



K-State researchers land \$500K grant to study alfalfa

Kansas State University researchers are ready to launch a study on an alfalfa variety that could be more pleasing on cow's stomachs and producers' bottom line.

DooHong Min, associate professor of agronomy, is leading a team from K-State and the University of Nebraska which recently received \$500,000 from the U.S. Department of Agriculture's National Institute for Food and Agriculture to test growing conditions and conduct feeding trials with low-lignin alfalfa.

Lignin is the component which gives strength to the alfalfa plant, but limits digestion in cows and other ruminant animals. At least two recent alfalfa varieties are now on the market with low- or reduced-lignin properties, Min said.

"Animal performance, especially milk and meat, is heavily related to digest-

ibility," Min said. "That's why it's so critical to lower the lignin content in alfalfa."

In the United States, alfalfa has a cash value of \$9.5 billion annually. Kansas growers dedicate an estimated 610,000 acres to alfalfa each year, a substantial share of the 1.68 million acres grown in the United States. Min said every state grows some alfalfa, as well as numerous countries. It is sometimes called the "Queen of Forages" due to its reputation as a feedstuff for livestock.

"In the past, once the alfalfa starts to blossom, called the flowering stage, then the forage quality starts to go down dramatically," Min said. "This new trait of low-lignin alfalfa can maintain nutritive value for seven to ten days after blossoming, while increasing the biomass (or



K-State researchers Krishna Jagadish (left), Barry Bradford (center) and DooHong Min talk about their upcoming project to test the digestibility of low-lignin alfalfa in dairy cows.

amount that is available for feed)."

Under perfect conditions, that would translate to greater opportunity for farmers to harvest highly digestible alfalfa that pro-

vides the necessary nutrition to cow herds. But there is very rarely a "perfect" farming season, so K-State researchers will be studying how the low-lignin varieties perform under a

variety of environmental conditions.

"There is always going to be some shortages of water, so we need to know how these shortages are going to affect the yield and the quality," said Krishna Jagadish, an associate professor of agronomy at K-State.

Jagadish will be growing the low-lignin alfalfa varieties under rain shelters, where the amount of moisture the plant receives can be controlled. The goal, he said, is to determine if the plant can maintain low levels of lignin in all moisture conditions.

"If farmers are able to reduce a certain amount of water, especially in southwest Kansas (where two-thirds of the state's alfalfa is grown), then there is the potential for water savings," Min said. "And since this is a low-lignin alfalfa, the dairy producers can produce more milk because of higher digestibility. Eventually this will

result in higher farm profitability and sustainability."

Barry Bradford, a K-State professor of animal science, and Paul Kononoff, a professor of dairy nutrition at the University of Nebraska, are tasked with proving the nutritional value of low-lignin alfalfa to cows.

The duo will conduct feeding trials with 60 lactating Holsteins and 12 lactating Jerseys to determine if low-lignin alfalfa has an impact on diet digestibility or yields of milk, milk fat and milk protein.

Bradford said the feeding studies are important because virtually no work has been done in the U.S. to determine the effects of low-lignin varieties: "What nutritionists have been forced to do is take what we know about feeding corn silage and apply that to feeding alfalfa," he said.

He added that the low-lignin varieties could be sold at a higher price if it's shown that they can, indeed, improve the animal's production. "Once we know what the likely digestive effects are, and if we are paying more for it, we can then determine if it leaves you with extra revenue," Bradford said.

He adds: "Alfalfa is the second most important forage that we feed dairy cows in Kansas, after corn silage. We definitely need to determine how important these varieties are."

Min said the two-year study begins in just a few weeks when the research team will plant low-lignin alfalfa. "We are very excited," he said, "but at the same time, we have a lot of work to do."

Kansas State University schedules two Landon Lectures for fall 2019

Kansas State University's Landon Lecture Series will kick off the 2019-2020 academic year with two lectures scheduled for the fall semester.

U.S. Secretary of State Michael R. Pompeo is scheduled to speak on Friday, Sept. 6, while Fortune CEO Alan Murray will speak on Friday, Sept. 27.

Both lectures will be in McCain Auditorium beginning at 10:30 a.m. on their respective dates.

"This semester, we are honored to bring two prominent leaders with dynamic careers and formidable experiences to share thought-provoking messages on stage in the heart of America," said Linda Cook, chair of



Mike Pompeo

the Landon Lecture Series and the university's chief of staff and director of community relations. "Each will bring unique perspectives on diverse topics that impact all of us and the world around us."

K-State's Landon Lectures are free and open to the public. The lecture series, one of the most prestigious offered at a



Alan Murray

U.S. college or university, offers opportunities for students, faculty, staff and the public to hear directly from today's global leaders.

• Michael R. Pompeo, scheduled to speak on Sept. 6, is a former three-term U.S. congressman from Kansas' 4th District who ran two successful businesses in Kansas.

Lashing back, China lets yuan drop, halts U.S. farm purchases

(AP) — China decided Monday, August 5 to meet President Donald Trump's latest tariff threat with defiance, letting its currency drop to an 11-year low and halting purchases of U.S. farm products.

The moves, which came four days after Trump threatened more taxes on Chinese imports, knocked stock markets worldwide into a tailspin. On Wall

Street, the Dow Jones Industrial Average was down more than 850 points by mid-afternoon.

Earlier, stocks tumbled from Shanghai to London on fears the escalation in U.S.-China trade tension will drag down a global economy that is already weakening.

Raising worries that China will wield its currency as a weapon in a trade war, Beijing let the Chinese yuan weaken to the politically sensitive level of seven to the U.S. dollar for the first time since February 2008.

After financial markets closed Monday, the U.S. Treasury Department announced that it was labeling China a currency manipulator for the first time since 1994.

Also Monday, China's official Xinhua news agency reported that Chinese companies have stopped buying U.S. farm products — a direct shot at Trump supporters in rural America.

Together, the currency devaluation and suspension of farm purchases suggest

that China has decided to stand tough, rather than cave in Trump's threats.

"The Chinese side won't submit to the U.S.," tweeted Hu Xijin, editor-in-chief of China's hardline Global Times newspaper.

The weaker yuan makes Chinese exports less expensive in foreign markets. It also helps offset the impact of U.S. tariffs on Chinese products.

The Chinese currency hit 7.0391 to the dollar by late afternoon, making one yuan worth 14.2 cents. The level of seven to the dollar has no economic significance but carries significant symbolic weight.

"The thought of a currency war is crossing more than a few traders' minds," Stephen Innes of VM Markets said in a report.

Trump promptly took to Twitter to denounce the move as "currency manipulation." He added, "This is a major violation which will greatly weaken China over time."

China's central bank blamed the yuan's drop on "trade protectionism" — an apparent reference to

Trump's threat to impose tariffs Sept. 1 on the \$300 billion in Chinese imports to the United States in addition to the \$250 billion he's already targeted.

The U.S. and China are engaged in a bitter dispute over allegations that Beijing steals trade secrets and pressures foreign companies to hand over technology as part of an aggressive campaign to make Chinese companies world leaders in advanced technologies such as artificial intelligence and quantum computing.

The weakness of the yuan, also known as the renminbi, or "people's money," is among U.S. grievances against Beijing. American officials complain that a weak yuan gives Chinese exporters an unfair price edge in foreign markets and helps swell the massive U.S. trade deficit with China.

The U.S. Treasury Department declined in May to label China a currency manipulator but urged Beijing to take steps "to avoid a persistently weak currency" and warned that it

• Cont. on page 3

Farm Bill meetings planned in August, September

With every new farm bill come new decisions for farmers to make that can have lasting implications for their businesses. The most recent legislation is no exception.

To help agricultural producers determine the best course of action, Kansas State University's Department of Agricultural Economics will host ten Farm Bill meetings around the state, starting in late August.

The meetings will cover commodity programs, including the economics of the Agriculture Risk Coverage/Price Loss Coverage (ARC/PLC) programs, Supplemental Coverage Option and a new decision tool available for producers.

K-State Research and Extension agricultural economists, Extension agents, USDA Farm Service Agency and Natural Resources Conservation Service representatives will provide a big-picture perspective, as well as a more local view for each area.

Dates and locations include:

Mon., Aug. 26 — Hill City — 1-4:30 p.m. Central time — Graham County Fairgrounds

Tues., Aug. 27 — Goodland — 8:30 a.m.-noon Mountain time — Elks Lodge

Tues., Aug. 27 — Leoti — 2:30-6 p.m. Central time — Wichita County Fairgrounds

Wed., Aug. 28 — Plains — 10:00 a.m.-3 p.m. Central time — Plains Community Building

Thurs., Aug. 29 — Great Bend — 8:30 a.m.-noon Central time — Great Bend Events Center

Fri., Aug. 30 — Wichita — 8:30 a.m.-noon Central time — Sedgwick County Extension Office

Tues., Sept. 3 — Parsons — 1-4:30 p.m. Central time — SE Area Research and Extension Center

Wed., Sept. 4 — Ottawa — 8:30 a.m.-noon Central time — Franklin County Fairgrounds

Thurs., Sept. 5 — Seneca — 1-4:30 p.m. Central time — Nemaha County Community Center

Tues., Sept. 10 — Concordia — 1-4:30 p.m. Central time — Cloud County Fairgrounds

More information and registration is available online or by contacting Rich Llewellyn at 785-532-1594 or rvl@ksu.edu.

By Jackie Mundt, Pratt County farmer and rancher

If you turn on the news, you will find one story after another about murder, drugs, theft and other crimes. These incidents are not only happening in big cities; rural areas and small towns are dealing with an increasing amount of crime.

