



NCBA and Masters of Beef Advocacy announce Buzzard Frobose as 2019 Advocate of the Year

The National Cattlemen's Beef Association (NCBA), a contractor to the Beef Checkoff, has selected Brandi Buzzard Frobose, blogger, Kansas rancher and influencer, as the 2019 Advocate of the Year. This honor is given annually to an outstanding Masters of Beef Advocacy (MBA) program graduate to recognize his or her success in reaching and educating consumers who want to learn more about beef and raising cattle. MBA is a Checkoff-funded program designed to equip advocates with the training, knowledge, and experience to advance their advocacy efforts as spokespeople for the industry.

In addition to being a mom to three-year old Oakley and co-owner of High Bar Cattle Company with her husband, Hyatt, near Greeley, Kansas, Buzzard Frobose is a full-time beef industry communi-

cations professional. As busy as she may be, Brandi still finds time to connect with consumers by honestly and transparently sharing information about beef's great taste, unbeatable nutrition and the hard-working farmers and ranchers who produce it through her online social media platforms and blog.

Brandi's interest in and passion for the beef industry was ingrained in her at a young age as she tagged along with her dad and grandpa at feedlots, roping, and working with her cattle and hogs for the local fair.

As an exemplary advocate, Buzzard Frobose enjoys giving her fans and followers a glimpse into her life as a rancher and mom. She also frequently shares tasty beef recipes and candid perspectives on current beef events through her blog, Buzzard's Beat, and across her social media channels.



Kansas rancher, Brandi Buzzard Frobose, has been recognized by NCBA for her beef advocacy efforts.

Her "door" is always open for people to ask questions. Brandi uses social media as a way of connecting, sharing and inspiring others about life on the ranch and raising cattle.

"Passionate, knowledgeable people are among our industry's greatest assets," according to Laurie Munns, Utah rancher and chair of the Federation of State Beef Councils, a division of NCBA.

"When you add the willingness to communicate with both consumers and critics about the value we bring to society, it's a blessing. Brandi represents what is best about beef industry outreach."

Buzzard Frobose started blogging in 2009, and since then has elevated her status as an influencer and beef advocate. She's become heavily involved in the MBA program, a project

she helped to grow during her time as a NCBA employee from 2013 to 2017.

Buzzard Frobose continues to set a strong example for other beef advocates by sharing her story in ways that connect with others inside and outside the beef community. Brandi's focus on blending stories about her life on the ranch and raising cattle with her role as a working mom resonates with

her audience and has fueled success on her social platforms. She genuinely connects with consumers, which has led to interviews this past year on national television networks including CBS, FOX, and MSNBC.

As part of her advocacy work, Buzzard Frobose has tackled large issues, including food labels at the grocery store, environmental sustainability, and beef's role in healthy sustainable diets. She continually gives back by encouraging fellow beef advocates and sharing her experiences to help others.

You can follow Brandi Buzzard Frobose's advocacy efforts online at BuzzardsBeat.com or on social media at @BrandiBuzzard. Buzzard Frobose will be recognized as Advocate of the Year during the 2020 Cattle Industry Convention in San Antonio.

Chuckwagon style welcomes guests to Beatrice Livestock's Bistro 77

By Lucas Shivers

A new restaurant, Bistro 77, shares a space with the livestock sale barn in Beatrice, Neb. Jason Williams, the owner and chef, plans a diverse and creative mix of midwestern food.

"My whole philosophy is that we should eat healthy, clean and local all without paying a big price," said Williams, with years of top restaurant experience. "We want people to come out and try it. We hope to make both the sale barn and the restaurant premier."

Currently, Bistro 77 is open 7 a.m. to 2 p.m. from Thursday to Monday.

"It's mainly me and a few volunteers to help," Williams said. "But really it's a whole community effort to make Bistro 77



A strong background in ranch and cajun-style cooking is reflected in the dishes offered at Bistro 77, located in the sale barn in Beatrice, Nebraska.

work. The sale barn has been amazing with lots of support. Folks are tired of fast food, and they want a fresh, home-cooked meal."

Starting Off

Food has been a key part of Williams' life and upbringing.

"I grew up in southeast Texas on the Louisiana border," Williams said. "I started cooking when I was seven years old. My background is ranch and cajun style, where a lot of the men did the cooking."

Williams started out learning to make pancakes and breakfast foods.

"I helped my grandparents every Sunday with big meals of more than 100 kinfolk and family who would show up outside with homemade tables of plywood with big spreads," Williams said.

"Everyone I knew would show up to eat with us," he



Sourcing his ingredients locally, Williams strives to bring unusual pairings to his menu for people to experience and enjoy.

said. "It got me into cooking. I saw lots of friendships come about over food. It's an experience, not a chore."

Journey of Life

After high school, Williams joined the Army from 1990-93 and then worked construction as a welder. He built pipelines and power plants in the south and all over the nation.

Then, he went to culinary school in Houston and worked all over the world.

"I learned from different chefs with lots of various cul-

tural backgrounds," Williams said. "One memory is making a lot of ice and chocolate sculptures, including one 55-pounds of dark velvet Belgium chocolate into a 3-D bass and lots of wedding cakes."

When he was going to school, he took an executive chef role at a special needs camp in Texas.

"It was really challenging due to the different diets for kids coming out of the hospital," Williams said. "They were hooked up to so



The Williams family includes Erin, Jason, Parley and Oliver.

many different machines."

After finishing school, he went into fine dining under a chef on the East Coast and became a corporate exec chef.

At a training class for one of these roles, he met his wife, Erin, who was a dietician based in Wichita. They married, and he moved to Kansas in 2011. For several years, he worked as a chef at Cypress Springs Alzheimer's facility.

Transition North

In 2019, the Williams moved to Beatrice, Nebraska when Erin took a job at the hospital as director of dining services. A family friend told Jason to check out the restaurant space at the sale barn.

"There was a kitchen and little cafe, but they were without someone to run it for more than

six weeks," Williams said. "My wife said I should do it."

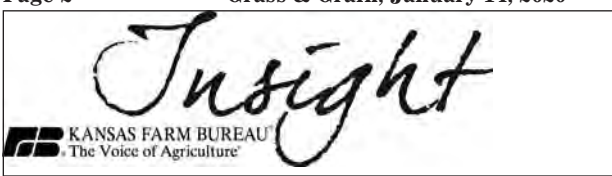
The sale barn wanted someone to take over the space and make a restaurant.

