization whose mission is to strengthen agriculture and the lives of Kansans through advocacy, education and service.

K-State professor lands Gardiner Innovation and Excellence award

By Pat Melgares

A Kansas State University professor whose work in reproductive physiology focuses on improving the use of artificial insemination in beef cattle has received the 2020 Mark and Eva Gardiner Innovation and Excellence Faculty award.

faculty in the K-State College of Agriculture who are excelling through innovative teaching, research or Extension that positively impacts the global food system.

Mark Gardiner said the family's interest is to recognize faculty who not only educate, but who are innovative and motivate students to careers in agriculture.

"Reproductive technology is more important today than ever before," he said. "Successful applications on the ranch result in improved conception rates and can even affect female longevity, both translating into profitability. (David's) passion for science and research and his ability to effectively impact and motivate students is priceless. His body of research speaks

for itself and his remarkable credibility as an educator speaks through those students fortunate enough to experience his classes."

Grieger, who earned degrees at Purdue University and Washington State University, has previously received the North American Colleges and Teachers of Agriculture Teacher Fellow award, and was named an 'Extraordinary Teacher' by animal science students. He also has twice received the K-State College of Agriculture Faculty of the Semester award and was selected to present on excellence in teaching during SPOTLIGHT K-State, a university-wide event.

"I have great respect for the entire Gardiner family and their operation," Grieger said. "Mark has always been support-

ive of my teaching efforts and for him to say someone has passion is genuine, because he is one of the most passionate K-Staters that I know."

Ernie Minton, dean of the College of Agriculture and director of K-State Research and Extension, also lauded Grieger as being passionate about students: "Dave Grieger devotes his heart and soul to teaching and learning. Everyone who interacts with him also enjoys and is uplifted by his affable personality."

Corineah Williams, a former student and now an agricultural education teacher in Little River, remembers the impact Grieger had on her as an undergraduate student.

"As a college student, you rarely think about the long-term impact your college professors will have on you. Sometimes it takes years to realize how much

they invested and cared for you as a student and a future professional," she said. "There are others, like Dr. Grieger, who instantly make an impression on you. He is one of the most passionate and engaging instructors I had the privilege of learning from during my time as an animal science student. His willingness to serve in capacities outside of the classroom made him a favorite among students. Perhaps what makes Dr. Grieger so special is that we don't stop being 'his students' when we graduate. K-State and the Department of Animal Science is lucky to have Dr. Grieger. The students who get to learn from him are even luckier."

Notes Grieger: "I have learned as much from my students, including the Gardiner sons, as they have hopefully learned from me."

In addition to his teaching success, Grieger has published 71 articles and had 671 citations during a 28-year academic career.

RTK exceeds Summer Match Challenge goal

Ranchland Trust of Kansas (RTK) surpassed its original \$10,000 goal during the Summer Matching Challenge, which concluded July 31. All donations made to the organization in June and July were 100% matched. RTK reached a grand total of \$26,075.47 thanks to generous donors.

This summer, RTK had to make the difficult decision to cancel the Pre-Symphony in the Flint Hills luncheon, but the virtual match challenge proved to be a successful alternative. The event sponsor, BOK Financial, stepped up by providing their \$5,000 sponsorship dollars to the organization to serve as the match. This \$5,000 was matched within a week and many supporters, including Tony Caputo and LewJene Schneider, helped keep the challenge going by providing additional matching dollars.

"Funding the mission of nonprofits is always a challenge, even more so during these unusual times. The response of our friends and donors has made a tremendous difference in our ability to continue the work in the absence of a state conservation fund. We just can't thank our community enough for this delightful outcome," said RTK executive director Lynn Gentine.

The support of conserving Kansas agricultural and grazing land is needed now more than ever. Those wanting to learn more about RTK are encouraged to visit www.ranchlandtrustofkansas.org.



It's funny how life progresses on and something that seemed so unusual suddenly becomes normal. No, I am not talking about wearing a mask because I do not think that will ever feel normal. Tatum came home in March when her college dorm was shut down due to COVID. We did not know if it was going to be an extended spring break or maybe a little longer. Well, it is has now been five months of extended spring break and it is time for her to go back to college.

Jennifer and I had settled into an empty nest routine before she came home, and I am not sure to whom shared habitation was the biggest shock. At first it just seemed she was back for a couple of weeks like Christmas break, except none of us could go anywhere. I appreciated the help because we were calving hot and heavy and still getting some lambs. Then I hurt my ankle and Jennifer and the kids had to take over the chores for two or three weeks. That was about the time I made the observation of how nice it was that our kids had turned into productive, responsible adults and things carried on better than if I was there.

Tatum and I settled into a routine and it was nice to have another set of hands every morning and evening for chores. I must admit that we got more fence fixing, brush cutting, thistle spraying, and general maintenance done this spring than ever before. I would not say we were caught up, but we were in pretty good shape. Isaac left for his summer internship shortly after we got all the cows out to grass and we settled into a new normal with one fewer set of hands.

Then Tatum started her summer internship. It was local and thankfully it gave me a chance to ease back into working solo during the week again. I must admit I had gotten spoiled and two-person chores go a lot faster than solo. I always gave Dad a hard time about just taking me along to open gates; this spring and summer I came to fully understand the value in a gate-opener.

Tatum leaves for college this week and Isaac does not move back to the

area until a week later. Jennifer and I can probably manage for the next week on our own but it has taught me that I need to appreciate my now adult children more. This COVID pandemic has had a couple of positive points, one being that I enjoy being at home; and having a more wide-open calendar is a good thing.

Most importantly, the developments of the past five months have shown me that my two kids have grown up and are perfectly capable of making good decisions both in life and when it comes to the farm. I learned that I could trust and rely on them to make the right decision and maybe they have learned a thing or two in college that the old man can learn from. Here is the funny thing, I would guess that over the past five months they have also learned that Mom and Dad maybe are a little smarter too.

I must admit that I am a little sad that Tatum is going back to school and it will take a period of time to adjust back to being "empty-nesters." That is being a little selfish and I am proud that we raised our kids to be independent adults. I know Tatum is anxious to see people her own age and especially anxious to get her freedom back. Ultimately as a parent your goal is for them to fly out of the nest and be on their own, so there is a great deal of pride in that.

That pride also does not mean that we will not worry about the kids. There are a lot of reasons lately with this messed-up world to worry about your kids but there is a lot of comfort in knowing that generally they make the right decisions and when they don't they learn from their mistakes. Watching from a distance is the hardest part of parenting.

I will wrap it up before I get too sappy because that usually results in an eye-roll. All I know for sure is that things are about to change, and it will be a while before the new becomes the normal again. We are creatures of habit and I would guess that very soon we will be settled into the new routine and Christmas break will upset the apple cart again, but in a good way. In the meantime, I will have to get used to opening my own gates for a while.



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GRASS & GRAIN

Published by AG PRESS

785-539-7558
 Fax 785-539-2679
 Publisher - Tom Carlin
 Managing Editor - Donna Sullivan
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GRASS & GRAIN (USPS 937-880)
 The newsweekly for Kansas and southern Nebraska, published each Tuesday at 1531 Yuma (Box 1009), Manhattan, KS by Ag Press, Inc. Periodicals postage paid at Manhattan, Kansas and additional offices. Postmaster send address changes to: Ag Press, Box 1009, Manhattan, KS 66505.

Subscription — \$76 for 2 years. \$41 for 1 year, plus applicable sales tax. Outside Kansas, \$51 for 1 year, \$95 for 2 years.

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BigIron Realty introduces new agent

BigIron Realty would like to introduce Ron Hinrichsen as their newest real estate agent.

For over 25 years, Ron holds an extensive career in the agriculture industry focused on sales and marketing in animal health, livestock genetics, nutrition, and real estate. He is a trained auctioneer and licensed real estate broker in Kansas with over ten years of experience, focusing on rural and commercial properties.

Ron possesses numerous agriculture contacts to include seed stock and commercial cattle producers, veterinarians, and others involved in the agriculture and the beef cattle industry. He is a great listener as he



assesses his customers' needs, finding solutions to their programs and goals. Ron has extensive knowledge in marketing, budgeting, customer service, and professional representation of the customer or organization and its entities. In short, he knows agriculture, farmers, ranchers, and what they need to be successful.

Ron Hinrichsen and his family have a diverse agricultural background. Ron grew up on a family-owned and

operated Hereford cattle and grain farm. For the past 30 years, Ron, his wife, Lynne, and two children, Cale and Eva, have owned and operated Hinrichsen Ranch, a registered Angus ranch in Westmoreland. They have built their genetic program through intensive artificial insemination and embryo transfer program to produce functional, productive cattle with a balanced EPD profile. The ranch sells bulls through cooperative sales as well as females through private treaty. The family also develops steers and heifers for show prospects for Cale and Eva, and other juniors, to exhibit at the county, state, and national levels.

Hearing scheduled for Wichita County LEMA plan

A public hearing will be conducted at 9:00 a.m. on Friday, August 14, 2020, in Leoti to consider a Local Enhanced Management Area (LEMA) management plan in a designated area in Wichita County. The virtual-hybrid hearing will provide the opportunity for in-person oral statements as well as virtual participation online.

The Western Kansas Groundwater Management District No. 1 has recommended the approval of the LEMA which was found acceptable for consideration by the Acting Chief Engineer of the Kansas Department of Agricul-

ture. The initial hearing will consider whether the management plan satisfies the requirements for establishment of a LEMA set forth in K.S.A. 82a-1041. If these requirements are met, a second hearing to consider the corrective controls proposed in the management plan will be scheduled.

Anyone may submit written or oral statements to be included in the record of the hearing. In-person oral statements will be accepted at the public hearing at the St. Anthony Catholic Church Parish Hall at 600 S. Fourth Street in Leoti. Oral statements can also

be submitted online; anyone desiring to provide an online oral statement or make a visual presentation via Zoom must submit their request at least 24 hours prior to the hearing by notifying Ronda Hutton at 785-564-6715 or by email at Ronda.Hutton@ks.gov. A copy of any visual presentation to be used as part of online testimony must also be submitted 24 hours in advance of the initial hearing. Advance sign-up is not required for those wishing to testify in person in Leoti.

Written statements may be submitted at the public hearing or sent to the WHC LEMA; c/o Ronda Hutton;

2019 farm production expenditures up 15%

Farm and ranch production expenditures for Kansas totaled \$19.9 billion in 2019, up 15% from a year earlier, according to USDA's National Agricultural Statistics Service. Livestock expenses, the largest expenditure category, at \$6.88 billion, increased 8% from 2018. Feed, the next largest expense category, at \$3.03 billion, increased 32% from 2018. Rent, the third largest total expense category at \$1.58 billion, increased 20% from 2018. Livestock expenses accounted for 35% of Kansas's total production expenditures. Feed accounted for 15, rent 8, and farm services 8%.

The total expenditures per farm or ranch in Kansas averaged \$339,915 in 2019, up 16 percent from 2018. The livestock expense category was the leading expenditure, at \$117,607 per operation, 5.5 times the national average. Feed expenditures, at \$51,795 per operation,

were \$22,317 above the national average. Fertilizer and soil conditioners, at \$19,145, were \$8,078 above the national average. The average rent expenditure, at \$27,009, was \$12,270 above the national average.

These results are based on data from Kansas farmers and ranchers who participated in the Agricultural Resource Management Study conducted

by USDA's National Agricultural Statistics Service. Producers were contacted in January through April to collect 2019 farm and ranch expenses.

Access the national publication for this release at: <https://usda.library.cornell.edu/concern/publications/qz20ss48r>. Find agricultural statistics for your county, state, and the nation at www.nass.usda.gov

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GRASS & GRAIN Our Daily Bread

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

Kimberly Edwards, Stillwater, Oklahoma Shares Winning Recipe Prize In G&G Winner Kimberly Edwards, Stillwater, Oklahoma: PARMESAN CORN CAKES

2 ears of corn
1 egg
1/4 cup flour
1/4 cup Parmesan cheese
1 tablespoon corn starch
1/2 teaspoon salt
Dash pepper

Cut the kernels off 2 ears uncooked corn. Pulse half the corn and egg in a food processor then transfer to a bowl. Mix in remaining corn and rest of ingredients. In oiled skillet drop by spoonfuls and cook until golden, 3-4 minutes per side.

Millie Conger, Tecumseh: LOADED CHEESEBURGER PATTIES
1 pound hamburger
1 egg
1/2 teaspoon garlic powder
Salt & pepper to taste
1/2 cup chopped onions
1 cup shredded cheese

Combine all in large bowl. Make into 1/4-pound patties. Cook on grill or in skillet.