Our young professional group recently toured the offices of our police, sheriff and county jail. The visit was eye opening because I have almost no interaction with law enforcement. An important takeaway was the officers' request for our participation in public safety and community vigilance. Law enforcement officials often rely on community informants and private security footage to capture criminals.

There is a lot of truth to the saying nothing goes unnoticed in a small town. If crime or anything else is happening in your neighborhood, someone knows about it, and they will probably tell you about it. Unless they don't know you.

Growing up in a very small community, I knew almost everyone in the whole town. In

adulthood, that has not been the case. My education and career took me from coast to coast through several big cities over the course of a decade. During that time, I can count on one hand the number of neighbors I met.

Honestly, I avoided them. I was busy, tired from work, had enough people in my life, I felt safer not knowing them and any other excuse that came to mind. None of my neighbors ever knocked on my door either. We were all content in our isolated lives.

This seems to be a trend even in small communities. How many people actually take the time to welcome new neighbors or go door-to-door to meet people if they are new to the neighborhood?

The technology and culture of our connected world have negated the need to interact with others because of their proximity. The unintended consequence of this is our neighborhoods are now filled with strangers who have no loyalty or reason to care.

The problems this causes are deeper than just an occasional awkward interaction. Not knowing our neighbors is

eroding communities.

A podcast on the subject, featuring a crime prevention specialist Stephanie Mann, made me realize this unwillingness to meet neighbors is part of the reason crime is seeping into our neighborhoods.

Mann says fixing community's problems begins by the small step of meeting your neighbors. Simply knock on their door, ask what concerns they have about the neighborhood and if they are willing to help.

She highlighted multiple examples of this simple step working to bring neighbors together to stop vandalism by supporting the family of troubled teens. Another community documented license plate numbers for visitors to a known drug house while getting the mail and walking their dogs.

Crime is not inevitable. Each one of us has the ability to help protect our family, friends and neighbors. Going outside our comfort zone to get to know our neighbors can create relationships and shared commitment to the goal of a achieving a safe and healthy community.

"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.



The news this past week has been grim. There is no way to sugar-coat it and to say otherwise would simply be a glib response. I don't usually tackle topics like this, but it is what has been on my mind and I write from the heart. This is simply how I feel; I am not asking you to agree or disagree with me, but I do think we need to sit down and have a conversation about society and where we are headed.

Are things worse than they ever have been? That is a good question and one I don't have an answer for. I don't know if things are worse than they ever have been, but I do know we hear about it sooner and in greater detail than we ever have before. Technology such as the internet and our smart phones bring us news faster than we have ever gotten it. Many times, I worry it puts ideas in the heads of sick and evil individuals, but I really have no proof of that. I would also guess that they would do bad things regardless, but why give them a how-to video?

When bad things happen, it is the natural response of many to ask for new laws to be made. I can tell you without a doubt that from many years as an Extension agent that more rules are not the answer. I know this is an over-simplified example but when we had individuals break rules at the fair often, we imposed new rules. Those new rules never really had the results we had intended and often only tripped up honest people who were not aware of them. Those bent on breaking rules would find new and more creative ways around them. I am not sure what the answer is to the ills of society, but I am pretty sure it is not new laws.

I am sure that since the beginning of time there has been a discussion about the erosion of society and if you believe in Adam and Eve that is probably true. However, I am also quite sure that I have witnessed an erosion of civility and morality in our great nation. We have probably all seen the children's sermon about squeezing the toothpaste out of a tube and equating that back to one's actions and not being able to take them back just like you can't put the toothpaste back in the tube. Often, I wonder if that is where we are at today.

We are told that you are the most important thing in your universe, make sure you get what you are entitled to and advocate for yourself. Notice I said entitled to. Yes, we have lost the idea of going without or working hard to achieve something and truly believe we are entitled to what we think makes us happy no matter what. To make matters worse society tells us to use whatever means it takes to achieve material happiness.

We have taken worship out of the Sabbath; Sunday is no longer a day of rest and reflection. We eschew common courtesy as outdated and old-fashioned. Civility is no longer part of debate and debate means shouting the other person down or demeaning them. Too many believe that I am right, if you disagree with me, you are wrong and there is no room for compromise. Compromise is the relief valve that lets pressure off before it builds up the point of explosion and that is one thing we are missing. The good of society is lost on those who believe in "me first."

I don't mean to be gloom and doom, rather I am asking each of us to do our part in making things better. Amid hearing all the bad things, there are still many more good things about the time we live in and the location of where we live. We need to make sure we take care of each other, that we model how to be a contributing member of society.

I truly believe there are more good people out there and that if we make our voices heard we can still control the direction society moves in, but we need to do that quickly. It starts right in our own homes and communities and I am not pointing a finger as much as I am reminding myself. We are in control of the society around us, maybe not the whole great big world but we do have a sphere of influence.

I am not sure where we are headed, and I am concerned. Each day I count my blessings that I was born where I am, get to do what I do each day and try to appreciate the life the Good Lord has given to me. I do know that we are being challenged and what we believe in is at stake; it is up to each of us to make the difference.



When this issue of *Grass & Grain* lands in your mailbox, County Fair season will be drawing to a close. I wanted to take a minute to let you know about the different way we will be publishing county fair pictures this year. But first, a little back story. When I first became editor here, my predecessor, Beth Gaines, did her best to show me the ropes in the brief window of time available to us. As she explained printing the champions and reserve champions from the county fairs, she told me she generally ran the photos up until the State Fair, and then stopped. I – wet behind the ears as I was – clearly underestimated the number of photos we would receive, and did not run them nearly fast enough. But, when the State Fair came around, I stopped running them anyway, despite having a fairly large stash of them that had not yet been printed. A few weeks later, I got a phone call from a

very disappointed mother, whose concern was not just for her own kids whose photos hadn't been printed, but for all the ones that had gotten left out. When I hung up from that phone call, I vowed to myself that from then on, I would run every photo, even if it took me until Christmas. And a couple of times, it nearly did. That mom helped me understand how important it was to recognize the achievements that some of those kids spent their entire 4-H career working towards. I'm not sure why that had to be explained to me, because we'd been a 4-H family and my own son was a senior in high school before he had his first grand champion animal. I guess sometimes I'm just a little slow on the uptake. More likely, it's because I have a very bad habit of compartmentalizing my knowledge and experience and not always applying it where it needs to be. I'm working on that.

Now, back to this year. Rather than scattering the black and white photos throughout the paper, taking several weeks for each fair as we've done in the past, we are going to dedicate pages to each fair and run the photos in color. Businesses are given the opportunity to sponsor the pages if they would like, but regardless of sponsors, the photos will all still be printed. So far the response from advertisers has been very positive and generous, which we greatly appreciate. Last week Ottawa County got us started, and this week, the Tri-County and Geary County fairs are featured. Because of the large number of fairs we cover, it might still take me several months to get them all run, just hopefully not until Christmas. But if it does, so be it. Maybe seeing the accomplishments of area youth will be a nice little respite as the winter winds blow cold.

One more thing, if you have a chance to say thank you to any of the advertisers that helped us bring you these pages, I'm sure they would really appreciate it. Local businesses are always asked to support so many things in the communities they serve, and every dollar they invest needs to be acknowledged. I would also encourage you to keep that in mind when making spending decisions. We have to support the local businesses that are always supporting us.

Anyway, I hope you enjoy each and every county fair we feature, and celebrate with us the accomplishments of all these kids, as well as the dedicated adults that help them get there.



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China lashes back

would be watching closely.

China's central bank sets the exchange rate each morning and allows the yuan to fluctuate by 2% against the dollar during the day. The central bank can buy or sell currency – or order commercial banks to do so – to dampen price movements.

It appears “the currency is now also considered part of the arsenal to be drawn upon,” Robert Carnell of ING said in a report. He said the move might be part of “a concerted series of steps aimed at pushing back at the latest U.S. tariffs.”

Until now, economists had expected the People's Bank of China, the Chinese central bank, to intervene and put a floor under the currency if it threatened to breach the seven-to-the-dollar level.

A central bank statement blamed “unilateralism and trade protectionism measures,” a reference to Trump's tariff hikes. But it tried to play down the significance of “breaking seven.”

“It is normal to rise and fall,” the statement said. It promised to “maintain stable operation of the foreign

exchange market.”

Chinese leaders have promised to avoid “competitive devaluation” to boost exports by making them less expensive abroad – a pledge the central bank governor, Yi Gang, affirmed in March. But regulators are trying to make the state-controlled exchange rate more responsive to market forces, which are pulling the yuan lower, partly on fears Trump's tariffs will weaken the Chinese economy.

The yuan has lost 5% since February.

Globally, a weaker yuan might lead to more volatility in currency markets and pressure for the dollar to strengthen, Louis Kuijs of Oxford Economics said in a report. That would be “unwelcome in Washington,” where Trump has threatened to weaken the dollar to boost exports.

A weaker dollar “would be bad news” for Europe and Japan, hurting demand for their exports at a time of cooling economic growth, Kuijs said.

The Chinese central bank tried to discourage speculation last August by imposing a requirement

that traders post deposits for contracts to buy or sell yuan. That allows trading to continue but raises the cost.

Beijing imposed similar controls in October 2015 after a change in the exchange rate mechanism prompted markets to bet the yuan would fall. The currency temporarily steadied but fell the following year.

The Chinese are well aware of the pain the trade war is causing American farmers, a loyal part of Trump's political base. Their retaliatory tariffs on \$110 billion in U.S. products targeted soybeans and other key agricultural products. To ease the pain in rural America, Trump has rolled out two packages of farm aid worth a combined \$27 billion.