"It happened on a Saturday in mid-October, and they wanted me to start cooking on Monday," Williams said. "It took off from there. I tried to do a soft open, and it didn't last long. Then all of a sudden it blew up with everyone coming. There's no way to keep secrets in town!"

Farm to Table

Williams highlights and supports local, fresh options with his menu at Bistro 77.

"I'm a big farm to table, and I push my food in that direction," Williams said. "I'm getting locally sourced everything. I'm meeting a lot of



Seize the Day

By Kim Baldwin,
McPherson County farmer
and rancher

A few days after Christmas my husband came home with a sack from the local grocery store. In the bag was a combination of noisemakers, paper eyeglasses and crowns. All items had 2020 somewhere on them. He immediately put the bag on one of our kitchen shelves that we generally use to hide things from the kids. I forgot about the items until my husband brought them out of their hiding spot on the evening of the last day of the year.

The kids immediately gravitated toward the noisemakers and put their full gusto into kicking off a celebration. After a dozen seconds of the incessant squawking, which sounded more like sickly geese honking, we encouraged the kids to put the noisemakers down and choose some other items to quietly wear to celebrate the coming of the new year.

My daughter, who very much enjoys accessories, donned herself with both the 2020 eyeglasses and tiara, and she immediately began dancing around the kitchen and then took off through the house. She quickly ditched the eyeglasses, but absolutely embraced wearing the tiara.

As the evening progressed, we enjoyed playing a card game that we

had spent a lot of time playing together since acquiring it Christmas morning. As we sat around the kitchen table drawing cards and trying to slow down our opponents, the distant noise of the television in the other room offered New Year's programming. It was a calm and simple and lovely evening together with my family that all too often is missed because of busy schedules and distractions. We had nowhere we had to be, and nothing needed immediate attention on Jan. 1. The evening allowed us all to simply be. We were present, and close, and enjoying each other's company.

As the East Coast prepared to ring in the new year, so did my family. The kids didn't need to stay up until midnight Central Time, and I was not willing to explain time zones to them that night. We wished each other a Happy New Year and settled down for the evening.

The following morning, a chipper and well-rested crew appeared from their rooms. My four-year-old daughter, Isannah, emerged wearing her New Year's tiara centered on her head. It's a paper item that surprisingly did not break after its first wear the night before. Isannah emerged as royalty, ready to seize the day with her headpiece. And she and her brother did just that

– seized the day – and enjoyed the final hours of their break before returning to school the next day.

For the next two mornings, although the calm and relaxed mornings have subsided, Isannah has continued to wake from her slumber and immediately place her paper tiara on her head before joining us at the table for breakfast.

She walks into the room with her crown centered on her head ready to seize the day, and despite her brother's attempts to distract and unnerve her by helping it fall off, she calmly places it back on her head of curls and continues on with her morning. She doesn't allow her brother's attempts to impact her morning. She is present, and sits close with the family, and continues to enjoy her time with everyone over breakfast before she carefully places her headpiece back on her desk before leaving for school to seize the day.

May we all approach this new year like my 4-year-old has with her delicate paper tiara these last few days. May you enter each day this year intentionally with a crown centrally placed on your head. And may we all brush off those distractions and other instances that would impact how one wears the crown. And may we all re-center our headpieces quickly in order to seize each day!

"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.

Moran encourages Senate to quickly move on USMCA

U.S. Sen. Jerry Moran (R-Kan.), chairman of the Senate Appropriations Subcommittee on Commerce, Justice, and Science and member of the Appropriations Subcommittee on Agriculture, recently sent a letter to Majority Leader Mitch McConnell and Minority Leader Chuck Schumer requesting that the United States-Mexico-Canada Agreement (USMCA) be considered immediately upon its discharge from the Senate Finance Committee.

"We ought not allow this lack of seriousness on the part of House Democrats to stand in the way of the Senate moving forward on the important legislative work the American people elected each of us to accomplish," wrote Moran. "In particular, passage of the USMCA must be a top priority of the Senate. Should the impeachment process remain stalled, I urge you to move to the consideration of the USMCA implementing legislation upon its discharge from the Senate Finance Committee."

"Having received 385 votes in the House of Representatives, the USMCA is an overwhelmingly bipartisan product, making its passage a readily accomplishable achievement," continued Moran "Barring a sudden end to House Democrats' political gamesmanship regarding impeachment, the Senate ought to expeditiously consider and pass this historic agreement."



I'm afraid that, after everything else he's been through in this past month since our car accident, my husband is now going to need reconstructive surgery on his mouth – specifically, his lower lip and tongue.

Now don't get ahead of me here, I didn't do anything to him. While I've confessed in the past to not being the most sympathetic caregiver in the world, I'm not really the violent sort. So this isn't my fault – well, not directly anyway.

You see, his pelvic and back injuries have left him unable to drive. Therefore, along with duties as his chief nurse, I have also become his chauffeur. Again, don't get ahead of me. Although I have been known to brake suddenly, I didn't throw him through the windshield or anything.

In our nearly 40 years of marriage, both of us would agree that some of the biggest fights we ever had were when I was driving and he was in the passenger seat criticizing, or as he prefers to think of it, "offering helpful tips."

"You should want to be the best driver you can possibly be," he would say.

One time he made me so mad I pulled the car over and ordered him to get out. He refused, so I threw it in park, got out myself and started walking home. Fortunately, we were only about a mile away and it was a nice evening. By the time I got home, I'd cooled off... more or less.

At this point, please refer back up to the part

where I said I'm basically the nonviolent sort, before your imagination starts running away with you.

So when we were sitting in the hospital and realized that I was going to be driving him around to a lot of doctor's appointments, in all honesty, we both got a bit nervous and began discussing alternatives. His thought was asking for rides from friends. Mine was tranquilizer darts.

In the end, though, we both realized neither of those alternatives were particularly practical, so the driver would be me... in all my glory.

I promised to pay attention, avoid bumps and the rumble strips that cause him pain, and obey all the laws of the road. If you knew my extreme distaste for stop signs, you would realize what a commitment this was.