Loretta Shepard, Helena, Oklahoma: GOLDEN BUTTER CAKE
1 yellow butter cake mix
4 eggs
1/2 cup sugar
1 cup sour cream
1/2 cup pecans (chopped)

Beat all ingredients except nuts, for 3 minutes. Stir in nuts and mix well. Pour half of batter into prepared

1/2 cup pecans, chopped
In a large saucepan melt butter over medium-high heat. Add vinegar, mustard, honey, salt and pepper. Bring to a simmer. Stir in coleslaw mix, apple and pecans. Cook stirring occasionally until wilted, 1-5 minutes. Serve.

Darlene Thomas, Delphos: PIZZA MUFFINS
1 can diced tomatoes (14 1/2 oz.)
2 cups flour
3 teaspoons baking powder
1 teaspoon sugar
1 teaspoon dried oregano
1/2 teaspoon salt
1 egg
1/4 cup margarine, melted
1/2 cup shredded mozzarella cheese, divided
2 tablespoons Parmesan cheese, divided

Drain tomatoes reserving 1/4 cup liquid. In a bowl combine the flour, baking powder, sugar, oregano and salt. Combine the egg, butter, tomatoes and reserved juice. Stir into dry ingredients just until moistened. Stir in 1/4 cup mozzarella cheese and 1 tablespoon Parmesan cheese. Fill greased jumbo muffin cups two-thirds full. Sprinkle with the remaining cheeses. Bake at 350 degrees for 20 to 25 minutes or until a toothpick comes out clean. Cool in pan for 5 minutes before removing to a wire rack. Serve warm. Yield: 6 servings.

Jackie Doud, Topeka: APPLE BBQ CHICKEN
12 chicken legs
1/4 teaspoon pepper
1 tablespoon olive oil
1 bottle barbecue sauce
2 cups applesauce
1/3 cup brown sugar

Sprinkle legs with pepper. Brown in olive oil in batches in Dutch oven. Remove from pan. Add rest of ingredients and bring to a boil. Add chicken legs. Reduce heat and simmer 20-25 minutes until tender and done.

Kellee George, Shawnee: LEMON DILL CHICKEN CAKES
2 1/2 cups shredded chicken
1/4 cup bread crumbs
1/4 cup mayonnaise
1 egg
2 tablespoons chopped dill
1 tablespoon Dijon mustard
1/2 teaspoon lemon zest
1/2 teaspoon each: salt & pepper
2 tablespoons butter
2 tablespoons oil

More bread crumbs for breading

Mix all together except the butter and oil (and additional bread crumbs). Make into (8) 3/4-inch patties. Heat butter and oil. Dip patties into bread crumbs on each side and fry on each side about 3-4 minutes. Drain on paper towels.

4-H'er Shares Winning Recipe
By Nancy Nelson, Meadowlark Extension District, Family Life
Faith Bloom's chocolate chiffon cake entry was designated the Champion Cake at the 2020 Jackson County Fair. Faith is a Soldier Boosters 4-H Club member and the daughter of Corey and Anissa Bloom. Her other interests include beef, goats, clothing buymanship, modeling, buymanship display, photography, and cooking. Faith enjoys volunteering and hanging out with the other kids during the fair and yearly activities. A sophomore at Wetmore High School, Faith's hobbies include volleyball, cheerleading, track, reading, talking on her phone, and hanging out with friends. When preparing this recipe, make sure to use only cake flour and that your eggs are at room temperature.

CHOCOLATE CHIFFON CAKE
7 large eggs, separated
1/2 cup baking cocoa
3/4 cup boiling water
1 3/4 cups cake flour
1 3/4 cups sugar
1 1/2 teaspoons baking soda
1 teaspoon salt
1/2 cup canola oil
2 teaspoons vanilla extract
1/4 teaspoon cream of tartar

Icing:
1/3 cup butter
2 cups confectioner's sugar
2 ounces unsweetened chocolate, melted & cooled
1 1/2 teaspoons vanilla extract
3 to 4 tablespoons hot water
Chopped nuts, optional

Let eggs stand at room temperature for 30 minutes. In a bowl, combine cocoa and water until smooth; cool for 20 minutes. In large bowl combine flour, sugar, baking soda and salt. In a bowl whisk the egg yolks, oil and vanilla; add to dry ingredients along with the cocoa mixture. Beat until well-blended. In another large bowl and with clean beaters, beat egg whites and cream of tartar on high speed until stiff peaks form. Gradually fold into egg yolk mixture. Gently spoon batter into an ungreased 10-inch tube pan. Cut through the batter with a knife to remove air pockets. Bake on lowest rack at 325 degrees for 60-65 minutes or until top springs back when lightly touched. Immediately invert cake onto a serving plate.

For icing, melt butter in a saucepan. Remove from the heat; stir in the confectioner's sugar, chocolate, vanilla and water. Drizzle over cake. Sprinkle with nuts if desired. Yield: 16-20 servings



Driving down the road Sunday afternoon with my brother Mike and my two nieces, my youngest niece, Chloe, yells from the back seat, "there's Stacy's!" My brother and I looked at each other and grinned. How is it that a two-year-old can look out a window and recognize a place and a restaurant of all places? I suppose the real reality is that it shouldn't surprise any of us. Being born a Carlyon, you are raised to love Stacy's and the two little ones are no exception.

When my brothers and I were little, I honestly don't remember eating out a ton, but when we did, it was generally a safe bet that we would end up at Stacy's. It was one of our favorite places to go and we could always rest assured that we would run into someone we knew. Whether it be a family member or a friend, there was always a familiar face. The servers and the team knew us and for the most part a menu was never needed because they already had a pretty good idea of exactly what we were going to order, or at the very least had it narrowed down to a couple of our go-to options. For me it has almost always been a ham and cheese omelet, best one you will ever eat.

Stacy's was our go-to family gathering spot, at times taking up multiple tables in the back room to celebrate birthdays, anniversaries or important milestones, especially when my great-grandparents were still alive. It is where we learned the value of family time and the importance of coming together to celebrate each other. It is also where we honed our skills of antagonization in the form of buttering noses, shooting straw wrappers at people and the occasional pouring of salt into someone's coffee or tea.

As we got older and went our separate ways, my brother joined my dad in the family business. They travel all over the state of Kansas, but if they are working in the Junction City area, it is generally a safe bet that you will find them at Stacy's for lunch at least a couple times a week, quite possibly still ordering the same things they have been ordering for the past 20-plus years. Only difference is now they are a little sassier and they feel like they are at home and like they can get away with anything so they find great humor in antagonizing the servers, who are quick to put them in their places — you go, girls!

Mike married his high school sweetheart, Marissa, in 2014. A couple of years later they finally blessed us all with what we had been waiting for, a little girl in the form of Mika. Fourteen months later came Chloe. Marissa learned early in the dating process that Mike lived for places like Stacy's and lucky for him, she had absolutely no problem with that, especially when their food is as amazing as it is.

When the babies came around it was imperative that our extended Stacy's family got to meet them. Mika has loved them from the very beginning; Chloe is Chloe and she is still hit-or-miss. Both love the attention that they get when there and that their request for pickles and lots of Ranch never go unnoticed. Regardless of what they eat or how well they behave or who they may or may not like in a day, one thing is for always for certain: both of those little girls absolutely adore Tina and her "little people unit," fist bumps prior to a lollipop before leaving; it is hands down the best part of their day.

Michele grew up in Junction City and graduated from Kansas State University. She worked in the restaurant management field for six years before deciding to switch careers and now works as an office manager for a company that manufactures oilfield products. Her passion for blogging and food can be followed on Instagram: [boobsbrainsandbaking](https://www.instagram.com/boobsbrainsandbaking). If you would like to contact Michele with comments please email mcarlyon88@gmail.com

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1. Check your recipe carefully to make certain all ingredients are accurate and instructions are clear. 2. Be sure your name, address and phone number are on the entry. Please include a street address with your recipe entries. A post office box number is not sufficient for prize delivery. Allow 3-4 weeks for delivery.

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Think Safety First When Canning Food At Home

MANHATTAN – Americans have been canning foods at home for more than 100 years. Yet still, says Kansas State University food safety specialist Karen Blakeslee, there's always something new to learn.

"There are many older methods that are not safe to use," Blakeslee said. "So, it's important to stay up to date."

"There are a variety of mistakes that can lead to serious food safety problems when preserving food at home by canning. A vast majority of canning or sealing failures are due to user error. Just because the jar is sealed, that doesn't mean the food is safe."

Some common mistakes that Blakeslee listed include:

- * Following old and unsafe recipes, some of which may have been passed down through generations of families.
- * Following recipes that have not been tested and approved, or adhere to current USDA guidelines. The Internet is full of untested and unapproved recipes.
- * Using an incorrect jar size.
- * Using improper processing methods.
- * Storing food in an unsafe location, such as a place where it is too hot, cold or moist.
- * Adjusting the band too tightly.
- * Not adjusting processing times for altitude.

Blakeslee, coordinator of K-State's Rapid Response Center for Food Safety, maintains a website, Preserve it Fresh, Preserve it Safe, with current guidelines for canning.

"In canning, the goal is to produce a safe product and reduce risks of botulism," Blakeslee said. "Instances of botulism occur most often in home canned foods. Before canning any food, be sure to have all equipment ready to go."

Some examples of preparing for home canning include examining canning jars so that they are clean and free of cracks or chips; ensuring that you have new lids – "never reuse canning lids as they may not seal," Blakeslee said – and if using a dial gauge pressure canner, get it tested every year.

Contact your local Extension office to ask about testing a dial gauge pressure canner. Blakeslee said local offices can test four brands: National, Presto, Magic Seal and Maid of Honor pressure canners.

"Be sure that canning equipment is maintained and ready to use," Blakeslee said. "Use the correct processing method for the type of food. Water bath canning (a lower-temperature process) will safely process high acid foods, such as jelly and fruit. Pressure canning (temperatures of 240 degrees Fahrenheit or higher) must be used for plain vegetables and all meats."

"Along with using the correct processing method, be sure to adjust processing for your elevation," she added. More information can be found in the publication, What's Your Elevation.

According to Newell Brands, Inc., a parent company of Ball brands, 35.1% of Americans who can foods do so one to two times per year, while 27.3% can seven or more times per year. "Most canning occurs between June and October, and picks up again during the holiday season," Blakeslee said.

"Food preservation is a great family activity and can be very rewarding," she added. It is a great way to preserve home grown food or food from a farmers market and then share the bounty with family and friends. Be smart about home canning for success."

More food safety tips are available online from the K-State Rapid Response Center.

Links used in this story: Preserve it Fresh, Preserve it Safe, www.rrc.k-state.edu/preservation/index.html

K-State Research and Extension local offices, www.ksre.k-state.edu/about/stateandareamaps.html

What's Your Elevation?, <http://www.bookstore.ksre.ksu.edu/pubs/MF3172.pdf>

Newell Brands, Inc., www.newellbrands.com/our-brands/ball

K-State Rapid Response Center, www.rrc.k-state.edu



By Ashleigh Krispense

A SWEET TREAT: ICED BROWNIES

Brownies are a favorite treat for almost anyone, so how could they get any sweeter? Why, with a little bit of chocolate icing poured right over the top! This is a simple recipe with rich results and it won't even leave you with too many dirty dishes!

1/2 cup salted butter
1/2 cup white sugar
1/2 cup brown sugar
2 eggs
1 tablespoon vanilla
3/4 cup flour
3/4 cup cocoa
1/2 teaspoon cinnamon
1 teaspoon baking soda
3 teaspoons water

Icing:
1/4 cup salted butter
1/4 cup milk
3/4 cup sugar
3/4 cup chocolate chips
1 teaspoon vanilla

Preheat oven to 350 degrees. Grease an 8 by 8-inch pan and set aside.



In a medium saucepan, melt the butter and then stir in the sugars. Shut off heat and let cool a few minutes.

In a small bowl, beat the eggs and then stir them quickly into the butter mixture. Add vanilla.



Once eggs are mixed in thoroughly, stir in the flour, cocoa, cinnamon, baking soda, and water.



Mix together well and pour into the greased pan. Bake for 16 to 20 minutes or until brownies are just cooked through in the center (you don't want them overcooked!). Set aside.



For the icing, melt the butter in a saucepan. Once melted, stir in the milk and sugar. Continue to stir and bring to a boil. Shut off heat and dump in the chocolate chips. Stir until smooth and then add the vanilla.



Pour the icing over the brownies and smooth out with a butter knife. Let sit for a bit before serving, and enjoy!