Monday's Xinhua report said that Beijing would “not rule out the possibility of levying additional tariffs” on U.S. farm imports. Xinhua said Trump's plan to tax another \$300 billion in Chinese imports “seriously violated” a cease-fire agreed to in June by Trump and Chinese President Xi Jinping.

U.S. senators introduce Define WOTUS Act

Two Republican senators have introduced the Define WOTUS Act, which would codify a definition of “Waters of the United States” and reasserts Congressional responsibility to define this important term. The bill was introduced by U.S. Sens. Mike Braun (R-Ind.) and Joni Ernst (R-Iowa).

“President Trump and his administration have taken tremendous steps to roll back this over-reaching regulation and provide for more certainty with a new, clearer definition

of WOTUS,” Ernst said in a statement. “But it's the job of Congress to make a new, reasonable definition permanent, and that's what this bill does — it ensures more predictability and workability for Iowans for years to come.”

The definition in the bill also makes substantial improvements over various administrative attempts to define the term by clearly outlining what is, and is not, a federally

regulated waterway.

Because Congress is not restricted by various rulemaking statutes, the Define WOTUS Act provides a clearer definition with more obvious safeguards to protect against a “runaway bureaucracy,” Ernst's statement added.



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Millie Conger, Tecumseh:

PEACH PECAN CRISP

1 cup flour
1/3 cup sugar
1/2 cup brown sugar
1/2 teaspoon cinnamon
1/8 teaspoon nutmeg
1/4 teaspoon salt
1 stick butter, cut into pieces
1 cup chopped pecans
7-8 peaches, peeled & sliced
Juice of 1/2 lemon

Set oven 375 degrees. Mix flour, sugars, cinnamon, nutmeg and salt using a fork. Add the butter and mix and mush it into the flour with the fork. Stir in the pecans. Combine the peaches and lemon juice in a large bowl. Pour the peach mixture into 1 1/2-quart baking dish and cover evenly with the crumb topping. Bake until

crisp and browned on top, 35-40 minutes. Serve with ice cream.

Nancy Rhodes, Abilene:
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16 ounces angel hair pasta
1 tablespoon butter
1 tablespoon olive oil
3 mashed garlic cloves

Cook pasta according to package directions. Warm butter, olive oil and garlic cloves in a skillet over medium-low heat, just until fragrant. Remove garlic with a slotted spoon. Add pasta and cook tossing until evenly coated and warmed through, about 1 minute. Season with salt, black pepper and Parmesan cheese. Serve as a main dish or side dish.

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Rose Edwards, Stillwater, Oklahoma:

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SLAW**

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1 tablespoon orange zest
2 tablespoons orange juice
2 tablespoons vinegar
1 tablespoon honey
1 teaspoon salt
1/2 teaspoon pepper
12-ounce bag broccoli slaw
2 cups small fresh broccoli
florets
2 cups matchstick carrots
1 cup dried cranberries
1/2 cup thinly sliced onion
1/2 cup chopped pecans
4 slices bacon, cooked &
chopped

In a large bowl whisk mayonnaise, orange juice, zest, vinegar, honey, salt and pepper until well-combined. Stir in everything but the bacon until well-coated. Chill for a while. Top with bacon right before serving.

Lucille Wohler, Clay Center: "An old recipe. Easy to make"

**HAMBURGER
CASSEROLE**

1 1/2 to 2 pounds ground beef
1 large onion, diced
1 sweet pepper, diced
10.5-ounce can cream of chicken soup
10.5-ounce can cream of mushroom soup
15-ounce can corn, drained
3 cups cooked noodles (5-ounce package)
1 cup sour cream
1 small jar pimiento pepper (optional)

Brown ground beef, onion and sweet pepper; drain. Add cream of chicken, cream of mushroom, corn

noodles, sour cream and pimientos if using. Put in a baking dish and bake at 350 degrees or until it bubbles.

Linda Kepka, Dorrance:
SIX-LAYER DINNER

2 cups diced potatoes
1 cup diced carrots
1/2 cup uncooked rice
1 pound hamburger
Salt
Pepper
Onion powder
10-ounce can tomato soup
2 cups water

Spread layers of vegetables, rice and hamburger (browned and seasoned with salt, pepper and onion powder) in a 9-by-12-inch baking dish. Pour mixture of soup and water over the layers. Cover with foil and bake at 350 degrees for 90 minutes.

Kimberly Edwards,
Stillwater, Oklahoma:
"This is great on meat, etc."
TOMATO AVOCADO
SALSA

SALSA

3 cups halved cherry tomatoes
1 avocado, peeled, pitted & diced
1 mango, peeled, pitted & diced
1/2 cup chopped fresh cilantro
1/4 cup chopped red onion
3 cloves garlic, minced
2 tablespoons lime juice
1 jalapeno pepper, seeded & minced
1 teaspoon salt

Stir together lime juice and salt. Mix all other ingredients together. Add the juice and salt. Chill covered with plastic wrap about 30 minutes.

Lydia Miller, Westphalia:

PINEAPPLE SALSA

20-ounce can pineapple tidbits

1/2 cup red bell peppers, finely chopped

1/4 cup green bell peppers, finely chopped

1 tablespoon chopped green onion

2 teaspoons fresh cilantro, chopped

2 teaspoons chopped jalapeno, optional

1 teaspoon grated lime peel

Drain pineapple; reserve 1/4 cup juice. Mix pineapple, juice, peppers, onion, cilantro, jalapeno and lime peel in bowl. Stir to combine. Season with salt and pepper to taste if desired. Set aside until ready to serve or chill & serve.

Kellee George, Shawnee:
TACO PIZZA SQUARES
 13.8-ounce refrigerated pizza crust
 8-ounce can pizza sauce
 1 pound hamburger, cooked & drained (seasoned with taco seasoning)
 Taco seasoning
 2 medium tomatoes, seeded & chopped
 2 cups shredded mozzarella cheese
 Shredded lettuce
 Sour cream

Unroll pizza dough and place in a 15-by-10-by-1-inch baking pan. Spread with pizza sauce and sprinkle with the taco meat, tomatoes and cheese. Bake at 400 degrees until crust is golden brown, 15-20 minutes. Top with shredded lettuce and sour cream.

Seven Steps To Safe Summer Food

**By Nancy C. Nelson,
Meadowlark Extension District, Family Life**

Did you know that foodborne illness peaks during the summer months? Keeping food safe is a challenge. Follow these suggestions to Fight BAC!® (foodborne bacteria) and reduce the risk of foodborne illness.

Wash your hands with warm water and soap for at least 20 seconds before and after handling food. Sing Row, Row, Row Your Boat twice to get a sense of how long you should wash.

Marinate food in the refrigerator. Don't use sauce that was used to marinate raw meat or poultry on cooked food. Reserve a portion of the unused marinade to use as a sauce.

When grilling foods, preheat the coals on your grill for 20 to 30 minutes, or until the coals are lightly coated with ash.

Use a food thermometer to ensure that food reaches a safe internal temperature.

Hamburgers should be cooked to 160 degrees, while large cuts of beef such as roasts and steaks may be cooked to 145 degrees for medium rare or to 160 degrees for medium. Poultry must reach a temperature of 165°F.

When taking foods off the grill, do not put cooked food items back on the same plate that held raw food, unless it has been washed with hot water and soap first. And, in hot weather (above 90 degrees) foods should never sit out for more than one hour before

A full cooler will maintain its cold temperatures longer than one that is partially filled so it is important to pack plenty of extra ice or freezer packs to ensure a constant cold temperature. Keep the cooler out of the direct sun. More food safety information is available at www.fda.gov/food/foodsafety.

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GLASSWARE & COLLECTIBLES: Pyrex measuring cups; dish sets; substantial collection of salt & peppers; metal children's lunch boxes; collector tins; cuckoo clocks—mostly German; Anniversary clocks; Duensenberg Car clock; cast iron corn bread pans; cast iron Dutch ovens; kerosene lamps; collector & adv. plates; ALL Brand advertising metal bucket; baseball cards; stainless steel flatware; silverplate flatware; cigar boxes; adv. thermometer; older stuffed toys, games & puzzles; A&W mugs; Cabbage Patch doll in box; quilts & tops; Fostoria. **EQUIP., TOOLS & MISC.:** Black & Decker vacuum; 4 whl. wagon; hand tools; yarn; fabric/material; hand-embroidery tea towels; lg. collection stuffed bears; **MANY BOXES LEFT TO UNPACK.**

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By Ron Wilson, Director of the Huck Boyd National Institute for Rural Development at Kansas State University
Shopping in the produce aisle can take time, if one stops to look and study all the fruits and vegetables on display. If only those fruits and vegetables could be packaged together – maybe even with a recipe to help my family use them. Today we’ll learn about an innovative program which is simplifying healthy food access, using a local food store and community support. Thanks to JoEllyn Argabright of K-State Research and Extension for this story idea.

Last week we learned about K-State Research and Extension’s Culture of Health initiative. Here is an example of a local initiative to support healthy eating.

Jerad Gooch is the owner of Leoti Foods in Leoti, Kansas. His family has deep roots in the grocery business. His grandfather Harold Gooch opened the store in Tribune in 1948. Harold’s son Dwight joined the business in 1972. Now the family owns three stores and Dwight’s three sons manage one each. Jerad has the store in Leoti.

In 2015, some people in Leoti started to participate in a produce basket purchasing program which utilized out-of-state goods. “I noticed these baskets coming into town and I wondered why we couldn’t do that with a local store,” Jerad said. That program ended after a few months, but Jerad met with people who were interested to see if his store could provide such produce baskets.