For his part, he promised to sit quietly, chat pleasantly about the weather and other subjects, and not criticize my every move.

And that's where the oral injuries come in.

I was driving along, thinking I must be doing a wonderful job, because there had not been a single criticism out of him. Then again, with the exception of nearly running one red light (accidentally – I didn't see it because it was on a pole on the side of the street rather than overhead like I'm used to), I didn't think I'd done too much that was worthy of criticism.

Then I heard a whimper out of him and glanced over to see him biting his lip so hard I was afraid it would bleed. His eyes had kind of a wild look about them, too.

He moved faster than he had in weeks as we made our way into the doctor's office. Before the good doctor could say a word, my husband blurted out, "Cow wong unpil I fan dwive???"

Clearly, his lip and tongue were both severely damaged from the car ride and subsequent biting.

The doctor looked to me for translation, which sadly, I was able to provide.

"How long until he can drive?"

"That's up to your surgeon," the doctor replied. I thought my husband was going to cry. I thought I was going to cry.

And suddenly, just like that, those tranquilizer darts didn't seem like such a bad idea after all.



I am not sure what is going on, but animal agriculture is under attack. It seems like almost every day we are getting a new headline and news story about how you can save the environment by cutting back on the amount of red meat you consume. Every time I see or hear this it sends my blood pressure through the roof because all the claims are boundless and completely without merit.

First it was the teenage girlie from Sweden who suddenly was everywhere proclaiming that we were destroying the planet with global warming. It led to protests in the streets and even other children being excused from schools to join the protests. I would argue that allowing these children to miss school was a horrible idea because they obviously need more science. I also am slow to blast the young lady from Sweden because I think she is being used and manipulated by adults to promote a cause that no one will listen to them about. The hypocrisy of the whole situation is that she is flying and traveling all over the world and burning a lot of fossil fuels to do so.

Then we have the poor confused senator running for President that believes that if we ban confined feeding operations that we will also reduce global warming and save the planet. First, I am quite sure that he has never visited one of the farms and ranches he berates. If he did, he would see that they are quite advanced and limit the amount of greenhouse gases they emit. If he would take the time to do some research and learn the true facts, he would know that the amount of greenhouse gases agriculture is responsible for is a very small fraction of the total. He might want to think about his state's usage of cars, buses and trucks first.

Recently we learned that the Golden Globes Award Ceremony was going vegan because they wanted to raise awareness of the production of meat and its contribution toward global climate change. First, taking cues and advice from a bunch of pampered, empty-headed actors and actresses is about the dumbest thing I have ever heard of. Why anyone would think that they have any idea about what they are talking about is beyond me. Then the thought of them all coming to the awards on chartered private planes and then pontificating about the evils of animal agriculture is mind-blowing.

Mix all of this with the proliferation

of non-meat meat-like products. We have a real crisis brewing in animal agriculture and it is all based upon false information and outright lies – being spread by people, mostly celebrities, that are being used and manipulated by anti-agriculture organizations that have far more sinister intentions than to raise awareness.

I would bet the farm, and that might not be a stretch, that if you dug down far enough into the sudden interest in global climate change awareness – more specifically, how it pertains to the production of meat – it will lead directly back to some of our old nemeses like HSUS and PETA. In fact, I know it does.

You see, they could not reach their clearly stated goals of eliminating animal agriculture by using their tried and tired tactics of going after how we treat our livestock. The public had stopped listening to them and they were not getting the traction they need with the same old publicity stunts and ad campaigns. They had to come up with a new approach.

That new approach was to join forces with environmental groups and attack animal agriculture by linking us with global climate change. Never mind the fact that animal agriculture accounts for less than 4 percent of the supposed greenhouse gases. Never mind that the way we produce meat is the most efficient and environmentally safe way of growing food. Facts mean nothing to these groups if they can sway public opinion. The scary thing is it seems that they are gaining traction.

They do not care if we raise enough food to feed a growing world. They do not care if people starve. All of this is simply a cause to them and one that they can line their pockets with and ultimately become rich. They are not do-gooders but rather evil self-promoters who ensnare and entangle many who do legitimately care about our world but are rather gullible.

If it seems like I am trying to alarm you, it is because I am. We need to take this threat seriously and let the world know what the truth is. Our greatest hope is that people still trust farmers and ranchers and we can have a positive impact of the story that is told about agriculture, but it will take all of us doing our parts and telling our stories. After all, it doesn't look like we can count on Hollywood doing it for us.



"Wilbur your problem is you have got 150-pound feet hooked to a 300-pound body!"



"BY THE WAY, I KNOW YOU'RE NOT BEING CONSIDERATE LETTING ME GO FIRST... YOU JUST WANT THE SEAT WARMED UP!"

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USDA proposes Beef Board changes

USDA's Agricultural Marketing Service is proposing to adjust membership on the Beef Promotion and Research Board to reflect shifts in cattle inventory levels since the last board reapportionment in 2017. The proposal would increase total board membership by two members, from 99 to 101, and would include the following changes.

Domestic cattle producer representation would increase from 92 to 94 members. Nebraska, Texas and Wisconsin would each gain one member.

The Southeast Unit, made up of Alabama, Georgia and South Carolina, would be dissolved.

Alabama and Georgia would become stand-alone states due to each having enough inventory to qualify for a position on the board.

South Carolina would be added to the Mid-Atlantic Unit, which would then consist of South Carolina and West Virginia, and would qualify for one member.

Maryland would move from the Mid-Atlantic Unit to the Northeast Unit, which would then consist of Connecticut, Delaware, Maine, Maryland Massachusetts, New Hampshire, New Jersey, Rhode Island and Vermont, and qualify for one member.

K-State plans leadership academy for youth interested in livestock industry

Students from across the country with an interest in the livestock industry and related careers can apply now for the Kansas State University Animal Sciences Leadership Academy (KASLA).

The academy, now in its 12th year, is an intensive four-day educational experience designed to enhance the leadership skills and animal science knowledge of students in grades 9-12.

Hosted by the K-State Department of Animal Sciences and Industry and sponsored by the Livestock and Meat Industry Council (LMIC), the academy's goal is to develop young leaders within the livestock industry and prepare them for a successful future in this field.