Ashleigh is a freelance writer and the gal behind the website, Prairie Gal Cookin' (www.prairiegal-cookin.com), where she shares step-by-step recipes and stories from the farm in Kansas. Follow PGC online or like it on Facebook for more recipes and ramblings!

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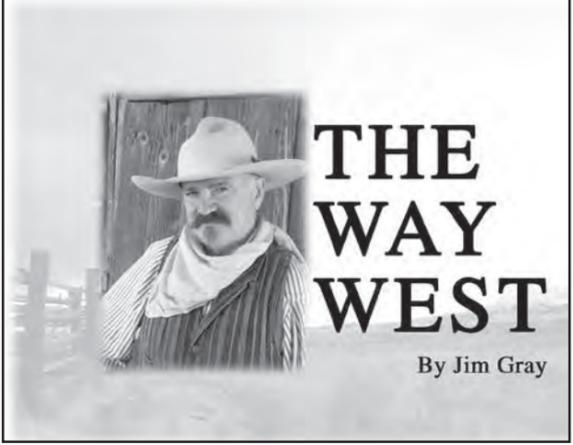
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THE WAY WEST

By Jim Gray

A Remarkable Endeavor

The original intention of the Union Pacific Railway Company, Eastern Division (UPED), (a Wyandotte, Kansas, company), was to win the construction race with Omaha's Union Pacific Railroad Company. The company that reached the 100th meridian first, a location near present-day Cozad, Nebraska on the

Platte River, would receive the federal contract to build the first railroad across the country.

The Wyandotte company stumbled when its president, Samuel Hallett, was shot to death by a disgruntled worker. A delay in new leadership allowed Omaha's Union Pacific to surge ahead, causing the

UPED to abandon its original plan to build into Nebraska.

John D. Perry, the new president of the UPED asked for and received Congressional approval to change course in late 1865. The new route lay across Kansas, along the entire length of the Smoky Hill River, reaching into the desolate high plains of eastern Colorado. Denver was the new destination.

That route followed or paralleled the earlier of Butterfield's Overland Despatch (B.O.D.), a freight and stage road. A treaty held on the Little Arkansas River (north of present-day Wichita, Kansas) was negotiated with plains tribes, in part to allow the B.O.D. to operate undisturbed through the Smoky Hill country. Under terms of the treaty plains tribes could hunt between the Arkansas and Platte Rivers but had to keep their permanent villages south of the Arkansas.

Unfortunately, many of the Cheyenne and Arapaho families had gone north that summer to hunt with their northern relatives in Wyoming. When they returned to the Smoky Hill River in October of 1865, they were alarmed to find a wagon road through the heart of their sacred Smoky Hills.

Major E. W. Wynkoop was selected to meet with the tribes to begin negotiations for the tribes to relinquish control of their hunting lands. Wynkoop had been Indian agent at Fort Lyon and had worked tirelessly for peace with the Cheyennes and Arapahos.

Seventy-five miles south of Fort Larned on Bluff Creek (near present-day Protection, Kansas) Wynkoop met with four thousand tribesmen in winter camp on February 28, 1866. Amazingly, he convinced

everyone, including the militaristic Dog Men (Dog Soldiers) to "touch" the agreement allowing the railroad to cross their lands. From Bluff Creek Wynkoop traveled to other outlying camps, succeeding in every encounter. He even got Sioux war leader Pawnee Killer to agree, something that few could have imagined.

In July Wynkoop learned that the annuities promised to the tribes at the 1865 treaty had not been distributed. Secretary of the Interior Dennis Cooley advised him that Congress had finally appropriated the money, but that it would still take time for annuities to reach the tribes. Wynkoop was given one thousand dollars to purchase gifts and directed to organize a council at Fort Ellsworth, a post along the Smoky Hill River twenty-nine miles west of Salina.

Wynkoop arrived at Fort Ellsworth by stage on August 10th. The conference was convened on August 13th after interpreter John Smith brought in the Southern Cheyenne head men. The conference must have made quite a spectacle with frontiersmen carrying bowie knives and long rifles mingled with railroad officials and Army officers. On one hand a regiment of cavalry provided security while the greatest of Cheyenne leaders entered the council.

Wynkoop addressed the issue of belated annuities and worked his persuasive magic. The Cheyenne chiefs knew they were up against an overwhelmingly powerful enemy, but they found it hard to walk away from the land of their fathers. But they were resigned to keep the peace.

Unfortunately, the railroad had not waited for the conclusion of the treat-

ty. Their surveyors were reaching into western Kansas and grading crews were beyond Fort Ellsworth. Roman Nose had waited for all of the chiefs to speak, for he was not a chief. He was merely a warrior of great renown. On the last day of the conference, August 16, 1866, "he stood forth." In three short minutes the warrior undid all the progress the railroad and military officials had gained. Closing his remarks Roman Nose vowed, "This is the first time that I have ever shaken the white man's hand in friendship. If the railway is continued, I shall be his enemy forever!"

Wynkoop had mistakenly thought that Roman Nose was a chief. Wynkoop felt that the conference had been a success even

though Roman Nose had spoken against the railroad. In November at Fort Zarah, (near present-day Great Bend), Roman Nose signaled his role in the unfolding events saying, "I did not come here to represent myself as a chief but as a soldier."

Ultimately Wynkoop underestimated the resolve of Roman Nose and the influence he held on his people. The coming year of 1867 would bring war despite Wynkoop's remarkable endeavor for peace on The Way West.

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

Tips on watering your garden

How does your garden grow? No grow or slow grow? It could be your H2O.

How and when you water your garden often makes the difference between healthy or diseased plants, says University of Missouri Extension horticulturist Tom Fowler.

Fowler offers some simple watering tips that can provide a bushel of benefits.

First, water at the right time for the best results. Watering in the morning allows leaves to dry if they get wet. If watered at night, plant foliage stays wet longer.

Secondly, do not spray water on leaves. Try to water only in the root zone. Wet leaves create an environment where diseases, especially fungi, thrive.

Give your plants' roots a good soaking. Light, daily watering creates shallow root systems. Long, less frequent waterings allow the soil to remain wet six to eight inches below the surface. Fowler suggests keeping a long screwdriver or similar device near your garden spot. If the screwdriver tip easily penetrates six inches or so into the soil, it is watered enough.

Drip or trickle irrigation also provide good results in home gardens, Fowler says. Watering by hand allows water to go only where needed.

Water during dry spells and during critical plant development stages such as flowering.

Most gardens need about one to three inches of water per week.

Finally, Fowler recommends soil testing to determine your garden's nutrient needs. See the MU Extension publication "Steps in Fertilizing Garden Soil: Vegetables and Annual Flowers" at extension2.missouri.edu/g6950 for more information.

Fowler shares other gardening basics:

- Choose your garden site well. Garden plants need six to eight hours of sunlight daily. Plants prefer morning to early afternoon sunlight.
- Avoid locating gardens near trees. Tree roots can extend 30 feet or more and take water and nutrients that garden plants need. Walnut and pecan trees produce a chemical that causes wilt in some fruits and vegetables.
- Gardens should slope to allow proper surface runoff and subsoil drainage.
- Locate gardens near water sources to avoid carrying water or running long hoses.

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A couple of weeks ago, Marla Matkin and I visited Allen and Janey Bailey at the Swinging Gate Ranch in Windom. It was a lovely afternoon with friends and laughter and much creativity.

Marshal Allen Bailey has been the host of *Western Swing and Other Things* for more than 30 years. The last few years, Cowgirl Janey has joined him as a co-host. It is one of my favorite radio shows and now airs on TruckerUSA Radio, which is an online network based in Kansas that reaches around the world. Ain't the internet grand!!

We were there to take advantage of Allen's wide and varied talents. Not only is he a talented musician and host, he is quite the accomplished artist. He is illustrating a children's book Marla wrote, *A Dragon's Tale*. It is a sweet story about a boy grow-

ing up at Fort Wallace in the 1860s when the post surgeon, Capt. Theophilus Turner, and the post scout, Medicine Bill Comstock, discovered the fossil of a plesiosaur. The book will be published by the Fort Wallace Museum and we will keep you posted on its debut!

The second reason we were bugging the Marshal was to help me with a podcast for the Santa Fe Trail Association. Despite years in radio and television, I have zero technical skills. I can talk, but turning it into something more takes real talent.

So there at the Swinging Gate Ranch with the help of Dodge City Marshal Allen Bailey, I recorded the first of the *Santa Fe Trail Lives On* podcasts. You can listen to the results on the SantaFeTrail200.org website and on TruckerUSA Radio. Each week I will be sharing stories of

the Trail....thanks to a little help from my friends!

Following our visit with the Baileys, we met Don and Barbara Bland for supper - two more amazingly talented individuals! Barb is an artist and framer and I have some things I need her to frame (She did an amazing portrait of Dr. Jake as Gen. Sandy Forsyth during our Beecher Island anniversary events a couple of years ago!). Don works in leather and wood and is the accomplished craftsman. He is making a scabbard for the reproduction Shiloh Sharps 50/90 rifle that will be raffled on September 12 at the Fort Wallace Museum. (It will be a part of the buffalo hunt prize worth more than \$10,000. Message me for details!)

I am so blessed to be in the company of gifted people from all walks of life, every single day of my life, people who make the world better and more beautiful.

I get by with a little help from my friends.

Deb Goodrich is the host of the *Around Kansas TV show* and the *Garvey Texas Foundation Historian in Residence at the Fort Wallace Museum*. She chairs the *Santa Fe Trail 200, the bicentennial of the historic trail*. Contact her at author.debgoodrich@gmail.com.

Bourbon County Ranch to host KLA/K-State field day

Educational sessions for the August 18 Kansas Livestock Association/Kansas State University Ranch Management Field Day near Uniontown will include a panel discussion on the utilization of cover crop grazing systems, an outlook on the markets and the geopolitical factors that affect them, optimizing cow herd efficiency and combating ag stress. The event will be hosted by the George family, who own and operate the Bourbon County farming and ranching enterprise known as G-Three Cattle Company.

The panel discussion will kick off the program. Jaymelynn Farney, K-State associate professor and Extension specialist, and Jared Pollock and Gale George, both of G-Three Cattle Company, will discuss the management considerations of utilizing annual forages as a grazing source and how to implement and incorporate these systems into an operation.

Market uncertainty continues to impact day-to-day decisions being made by livestock producers.

Tanner Ehmke, CoBank manager of knowledge exchange, will share his perspective on market trends and provide an in-depth outlook based on his team's research at CoBank.

Smaller cattle tend to improve production efficiency and yet, as an industry, the average mature cow size continues to increase. K-State professor and Extension specialist Bob Weaber will discuss what criteria should be considered in determining the ideal mature weight for each individual operation.

Kelsey Olson, deputy secretary of the Kansas Department of Agriculture, will provide an update on the resources her team has compiled to assist Kansas farmers and ranchers in managing stress, financial and legal challenges and other issues.

The field day will begin with registration at 3:00 p.m. and include a free beef dinner at 6:45 p.m. All livestock producers and others involved in the business are invited to attend. The event will be set up to ensure proper spacing to accommodate social

distancing protocol. Masks will be available and hand sanitizer will be provided to each attendee.

G-Three Cattle Company is located north of Uniontown. From the Kansas Highway 3/U.S. Highway 54 junction, travel east one-half mile, then turn north on 75th Street and travel one mile. The field day site is located on the west side of the road. Directional signs will be posted.

The event is sponsored by the Farm Credit Associations of Kansas and Bayer Animal Health. For more information, go to www.kla.org. The educational sessions from both the August 13 and 18 field days will be recorded and posted on the KLA website following the events.



Plant vegetables soon for autumn salad

If growing vegetables was not in your summer gardening plans, Kansas State University horticulture expert Ward Upham says the time is right to build a nice set of greens this fall.

"The middle of August and early September is a good time to plant such salad crops as lettuce, radishes, spinach, turnips, mustard and other greens for a fall harvest," Upham said.

Compared to summer, fall crops should be planted slightly deeper, he said. "This will keep the seed cooler, though still warm,

and the soil should retain moisture longer."

Additional tips for fall vegetables include:

Water frequently until seedlings start to emerge, "which should be soon with our warmer soils," Upham said.

Apply a light sprinkling of peat moss, vermiculite or compost directly over the row to prevent a crust from forming when watering heavy soils.

Reduce watering after plants emerge.

Build fencing or other deterrents to keep rabbits and insects away from the plants.