In early 2017, the group launched a program called Simply Produce. This program provides fruit and vegetable baskets to local customers through the Leoti Foods store.

Every three weeks, there is a sign-up period from Friday to Tuesday for people who want to get a produce basket. People order the basket and pre-pay, at the store or by phone.

On the following Friday morning, the produce is delivered to a distribution point at the fairgrounds. Volunteers then sort the produce into baskets, which customers can pick up at noon. Jerad also delivers baskets to the school and to the elderly.

Typically, the baskets would include 12 items: Six fruits and six vegetables. The baskets cost \$15 each. Since the baskets might include up to 22 pounds of produce, this is a terrific value. Purchased separately, those items might amount to twice that in cost, not to mention the time spent shopping.

“We’ve had customers say, ‘Wow, I get all that?’” Jerad said. “Some of our elderly ladies even share baskets.” The store is now offering an additional mini-basket option.

Another popular option is the add-on baskets for an additional charge. For example, Leoti Foods recently offered an optional grill pack which includes ears of corn, sweet peppers, potatoes, squash, onions, mushrooms and more. All of these products would be great when prepared on my grill.

This makes shopping simple, which means that the name Simply Produce is especially appropriate. “This produce is delivered in the morning and is in the consumer’s hands by noon,” Jerad said. “To get fresh produce in the hands of people that quickly in western Kansas is remarkable.”

“Everything about this has been great,” Jerad said. Now their store in Tribune is using the same model. “We’re averaging about 45



participants each time,” Jerad said.

“It’s not about the business, it’s what’s good for the community and about getting produce into people’s hands,” Jared said. He also noted the importance of volunteers in assembling the baskets.

Aimee Baker, the family and consumer sciences agent for K-State Research and Extension – Wichita County, is one of his key volunteers. “She’s been with us since day one,” Jerad said. “She even makes a recipe card each time which correlates with the produce in the basket.”

This is an innovative, collaborative approach to help people get healthy produce while benefiting the local economy. It’s great to find in a rural community like Leoti, population 1,534

people. Now, that’s rural.

Shopping for produce can take time. We commend Jared Gooch of Leoti Foods, Aimee Baker, and all those involved with Simply Produce for making a difference with this project to help people utilize fruits and vegetables while utilizing their local store. I think it’s high time.

Audio and text files of Kansas Profiles are available at <http://www.kansas-profile.com>. For more information about the Huck Boyd Institute, interested persons can visit <http://www.huckboydinstitute.org>



By Ashleigh Krispense

This is a fun play on the traditional chocolate chip cookie dough (which we had just the other night — Don’t worry, it’s still a favorite!) If you’re not a cream cheese fan, you might want to stick with regular cookie dough... But for the rest of you chocoholics out there, grab your graham cracker and get ready to dig in!

Chocolate Chip Cookie Dough Dip

8-ounce block cream cheese, softened
1/2 cup (1 stick) salted butter, softened
1/4 cup brown sugar
1/4 cup white sugar
1 teaspoon vanilla
1/2 cup chocolate chips (we prefer Hershey’s Dark)
Graham crackers or Scooby snacks



Get started by beating together the cream cheese and butter. You can use a mixer or just work up those arm muscles! Stir in the sugars and vanilla. Beat until almost smooth and fluffy.



Gently stir in the chocolate chips.



Chill and serve with little graham crackers. Enjoy!

Ashleigh is a freelance writer and blogger for her website, *Prairie Gal Cookin’* (www.prairiegal-cookin.com).

She shares everything from step-by-step recipes to local history, stories, and photography from out on the farm in Kansas. Follow PGC online or like it on Facebook for more recipes and ramblings!

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TRI-COUNTY FAIR 2019



Spencer Riffel of the Navarre Boosters 4-H Club collected numerous awards at the Tri-County Free Fair. He is pictured with the Supreme Overall Heifer. He also was the champion overall beef showman, and champion senior beef showman. He exhibited the champion market heifer, the champion all other breeds steer, the reserve champion crossbred steer, the champion percentage heifer and reserve champion percentage heifer.



Charlie Peters exhibited the grand champion market steer at the Tri-County Free Fair. A member of the South Cottonwood 4-H Club in Marion County, Peters' entry was a Maine-Anjou. He received the trophy plaque from Delaney Rapp, first attendant to the TCFF queen.

To Make the Best Better



Landon Roberts, Marion County, was the champion swine showman at the Tri-County Free Fair in Herington. He also exhibited the grand champion breeding gilt at the fair, a crossbred. He is pictured with judge Hadley Schotte.



Gavin Carson, left, and Hanne McDermott, had the top dairy cattle entries at the Tri-County Free Fair. They are pictured with judge Dale Davidson, center. Carson, a member of the White City Willing Workers in Morris County, exhibited the grand champion dairy animal, a Holstein cow. He also was the reserve champion in showmanship. McDermott, a member of the Tampa Triple T's in Marion County, was the champion dairy showman. She exhibited the reserve champion dairy animal, a Jersey heifer calf.



Chase Lillard exhibited the grand champion market hog at the Tri-County Free Fair. A member of the Willowdale 4-H Club in Dickinson County, his entry was a 220-pound crossbred. Pictured from left are: Lillard, Ruby Khoman, Abi Lillard and swine show judge Hadley Schotte.

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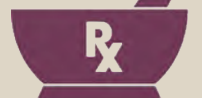
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TRI-COUNTY FAIR 2019



Cailey Barney, right, exhibited the grand champion market lamb at the Tri-County Free Fair. She entered a 125-pound speckle face lamb. Landon Roberts won reserve grand champion with a 108-pound crossbred. Both are residents of Marion County. In overall sheep showmanship, Barney claimed championship honors, while Roberts was reserve champion. Presenting the trophy plaque is judge Jeff Ebert of Wamego.



Carleigh Abeldt, left, and Brianna Hill exhibited the grand and reserve grand champion breeding ewes at the recent Tri-County Free Fair. Abeldt, a member of the Jolly Jayhawkers 4-H Club at Woodbine, won with this Hampshire ewe lamb. Hill won reserve grand champion with a Dorset yearling ewe. She is a member of the Navarre Boosters in Dickinson County. They are pictured with judge Jeff Ebert of Wamego.



Ashley Peters, right, and Olivia Crist, left, were top winners in the meat goat show at the Tri-County Free Fair. Peters, a Marion County 4-H'er, was the champion overall meat goat showman and also exhibited the grand champion meat goat, a 93-pound Boer. Crist, from Dickinson County, was the reserve champion meat goat showman and exhibited the reserve grand champion meat goat, a 91-pound Boer. They are pictured with judge Jeff Ebert.



Alice Hill, left, and Brianna Hill exhibited the champion and reserve champion dairy goats at Herington's Tri-County Free Fair. Both are members of the Navarre Boosters 4-H Club in Dickinson County. Judge Tara Varner, center, presented the ribbons and plaque.



**In 2018 there were
78,822 Kansas
students participating
in 4-H programs.**



These 4-H'ers were named the top dairy goat showmen at the Tri-County Free Fair. From left, they are: Hanne McDermott, Tampa Triple T's, judge Tara Varner, Brianna Hill, Navarre Boosters, and Delaney Rapp, TCFF first attendant to the queen.

Altogether, Marion, Dickinson and Morris Counties had 584 youth involved in the 4-H program in 2018.

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K-State researchers to track water movement in plant stems

A team of Kansas State University researchers has been given the green light to explore how water moves through plant stems, an idea that could greatly improve the efficiency of its use in growing farm crops.

They have received \$300,000 from the National Science Foundation for a two-year project that will build a tool to measure sap flow — or the movement of a liquid through plant stems.

“In this case, we are talking about water,” said Krishna Jagadish, associate professor of agronomy. “In a plant, roots take up water, which then needs to go to the leaves to participate in photosynthesis. The stems are the main road, or the highway. We are measuring the traffic of water on the highway.”

All plants, including farm crops, have different stages of growth, each potentially requiring different amounts of water. The K-State researchers hope to uncover how much water is moving through plant stems during various growth stages, and different times of the day, which should give a clearer picture of how much and when water needs to be provided through irrigation or other means.

“The core idea behind

this project is that water matters, no matter if you live in Kansas, Texas, New York or anywhere else,” said K-State hydrogeologist Behzad Ghanbarian. “Given that the world’s population is increasing everywhere, we need to practice agriculture in a way that we make sure we will have water in the following decades for our kids and grandkids.”

Mohammad Shadmand, an assistant professor in electrical engineering, is working with the group to build a tool that utilizes nuclear magnetic resonance (NMR), a concept that comes from physics.

“It’s a non-invasive, physical tool,” Shadmand said. “We will use four magnets surrounding the plant stem to provide an external magnetic field around the stem, which allows us to detect how fast water is moving through it.”

The NMR tool never touches the plant, and would be capable of measuring sap flow in the plant at different times of the day. Past studies have tracked sap flow at a given point by physically cutting or inserting probes into the stem.

“When you go to the gym to workout, you breathe faster,” Ghanbarian said. “Breathing is a dynamic reaction in our body. That’s what happens



A team of K-State researchers are building a tool to measure sap flow — or the movement of water — in plant stems. Pictured, left to right, are Krishna Jagadish, Behzad Ghanbarian, Gerard Kluitenberg and Mohammad Shadmand.

to plants. They don’t continuously ‘breathe’ or use water at the same rate. In the morning, the amount of water being used, or the flow rate in the stem, would be different than in the afternoon or at night. It’s important for us to understand how much water is being used at different times.”