"The biggest benefit that I received from KASLA was identifying my strengths and weaknesses and figuring out how to play to my strengths," said Gavin Beesley, 2019 participant from Conway Springs. "I would encourage others to apply. You get to have learning experiences while also being able to meet people in the agriculture industry. I got to meet so many fun people who were interested in similar things that I was and we got to have fun while learning."

The academy will take place in Manhattan, June 24-27. Applications are due April 15, 2020, and can be found at <http://www.YouthLivestock.KSU.edu>.

The program's itinerary will feature interactive work-

shops, tours and faculty mentor time with animal scientists and industry professors. Industry leaders will also join the participants frequently to share their knowledge and expertise.

Throughout the week, participants will work in teams to evaluate current events within the animal science industry in order to educate others. The leadership academy will culminate with team presentations and a closing reception on Saturday morning.

Only 20 students will be accepted for each session so that counselors, professors and industry leaders can provide individualized attention. Participants will stay on campus in university housing with program staff for the duration of the event.

Transportation to and from the event is the responsibility of the participant, along with a \$50 fee to reserve space. This fee is only due upon acceptance and not at the time of application. Through its sponsorship, the Livestock and Meat Industry Council covers all other costs.

For more information or questions, contact academy director Sharon Breiner at sbreiner@ksu.edu or 785-532-6533.

Chuckwagon style welcomes guests to Beatrice Livestock's Bistro 77

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people through the restaurant and making connections with others in the area seeking that life-style."

Williams said he has great local products.

"We keep it all fresh and focus on the taste," he said. "It's the way we're doing things."

key time where food, cooks and traditions came from the south in a chuck wagon with lots of different influences."

Williams works to create foods for Bistro 77 from the same southern aura of his past and history.

"I was tired of the same old," he said. "So I wanted to make things different with tacos from Spanish influence, monte cristo from French and farmhouse hash with lots of vegan options."

Future Steps

In the coming months, the restaurant will start doing some nights with steak and fish that you can't get anywhere else.

"We get a lot of good feedback," he said. "Most customers aren't used to some of our different flavor profiles and pairing foods together. We're all learning and enjoying it."

The vision for Bistro 77 is to keep a nice and comfortable inside and to slowly grow for people to enjoy food and fam-

ily.

"We have Oliver, age 7, and Parley, age 4," he said. "They help sweep the floor and wash dishes. They love to come and learn how to cook. I want them to be multi-crafted to learn life skills."

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Historical Connections

Drawing on the cattle drive history of the region, Williams reflects the post-Civil War era of bringing huge herds of cattle through the Midwest from Texas to Chicago.

"We're trying to focus on cattle drive theme," Williams said. "Cattle drives only lasted a few decades, but it was a

future steps

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GRASS & GRAIN Our Daily Bread

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

Eileen Patrick, Lindsborg, Wins Weekly Grass & Grain Recipe Contest & Prize

Winner Eileen Patrick, Lindsborg:
SIMPLE S'MORES

1 box brownie mix (9-by-13-inch size)
Graham crackers
Miniature marshmallows
Mix brownie mix as directed on package. Pour half of mixture into greased 9-by-13-inch pan. Cover with graham crackers. Pour other half of brownie mix on the crackers. Bake as directed on box until done. Remove from oven. Set oven on broil setting. Put marshmallows on baked brownies and set under broiler for a couple minutes, just until lightly browned. Watch closely. Cool and enjoy. Cuts easier with a plastic knife. Makes 24 servings.

Kellee George, Shawnee:
CORN CHOWDER
1 can whole kernel corn, undrained
1/2 cup chopped onion
1/2 cup cubed & peeled potatoes
1/3 cup water
2 teaspoons chicken instant bouillon
1 3/4 cups milk
1 tablespoon butter
2 tablespoons flour
In a large saucepan combine corn, onion, po-

tatoes, water and bouillon. Bring to a boil. Reduce heat to low cover and simmer 10 minutes or until potatoes are tender, stirring occasionally. Stir in 1 1/2 cups of the milk and butter. In a small bowl combine remaining 1/4 cup milk and flour; beat with wire whisk until smooth. Add flour mixture to chowder and cook and stir until bubbly and thickened.

Darlene Thomas, Delphos:
SLOW-COOKED SAUERKRAUT SOUP
1 medium potato, cut into 1/4-inch cubes
1 pound smoked Kielbasa, cut into 1/2-inch cubes
32-ounce can sauerkraut, rinsed & well-drained
4 cups (10 3/4 ounces) condensed cream of mushroom soup, undiluted
1/2 pound sliced fresh mushrooms
1 cup cubed cooked chicken
2 medium carrots, sliced
2 celery ribs, sliced
2 tablespoons white vinegar
2 teaspoons dill weed
1/2 teaspoon pepper
3 to 4 bacon strips, cooked & crumbled
In a 5-quart slow-cooker combine the first 11 ingredients. Cover and cook on high for 5 to 6 hours or until the vegetables are tender. Skim fat. Garnish with bacon. Yields about 3 quarts.

Nancy Rhodes, Abilene:
"Very good and fast."
STOVETOP BEEF & SHELLS
1 1/2 cups uncooked medium pasta shells
1 pound lean ground meat
1 medium onion, chopped

1 garlic clove, minced
15-ounce can crushed tomatoes
8-ounce can tomato sauce
1 teaspoon sugar
1/2 teaspoon salt
1/2 teaspoon pepper
Cook pasta according to package directions; drain. Meanwhile in a large skillet cook and crumble beef with onion and garlic over medium-high heat until beef is no longer pink, 5 to 7 minutes. Stir in remaining ingredients; bring mixture to a boil. Reduce heat and simmer uncovered until flavors are blended, 10 to 15 minutes. Stir in pasta; heat through.