Upham and his colleagues in K-State's Department of Horticulture and Natural Resources produce a weekly Horticulture Newsletter with tips for maintaining gardens and home landscapes. The newsletter is available to view online or can be delivered by email each week.

Interested persons can also send their garden- and yard-related questions to Upham at wupham@ksu.edu, or contact your local K-State Research and Extension office.

AUCTION

SUNDAY, AUGUST 23, 2020 — 10:00 AM

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

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AUCTION REMINDER

SUNDAY, AUGUST 16, 2020 — 10:00 AM

Wischropp Auction Facility, 930 Laing St., OSAGE CITY, KS

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2020 4-H YOUTH SHOWCASE

Bennington State Bank is proud to sponsor the 2020 4-H Youth Showcase in support of all the hard-working youth around the state.



Alyssa Scheele, 12, Happy Workers, Washington County, won Reserve Grand Champion Floriculture with a fresh sunflower arrangement grown in her backyard garden.



Travis Oliver, 15, of the Garden City High School FFA chapter, won Grand Champion in the Finney County Fair Market Hog show. His hog was raised by 4B Show Pigs.



Hunter Albrecht, age 9, took his woodworking project to the Nemaha County Fair.



Hunter also took this self-determined project to the Nemaha County Fair.



Wyatt Albrecht shows the painting he entered in the Nemaha County Fair.



This self-determined lego project that includes a paper mache depiction of the planet Mars was another that 7-year-old Wyatt Albrecht took to the Nemaha County Fair.



Wyatt Albrecht proudly shows off his photography project.



Photography was another project Hunter Albrecht took to the Nemaha County Fair

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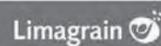
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Macy Hands of the Finney County Wide Awake 4-H club proudly shows her steer calf Diesel. Macy earned a blue ribbon for her hard work and is planning on keeping Diesel to show next year as a second year bucket calf.



Kylan Lindquist, 9, a member of the Friendly Fremont 4-H Club, showed his meat goat at the McPherson County Fair.



Cayson Lindquist, 17, shows his hog in at the McPherson County Fair. He is a member of the Friendly Fremont 4-H Club.



Gentry Hands of the Finney County Wide Awake 4-H club proudly shows her steer calf Hickock. Gentry earned champion first year bucket calf for her hard work and is planning on showing Hickock next year as a second year bucket calf! Good work Gentry!

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Brandon Rogers made this poster for the Leadership project at the Nemaha County Fair. He is a 15-year-old member of the Pony Express 4-H Club in the Meadowlark District.

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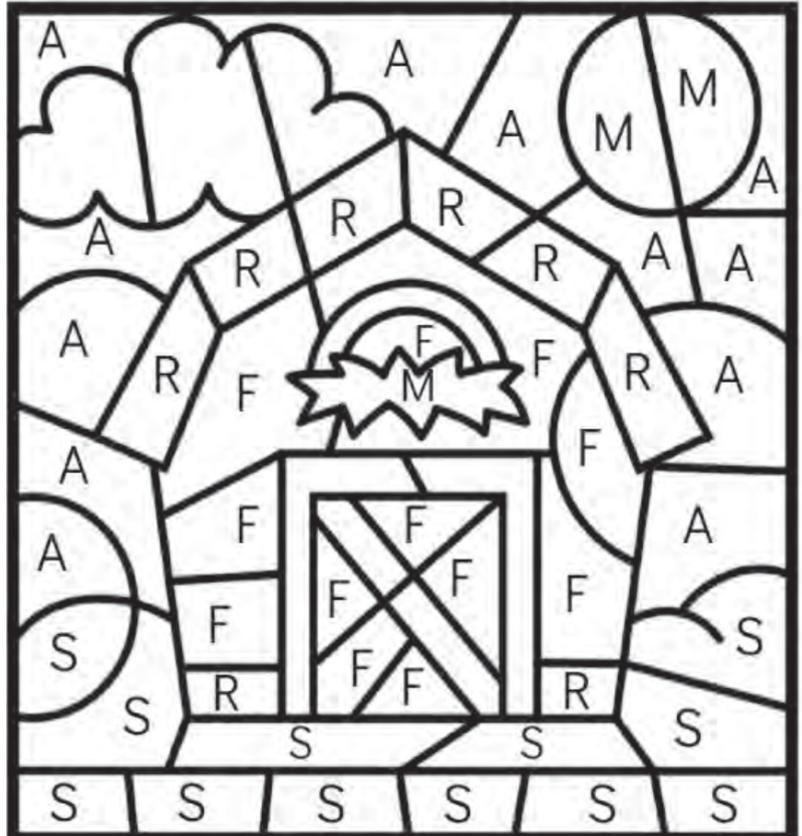
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Find and color the chicken life cycle words in the puzzle!

- chicken
- hen
- egg
- lay
- nest
- grow
- tooth
- crack
- hatch
- peck
- chick
- feathers



How many times did you find the word egg?



f	e	a	t	h	e	r	s	e	g
e	g	e	g	e	g	e	g	h	e
c	h	i	c	k	e	n	g	a	g
e	e	l	a	y	g	e	g	t	k
e	n	g	e	g	g	s	g	c	e
t	o	o	t	h	r	t	e	h	g
c	h	i	c	k	o	p	g	g	e
c	r	a	c	k	w	e	g	g	e

W&S Ranch to host KLA/K-State Field Day

Program highlights for the August 13 KLA/Kansas State University Ranch Management Field Day near Smith Center will include discussions on leveraging genetics to achieve cow herd objectives, managing and planning for tough economic times, optimizing gain with post-weaning nutrition and combating farm stress. The event will be hosted at W & S Ranch, owned by the

Weltmer family. Jon Herrick with Select Sires will kick off the educational portion of the field day with a discussion centered on how genetics can be leveraged to increase profitability. Mark Wood, Kansas Farm Management Association Extension agricultural economist, will provide suggestions on how ranchers can better prepare for and manage through

economic uncertainty. K-State Extension beef systems specialist Justin Waggoner will discuss nutrition management steps that should be considered during post-weaning and will highlight some of the successes W & S Ranch has had in leveraging nutrition to achieve their cattle weight-gain goals. Kelsey Olson, deputy secretary of the Kansas Department of Agriculture, will be on hand to give an update on the resources available to assist farmers and ranchers in managing stress and financial and legal challenges.

The field day will begin with registration at 3:00 p.m. and include a free beef dinner. The event will be set up to accommodate social distancing protocol. Masks will be available and hand sanitizer will be provided. The final field day will be held August 18 at G-Three Cattle Company near Uniontown. Both events are sponsored by the Farm Credit Associations of Kansas and Bayer Animal Health. Educational sessions from each field day will be recorded and posted on the KLA website.

Hoof care to prevent foot rot

By Lisa Moser

Sores on the feet can sure make a person feel miserable not to mention making it hard to walk. The same can be true of cattle when they develop foot rot in the crevice between their toes, causing some of them to become lame according to the veterinarians at the Beef Cattle Institute.

Speaking on the weekly *Cattle Chat* podcast, Kansas State University veterinarian Bob Larson explained how this condition develops.

"Foot rot is a bacterial infection that occurs between the claws of the hoof. In the summer, it can develop when cattle are standing in wet or muddy areas," Larson said.

He added, that foot rot typically happens when the cows get a cut from a rock on the soft tissue between the hoof claws and then an infection develops in the wound.

"The organism that causes foot rot lives in the soil so it is present all the time," Larson said.

One of the first signs of foot rot is that the impacted animal begins to walk with a limp or become lame, said veterinarian Brad White.

Larson and White agree that foot rot typically responds well to antibiotic treatment.

"A lot of times, if you see a cow that is lame and diagnose foot rot, she will be back to being sound pretty quickly after appropriate treatment," Larson said.

White added, "Early identification of the problem and quick treatment are key as well as preventative management."

One of the easiest ways to prevent foot rot is to manage the cattle in a clean, dry environment to minimize the mud exposure, Larson said. He also added that some producers advocate including iodine in the mineral mixes or as a feed supplement.

"With any iodine or salt feed additive it is hard to know for sure that the cow is getting the right dose so it might offer some preventative aspects, but it would not be a treatment," Larson said.

To hear the full discussion on foot rot, listen in to the BCI Cattle Chat podcast online.

LAND AUCTION

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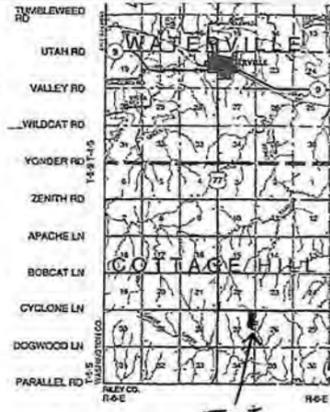
FARM LOCATED: From Waterville, KS go South 6 miles on Hwy. 77 to Cyclone Lane (Cottage Hill Corner), then East 3/4 mile. Farm is on the South side of the blacktop and West of 5th Road.

Tract consists of approximately 60 acres of terraced cropland that has been in a good crop rotation. There is 3 acres of hay meadow in the northeast corner of the farm, and the balance consists of waterways and roads.

TERMS: Cash with 10% down payment/earnest money on day of sale with the balance due in full on or before October 7, 2020 with delivery of deed and marketable title. Full possession is subject to present tenant rights. Seller & Buyer equally split cost of title insurance and attorney fees for preparation of contract-deed-escrow.

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SATURDAY, AUGUST 22, 2020 — 10:00 AM
(Early Preview Auction Day 8:30-10 AM)

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This is a partial listing. See website for full listing, catalog & photos:
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This list subject to change. Call to confirm consignments. Machinery Brought In After Monday, Aug. 17, Will Be Sold Last.