Jagadish noted that the project is funded through an NSF program known as EARly-concept Grants for Exploratory Research, or EAGER. The program is intended to encourage high-risk and high-benefit ideas for transformative research. He said that sap flow has never been measured non-invasively in

the United States using nuclear magnetic resonance.

“At this time we really don’t know how it will work,” Jagadish said, adding that the tool could be commercialized if the researchers’ work is successful. “This is a tool to guide us in the direction to help farmers. There may be intermediary people — engineers or modelers or others — who will actually use the tool. In time, we can possibly quantify the amount of water that we are currently allocating and determine if that is efficient or not.”

Gerard Kluitenberg, K-State professor of agronomy in soil and environmental

physics, is testing the NMR tool in laboratory settings. The researchers will then conduct field tests with sunflowers, and eventually will include other farm crops.

“We really don’t know how much water plants require for any specific environment,”

Jagadish said. “If you put too much, you are wasting water; if you do not irrigate enough, you lose yield. In the long term, this tool will help farmers optimize production practices, or increase crop per drop. To make that into reality, you need tools like this.”

Agricultural research center in Hays hosts Fall Field Day on August 21

Kansas State University’s Agricultural Research Center in Hays will provide updated management strategies for numerous Kansas crops when it hosts the annual fall field day on Wednesday, August 21.

There is no cost to attend the event, which takes place from 8:30 a.m. to 2 p.m. Lunch will be provided. The research center is located at 1232 240th Avenue in Hays.

The schedule includes a series of field tours beginning at 9 a.m., including:

- Pearl millet hybrid performance
- Grain sorghum hybrid performance
- Occasional tillage in wheat-sorghum-fallow rotations
- Integrated weed management in soybeans
- Pre- and post-herbicide options for weed management in grain sorghum
- Imidazolinone-tolerant grain sorghum: A new technology for weed control.

The afternoon includes a look at insect management in soybeans; and a presentation on alternative crops for western Kansas, including field peas and industrial hemp.

Organizers say that pesticide applicators and certified crop consultants can earn up to four hours of continuing education credits by attending this year’s field day.

Interested persons are encouraged to pre-register by calling 785-625-3425. More information, including a list of speakers for this year’s field day, is available online at www.hays.k-state.edu.

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Mineral Rights: Minerals Retained by the Seller until termination of current producing oil and gas leases.

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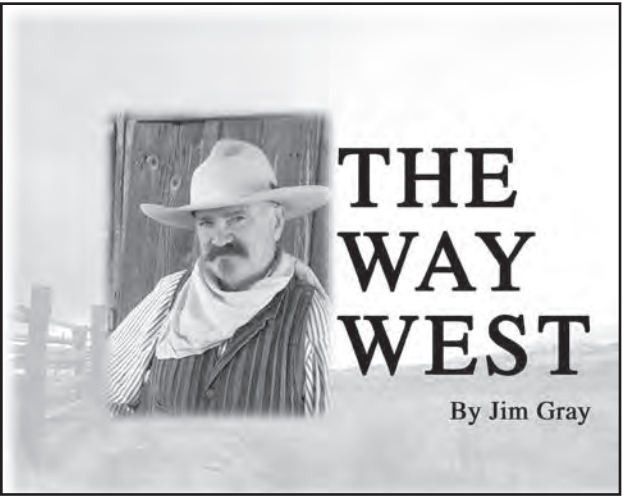
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Interrupted Rails

We are told that driving the golden spike at Promontory Summit, Utah, marked the completion of the first Transcontinental Railroad. The location is now the Golden Spike National Historic Park. Thousands of railroad enthusiasts joined in a 150th anniversary celebration the weekend of May 10, 2019.

In 1869 the Central Pacific built track from the west coast while the Union Pacific completed the track from the Missouri River. The meeting of the Central Pacific's Jupiter engine and Union Pacific's No. 119 engine included a crowd of dignitaries and rail workers. Today it is recognized as the first big American media event.

Unfortunately, the joining of the two railroads with that iconic golden spike did not produce a transcontinental railroad with uninterrupted rails extending from sea to shining sea. The Missouri River was yet to be bridged. Passengers had to leave the train on either side of the river, take a stage to river's edge, and cross the river by ferry. A waiting stage then delivered them to the railroad station on the other side. Freight was transferred by wagon and ferry in a similar manner.

Meantime, the Pacific Railroad, (Missouri Pacific) had connected across the state of Missouri from St. Louis to

Kansas City in 1865. It was not the first to cross the state. The Hannibal and St. Joseph Railroad had reached St. Joseph, Missouri, 1859. The frontier railroad delivered the first letter for the inaugural ride of the Pony Express in 1860. But, like the later Union Pacific, all traffic that headed west had to be ferried across the river. The very first railroad in Kansas, the Elwood and Marysville Railroad, began construction March 20, 1860. On April 23, 1860, the pioneer steam engine "Albany" rolled into Wathena over five miles of completed track to capture the honor of being the first iron horse west of the Missouri River.

Early achievement did not guarantee lasting success. The Elwood and Marysville languished while others forwarded their own ventures. In May of 1863, Samuel Hallett and "The Pathfinder" John C. Fremont purchased controlling stock in the Leavenworth, Pawnee and Western Railroad. Incorporated in 1855, the company surveyed its right-of-way from Leavenworth to Fort Riley by 1862, but had not commenced construction at the time of the Hallett-Fremont purchase. The new railroad acquisition was renamed Union Pacific Railway Company, Eastern Division.

Headquarters offices for the new company were moved from Leavenworth to Wyan-

dote, Kansas, where construction began three-quarters of a mile west of the Missouri River on September 7, 1864. A crew began clearing trees and building the grade for the tracks just above the mouth of the Kansas River on its north bank.

There were setbacks. Fremont was ousted from the company. Hallett was shot to death by a disgruntled worker. The company stumbled until new leadership gained control of the company. Lawrence was finally reached on November 26, 1865. The delay caused the company to change from its original plan to build into Nebraska. Instead they determined to build along the entire length of the Smoky Hill River into the desolate high plains of eastern Colorado. Denver was the new destination and wild Kansas history was about to be made.

Junction City, Ellsworth, Hays City, as well as several lesser known locations took turns as hell on wheels end-of-track towns through 1866 and 1867. Meanwhile, the Hannibal and St. Joseph Railroad built a cutoff from Camron, Missouri, to Kansas City. Not to be denied the company began construction of the "Hannibal Bridge" over the Missouri River in 1867. When completed the bridge would join the Missouri railroad with the Union Pacific, Eastern Division to deliver an uninterrupted line of rail traffic from Missouri into Kansas.

At Sheridan, Kansas, the Union Pacific Eastern Division ran out of money in 1868. The company languished until it was reorganized. Under Congressional approval the Kansas Pacific Railway Company renewed the quest. Construction did not resume until the fall of 1869.

On the eastern end of the track the Hannibal Bridge over the Missouri River was completed and opened for business on July 3, 1869. At Denver another rail line was completed

to Cheyenne, Wyoming, connecting the city to the mainline of the Union Pacific on June 24, 1870. To speed up construction on the Kansas Pacific a crew began building east out of Denver.

At 3 p.m. on August 15, 1870, at a place called Camanche Crossing, the last spike was driven to connect the Kansas Pacific from the Missouri River to Denver, Colorado. But more than that, because of the Denver-Cheyenne connection and the Hannibal Bridge, the connection 149 years ago near present-day Strasburg, Colorado, represented the completion of "the first truly coast to coast railroad." Consequently, you haven't missed it! There's still plenty of time to plan for next year's 150th anniversary of the completion of America's transcontinental railroad where it really happened at Strasburg, Colorado on The Way West.

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

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Farm production expenditures down

Farm and ranch production expenditures for Kansas totaled \$17.3 billion in 2018, down 7 percent from a year earlier, according to USDA's National Agricultural Statistics Service. Livestock expenses, the largest expenditure category, at \$6.38 billion, decreased 3 percent from 2017. Feed, the next largest expense category, at \$2.30 billion, decreased 12 percent from 2017. Rent, the third largest total expense category at \$1.32 billion, decreased 3 percent from 2017.

Livestock expenses accounted for 37 percent of Kansas's total production expenditures. Feed accounted for 13, rent 8, and farm services 8 percent.

The total expenditures per farm or ranch in Kansas averaged \$293,039 in 2018, down

8 percent from 2017. The livestock expense category was the leading expenditure, at \$108,319 per operation, 4.73 times the national average. Feed expenditures, at \$39,049 per operation, were \$12,427 above the national average. Fertilizer and soil conditioners, at \$16,469, were \$4,989 above the national average. The average rent expenditure, at \$22,411, was \$8,160 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 2018 farm and ranch expenses.

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I started my career in newspaper when I was 15 years old (we won't mention which century). Lois Lane was my idol.

Growing up watching women on television, I wanted to do what she did. While most television women were housewives, she had an exciting life with her own apartment, a really cool car, and stood toe-to-toe with her editor. She was pretty in her heels and hats and professional suits. She was curious; she could "smell" a story.

So can I. It is one of those intangibles that one simply has – or hasn't.

I think my first word was "why." And then came "how." Then

High consumer expectations, low levels of appreciation make it tough to be a farmer, new research finds

Add conflicting consumer expectations to the list of reasons farming is a tough row to hoe. In its new global study, Cargill found consumers had a hard-to-satisfy wish list for those who put food on our tables—with most claiming to feel knowledgeable about how our food is raised. Farmers should care most about "providing safe, healthy, abundant and affordable food," said a majority of survey takers. Yet those same respondents would prefer their food come from smaller/specialty, local or organic farms—which can't necessarily compete on cost.