Kimberly Edwards, Stillwater, Oklahoma:
PORK STEW
1 tablespoon oil
1 1/2-pound boneless pork loin, cut into 3/4-inch cubes
1 can chicken broth
1 cup water
1 medium onion, cut into 8 wedges
1/2 teaspoon salt
1/2 teaspoon dried marjoram leaves
1/8 teaspoon pepper
10-12 small red potatoes, quartered
1 1/2 cups sliced carrots

1 cup frozen peas
1/2 cup half & half
1/4 cup flour
Heat oil in 4-quart saucepan or Dutch oven over medium-high heat until hot. Add pork cubes and cook 3-5 minutes or until browned, stirring occasionally. Add broth, water, onion, salt, marjoram and pepper. Bring to a boil. Reduce heat to low, cover and simmer 20 minutes. Add potatoes, carrots and peas. Return to a boil. Reduce heat to low, cover and simmer an additional 15-20 minutes or until veggies are tender. In small bowl combine half & half and flour; blend until smooth. Gradually stir into pork mixture. Cook and stir over medium-high heat until mixture is bubbly and thick.

Rose Edwards, Stillwater, Oklahoma:
HOT HAM & SWISS ON RYE
1/2 cup butter
1/4 cup horseradish mustard
1/4 cup chopped onion
4 teaspoons poppy seeds
8 rye buns, split
8 thin slices deli ham
8 slices Swiss cheese
Heat oven to 350 degrees. In a small bowl combine butter, mustard, onion and poppy seeds. Spread mixture on cut surfaces of buns. Fill each bun with 1 slice ham and 1 slice cheese. Wrap each sandwich in foil and place on ungreased cookie sheet. Bake at 350 degrees for 15-20 minutes or until thoroughly heated.

Darlene Thomas, Delphos:
GRANDMA'S BEEF STROGANOFF
1 pound round steak, sliced into thin strips
Garlic powder to taste
Lemon pepper to taste
Salt & pepper to taste
1 cup all-purpose flour
2 tablespoons cooking oil
1/3 cup soy sauce
1/3 cup Worcestershire sauce
1/2 cup ketchup
3 tablespoons minced dried onion
1 can cream of mushroom soup or canned mushrooms
Minced garlic, to taste
1 1/2 of a box beef broth
1 package egg noodles
1 1/2 cups sour cream
At medium-high heat warm stock-pot or Dutch oven. Slice the steak into thin strips and season meat with garlic powder, lemon powder, salt and pepper. Toss meat in flour then shake off excess flour. Add oil to the heated pot and add seasoned steaks. Once the meat is browned add soy sauce, Worcestershire sauce, ketchup, minced onion, minced garlic, cream of mushroom soup or canned mushrooms and beef broth. Simmer for 1 hour to 1 1/2 hours. Boil egg noodles. Follow box directions. Drain and set aside. Once the meat is tender mix warm water and flour in a measure cup for thickening. Pour over the meat and sauce and stir until desired thickness. Remove pot from heat and stir in sour cream. Serve up over a plate of cooked noodles. Serves 4 to 6.

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January Is Radon Action Month
By Tara Solomon-Smith, Adult Development and Aging Agent, Wildcat Extension District

Because of its odorless, tasteless and colorless ways, radon can be a silent killer and unfortunately, it's fairly prevalent in Kansas soils. The radioactive gas that occurs naturally in some soils is the No. 1 cause of lung cancer in non-smokers. It claims the lives of about 21,000 Americans every year, according to the EPA. But there are ways to test for it and mitigate it. To help raise awareness and encourage people to have their homes tested, the EPA has deemed January National Radon Action Month.

The Kansas Radon Program encourages all homeowners to test for radon. Test kits can be obtained from your Wildcat Extension District office for a reduced fee, which includes a lab analysis and return postage. Kits can also be ordered online at www.sosradon.org at retail price.

More than 112,000 radon measurements have been reported in Kansas, according to the Kansas Department of Health and Environment. The agency indicates that the statewide average indoor radon level in Kansas is 4.9 picocuries of radon per liter (pCi/L), which is above the EPA threshold of 4.0.

For homeowners who test and find elevated radon levels in their homes, the most common technique to reduce it is called Active Soil Depressurization. An ASD mitigation system is a permanently-installed pipe-and-fan system that places a direct constant vacuum on the soil beneath the home's foundation, so the amount of radon that can penetrate into the living space is reduced.

More information about radon, testing and mitigation is available at kansasradonprogram.org/home or by calling the Kansas Radon Hotline at 1-800-693-5343.

For more information, please contact Tara Solomon-Smith, tsolomon@ksu.edu, or by calling 620-724-8233.

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How To Read The Nutrition Facts Label And Understanding The Information

By Tyler Johnson, Wildcat District EFNEP Agent

Pretend you are standing in front of a dozen different types of pasta sauce. They all look good, but you need to know what is best for your family. Have you ever had this happen? I know I have. The nutrition facts label is the perfect place to help you make the right decision. Here is how you can use the nutrition facts label to help you decide.

LABEL BASICS

Watch for these terms to help you know what the label is telling you.

Serving Size – Serving size tells you how to understand the rest of the information on the label. The example on the right shows a serving size of 1/4 cup. Each 1/4 cup has the nutrition listed (ex. 100 calories). Serving Size is important to understand because most people have larger servings than what is listed, but they still think what they eat is a serving. If this is the case, you need to adjust the rest of the label based on how much you eat. For example, if you ate 1/2 cup, or two servings, you would double everything on the label (ex. 200 calories).

Servings Per Container – Servings per container tells you how many servings are in the package. This can help you figure out how many people or how many meals you can get out of the package. Another way this information is useful is for portion control. Look at the example, you will see it has 8 servings per container. The information listed on the nutrition label is per serving or portion. If you use the whole container, you can make 8 meals with the nutrition listed.

Calories – Calories are important to keep us moving. If we eat more calories than we use, we will gain weight. The number of calories people need depends on your height, weight, gender, activity level, etc... Most nutrition labels are based on a 2,000-calorie healthy adult diet (see the note on the bottom of the label). By watching the number of calories you eat, you will know how many calories you have left for the day.

% Daily Value – The Percent Daily Value (% Daily Value or % DV) on the nutrition facts label lets you know how much of a certain nutrient your body needs is in a serving. For example, on the nutrition label it says 19% Daily Value of Sodium. This means one serving has 19% of the sodium you should be eating daily. Like the other nutrition information, the % DV increases based on the number of servings you eat. For example, if you were to eat 1/2 cup, you would be eating 2 servings or 38% of your Daily Value of Sodium.