TRACTORS: JD 7820 MFWD, 2004, LHR, w/146 Loader, 6700 Hrs, 3Pt, PTO, Joy Stick, QH; JD 4640 Quad, 1980, 4825 Hrs, 18.4x42, 3Pt, PTO, DH; JD 8270R, MFWD, 2010 Model, 18.4x46 Duals, PS, 3 Valve, PTO, QH, 10,000 Hrs; JD 4640 Quad, 1981, 7800 Hrs, Duals; JD 970, 535 Hrs, 3Pt, PTO, Diesel ROPS; JD 8330 MFWD, IVT, 2008 Model, 7600 Hrs, 18.4x50, 4V PTO, OT; Case IHC 7140 MFWD, 7500 Hrs, Duals & Wts; JD 8320 MFWD, 2003 Model, ILS, PS, 10,700 Hrs, 4V3PT, QH, Wts, 18.4x46 Duals, 14.9R34; JD 4430 Quad, TH, 3Pt, PTO, 1973; JD 4430 Quad w/Duals; Kubota 9540 Low Profile, Diesel, ROPS, MFWD, 2100 Hrs; IHC 966, Hiniker Cab, 6450 Hrs; IHC 756, Diesel, WF, 3Pt, Fenders; JD 4520, 3Pt, PTO, Wts, Fenders, SYN, ROPS; JD 4620 3PT, PYO, Wts, Fenders, SYN, ROPS; JD 4020 Diesel, WF, TRANS PROBLEMS; IHC 544 Diesel, WF, 3Pt, Fenders; IHC Super M, 1953 **HAY & LIVESTOCK:** NH 680 Manure Spreader, TA, New Floor; JD 275 Disk Mower; Case IHC 8370 Windrower; Hesston 956 Round Baler; JD 48 Loader; JD 158 Loader; NH 352 Grinder Mixer; NH 900 Chopper, Elect Controls, Metal Detector, w/880 Hay Head, Shredded; Dohrman Silage Wagon, Roof, w/Westendorf 12T Gear, 10T Hoist, Shredded; NH 166 Windrow Inverter; NH 352 Grinder Mixer; NEW 16 - 5ftx24ft Free Standing Panels; NEW 90 - 6 Bar 20ft Continuous Panels; New 40 - 5ftx10ft Portable Corral Panels; New 50 - 24ft Free Standing Panels; JD 350 Sickle Mower 9ft; Automatic 3Pt PTO Mist Blower; JD 500 Grinder Mixer; JD 350 Sickle Mower; JD 896A Rake; Bearcat 950 Grinder Mixer Hyd Drive; Rhino SE 15 Bat Wing Bad Gear Box; Sioux Portable Loading Chute w/New Floor; Farmstar 2T Creep Feeder; F&H Silage Rear Unload Wagon; Farm King 12 Wheel Bat Rake; NH 202 Manure Spreader; JD 894A Hay Rake; Electric 5010 Hay Rack; SITREX RP-27 2 Wheel 3Pt Turning Rake; Portable Loading Chute; 8T PAX Bulk Bin; Honey Wagon w/Bad Pump; 3Pt Livestock Carrier; PTO Wire Winder; Stainhoist 7x12 Barge Wagon; Hesston 30A Stack Mower; 3Pt Gopher Machine; 3T Bulk Bin w/Auger; JD 38 Chopper w/2RW Corn Head and Hay Head; 2 - Bush Hog 7x12 Wagons w/Hoist; Misc Form Gates; Gnuse 7x13 Silage Wagon; Dohrman Big Red Silage Wagon with Roof **GRAIN HANDLING:** Killbros 1175 Grain Cart; Peck 12x92 w/Hyd PDK, 2013 Model; Hutchinsin 10" Hyd Belt Conveyor, Semi-Loader; Orthman 1096 Grain Cart; Parker 514 Series II Corner Auger w/Tarp; Peck 10x76 DDML, 10HP, 2013 Model; Parker 505 Gravity Wagon, Brakes, Big Tires; Batco 1535 Conveyor w/10Spd Motor; Peck 10x31 Electric w/Bin Hopper 2004 Model; Peck 10x71 DDML; Peck 10x31 PTO w/Bin Hopper, 2010 Model; Peck 10" Hyd Power Drive Kit; DEMCO 365 Bu Gravity Wagon w/Truck Tires; Westendorf 365 Bu Gravity Wagon w/Truck Tires; Bradford Bil 528 Grain Cart; Westendorf 400 Bu Gravity Wagon, 14T Gear, Truck Tires; Parker 2600 Gravity Wagon, w/PK 15T Gear; Parker 2600 Gravity Wagon, w/Big Tires, Surge Brakes; Parker 505 Gravity Wagon, Brakes, Big Tires; STOR-MOR Grain Bin 24ft, 7 Ring, 7000 Bu, Full Floor Aeration, Excellent Condition, Disassembled; Westendorf 400 Bu Gravity Wagon, w/Big Flotation Tires; Parker 2000 Gravity w/8T Westendorf; Parker 2000 Gravity w/10T Gear; Parker 500 Bu Gravity Wagon; Peck 8x61 DD w/Hopper; Yetter System, one seed jet; Killbros 375 Gravity Box; DEMCO 300 Bu Gravity Wagon w/Westendorf Gear; 2 - UFT 400 Bu Grain Carts; Peck 8x56, PTO, 1983 Model; JD 1210A Grain Cart; A&L 425 Grain Cart; UFT 400 Bu Grain Cart w/ Roll Tarp; 2 - Killbros 275 Gravity Wagons; 6x10 Wagon w/Hoist; Peck 8x51 Auger; Heider Grain-O-Vator; Lundell Gravity Wagon Barge Wagon w/Hoist, 6x10 Bradford 240-316 Gravity Wagon JD 953 Gear w/Heider Metal Box **PLANTING, CULTIVATING & SPRAYING:** Schaben 1000 gal Nurse Tank Pump & Indicator; Friesen 375 RT Seed Express; 12Ft Pull Type Native Grass Drill; JD 7000 4RW, w/Liquid Fert; JD 875 Cult 4RW; JD 400 Hoe,

4RW; Buffalo 4RW Cult; Helicopter Tanks, Case IHC Mts; 2000 Gal Poly Tank; 2000 Gal Poly Tank; TURLEY 3Pt Seeder, PTO, Double Spinners; IHC 3Pt, 2R 185 Planter; EZE Flow 120A Seeder; JD 6R Disk Hiller Ridger; IHC 800 Planter 8RW; Noble 4R Danish Tine; 2 - 500 Gal Water Tanks on Gears; 300 Gal 3Pt Tank; 60FT Folding Boom; 500 Gal Water Trailer; JD 6R Hiller; JD At-40 Cult 4R; IHC 5100 Drill Soybean Special 7X21DD **TILLAGE:** Schaben 1000 gal Nurse Tank Pump & Indicator; Friesen 375 RT Seed Express; 12Ft Pull Type Native Grass Drill; JD 7000 4RW, w/Liquid Fert; JD 875 Cult 4RW; JD 400 Hoe, 4RW; Buffalo 4RW Cult; Helicopter Tanks, Case IHC Mts; 2000 Gal Poly Tank; 2000 Gal Poly Tank; TURLEY 3Pt Seeder, PTO, Double Spinners; IHC 3Pt, 2R 185 Planter; EZE Flow 120A Seeder; JD 6R Disk Hiller Ridger; IHC 800 Planter 8RW; Noble 4R Danish Tine; 2 - 500 Gal Water Tanks on Gears; 300 Gal 3Pt Tank; 60FT Folding Boom; 500 Gal Water Trailer; JD 6R Hiller; JD At-40 Cult 4R; IHC 5100 Drill Soybean Special 7X21DD **TRUCKS, TRAILERS & VEHICLES:** 2010 Timpette 42ft, 66", Ag Hoppers, Electric Tarp, Air Ride; 2010 Timpette 41ft, 66", Ag Hoppers, Electric Tarp, Air Ride; 1988 GMC Top Kick 7000 Diesel, 3208 Cat, 6Spd, 18ft Grain Box, TARP, 103K Miles, 225 Rubber; 1986 Kenworth W-900 Conv, 400 Cummins, 13Spd, Jake; 1990 MACK CH613-E7, 10Spd, Jake w/650 Bu OBECO Box; 2013 Transcraft 102x53 Drop Deck Spread Axle, Air Ride; 2004 Wilson 42ft, Std Hopper, Tarp; 1990 Volvo 3406B Cat, 425HP, 13 Spd; 2008 Timpette Grain Trl 34ft Single Hopper, Air Ride; 2020 Utility Aluminum Semi Trailer Bed 53x102 Spread Axle; NEW 2007 Tiger Utility Car Trailer, 7000# Axle, 20ft, Beaver Tail, Ramps, Wood Deck; NEW 2020 Tiger Utility Car Trailer, 7000# Axle, 20ft, Beaver Tail, Ramps, Metal Deck; 1996 IHC 4900, 7.3 Diesel, 6 Spd Plus, Tandem Axle w/24ft Aluminum Cattle Box; 1998 Dodge 3500 Diesel, Auto, 206K Miles, Flat Bed, w/Boss RT3 Snow Plow; 1981 IHC Truck w/300 Oswaldt Feed truck, 3208 Cat, Auto; 2001 Ford F250 Super Duty, 4x4, Power Stroke Crew Cab; 1995 Ford F150 Flat Bed 4x4 TRANS PROBLEM; 2005 Chevy 2500HD Crew Cab, Duramax, Diesel, 4x4, Auto, w/Utility box; 2003 Ford F350, 4x4, Diesel, 117K, w/Utility Box; 1989 Chevy 3/4 Ton, 4x4, Parts Truck; 1999 Ford Super Duty 350, Crew Cab, Power Stroke, Manual Shift w/Flat Bed; 1996 Ford F-150, 2WD, 5 Spd, 6 Cyl, 66K Miles, Single Cab, Long Bed; 1999 IHC 3800 School Bus, 54 Passenger, Auto, IHC 444E Diesel Motor, 1902.25 Rubber, Single Axle, 117K Miles; 1966 Dodge 500, V-8, 482, 16ft Box & Hoist; 2000 Polaris 400 Scrambler, 4x4; 1988 Roadsystems Van Trailer, 29ft, Single Axle; 2019 Karavan 6x12 Utility Trailer; 1979 Featherlite 24ft, Steel Gooseneck Livestock, Tandem Axle Center Gate; 1991 Wilson 8x28 Gooseneck Livestock Trailer; 2006 Pontiac G6; Homemade 24ft Triple Axle Bumper Pull Trailer w/Title; 1974 J&W 6x16Gooseneck Livestock Trailer; 1976 Cornhusker Grain Trailer; JD 855 Diesel Gator Cab Heat Dump Box, 2100 Hrs; 1974 Ace 24" Double Grain Trailers; 1978 IHC S2275 290 Cummins, 10 Spd, 69k Miles; 1993 Jet Hopper Bottom, 38 ft Electric Traps; 1990 Pace Arrow Motor Home 32ft, Fully Equipped; Car tote for behind Motor home **HARVEST:** JD 612C 2010 Model; Case IHC 2388, 1998, 2900 Hrs Sep, 30.5x32, Fully Equipped; Case IHC 1680, 1992, 3590 Hrs; JD 9400, 1994, DAM, DAS, Fore & Aft, chaff Spreader, Bin ext. 24.5x32; JD 9510 Side Hill, 1998, 5345/3517 Hrs, New Motor, @3885 Hrs, Fully Equipped; JD 635 Flex; 2006 JD 893 Poly, Single Point, Hyd Deck, PTO Shaft, Std Rolls w/subtle lights; JD 920 Flex w/Air Reel; JD 643 OD, 1992 Model; Drago 8R30 Corn head, Case IHC Mts; NH TR 87, 1995 Model, 3135 Sep, Tracer 24.5x32 Tires; NH 996 Poly, 6RN, 1999 Model; NH 973 Flex, 18ft, Pol Reel, 1998; IA 435 Header Trailer; JD 213 Flex; JD 444 Cornhead; Case IHC 1020 Flex, 20 ft; JD 643 HT Cornhead; Gleaner 500 Series, 20ft

Flex; JD 220 Flex; Oliver 2R Pull Type Picker; Harvest Hand 25ft Dolly Wheel Header Trailer; JD 893 Poly; Hawkins 6R JD Corn Reel; MD Stud King, 32ft Header Trailer; IHC 963 Cornhead; B&B 25' Head Trailer SA; IHC 1020 20' Flex; NEW IA 838 Header Trailer; NEW IA 435 Header Trailer; NEW IA 430 Header Trailer; JD 918 Flex **ANTIQUE MACHINERY:** JD 730 Diesel, Elect Start, Swartz WF, 3PT, Fenders; JD 520 Original; Ford 800 Tractor; JD 5020 STD, Cab, PTO; Ford 8N w/Funk, 6 Cyl Conversion Over Drive; Ford 8N 1952 Model; IHC 300 NF; Ferguson 30; JD 1945 B Restored; IHC 560 Gas w/MM Loader; Oliver 1650 Diesel, 3Pt, PTO, WF, w/Westendorf Ldr, QT Bucket & Bale Fork; IHC Farmall 400 Gas, 2Pt 12Volt, Fenders; MM 1210 Corn Sheller, Excellent; Moline 3 Disk Plow on Steel; MM Model D Corn Sheller w/Drag; Big Butch 6x14 Wagon & Hoist, Westendorf Gear; 6 - JD Slab Wts, 3010-4020; Ford 8N-9N Front Wheel Weights; Ford 8N-9N Rear Wheel Weights; Pr JD Starter Weights; Farmall 400-450 Front Frame Weights; Case Front Wheel Weights; JD MT-420 Front Wheel Weights; JD 3 Disk Plow on Steel; Ford 2B 3Pt Plow; IHC 4B Pull Type Plow; JD 4B Pull Type Plow; IHC H-M Rear Fenders; JD 5020 Front End; JD 2B Pull Type Plow **CONSTRUCTION:** NEW IA 10F, HD, Box Blade w/Hyd Tilt; Rhino 1540, 3Pt, Hyd Blade; NEW Westendorf QT Pallet Forks; Westendorf 48" Pallet Forks w/JD Mounts; 2 - NEW Case NH Skid Steer Pallet Forks, 48", 5500#; Soilmover 625 Scraper; NEW IA 140R, 6Way Grader Blade; NEW IA 165 Hyd 3pt 10ft Blade; NEW IA 180 Hyd 3pt 8ft Blade; NEW IA 12F HD Boc Blade; NEW IA 10F HD Boc Blade; NEW IA SP9 & SP 10 Snow Pusher; NEW IA F08-F10 Tilt Box Blade; NEW IA F07, 110, F12 Box Blade; NEW Pro Weld 3Pt Tile Plow; NEW IA Pivot Track Closer; Easy Man 88" & 78" SS Bucket; Longhorn L5 & L6 Box Blade; Smith MFG - Semi Load of new Skid Steer Attachments, Hyd Augers, Brush Grapple, Brush Cutter; Post & Tree Puller, Tiller, Sweeps, Concrete Mixer, Concrete Breaker, Tremcher, & Much More **MISCELLANEOUS:** Several Semi-loads of Hardsteel Bldg Materials; New 800 gal TA Fuel Trailer w/Brakes; Hardsteel 3Pt Rear Boom w/Wheels; Pr 30.5x32 ANS Tires, Like New; Pr 24.5x32 Goodyear Dyna Torque on Case IHC 2366 Rims; Allied 100108 Hyd 6Way 3pt Blade w/Hyd Tail Wheel; Land Pride 2584 3Pt Blade; Deines Magnum 2200 Motor, 72" w/New Motor; Can-Am Rotary-1000 4x4 Dune Buggy; NEW ATV Drive Thru Gate; Gnuse Forklift Mt Scoop; New 1000 Gal Fuel Trailer Tank No Gear; Alloway 20ft Flat Shredder; Alladin Hot Water Pressure Washer; Agri-Products 400 Gal Saddle Tanks, Frt JD 8000T; Rhino SE-15 Bat-Wing, Bad Gear Box; 5 - 30ft Parking Lot lights, sodium filled, heavy tubing; 3Pt Hyd Wood Splitter; 3Pt PTO Cement Mixer; 5 - 18ft I-Beams; 18ft C Channel; JD Factory WF; Misc JD Rear Wts; JD offset cast rear wheel wts; Misc 24ft I-Beams; Western Saddles; English Saddle; Howse 6Ft Shredder, 2Pt; Bush Hog 7ft, 3Pt Shredder; Cooper Clipper, 7ft, 3PT, Shredder; JD 1064 Wagon Gear; Factory 8B Hub for Case IHC 5140; Factory 9B Hubs for Case IHC 5140; AgCo MFWD 10B Rims 12x28; 18.4x38 Tires & Hubs, JD 3 3/8; Westendorf 8ft Loader Buckets, QT; Sidewinder RD-16 3Pt Rotary Ditcher; JD 4020 Fenders; Big Ox 7ft 3Pt Shredder; Cummins Power Unit; Orthman 8RW Hyd Fold Tool Bar; Bush Hog 6ft, 3Pt Shredder; 21ft Drying Floor; Midwest Super 7 Hoist; JD 207 Pull Type Rotary Mower; Year Around Cab Frts IHC 1256; Pop Up Shelter; Water Winch Howse Reel; 1000 gal Diesel Tank; Misc Drainage Culverts; JD Steel Wheel Gear; 8T Running Gear; Chevy 6.5 Diesel Motor; IHC 345 Gas Motor; Barge Wagon w/Oliver Gear; 2 Wheel Steel Bed Trailer; Case Front End Wts; Hose Reel; 10'x6" Auger; 300 Gal Fuel Barrel; Misc Wood Posts; Pr 18.4x38 Tires; Misc Air Compressors; Pickup Utility Box; Pr 15.5x38, 9B Rims & Tires; 450 gal Fuel Tank; 3Pt Head Mover; Front MT Saddle Tank; 8B 44-20 Turf Tires