"Farmers are foundational to feeding the world in a safe, responsible and sustainable

way," says Pilar Cruz, president of Cargill's feed and nutrition business. "But they do so under pressure. On one hand, affordable food is central to many families' budgets. On the other, people are questioning the farming approaches that have made food more available and affordable. Cargill sees all viewpoints because we partner with farmers, food companies, and beyond. So, we work to raise awareness and foster understanding across the value chain. Chairing the U.S. Global Leadership Coalition's Heartland Tour, a partnership aimed at showcasing and advancing ways for local farming to contribute to global progress, is one example."

"what." Then "who." And, of course, "when," and that is where the historian role comes in. The historian asks all the same questions as the reporter; it's just a different when.

When I was a teenager, I wrote the high school news for the local paper in Stuart, Virginia. My big break was when the daily in Martinsville came calling and asked for a full page article on moonshining in Patrick County. It was my first full-page feature and I interviewed my Grandpa, his cousin, and a couple of neighbors who lived back in the woods so far that we drove through a creek to get there. They had a pet groundhog – it must have weighed 25 or 30 pounds – guarding the door. Grandpa went with me and as the old friends talked old times, I went through boxes of family pictures made at the still.

Later, I covered court, many murder trials. The drama of a courtroom cannot be matched by television or films, though it does move much more slowly. I sat in the courtroom when a man was sentenced to death.

I went on to radio, then television. I am drawn to each one for different reasons, but newspaper will always be my first love.

As an historian, there is nothing more exciting than perusing old newspapers. They may not be the most accurate source, but they reflect an immediacy of the time and what people believed and their concerns and trials. There are the juicy little sidebars (like the python that escaped from a menagerie in Ohio in the 1860s and terrorized a neighborhood). I have sat in the Library of

In its latest Feed4Thought survey, Cargill found half the people surveyed in the U.S., China, Mexico and Spain saw a farmer, primarily, as a "person who feeds the world." Just a quarter chose "steward of the earth's natural resources"—perhaps reflecting that one-third of contributors doubted the long-term sustainability of today's agriculture. They want farmers to be sustainable though: "Sustainable" was the word that best described what participants wanted a farmer to be. Efficient was second.

"Farmers are trying to feed the world and protect the earth's resources and provide for their families," says Heather Tansey, sustainability



Farmers should care most about "providing safe, healthy, abundant and affordable food," said a majority of survey takers. Yet those same respondents would prefer their food come from smaller/specialty, local or organic farms—which can't necessarily compete on cost.

lead for Cargill's protein and animal nutrition businesses. "These are not mutually exclusive. Farmers around the world are adopting conservation practices to nourish people, the planet and the health of their businesses. Initiatives like BeefUp Sustainability™, aimed at reducing greenhouse gas emissions in partnership with farmers, ranchers and other innovators; farmer prosperity training, which nurtures sustainable practices and incomes for smallholder farmers; and Techstars Farm to Fork Accelerator, a partnership to solve big nutrition challenges with technology, can help."

Three-quarters of Feed4Thought respondents thought technologically advanced farming was a good thing. But that's not exactly how they see farmers today. "Technologically savvy" was one of the terms least associated with farmers. Contrast this with the approach of long-term Cargill customer, Coldstream Farms in Washington state, U.S., a dairy operation where

Congress and gone through the bound papers and searched them on microfilm, and I have sat in the local history rooms of libraries turning crumbling pages.

With newspapers.com, perusing old papers has become easier and downright addictive. Lately, I have been further researching the life of Dolly Curtis Gann, little sister to Vice President Charles Curtis. I am speaking on her life at the Kaw Mission, Council Grove, at 2 p.m. on Sunday, August 25.

Charles Curtis and his family have been a favorite topic of mine since I moved to Topeka twenty-plus years ago and Sarah McNeive toured me around Topeka Cemetery, Curtis's final resting place. The story of the little boy growing up in two different worlds grabbed my heart and awakened my curiosity. Newspapers are invaluable in the research – the campaign photos, the political cartoons, the vivid descriptions of rallies and soirees, interviews, and editorials. They offer glimpses into into the lives of the Curtises themselves and insight into their times, into regional differences and national obsessions.

It seems funny to think of now, that four-year-old in front of a black and white TV screen dreaming of a career in newspaper, and newspapers are still such an important part of my life.

Deb Goodrich is the host of the Around Kansas TV show, the Garvey Historian in Residence at the Fort Wallace Museum, and the Chair of the 200th anniversary of the Santa Fe Trail in 2021. Contact her at author.debgoodrich@gmail.com.

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COLLECTIBLES

Stanhope letter opener; (2) Flap-bisue 6" dolls; Griswold kettle; 8" cast iron skillet; Griswold 4", 6" & 8" iron skillets & other skillets; Wagner Dutch oven; cast iron Still banks; Humpty Dumpty, mail box, Sailor man, Olive Oyl & cat; Waterbury key wind mantle clock; cook books; "Redlin" prints, Winter Wonderland, Almost Home & Night On The Town;

"Redlin" sculptures, Autumn Home, Jimmy's Road and Lake Side Produce & Bountiful Harvest Wagon; Saga, Scandinavia fur; 24" stick dresser lamps w/leopard spot silk paneled shades; oak ice cream table w/4-chairs; doll size ice cream table & chairs; 1920's 16" fancy paneled metal dresser lamp; (2) Amish Style wagons, covered wagon & shucking box wagon, both w/Breyer 2-horse teams; wooden wagon & sled; Miller Reserve modern wooden beer box; metal triple-decker food carrier; bear iron door stop; wash board; pocket knives; misc marbles; 12" Blue Band crock bowl; Dempster mini windmill; small food grinder; rag rugs; American Golden Heritage 12-pl flatware; Lifetime gold plate 8-pl flatware; Lyria 12-pl flatware; Harmony House Oneida Community 12-pl flatware; shadow box; Italy ornate plated service pieces; ornate wooden 4-leg center table; metal wheel rabbit décor wicker buggy; 30" doll; Budweiser stein "Fox Family Den"; Easter & Santa figurines; costume jewelry; A & W mugs; apple mini tea set; Campbell Soup small items; (4) Gorham clown plates; Mirana glass clown; clown music boxes; (5) Butcher clown figurines; Precious Moments clowns; Steiff Club teddy bear; Danbury Mint 12" Kewpie porcelain doll; (7) rubber Kewpie dolls; 95 U of N Champions 1586 IH tractor & 97 Champions Case IH 2166 axial flow combine; JD SST 18 toy lawn mower; 1/25th 1948 toy pickup; Gear Box Ford model T 1912 delivery car; L A Coates, Beatrice, NE miniature well pump; Ertl 1940 Ford pickup (TSC) & other pickups; Mergo plastic gasoline toy pump; Ertl JD tandem axle flatbed toy trailer; JD GP Ertl tractor; JD 4-wheel plastic wagon; JD 2440 Ertl tractor & Many More Small Items.

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2005 Buick LeSabre Limited 4-DR Sedan, 172,948 miles, 3800 engine, all leather interior, 60/40 front seat & all electric accessories (Runs Good).

MISCELLANEOUS

Larin hi-lift jack; Keller 8' fiberglass step ladder; 9 1/2" aluminum folding/extendable ladder; 6' folding picnic table; Harper appliance cart; Craftsman 16" scroll saw, tap-n-die set, ratchet set, 2 gal wet/dry vacuum, 3/8" dive MM sockets, drill bits, driver set, digital multi-meter, drill grinding attachment, (6) needle nose pliers, sockets, 8-Pc wrench set, 19.2V drill & 9-drawer stacked tool chest; electric miter chop saw; S & K 3/8", 1/4" & 1/2" socket set; (5) Coleman 16.4oz propane bottles; NAPA 600A 6/12V battery charger; impact drivers; driver head sets; surge outlet strips; auto electrical connectors; cleaners, lubricants & auto supplies; aluminum & wooden outdoor furniture; 12V Truck Air, 270PSI air pump; 5-drawer tool chest; iron saw horses; spring clamps; bolt cutters; 4-Pc pry bars; bench press; Dremel angle drill; assortment cabinets; (4) Quick Grips; Makita drill set; numerous hand tools; auxiliary lights; spade bits; (11) Vise Grips; adjustable wrenches; 4-drawer metal sliding bolt/nut cabinet; (4) All Trade air ratchet & grinders; impact sockets; Milwaukee sawzall; 4" wire & grinding wheels; Makita 4" grinder & 12V drill; 1/2" hp bench grinder; tool bags; snips & cutters; tape measures; aluminum scoop; gazing ball; ext cords; iron stand birdbath; (3) metal shelf units; new leather work gloves & other small items.

CHUCK PEDERSEN The Late NORMA PEDERSEN

For pictures: www.beatrice77.net (Click on The Auctioneers) CLERK: SAR-TON-SOL Clerking, Ph: 402-239-8741

Lunch & Restrooms on The Grounds.

TERMS: Cash or Check with proper ID. No property removed until settlement is made. All bids off at Buyer's Risk Not responsible for accidents or theft.

THE AUCTIONEERS
Rick Jurgens **Dennis Henrichs** **Gale "Slim" Hardin**
402-520-0350 **402-239-8741** **402-520-2911**
Ryan Sommerhalder, 402-335-7937
THE AUCTIONEERS FOR COMPLETE AUCTION SERVICE!

By Advertising in Grass & Grain,

"We have been able to reach people, both near and far, who need us most; hard-working ag people who can't call in sick and need an alternative to invasive surgery - so they can get back to work, fast."