Sodium – Sodium is a naturally occurring element needed for daily life. Too much sodium causes health issues. It is important to keep a close eye on the sodium in your food. Try to keep from purchasing foods with sodium added. There are some tricks to reading the label that can help. Canned goods labeled “low sodium” contain less than 140 mg of sodium, “very low sodium” contains less than 35 mg, and “sodium-free” contains less than 5 mg. Be wary of “reduced sodium” on a label. This means it has less sodium than the original version of the same brand label. There is no standard amount of sodium with “reduced sodium.” This

means some “reduced sodium” cans could have higher amounts of sodium than the regular version of other brands.

Sugars – Like sodium, sugar is naturally occurring. When people think of sugar, they usually think of table sugar, white and crystal-like. Table sugar is just one form of sugar. Sugar comes in a number of forms. Fruit, honey, and milk all have naturally occurring sugars. Recently there was a lot of attention given to high-fructose corn syrup (HFCS). HFCS is a chemical process to make concentrated sugar. HFCS is found in a number of commercially made sauces, dressings, and even canned foods. It is most commonly found in soda. Like sodium, try to keep from purchasing foods with sugar added and try to avoid products with HFCS in them.

Trans Fat – Trans fats are a form of unsaturated fat. Trans fats raise LDL or the “bad cholesterol” and are linked to a number of health issues. Although most trans fats are created during commercial food processing, some can be found naturally in meat and dairy. To try and avoid trans fats, look for them on the nutrition label. Also, try to avoid products that have been through a process called hydrogenation

Please contact me to schedule an appointment or for more information, contact Tyler Johnson, tajohnson120@ksu.edu, or by calling 620-232-1930.

Boiled Eggs Tips

Hard-boiled eggs have firm whites and yolks while soft-boiled eggs have firm whites but soft yolks.

Place uncooked eggs in a single layer in a pan. Add cold water until the eggs are submerged under about one inch of water. Bring to a full boil, uncovered. Once the eggs start to boil immediately turn off heat, remove from the burner and cover.

Let stand: 3 minutes for very runny soft-boiled eggs with just-set whites; 4 minutes for runny soft-boiled eggs; 6 minutes for creamy “medium”-boiled eggs; 8 minutes for firm (but still creamy) hard-boiled eggs; 10 minutes for firm hard-boiled eggs; 12 minutes for very firm hard-boiled eggs.

After desired amount of time has passed, carefully remove eggs and submerge in an ice bath to halt the cooking process. Cool enough to peel safely.

NOTE: To reduce the risk of illness from bacteria, food safety experts recommend that eggs be cooked until yolks are firm. Where softer yolks are desired, pasteurized eggs may also be used to reduce the risk of illness from bacteria.

If you would like to share your favorite technique of boiling eggs, please submit to: Woman's Page Editor, Grass & Grain, Box 1009, Manhattan, KS 66505; OR e-mail: auctions@agpress.com



By Ashleigh Krispense

MEXICAN FIRECRACKER CASSEROLE

A fun name for a simple dish that is as delicious as it is filling. Top with a little sour cream and some diced onions or tomatoes. 1 pound hamburger, thawed 1/2 onion, diced 1 package taco seasoning 16-ounce can refried beans 4-6 tortillas Sharp cheddar cheese, shredded (or sliced cheese)

Start by browning your hamburger and onions together. Once finished cooking, follow the package instructions and mix in the taco seasoning and water. Simmer as necessary.

Cut two tortillas in half

and lay (cut side facing outward so all corners of the pan have tortilla) in a greased 8-by-8-inch pan.

Spoon 1/3 to 1/2 of the can of beans onto the tortillas (or as much/little as you would like). Top with half of the seasoned meat. Cover with shredded (or sliced) cheese.

Repeat the process until you've used up all of the hamburger/beans.

Place in a 350-degree oven until heated through and bubbly. Approximately 20 minutes.

Serve with sour cream, extra cheese, and diced onions or tomatoes. Enjoy!

Ashleigh is a freelance writer and blogger for her website, Prairie Gal Cookin'. (www.prairiegalcookin.com). She shares everything from step-by-step recipes and easy DIY projects, 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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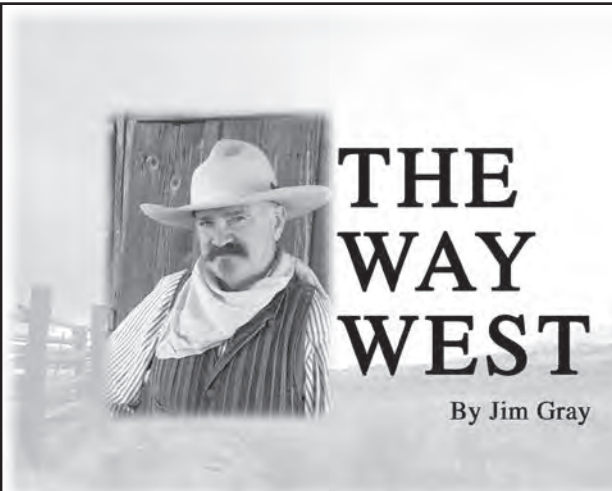
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THE WAY WEST

By Jim Gray

One Last Hurrah

Indianola, Kansas, was one of the first towns founded in the new territory of "Kansas." Travelers had passed by the location on a branch of the California-Oregon Trail for years before the town was platted. A small Pottawatomie village was begun in 1846, being the first sign of an established settlement on the banks of Soldier Creek (northwest of present-day Topeka). When Fort Riley was established in 1853

a military road was constructed through the area connecting the new post with Fort Leavenworth. Seeing the commercial potential of the location, a town company was formed, and lots were offered for sale on June 27, 1855. Business boomed immediately, as long trains of military wagons carried supplies westward for construction of Fort Riley.

Indianola was north of the Kansas River. Papin's

Ferry, southeast of Indianola, provided an important connection to the south side of the river where Topeka had been established a few months earlier than Indianola. Topeka was a Free State town while Indianola's founders were pro-slavery. Consequently, the military favored Indianola, making the town a very active place.

Being so close to one another, one would have expected conflict between the two towns, but they somehow managed to preserve good relations. A local "fight" remembered as "The Battle of Indianola" arose between Indianola townspeople and a militia of abolitionist farmers. The conflict created a minor stir that was really more of a dust-up than a battle.