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Some items will be available on Equipment Facts. Check our website for details!

Cyber-physical system innovation promises to boost crop yields

After decades of growing corn and soybean across the Midwest, crop yields are approaching their theoretical limits. But there's still a need for more grain to feed people

and livestock. Engineers, geneticists, agronomists, system modelers and machine-learning experts at Iowa State University and the University of Nebraska-Lincoln think they might have a solution. They are combining their electronics, computing and crop expertise to develop a new CPS (cyber-physical system) that will constantly monitor fields at near single-plant resolution, predict productivity and help farmers manage their water and fertilizer use.

The U.S. Department of Agriculture is supporting the collaborative effort with a three-year, \$1.05 million grant. Iowa State University professor Liang Dong, the project's leader, said the researchers will combine and network together all kinds of tools as they build and test a data-driven, real-time system. These tools will include low-cost, high-performance field sensors, whole-field monitoring with sensors mounted on unmanned aerial vehicles, control systems, analytic engines, decision-making algorithms and testbeds.

The system, for example, could detect that crop plants aren't as green as they should be and will look for causes such as a lack of water or low levels of nitrogen. "By simultaneously detecting plant performance and diagnosing the cause, we can actuate the proper response," the researchers wrote in a project summary.

In areas where fields are irrigated, that response could include controlled delivery of water and nitrogen fertilizer to precisely those areas of a field that need it. That would minimize the amount and cost of fertilizer applications while reducing the amount of fertilizer that runs off fields and feeds harmful algal blooms in rivers, lakes and the Gulf of Mexico.

"We have looked at developing sensor-based technological solutions to help agronomists," Dong said. "This time, we're combining different sensors, models and controls all together to explain and predict plant-soil dynamics at high and unprecedented resolution. We're generating actionable information for decisions about the control, scheduling and application of water and fertilizer at variable rates along the center pivot of an irrigation system."

It's a high-tech system, sure, but it's also a down-to-earth way to help farmers build yields and improve sustainability. "We hope," Dong said, "this isn't science fiction."

Grass & Grain Area Auctions and Sales

Due to the uncertainty of recent events and the phases of re-opening, if you plan to attend any of the following auctions and have any doubts, please contact the auction company to confirm that the auction will be conducted and inquire about safety procedures if you are concerned. And please check their websites.

Always great online Equipment auctions — www.purplewave.com

Longshot Bar & Grill Online Auction (Bidding opens August 6, 8 am; Closes August 12, 8 pm; Chase, KS) — Selling Restaurant equipment including hot bar, commercial refrigerator, cooking grill, take-out items like cups, lids, etc., stackable chairs, bar stools & bars, electric beer signs, mugs, glasses, pitchers, restaurant china & more held online at hollingerauction.hibid.com/auctions/current. Auctioneers: Hollinger Online Auctions.

August 10 — 2 Storage Units to be sold by entire units held at Manhattan for Maberry RFD Storage. Auctioneers: Gannon Real Estate & Auction.

August 12 — 5,422 acres m/l of cropland & grass land located in Trego & Graham counties offered in 21 individual tracts (no combinations of any tracts) held at WaKeeney (online bidding available) for The Bank. Auctioneers: Farm & Ranch Realty, Inc., Neal Mann, listing agent, Donald Hazlett, broker/auctioneer.

August 15 & 16 (2-day auction) — Selling Aug. 15: Approximately 650 pieces tractors, machinery & industrial toys, cast iron bank collection; selling Aug. 16: Collectibles, 7 bronze, pewter & Montana Silversmith statues/figurines, pottery & glassware & more both days held at Holton for Pat Erickson & the late Jerry Erickson. Auctioneers: Gannon Real Estate & Auctions.

August 15 — Shop tools, lawn & garden, antiques & collectibles, furniture & appliances, household, guns held near Scott City for Jim & Janelle Krehbiel. Auctioneers: Berning Auction, Inc.

August 15 — Antiques, primitives, collectibles including glassware, ammo boxes, brass items, cast iron items, duck decoys & more; tools, Hiawatha boys bicycle, Christmas decor & more miscellaneous held at Portis for Don Chegwidan Estate. Auctioneers: Wolters Auction & Realty.

August 15 — Live & Online Auction selling Tractors & accessories, trucks, ATV, trailers, hay equipment, machinery, livestock equipment, shop & miscellaneous held Live

at Sabetha & Online at EquipmentFacts.com for Herman & Jean Renyer. Auctioneers: Harris Auction Service (www.holton-livestock.com).

August 15 — Live & online auction, Livestock feeding & handling equipment including loader & grapple bucket unit, swather, Honda Foreman 500, feed wagon, bale processor, Bobcat, portable corral, baler, stock trailers, bale feeders, feed bunks, continuous fence panels, portable panels, mineral feeders & more held at Washington for Stewart Family Farms, LLC. Online at EquipmentFacts.com.

August 15 — Tractors, combine, trucks, machinery, horse machinery, motorcycles, antiques, collectibles, tools & other held near Clay Center for Clarence & Marjorie Urban Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

August 15 — Farm auction held at Baldwin City (Vinland Fairgrounds) for J.C. Brown Estate. Auctioneers: Elston Auction Company.

August 15 — New Strawn Consignment auction including tractors, trucks, vehicles, farm & ranch equipment, lawn & garden, trailers, tools, building materials, farm misc. & more held at New Strawn. Auctioneers: Darwin Kurtz, Lyle Williams, Laverne Yoder; Richard Newkirk, sales manager; Larry Hermon, asst. sales manager.

August 16 — Large assortment of vintage, collectibles, antiques, pottery, hundreds of smalls, travel trailer held at Osage City for Mrs. William "Pam" Lynn. Auctioneers: Wischropp Auctions.

August 20 — (Live & Online bidding) Farm machinery consignment auction selling tractors, hay & livestock equipment, grain handling, planting, cultivating & spraying, tillage, trucks, trailers, vehicles, harvest equipment, antique machinery, construction & miscellaneous held Live at Tekamah, Nebraska and online EquipmentFacts.com. Auctioneers: Lee Valley, Inc. (www.leevalley.net).

August 22 — Combine, heads & header trailer, trucks, pickups, augers & grain bins, tractors & antique tractors, antique machinery & primitives, JD Gator, tools & miscellaneous, planter & farm machinery, Classic vehicles (1955 Studebaker, 1941 Chevrolet pickup, complete, 1939 Chevrolet 2 door car) held near Fairbury, Nebraska for Gene & Kathy Heidemann retirement auction. Online bidding available at www.schultis.com. Auctioneers: Schultis & Son, Inc.

August 22 — Antique wagons, primitives, collectible car (1931 Ford sedan 4dr) & parts, antique furniture, & other antiques held at Russell Springs for The Late Blue & Velma Mastin and The Late Gene & Helen Thacker. Auctioneers: Berning Auction, Inc.

August 22 — Farm Trac Model 60 tractor with loader, small 3 pt. equipment, Hale 2-horse trailer, power & hand tools, guns, primitives & more held at Marquette for Ronald Becker Estate. Auctioneers: Oswalt Auction Service.

August 22 — Coins & Guns held at Cottonwood Falls for property of Merle Ecklund. Auctioneers: Griffin Real Estate & Auction.

August 22 — Guns, brass locomotive bell, arcade, Western collectibles & signs, blacksmith items, taxidermy, signs (porcelain, embossed, etc.), beer signs, buggy, primitives, figurines, coins, trailer & much more held at Strong City. Auctioneers: Hancock Auction & Real Estate.

August 22 — Real Estate & personal property including tractors, guns, ammo, reloading, vehicles, tools held at Lindsborg. Auctioneers: Wilson Realty & Auction Service.

August 22 — Farm retirement auction including Kawasaki 4x4 Mule, Lone Star flat bottom boat, Gehl 2500 skid steer/loader with bucket, 1972 C50 farm truck, car, mowers, loading chute, riding mower, pedal tractor, shop tools, collectibles & antiques held at Wamego for John L. & Juanita Habluetzel. Auctioneers: Crossroads Real Estate & Auction, LLC.

August 22 — Real Estate consisting of 3+ BR home with Morton Building & 2-car garage on 1 1/2 acres; plus dolls, collectibles, tools, mowers, vintage, furniture held at Burlingame for Patricia M. Dennison, Cindy S. Dennison, POA. Auctioneers: Miller & Midyett Real Estate & Wischropp Auctions.

August 22 — HD Lee collectibles, antique furniture, store tins & very large tin collection, advertising thermometers, glassware, art & pictures including Sandzen, Kreige, Fox & others; crocks, Singer toy sewing machine, electric train, dolls & more collectibles held at Salina for 2 local collectors. Auctioneers: Thummel Real Estate & Auction, LLC.

August 22 — 2008 PR Cruiser, Retro lighted juke box, furniture, large floor scale, household, holiday decor, collectibles, large trampoline held just west of Junction City for Thom-

as & Mary Ballowe Estate. Auctioneers: Gannon Real Estate & Auctions.

August 22 — (rescheduled from June 6) — Farm machinery, trailers, 1976 Lincoln, antiques, farm supplies, tools, iron & miscellaneous held at Talmage for Twila (Mrs. Rosanlee) Holt. Auctioneers: Kretz Auction Service.

August 23 — Toy Tractors & Trucks including 150+ tractors, 1/16 & 1/64 scale, die cast, train cars & buildings, doll house & furniture, tin race tracks & more; also cast iron & collectibles, knives, kerosene lamps, Lionel 6464 photos & many more held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

August 25 — 440 acres m/l of Quality Farmland in Miami County sold as an entirety or split into 3 tracts held Live at Paola with internet bidding available for Thomas M. Mang property, Paul & Patricia Morano, administrators. Steve Cutshaw, listing agent; Paola Livestock Auction, auctioneer.

August 29 — 1981 Airstream Excella II RV travel trailer, autos, pickups, classic autos (64 Chevy 10 1/2 ton pickup, 1951 Ford 4 Dr. Sedan Custom), ATV 4-wheeler, wood pellet grill, boats & trailer, fishing & hunting equipment, tractors, machinery, snow blower, lawn & garden, collectibles tools & miscellaneous held at Beatrice, Nebraska for Lee & Marian Gerwick and Ralph & Joyce Kassing. Auctioneers: Jurgens, Henrichs, Hardin, Sommerhalder.