Kansas Regenerative MEDICINE CENTER

Extend your reach!

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GRASS
& GRAIN

Auction Sales Scheduled

Private Bid land auction — (bids close 10-1-19) — 640 acres NE Ottawa County mix of grass, CRP & cropland.

Three Online Only Auctions (open Aug. 21; end Aug. 28) — Auction #1: Hardwood lumber, dimensional lumber, mantles & slabs & more; Auction #2: Antiques, collectibles, pottery, stoneware, quilts, Grace Bilger paintings, prints & paintings, wooden post office box from Hillsdale, KS, wagon wheel headboard, goat cart, Bryan outdoor wood furnace & more; Auction #3: Clocks of all types (Grandfather, mantle, wall), clock tools & clock parts & accessories, advertising match book collection, oil lamps, antique furniture & much more; all online at www.dlwebb.com. Auctioneers: Dave Webb, Webb & Associates Auctions & Appraisals.

August Online auctions selling tractors, finish mower, welders, tele loader, vehicles, equipment, Bridgeport mill, metal saws, tools, motorcycle, generators, lawn & garden, furniture, household, collectibles & more held at www.lindsayauction.com. Auctioneers: Lindsay Auctions & Realty, LLC.

Online Auction (soft close on Aug. 22) — Vehicles, trailers, boat, shop equipment, cement mixer, pipe threader, Little Giant trip hammer, welders, ornamental iron & more online at www.lindsayauctions.com. Auctioneers: Lindsay Auctions & Realty, LLC.

August 12 — Firearms including rifles, hand guns, BBs & more, coins & misc. held at Lawrence. Auctioneers: Elston Auctions.

August 13 — 167.6 acres m/l of Lyon County cropland, grass, wildlife habitat, building site held at Olpe for Scott & Jerrilyn Samberg. Auctioneers: Griffin Real Estate & Auction Service, LC.

August 13 — 640 acres of Cheyenne County, KS cropland & CRP selling in 4 tracts. Auctioneers: Farm & Ranch Realty, Inc.

August 15 — Tractors, hay & livestock equipment, grain handling, planting, cultivating & spraying, tillage, trucks, trailers, vehicles, harvest, antique machinery, construction & misc. held North of Tekamah, Nebraska for farm machinery consignments. Auctioneers: Lee Valley, Inc.

August 17 — Motorcycles, guns, shop, collectibles & household at Sedgwick for Trevor & Danielle Brewster. Auctioneers: Van Schmidt Auctions.

August 17 — Tractors, trucks, trailers, livestock equipment, tools, lawn & garden, household, antiques, col-

lectibles, guns & more held at Ottawa for consignments. Auctioneers: Eastern Kansas Auction Barn, Daryl Stottlemire, Ron Weatherbie.

August 17 — Tractors, combine, farm equipment, trucks, pickup & forklift, trailers, shop equipment, guns & more held near Wallace, KS for Paul Burk. Auctioneers: Berning Auction, Inc.

August 17 — Harp, music box, Department 56 Christmas Villages, Coca Cola collection, bulldog & boxer dog collection, very large doll house & furniture, collectibles held at Junction City for Estate of Donna & Charles Lundeen. Auctioneers: Gannon Real Estate & Auctions.

August 17 — Truck, tractors, trailers, farm equipment, shop tools & farm supplies, household & collectibles held at Hutchinson for Ivan R. & Paulette Schrock. Auctioneers: Morris Yoder Auctions.

August 17 — Mini Wrecker "Kleveland's", wreckers, air bags, tilt trailer, autos, vans & van trailer, collectibles, station tools, hand tools & miscellaneous & more held at Beatrice, Nebraska for Kleveland's Wrecker Service. Auctioneers: Jurgens, Henrichs, Hardin & Sommerhalder.

August 17 — Antiques & collectibles including barber items, drug store items, political, signs, crocks & more held at Salina for Pat Powers Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

August 18 — Guitars, Fiesta & collectibles held at Salina for Rollin & Ilene Newell. Auctioneers: Thummel Real Estate & Auction, LLC.

August 19 — 320 acres

m/l of Kearny County, Kansas including CRP, dryland and native grass held at Lakin. Auctioneers: Hamm Auction & Real Estate, LLC.

August 21 — Tractor & harvesting, trucks, pickup, farm equipment, cattle equipment, other farm items held near Garden City for Hope Farm & Cattle. Auctioneers: Berning Auction, Inc.

August 22 — Combines & choppers, tractors, loaders & construction, corn & grain heads, grain handling equipment, livestock & hay, planting equipment, tillage, trucks & trailers, miscellaneous held at Cornlea, Nebraska for consignments. And online at www.equipmentfacts.com. Auctioneers: Michael Wegener Implement.

August 24 — Pickup, camper, boats, mower, shop tools & equip., misc. held at Brookville for Schott Estate. Auctioneers: Wilson Realty & Auction Service.

August 24 — Tractors, combines, trucks & farm

equipment, shop equipment & farm related items held at Wichita for Michael & Mary Jo Nigg. Auctioneers: Van Schmidt Auctions.

August 24 — Antiques, collectibles, pottery & glassware, sterling, household, appliances, tools & misc. & more held at Cottonwood Falls for Thurston Family Trust. Auctioneers: Griffin Real Estate & Auction Service, LC.

August 24 — Household & collectibles at Waterville for David/Cleo Meagher & Eunice Larson Trust. Auctioneers: Olmsted & Sandstrom.

August 24 — Tools, garage & garden misc., household & appliances, furniture, antiques & collectibles held at Hope for the Late Gertrude Moennich. Auctioneers: Bob's Auction Service, Bob Kickhaefer.

August 24 — Furniture, appliances, glassware, collectibles, equipment, tools & misc. held at Junction City for Ruby Schmidt Estate. Auctioneers: Brown Real Estate & Auction Service, LLC.

August 24 — Household goods, glassware, high quality Fenton glass & household furniture, dinnerware sets, collectibles, auto & miscellaneous held at Beatrice, Nebraska for Chuck Pedersen & the late Norma Pedersen. Auctioneers: Jurgens, Henrichs, Hardin & Sommerhalder.

August 24 — Ford 3910 diesel tractor, zero turn mower, tools, shop & yard equipment, guns & cabinet, furniture 75+ farm tractors & toys held at Topeka for Ron & Sharon Scott. Auctioneers: Gannon Real Estate & Auctions.

August 24 — Real Estate (3BR, 2 BA walkout ranch home on large lot with wrap-around deck); & personal property including antiques & collectibles, furniture, riding lawn mower, glassware, costume jewelry, huge selection of Mary Key inventory held at Harveyville for Jo Leta Weems Revocable Trust. Auctioneers: Miller & Midyett Real Estate, Wayne Wischropp.

August 24 — Guns, fishing & collectibles held at Salina for Ken Baker Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

August 25 — 108 Guns (old Winchester, Remington, Browning, Colt & more; long guns, hand guns) plus scopes, cases, knives, parts, accessories held at Salina for 2 Estates. Auctioneers: Wilson Realty & Auction Service.

August 25 — Furniture, glass, collectibles, 50 Pedal Cars in various conditions held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

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**BAXTER
BLACK**

ON THE EDGE OF COMMON SENSE

The Feedlot Hand

Life is just a bowl of cherries to a first-rate feedlot hand, All the gates swing free and easy, every day's precisely planned.

The boss is always pleasant and lavish with his praise.

And when your wife de-

mands it, you get another raise.

The pickup that you're furnished came off the showroom floor,

The horses all are gentle and facilities top-drawer,

The alleys lay so perfect

10, 12 & 14 Bale Hay Trailers



- Cradles can be lifted w/one hand • Cradles are removable
- Safety locks for cradles in both the up & down positions, located at the front of trailer
- 1-Year Mfg. Warranty on axles & tires • 2-Year Warranty on trailer
- Heavy duty tubular construction
- 10-bale trailer has 7,000 lb. tandem axle with brakes & 10 ply tires
- 12-bale trailer has 10,000 lb. tandem dual axle w/brake & 10 ply tires
- 14-bale trailer has 12,000 lb. tandem dual axle w/brake & 14 ply tires
- Comes with a spare tire
- Now have options of hydraulic dump & 14 ply tires

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THE WORKHORSE OF WESTERN KANSAS

when you're pushin' to the scale

You only need to set one gate then put'em in the mail!

The feed truck drivers thank you and insist you're always right

And when you have to block their way, they're patient and polite.

Plus, loadin' fats is easy through you're tired as you can be.

'Cause the truckers all are helpful... and say, "Oh, please, let me!"

The barn where they get processed is as modern as they come,

Every hot shot's always workin', ain't no pandemonium.

The crowdin' alleys built so good the cattle flow like wine.

They almost fairly work themselves, they wait to get in line.

And on those days when rain or dust or snow get in the way

The boss says, "Take it easy, heck, they'll wait another day."

On holidays like Christmas when you work the extra mile

The overtime they pay makes all the hardship seem worthwhile.

No feedlot cowboy worries 'bout his job security

They rarely ever lay one off, too valuable, ya see.

I've heard 'em say about the boss, "When all is said and done

It's hard to take his money 'cause I'm havin' so much fun!"

Oh, there are days, they'd all agree that go against the grain,

Receivin' bawlin weaners in November's freezin' rain

Or checkin' pens in early March is really not that great

When it takes a front-end loader just to open up a gate.

But, all in all, they love their work. The way their mufflers smell,

The Terramycin on their hands, the Holstein steers from hell,

Scoopin' out the rainy bunks, a calvy heifer mess

And the profound satisfaction when you lance a big abscess.