Out in the country Dr. Jenner and Robert McNown came to blows over the boundary lines that divided their farms. According to a newspaper report "Dr. Jenner emerged from the encounter minus an eye, which had been flicked out by a bullet fired by McNown." McNown was "absolutely fearless." Many years later as a soldier in Company E, 2nd Kansas Volunteers, he was involved in the Battle of the Blue against General

Sterling Price's Confederate forces in Jackson County, Missouri. A story in the November 16, 1901 Topeka State Journal related "that he arranged all of his affairs before he left home on the assumption that he would be killed, and that when he had passed through a part of the fighting unscathed he deliberately rode out between the lines and there found the death which he courted." He is buried in the Topeka Cemetery in a section "reserved for those who paid the ultimate price for freedom."

In another Indianola frontier tale, a stranger dressed in a Union uniform arrived in town in a suspicious manner. He claimed he was a detective, but Dr. Samuel Ashmore suspected that the stranger was a horse thief. To Dr. Ashmore one drink meant "a drunk" and a drunk always carried the requirement to "shoot up" his immediate vicinity. And so it was, no doubt buoyed with a goodly amount of tangle foot, the good doctor volunteered to rid the town of the stranger. Passing by the man standing in a doorway, Dr. Ashmore whipped out a revolver and opened fire! Fortunately for the stranger Ashmore was easily

overpowered, his revolver was confiscated, and he was sent on his way. But that was not the last of Dr. Ashmore's vigilante proceedings. He next "tried his marksmanship" with a shotgun but once again missed. His prowess with weapons left a lot to be desired, but the "detective" took the hint and left town.

Another of Indianola's legendary residents was William Clinton. The story was that his wife was old enough to be his mother, "and by that means had got a good sum of money." They let rooms in their log cabin until the 60x45' hotel was built. An addition of 18x20' gave the hotel an "L" outline. Clinton was also the postmaster. Not long after the hotel was built, he was caught "rifling the mails." Apparently, the hotel business was not profitable enough to keep him honest. Clinton was not immediately locked up and promptly disappeared. "With him went the young handsome Mrs. Deborah Harding, who also left a husband behind."

The hotel passed on to other owners but retained the Clinton Hotel name. Being the most imposing structure in Indianola, town activities tended to revolve around the Clinton

Hotel. The two-story building featured a high attic, used for a Masonic lodge. The main floor featured a barroom, parlor, general store, and a large dining room. The kitchen was in the "L."

Nine very small sleeping rooms were on the second floor. Dances brought merrymakers from miles around to Indianola and its famous hotel, for even though it was built for letting rooms, the true intent for its construction was its commodious dancing hall. The capacity of the sleeping rooms was purposely sacrificed to allow for a twenty-foot-wide hall that extended the entire length of the building.

But Indianola's sun was already low on the horizon. The railroad built to what was to be North Topeka in 1866. The town gradually disappeared, but not before one last Masonic dance was held. Members of the Kansas Legislature in session at the Capitol in Topeka were invited for one last Indianola hurrah 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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Kansas bowhunter takes world-class whitetail

Kansas bowhunter Brian Butcher, 38, harvested a whitetail buck in Chase County last October that he knew was something special. It wasn't until the buck's rack was measured and verified by Boone and Crockett Club certified measurers on Friday, Jan. 3 that Butcher confirmed just how special the deer was. Butcher's whitetail earned an unofficial net non-typical score of 321 3/8 inches.

"When I first saw it, I thought it had some branches or grass tangled up in its antlers," said Butcher. "But when I looked at him with binoculars, I realized it was all antlers."

Butcher released his arrow when the giant buck was just 25 yards from his tree stand and the shot was true. After waiting only five to ten minutes, Butcher tracked the deer to a spot 50 yards away.

"I had the most opposite feeling of 'ground shrinkage' possible," Butcher said of the big whitetail with 67 scorable points. "I



Brian Butcher, center, harvested a world-class whitetail deer in Chase County last October. The deer has a pending net non-typical score of 321 3/8", which if it stands will rank it fourth in the world of non-typical whitetails. *Courtesy photo*

was in complete shock."

After sharing photos of the buck with friend Brian Crowe, the duo got together and attempted to score the deer.

"We added it up five times because it didn't make sense," Butcher laughed. "We had it at 341 inches gross, and 316 inches net."

According to Boone and Crockett guidelines, the rack could not be officially measured until it had dried for at least 60 days. On January 3, Boone and Crockett measurers Marc Murrell, Newton, and Ken Witt, Bursleson, Texas, took

on what would become a nearly five-hour-long task of scoring the deer. Murrell and Witt came up with a pending net non-typical score of 321 3/8 inches.

The score sheet and entry materials on Butcher's buck have been mailed to the Boone and Crockett Club headquarters for verification and acceptance. Because of its high ranking, the rack will be scored again by a panel at the Boone and Crockett Club's next awards ceremony in 2022.

If it stands, Butcher's buck will rank fourth in the world of non-typical

whitetails. Boone and Crockett's top two non-typical whitetails were found dead in Missouri and Ohio and scored 333 7/8 inches and 328 2/8 inches, respectively.

The largest hunter-harvested non-typical whitetail was taken by bowhunter Luke Brewster in Illinois in 2018 and scored 327 7/8 inches.

The current Kansas state record firearm non-typical whitetail was taken in 1987 by Joseph Waters in Shawnee County and scored 280 4/8 inches. The current Kansas state record archery non-typical whitetail was shot by Dale Larson in 1998 in Pottawatomie County and scored 264 1/8 inches.

For more on Kansas big game records, visit [//ksoutdoors.com/Hunting/What-to-Hunt](http://ksoutdoors.com/Hunting/What-to-Hunt).

For more on the Boone and Crockett Club, visit [//www.boone-crockett.org/](http://www.boone-crockett.org/).

Old Stage Angus joins membership of American Angus Association

Old Stage Angus, Manhattan, is a new member of the American Angus Association®, reports Mark McCully, CEO of the national breed organization headquartered in Saint Joseph, Mo.