August 29 — Firearms auction including 125 ri-

fles & shotguns held at Alma for a Private Collector. Auctioneers: Cline Realty & Auction, LLC.

POSTPONED! (August 30) — Approx. 130 High-End Guns, scopes plus ammo held at Salina. Auctioneers: Wilson Realty & Auction Service.

August 31 — Farm machinery, new skid steer, nice pickups & more at Clay Center for The Lorenz Karmann Estate. Auctioneers: Kretz Auction Service.

September 1 — Real estate selling a 3-bedroom, 1 bath, 1 1/2 story, old-style home with wrap around porch, storage shed & nice backyard held at Wamego. Auctioneers: Crossroads Real Estate & Auction, LLC.

September 4 — 80 acres m/l acres Marshall County/Cottage Hill Cropland farm auction held at Waterville for E. Eugenie Long Trust. Auctioneers: Olmsteds Auction.

September 5 — Tools & camera equipment held at Salina. Auctioneers: Wilson Realty & Auction Service.

September 10 — 2 tracts of Clay County cropland held at Clifton for Leslie W. Root Living Trust. Auctioneers: Clay County Real Estate, Greg Kretz, salesman & auctioneer.

September 10 — 96 acres of farmland, mostly tillable which touches the city limits held at Waverly for the Heck Family. Auctioneers: Darwin W. Kurtz, broker & auctioneer.

September 12 — Possible antiques & collectibles, guns, farm machinery, pickups, hay equipment, livestock feeding equipment & a number

shop tools held at Bennington for Denny & Janice Graham. Auctioneers: Royce Bacon Auction Service.

September 12 — Real Estate & personal property auction including house, pickup, motorcycle, H-D collectibles, misc. housewares at Salina. Auctioneers: Wilson Realty & Auction Service.

September 19 — Household goods & collectibles at Clay Center for Betty (Mrs. Grant) Sump. Auctioneers: Kretz Auction Service.

September 19 — 2 Day Sale ammo & reloading equipment held at Salina. Auctioneers: Wilson Realty & Auction Service.

September 20 — Day 2 Gun Auction held at Salina. Auctioneers: Wilson Realty & Auction Service.

September 21 — Farm machinery, iron, shop tools & miscellaneous held near Herington for Duane Stroda. Auctioneers: Kretz Auction Service.

September 26 — Car, tools, miscellaneous, household, antiques & more held at Cuba for Evelyn Marcella Regenscheid Estate. Auctioneers: Novak Bros. & Gieber.

October 10 — 1,400 acres m/l of Brown County land held at Hiawatha. Auctioneers: Midwest Land & Home.

October 28 — Fink Beef Genetics Production Sale held at Randolph. Contact Galen Fink at 785-532-9936.

December 5 — Consignment auction held at Wetmore for St. James Catholic Church. Early consignments contact Bill Burdick (785-547-5082) or Ron Burdick (785-207-0434).

AUCTION

SATURDAY, AUGUST 22, 2020 - 10:00 AM

7106 CANYON ROAD - JUNCTION CITY, KANSAS

(4 miles West of Junction City on I-70 to Old Milford Lake Road (Exit 290), North 4 miles to Trail Road then NW 5 1/2 miles to Union Road, turn right to Laurel Canyon Road then 1/10 mile to Canyon Road.

2008 PR Cruiser (Touring), 87,000 miles, clean & good. Very nice retro lighted juke box. Dining table & 8 chairs; wooden china cabinet with drawers; bar cabinet; kitchen table & 4 chairs; 2 recliners; wood & glass entertainment center; roll-top desk; glass & mirror bar table 3 wooden rocking chairs; brass & glass display unit; full size bed, headboard, 2 night stands, matching dresser with mirror & chest-of-drawers; console sewing machine; blue rocking chair; large headboard with matching dresser & night stands; custom wood shelf unit; 2 book/display shelves; bedroom set with 2 twin bed, 2 chest-of-drawers, dresser with mirror; TV trays; 2 coats racks; coffee & 2 matching end tables; **large floor safe**; cabinet with 2 drawers; small white cabinet; bookcase with drawer; remote cars, boats & lots of RC accessories; bed & matching dresser; night stand; collector spoons & rack; large spoon & fork wall hangings; 2 Thailand face carvings; various lamps; cabinet with sliding doors; newer portable sewing machine; bookcase; wooden artwork from Thailand; antique hand gun; silver service set; lots of steins & mugs; fine glassware; decanters; **LOTS HOLIDAY DECORATIONS**; Avon plate sets & collectibles; Corningware; several set of antique & newer china; walkers, bath seat, gait belt; canes; wood heat stove; Craftsman air compressor; gas scooter; 2 snow blowers; roll around mechanics tool chest; metal trailer; metal lockers & shelf units; chop saw; table saw; chain saw chain sharpener & chains; lots hand, shop & lawn tools; Coleman lantern; propane bottles; porch swing; 2-4'x8' sheets plexi-glass; blow torch; wood quilt rack; console TV, stereo & radio; microwave stand/cart; Ludwig drum set with cymbals; large outdoor Nativity set; fans; fire extinguishers; large trampoline; books; child's wagon; lawn spreader; creeper; weed-eater; lawn chairs; **lots & lots more! THIS IS A VERY PARTIAL LIST.**

THOMAS & MARY BALLOWE ESTATE

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AUCTION

SATURDAY, AUGUST 15, 2020 — 9:00 AM

Auction will be held at the farm 2224 Hackberry Road (West of Clay Center, Ks on Hwy. 24 to Hackberry go North 5 miles, or from Morganville 3 miles West on 23 Road then 1 mile South on Hackberry)

TRACTORS, COMBINE, TRUCKS & MACHINERY

1971 John Deere 4400 gas combine 2200 hours cab in the shed; 1961 John Deere 3010 diesel tractor w/GB 800 loader, needs some work; Oliver Super 55 gas utility tractor runs; JD 170 skid loader good; Massey 65 propane tractor, 3 pt. 13.6-38 tires runs; Ford 9N tractor; Allis WC unstyled tractor on rear steel; Moline 5 Star tractor; Moline Z tractor; 1940s Cat D4 tractor; C40-322 LaPlant Choate pull scraper; Cletrac E-76 wide track tractor Hercules engine stuck; 2-F20 tractors; IHC F12 tractor; 1929 Ford Model A flatbed truck; Model A & T parts; 1969 Chevrolet C50 truck 13 1/2' 8 wheel drive pickup auto, 350 engine; 1992 Chevrolet 1/2 4 wheel drive pickup auto, don't run; 2 wheel pickup box trailer; tandem axle trailer; Payloader w/3' bucket; John Deere 2270 diesel swather 14' header runs; 400 bu. 2 wheel grain cart; tandem axle 4'x10' flat bed trailer; John Deere L & M wood box manure spreader, hardly used; John Deere 3 bottom roll over plow; John Deere 214T & 24T balers; 3 pt. Dempster 2 row 50 planter; 3 pt. 6' tandem disc; Oliver metal manure spreader; JD sickle mowers inc: 10-1659 mounted; 3 pt. 2 bottom JD plow; 3 pt. 6' blade; 3 pt. 4 row cultivator; swather 2 wheel trailer; wench on 2 wheel trailer; 3 pt. 2 row planter; JD loader; cement mixer w/electric engine; metal loading chute; rotary hoe; Arts Way grinder mixer been setting; 2 wheel metal trailer; JD 3 pt. cultivators; American Truck Equipment 3 pt. ladder; many lawn mowers inc: (Massey no7 lawn tractor, Ford WT 12.5 & LT 114, walk behind sickle, many others); David Bradley walk behind w/equipment; John Deere stationary 4 cy. engine; mobillift; Holbart generator welder; **Horse machinery inc:** 2 row Hoosier corn planter; unusual road grader; dump rakes; dirt slips; cultivators; disc; planters.

MOTORCYCLES, ANTIQUES, COLLECTIBLES, TOOLS & OTHER

Cushman Vespa Piaggio scooter; Honda 70 motorcycle; Kawasaki KM 100 motorcycle; Horsepower grinder; Morganville school gym scoreboards; Clay Co. High School Honor Roll large display; wood cabinet w/40 drawers; cast iron slide steps; pedal grinders; well pumps; oil cans; large amount of car parts some new

NOTE: Clarence went to sales for over 60 years. He always brought something home. There are many unusual pieces. The tractors have been in the shed, most ran when put in shed. Come spend the day, you will find things you haven't seen in years. There are many items that have not been uncovered yet. We will sell tractors & machinery at 1:00 p.m. Check our web site for pictures at www.thummelauction.com. Please wear your mask, if you are not feeling well please stay home and call in your bids to 785-738-0067. Be sure to check to make sure everything is still OK for the auction. THANKS

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

ANTIQUE AUCTION

SATURDAY, AUGUST 22, 2020 — 10:00 AM

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

ANTIQUES & COLLECTIBLES

H D Lee collectibles inc.: (Buddy Lee doll; Mercantile store bin; H D Lee delivery box; thermometer; glass jar; many spice tins; Lee Lighting spoon; large collection of other pieces); ice cream table & chairs & soda glass from drug store across from Depot in Salina, KS; Yale coffee box; Schrader tire gauge display; store tins; store display containers; thermometers inc: (Kansas Wesleyan & other Salina advertising; Coca Cola); Stevenson Clothing advertising; porcelain Barber Shop sign; unusual stereo optical card holder; Colz Coal match safe; very large collection tins; (Lee, HGF, WDK, Butzer, Watson, Summer Girl, Breakfast Call, Dillons, Fleming, very large collection of other); Kansas Wall Seal; **Furniture:** walnut umbrella stand w/marble; oak 3 door "Stika" ice box; oak organs; organ stool; oak sewing machine cabinet; oak 2 drawer chest; small wood benches; bamboo stand; walnut sewing chest; bridge lamps; wooden cog coffee table; round oak table; cast iron hall tree;

P&O cast iron seat; oak wall telephone; large ink well collection; desk sets; pickle castor; glass basket; many pieces glass; syrup pitchers; salt dips; mesh purses; umbrellas; fancy dresser boxes; Zenith radio; All Cream ice cream tray; Coke trays; ice cream molds; chocolate molds; Holmes & Edwards flatware; **Art & Pictures inc:** (Sandzen "Tree & Wheatfield" print; Jim Kreige painting; Fox; many very quality pictures); Nesbitts Salina, Ks. mileage; 1867 wooden lunch box w/ wooden plate from Abilene; unusual wooden stereo viewer card holder; **Crocks:** Sleepy Eye (bowl, mug, vase, short bowl); 5 gal Waconda Water jug; 3 & 5 gal Red Wing churn; 3, 4 & 20 gal Red Wing crocks; Alamito Dairy Cottage Cheese crock; crock lay down chicken water; blue crock pitcher & butter; assortment other crocks; crock bowls; several churns (wooden, glass, crock & other); buffalo rug; assortment kerosene lamps; wick cutter; photo albums; Clocks: (Kitchen, Seth Thomas shelf, banjo; horse); T&D unusual wooden slicer; collection butter molds & presses; JoMar milk bottle; Shocker & KU bottles; Salina tag topper; bread molds; wire baskets; light fixtures; Singer toy sewing machine; child's stroller; 1908 Saline Co atlas; wooden foundry molds from Enterprise, Ks.; pair vases from Lamer Hotel; car side lights; Christmas items; teacher bell; lamp parts; Coke Santa stand-ups; dolls; IHC & Tru Scale pickup; electric train; New York Jets team autographed football w/ Joe Namath & Jim Jones; many kitchen primitives; railroad lantern; scales; child's wooden dog sled; wooden sled; cherry pitter; battery jar; cheese cutter; egg scale; cast iron elephant & dog door stops; wooden boxes; ice cream freezer; copper boiler; cast iron tea kettles; oil cans; many farm primitives; wooden wringer; cast iron pot; gas fill can; many wood items; shoe molds; stompers; hay knives; oil cans; records inc: John Denver; many early primitives; assortment books; 20'x10' outdoor canopy; kerosene gear; assortment of other items.

NOTE: This is a very quality auction. We have combined 2 local collectors. Both of the collections are very quality. There are many very unusual collectibles and a very large collection of H D Lee collectibles. There are many advertising pieces. Check our web site for pictures at www.thummelauction.com. For everyone's safety if you are sick please stay home and call your bids to us at 785-738-0067. For your safety wear your mask & gloves.