The glamour of their work ensures an application glut.

Though many hear the calling, just a handful make the cut.

And he puts his heart into it and stays above the mob

So he don't have to give this up and get a real job.

www.baxterblack.com



Charlie Ann Scheele, great granddaughter of Lavern and Norma Dittmer, Linn, loves helping care for an orphan lamb.

Farmers & Ranchers

AUCTIONS EVERY MONDAY & THURSDAY

Selling Hogs & Cattle every Monday

RECEIPTS FOR THE WEEK TOTALED 3,843 CATTLE & 42 HOGS.

STEERS		HEIFERS	
400-500	\$175.00 - 186.50	16 mix	Osborne 438@166.00
500-600	\$170.00 - 179.50	29 mix	Dighton 493@165.50
600-700	\$157.00 - 169.00	46 blk	Osborne 486@165.25
700-800	\$144.00 - 156.00	10 mix	Chase 414@164.00
800-900	\$138.00 - 149.00	12 blk	Marion 500@162.50
900-1,000	\$133.00 - 144.00	2 blk	Ellsworth 435@159.00
		20 blk	Osborne 567@157.50
		23 blk	Marion 563@157.50
		14 blk	MRA 508@156.50

HEIFERS			
400-500	\$152.00 - 166.00	9 blk	Chase 583@156.50
500-600	\$150.00 - 162.50	11 blk	Raymond 570@152.00
600-700	\$140.00 - 152.00	19 blk	MRA 633@152.00
700-800	\$130.00 - 142.00	14 blk	Geneseo 621@152.00
800-900	\$123.00 - 135.75	12 blk	Kanopolis 616@151.00
900-1,000	\$119.00 - \$129.35	12 blk	Canton 648@151.00
		25 mix	MRA 527@151.00
		5 red	Maize 661@150.50
		5 blk	Geneseo 571@150.50
		24 mix	Dighton 601@150.00

THURSDAY, AUGUST 8			5 red			Maize			661@150.50		
FEEDER SALE:			5 blk			Geneseo			571@150.50		
STEERS			24 mix			Dighton			601@150.00		
6 mix	Sterling	423@186.50	8 mix	Salina	528@148.50	4 blk	Leon	574@148.00			
12 mix	Osborne	435@185.50	10 mix	Pretty Prairie	617@146.50	6 blk	Lindsborg	688@145.00			
12 mix	Dighton	423@184.00	11 red	Maize	736@142.00	86 blk	Salina	713@141.00			
9 mix	Chase	466@182.00	64 mix	Salina	787@138.10	13 blk	New Cambria	752@138.00			
23 mix	Osborne	489@181.00	80 mix	Brookville	720@137.50	25 mix	Abilene	786@137.25			
4 blk	Salina	416@180.00	65 mix	Salina	793@137.00	6 blk	Randolph	721@137.00			
23 blk	Dighton	500@179.50	7 mix	Halstead	784@136.00	20 mix	Salina	707@136.00			
39 mix	Osborne	564@178.50	65 blk	Brookville	806@135.75	11 blk	Jamestown	732@134.50			
16 mix	Marion	590@170.00	23 mix	McPherson	707@134.25	45 mix	Olpe	790@134.25			
18 blk	Marion	580@169.50	12 bwf	Lorraine	815@133.50	16 mix	Erie	843@131.25			
7 blk	Pretty Prairie	618@169.00	12 blk	Jamestown	832@130.00	58 mix	Wilsey	904@129.35			
13 blk	Osborne	643@169.00	21 mix	Salina	904@128.00						
21 blk	Dighton	608@167.00									
6 blk	Raymond	531@166.00									
8 blk	Lindsborg	626@166.00									
7 blk	McPherson	636@165.00									
10 red	Maize	653@164.00									
15 mix	Gorham	613@163.00									
7 blk	Raymond	656@162.50									
10 blk	Piedmont	640@161.00									
30 mix	Wilson	636@159.50									
14 mix	Marion	704@156.00									
26 red	Maize	735@156.00									
17 blk	Dighton	714@155.50									
16 blk	Pretty Prairie	728@154.00									
15 blk	Wells	703@153.50									
10 mix	Gypsum	721@151.00									
23 mix	Abilene	759@150.75									
24 mix	Gorham	702@150.75									
32 blk	Leonardville	766@150.75									
40 mix	Gypsum	781@149.75									
13 red	Maize	805@149.00									
68 mix	Mahaska	829@148.10									
70 mix	Wells	792@147.25									
64 mix	Valley Center	835@147.00									
9 mix	Randolph	818@145.50									
117 blk	Mahaska	907@144.00									
59 red	Mahaska	924@143.75									
61 mix	Emporia	885@143.50									
34 mix	Brookville	806@143.50									
20 mix	Emporia	833@143.00									
20 mix	Gypsum	885@142.25									
88 mix	Wells	883@142.00									
56 mix	Valley Center	902@140.00									
51 blk	Emporia	964@139.50									
15 mix	Leonardville	876@139.00									

MONDAY, AUGUST 5			
CATTLE & HOG SALE:			
HOGS			
3	Benton	272@52.00	
4	Tescott	274@51.00	
2	Tescott	280@50.00	
SOWS			
1	Tescott	520@33.50	
9	Abilene	523@33.50	
5	Abilene	453@31.25	
CALVES			
2 hfrs	Lindsborg	313@475.00	
1 str	Lyons	300@410.00	
2 strs	Lindsborg	268@400.00	
4 strs	Virginia	278@375.00	
1 hfr	Gypsum	180@300.00	
1 str	Lyons	180@250.00	
BULLS			
1 rwf	Randall	1955@92.50	
1 blk	Hutchinson	2165@92.00	

MONDAY, AUGUST 5 CATTLE & HOG SALE:

HOGS	
3	Benton 272@52.00
4	Tescott 274@51.00
2	Tescott 280@50.00

SOWS	
1	Tescott 520@33.50
9	Abilene 523@33.50
5	Abilene 453@31.25

CALVES	
2 hfrs	Lindsborg 313@475.00
1 str	Lyons 300@410.00
2 strs	Lindsborg 268@400.00
4 strs	Virginia 278@375.00
1 hfr	Gypsum 180@300.00
1 str	Lyons 180@250.00

BULLS	
1 rwf	Randall 1955@92.50
1 blk	Hutchinson 2165@92.00

Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211

MONDAY — HOGS & CATTLE

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

THURSDAY — CATTLE ONLY

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

AUCTIONEERS: KYLE ELWOOD, BRANDON HAMEL & GARREN WALROD

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



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

1 blk	Minneapolis	2010@90.50	1 blk	Tescott	1500@73.00
1 blk	Salina	2335@88.56	1 blk	Gypsum	1585@72.50
1 blk	Dorrance	1700@87.56	3 mix	Durham	1538@72.50
1 blk	Tescott	1645@87.00	2 blk	Tescott	1505@72.50
1 wf	Randall	1895@87.00	1 blk	Abilene	1785@72.00
1 blk	Ellsworth	2085@86.00	1 blk	Gypsum	1425@71.00
1 blk	Minneapolis	1990@86.00	2 char	Barnard	1558@70.50
			6 blk	Tescott	1363@70.00
			1 char	Salina	1420@70.00
			2 mix	Durham	1140@68.50
COWS					
1 blk	Salina	1955@75.00			
4 blk	McPherson	1770@73.00			
1 bwf	Lindsborg	1600@73.00			

HORSE SALE PEOPLE! LAST CALL to get your HORSES in! This is the LAST WEEK to get them Consigned

UPCOMING SALES:

HORSE SALE: Friday, October 11 @ 11:00 AM F&R Futurity

Friday, October 11 @ 6:00 PM Rope Horse Preview

Saturday, October 12 @ 10 am • Sunday, October 13 @ 10 am

SPECIAL COW SALES:
Starting at 11:00 AM

WEANED/VACC. SALES:

Tuesday, Oct. 15 • Tuesday, Oct. 29

Tuesday, Nov. 5 • Tuesday, Dec. 3

Tuesday, Aug. 13 • Tuesday, Oct. 22

Tuesday, Nov. 19 • Tuesday, Dec. 17

BUFFALO SALE: Saturday, December 7

EARLY CONSIGNMENTS FOR THURSDAY, AUGUST 15

600 blk strs 850-900 off grass, 70 strs 700-900 long weaned/home raised/off grass, 145 s&h 550-750 long weaned/home raised/2 rnd vacc, 70 mostly blk strs 800-900 long weaned, 68 blk s&h 600-700 home raised/2 rnd vacc, 60 s&h 600-750 weaned march/3 rnd vacc. PLUS MORE TIME BY SALE TIME.

IN STOCK TODAY:

- Heavy Duty Round Bale Feeders
- 6'8" x 24' GOOSENECK STOCK TRAILER METAL TOP
- 6'8" x 24' GOOSENECK STOCK TRAILER
- 42' ROUND BALE DUMP TRAILERS
- HEAVY DUTY FEED BUNKS (Silage & Grain)
- HEAVY DUTY 5000# GRAIN TOTE

For Information or estimates, contact:

Mike Samples, Sale Mgr., Cell Phone 785-826-7884

Kyle Elwood, Asst. Sale Mgr., Cell Phone 785-493-2901

Jim Crowther
785-254-7385
Roxbury, KS

Lisa Long
620-553-2351
Ellsworth, KS

Cody Schafer
620-381-1050
Durham, KS

Kenny Briscoe
785-658-7386
Lincoln, KS

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

Austin Rathbun
785-531-0042
Ellsworth, KS

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

Check our listings each week on our website at www.fandrlive.com