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



ON THE EDGE OF COMMON SENSE

Handicapped Golfer

I played in a celebrity golf tournament in Oklahoma City a while back. Now, I've been to a few celebrity team ropings, a couple celebrity stock dog trials, a million brandings and one celebrity rock pickin' - but this was my first celebrity golf tournament. Generous people paid a lot of money to play golf with well-known folks. The money was donated to help the blind.

would qualify me for handicapped parking. He asked me how well I played. I said not too well. I'm sure he thought I was being modest, because after the first hole he turned to me and said, "You really don't play golf too well, do ya?"

You play eighteen holes to a game. I don't know why they invented that number. You would have thought they'd play ten or a dozen or an even twenty; but for some reason, they chose eighteen. Probably the first golfer just played till his arms were sore and decided that was enough.

When you get down to the nitty gritty, there are two weapons you use in the game; the driver and the putter. First you line yourself up between two swimming-pool floats and "tee off." This is done with the driver, which is a fly rod with the handle sawed off. Only my gun-bearer and guide know which way to aim. He'd stand up beside me and point off to the horizon. Then tell me to hit the ball off in

that general direction. It was always necessary to clear the spectators back 180 degrees from my line of fire. It was impossible to predict which direction my ball would go. By the third hole, we'd traded our golf cart in for an all-terrain vehicle and the rest of our foursome was driving an armored personnel carrier.

Once you make the green it is recommended that one use a putter. The only comparison I can make to putting is that it's like shooting the eight ball on a table the Navy has been landing planes on for three days! I think I could have dropped the ball from a hovering helicopter and had a better chance of hitting the hole. Finally, they let me putt with a snow shovel. They said it improved my game.

A nice feller lent me his golf bag and a pocket full of balls. I lost six of them. I was ashamed to tell him. I'm sure he thinks I stole 'em. I lost so many balls that we eventually rented a backhoe for the sand traps and hired two scuba divers to join our caravan.

They haven't asked me back. But maybe I'll get invited to a celebrity bowling tournament; at least I won't lose as many balls.

www.baxterblack.com

4-H horticulture contest set for Aug. 15-16

The Kansas 4-H horticulture judging contest will go the way of so many other state activities during the current pandemic, moving to an online format Aug. 15-16.

Beth Hinshaw, the 4-H youth development specialist in the southeast region, said 4-H members will have a 24-hour period - beginning at 8 a.m. on Saturday, Aug. 15 - to complete the three-part contest.

"I love the horticulture contest for the kinds of things that it teaches young people," Hinshaw said. "This is a great opportunity to hone their decision-making skills, and to use their power of observation to make decisions related to horticulture."

The contest includes: Judging. Youth will look at a set of four items - for example, four plates of potatoes or four pots of mums - and place them in rank order.

Identification. Youth must identify 50 horticulture samples, which might be foliage, fruit, nut, seed,

or other. Knowledge. Youth study materials related to horticulture practices and answer questions. Some of the categories include how to mow the lawn to a proper height; how to water a young tree; how to deal with poison ivy; or how to attract backyard birds.

"This contest is a great knowledge builder for kids to learn about different plants, some of which they may plant or grow one day," Hinshaw said.

The contest includes two age divisions: Intermediate (ages 9-13 as of Jan. 1, 2020) and Senior (ages 14-18). Youth interested in entering the contest should contact their local extension office by Aug. 12, though Hinshaw advises registering as soon as possible.

"We piloted the platform that we are using during our summer contests in the southeast region," she said, crediting Lyon County extension agent Travis Carmichael for putting together the online format.

Hinshaw suggests youth

plan to use a tablet or computer on the contest, since it will make it easier to see the online images.

"A number of these young people study year-round on horticulture," she said. "We also have some great resources on our website where they can look at different plants, and certainly a lot of these young people have those same plants right in their own garden. They should be ready."

The contest is normally held on the Kansas State University campus in Manhattan as part of a partnership between Kansas 4-H Youth Development and the Department of Horticulture and Natural Resources. Hinshaw said she's proud that organizers were able to adapt the contest so that youth could participate this year.

"There's always something more to learn," she said. "Since we can't come together in person, it feels really great that we have an alternative for young people to take part in."

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Farmers & Ranchers AUCTIONS EVERY MONDAY & THURSDAY

Selling Cattle every Monday Hog Sales on 2nd & 4th Monday of the month only!

RECEIPTS FOR THE WEEK: 4,698 CATTLE.

STEERS			
400-500	\$180.00 - \$195.00	18 mix	McPherson 813@143.25
500-600	\$170.00 - \$179.00	81 blk	Abilene 877@142.25
600-700	\$152.00 - \$167.00	32 mix	Abilene 833@142.25
700-800	\$143.00 - \$155.00	64 blk	Lorraine 846@141.00
800-900	\$137.00 - \$147.50	54 mix	Waverly 908@138.00
900-1,000	\$125.00 - \$138.00	110 blk	Abilene 863@134.60
		55 blk	Jay, OK 951@133.00
		21 mix	McPherson 983@129.50

HEIFERS			
300-400	\$160.00 - \$174.00	5 blk	Ellsworth 365@174.00
400-500	\$143.00 - \$156.00	6 blk	Tescott 454@156.00
500-600	\$140.00 - \$152.50	6 mix	El Dorado 451@155.00
600-700	\$132.00 - \$144.00	7 blk	Gorham 476@154.00
700-800	\$128.00 - \$137.50	11 mix	Hope 538@152.50
800-900	\$120.00 - \$133.00	8 mix	Superior, NE 552@152.00
900-1,000	\$118.00 - \$128.50	3 mix	Wakefield 510@150.00

THURSDAY, AUGUST 6, 2020:

STEERS			
8 mix	El Dorado	481@1710.00	
5 mix	Lindsborg	411@195.00	
3 blk	Ellsworth	410@194.00	
1 bwf	Ellsworth	430@191.00	
5 blk	Ellsworth	514@179.00	
2 blk	Sylvan Grove	483@176.00	
6 blk	Tescott	540@172.00	
14 blk	Ellsworth	575@170.00	
8 mix	Alma	586@169.50	
15 mix	Gorham	580@169.00	
4 blk	Wakefield	559@168.00	
9 blk	El Dorado	627@167.00	
13 blk	Salina	569@165.50	
7 mix	Superior, NE	580@165.50	
76 mix	Longford	696@159.75	
16 mix	Nickerson	638@159.00	
6 blk	Abilene	668@158.00	
19 mix	Alma	688@157.75	
13 blk	Ellsworth	740@155.00	
18 mix	Abilene	688@155.00	
8 mix	Durham	706@154.00	
6 blk	El Dorado	780@154.00	
10 mix	Longford	712@153.50	
13 blk	Sylvan Grove	709@152.00	
15 blk	Marion	729@151.50	
55 blk	Tescott	729@151.50	
5 blk	Durham	757@150.50	
8 mix	Randolph	758@149.50	
12 red	Hutchinson	742@149.50	
8 mix	Lindsborg	743@149.25	
24 mix	Durham	788@149.00	
4 blk	Jamestown	728@148.50	
28 mix	Marquette	798@148.00	
72 blk	Herkimer	803@147.85	
69 mix	Lorraine	751@147.74	
128 blk	Tampa	801@147.50	
128 blk	Mahaska	803@147.25	
118 mix	Mahaska	866@146.50	
73 blk	Longford	805@146.50	
138 blk	Abilene	845@144.75	
58 blk	Tampa	869@143.75	
60 mix	Herkimer	891@143.60	
58 blk	Tampa	869@143.75	
60 mix	Herkimer	891@143.60	
58 blk	Tampa	869@143.50	
127 blk	Abilene	882@143.35	

MONDAY, AUGUST 3, 2020:

CALVES			
2 mix	Lindsborg	275@525.00	
1 blk	Salina	200@525.00	
8 mix	Gypsum	214@500.00	
1 blk	Beverly	265@485.00	
1 blk	Geneseo	240@450.00	
1 blk	Salina	180@450.00	
10 mix	Gypsum	218@435.00	
1 blk	Hoisington	160@425.00	
1 bwf	Randall	170@400.00	
1 blk	Wilsey	85@350.00	
1 bwf	Randall	115@335.00	

BULLS			
1 blk	Jamestown	1785@106.00	
1 blk	Barnard	2250@105.75	
1 blk	Delphos	1900@103.00	
1 blk	Wilson	1925@102.50	
1 rwf	Hope	1980@102.00	
1 blk	Abilene	1855@102.00	
1 blk	Wilson	1715@102.00	

Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211
MONDAY — CATTLE • HOG SALE 2nd & 4th MONDAY
Hogs sell at 10:30 a.m. on the 2nd & 4th Monday of the month.
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, BRANDON HAMEL & GARREN WALROD
For a complete list of cattle for all sales check out our website www.fandrive.com

CATTLE USA.com LIVE CATTLE AUCTIONS
FARMERS & RANCHERS HAS SWITCHED BACK to Cattle USA.com for our online auctions.

1 blk	Abilene	2170@101.50	1 blk	Lindsborg	1360@79.50
1 blk	Ellsworth	1905@100.00	1 red	Canton	1360@79.00
1 red	Courtland	1475@98.00	1 red	Canton	1625@79.00
1 blk	Lindsborg	2050@98.00	1 bwf	Hoisington	1615@79.00
1 blk	Hillsboro	1655@96.00	1 bwf	Salina	1215@78.50
			1 blk	Salina	1250@78.00
			1 blk	Wilsey	1395@78.00
1 red	Canton	1535@84.50	2 blk	Durham	1240@77.75
1 gray	Galva	1105@83.50	1 blk	Durham	1105@77.00
1 red	Canton	1455@83.50	5 blk	McPherson	1283@77.00
1 red	Gypsum	1300@82.50	1 blk	Hoisington	1520@77.00
1 blk	Osborne	1375@82.50	1 red	Hoisington	1360@77.00
1 wf	Chapman	1460@81.00			
1 blk	Chase	1285@80.50			
1 char	Wilsey	1355@80.00			

Time Is Running Out to get your horses consigned to the
FALL CLASSIC HORSE SALE
or Annual Weanling & Yearling Sale
ON OCTOBER 10-11, 2020.
GET YOUR HORSES CONSIGNED THIS WEEK!

EARLY CONSIGNMENTS FOR THURSDAY, AUGUST 13, 2020
50 s&h 700-850 all vacc/off grass, 350 mostly blk str 850-900 off grass, 75 s&h 600-725, 65 blk hfrs 800 off grass, 115 blk str 950-975 off native grass, 60 blk s&h 600-650 home raised/long weaned/vacc/no implants/off grass, 20 s&h 650-900 off grass, 45 blk s&h 700-900 home raised/long weaned/off grass, 110 char str 800-875 1 iron Sandhills origin, 100 charX str 800-875 northern origin

NEXT COW SALE IS TUESDAY, AUGUST 11, 2020, starting at 5 pm

- BULLS**
- 3 yearling bulls-Black Angus semen check, virgin, 1-2 yr old blk Angus bull, semen & Trich tested
 - 1 blk purebred Angus bull, 18 mo. virgin, semen checked, not registered
- COWS**
- 350 Black, BWF & Char X cows 3-5 yrs, bred Char 50-60 calves on ground, start calving September 5th
 - 20 Red cows 3-6 yrs, bred Red Angus
 - 68 Red Angus cows 3-6 yrs, Janssen Red Angus genetics, bred Red Angus, calve September 12
 - 30 Black cows 3-4 yrs, bred Angus
 - 175 Angus cows, Reg & PB cows 3-7 yrs, bred Lucky 7 Angus bulls September 1
 - 43 Black & BWF 4-8 yrs bred Gardiner Angus, few bred Hereford, September 10 (November 15) vacc, all raised calf last year
 - 46 blk and red cows 4-8 yrs bred Kneively red angus bulls turned in November 15
 - 11 mostly 4-5 yrs fall calving cows start September 1 for 55 days bred to Wooden Cross Charolais
 - 5/5 mostly blk pairs 4 to older been exposed back to Wooden Cross Charolais bulls for 35 days
 - 8 blk & red angus fall bred cows 5-7 yrs bred blk or Hereford
 - 20 blk & red hfrs all AI bred
 - 4/4 blk hfr pairs bred back

IN STOCK TODAY:

- Heavy Duty Round Bale Feeders
- 42' ROUND BALE DUMP TRAILERS
- HEAVY DUTY FEED BUNKS (Silage & Grain)
- HEAVY DUTY 5000# GRAIN TOTE