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The Association records ancestral information and keeps production records and genomic data on individual animals to develop industry-leading selection tools for its members. The programs and services of the Association and its entities — Angus Genetics Inc., Angus Productions Inc., Certified Angus Beef LLC and the Angus Foundation — help members to advance the beef cattle business by selecting the best animals for their herds and marketing quality genetics for the beef cattle industry and quality beef for consumers.

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From aerial crop-monitoring drones to driverless tractors, the present and future of Kansas agriculture takes center stage at the Kansas Agricultural Technologies Conference Jan. 16-17 at the Geary County Convention Center, 310 Hammons Dr., in Junction City.

The conference is sponsored by the Kansas Ag Research & Technology Association (KARTA) and

K-State Research and Extension.

KARTA designs the annual conference to be a thought-provoking forum for the exchange of information about new and old technologies with a focus on supporting scientifically valid on-farm research efforts and increasing overall farm business profitability.

On-site registration begins at 8 a.m. on Thursday, Jan. 16, with the opening session featuring a look at how a growing farming operation in Kansas is getting, managing, and using data.

Among other session topics are:

On-Farm Use of AI and Machine Learning, pre-

sented by Andrew Nelson, a farmer and Microsoft engineer

Advanced Planter Technologies for On-Farm Research, Wes Porter, University of Georgia.

A 5 p.m. social hour and poster session will be followed by dinner at 6 p.m. Following the dinner will be a 7 p.m. keynote titled "Will Technology Transform Business Models? - Farming as a Service," presented by Craig Rupp of Sabanto Ag. The evening session a lively interactive discussion between the presenter and attendees.

The second day's featured presentations include:

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A "rapid-fire" session of Precision Ag Research Updates from KSU faculty

Throughout the conference, KARTA members will make presentations on research conducted on their farms with financial help from KARTA. Presenters will show their peers how to put technology to work collecting and analyzing data in ways that can benefit their farm operations. Ample time will be available to question speakers, visit with vendors and share with

other conference participants.

Among the research conducted last year and eligible to be featured in presentations are:

Interseeding Red Clover in Wheat

The Lasting Impact of Wheat Streak Mosaic Virus

Grain Sorghum Row Spacing

Irrigation Innovation Corn/Soybean Strip Planting

Soybean Yield x Seeding Rate x Planting Date

Using Imagery for Nitrogen Management

Fungicide on Soybeans

Wheat Seeding Rates

Wheat after Soybeans - to PGR or not

Phosphorus on Soy-

beans

The annual KARTA business meeting also will take place during the conference.

Admission for both days costs \$325 and includes meals and refreshments. Ag students at any Kansas post-secondary school are eligible for a reduced rate of \$75 per day.

Funds raised through registration fees will be used to provide 2020 research grants and technology workshops that are held in various locations across the state.

To register online or download a printable schedule and registration form, visit: www.karta-online.org/events.

Registration open for cover crops conference

Registration is open for the Midwest Cover Crops Council annual conference, Feb. 11-12 in Kansas City, Mo.

The event will be at the KCI Expo Center, says Charles Ellis, University of Missouri Extension field specialist in agricultural engineering. Ellis also serves on the MCCC board

of directors. Twelve states and one Canadian province belong to the council.

Ellis says the conference will have sessions on both row crop and cattle operations due to the large number of producers in the Kansas City area producing both grain and livestock.

Speakers include fac-

ulty from MU, University of Nebraska and Kansas State University, as well as cattle producers and representatives from cattle companies and the USDA Natural Resources Conservation Service. Sessions include:

- Selecting and managing cover crops.
- Weed and herbicide

interactions using cover crops.

- Incorporating cover crops in cattle operations.
- Cover crop environmental and economic benefits.

- Cash crop interactions with cover crops.
- Farmer panel discussion.

Sessions will look at

using cover crops in row crop production, livestock and grazing, as well as environmental and economic issues. Details are available at mccc.msu.edu/about/meetings. The meeting is open to the public.

Register online at event.me/E5WdBD or mccc.msu.edu/about/meet-

ings.

Learn more about MCCC and cover crops at mccc.msu.edu.

Event sponsors include MU Extension, K-State Research and Extension, University of Nebraska Extension and USDA Natural Resources Conservation Service.

Quality control: rural water wells in High Plains Aquifer show large increase in nitrate levels

Kansas private well owners should test water quality annually, according to a recent Kansas State University study that revealed nitrate levels in shallow wells above U.S. Environment Protection Act standards.

"The changes we measured in the Great Bend Prairie Aquifer appear to be large relative to changes observed in a national study by the U.S. Geological Survey," said Matthew Kirk, Kansas State University associate professor of geology and the study's principal investigator.

The Great Bend Prairie Aquifer, a part of High Plains Aquifer, was the focus of a 40-year comparison study of rural water wells recently published in the Hydrogeology Journal. Kirk and Alexandria "Allie" Richard Lane, Kansas State University 2018 master's degree graduate in geology, published the study along with Donald Whittemore, Kansas Geological Survey; Randy Stotler, University of Kansas Department of Geology; and John Hildebrand and Orrin Feril, both with Big Bend Groundwater Management District No. 5.

"The Great Bend Prairie Aquifer is very vulnerable to contamination and if rural well owners don't know there is a problem, they obviously can't do anything about it," Kirk said. "Municipalities are required to test and provide safe drinking water for city residents but private rural well owners should take responsibility to test their wells at least every year."

According to Lane, who now works for the Kansas Department of Health and Environment, there are many kits that can be purchased online for under \$40 that test for bacteria, pesticides, lead, copper, iron, nitrate and water hardness in water wells.

"Those kits are good to use for basic readings and if anything is concerning, then residents can send a

sample to a lab for further testing," Lane said. "At KDHE, we try to inform private water well communities that it's important to test their wells annually."

Kirk and Lane's 2016 study measured water chemistries and compared them with 1970s measurements at the same sites. Twenty of 21 wells had increases of nitrate concentrations, or NO₃-, compared to the 1970s samples. Seven wells exceeded the nitrate concentrations allowed by the EPA standard for drinking water. In the 1970s study, only one of the wells was above the current EPA standard.

"There hasn't been as much work on water quality as water quantity in the High Plains Aquifer," Kirk said. "Groundwater storage in the Great Bend Prairie Aquifer is relatively stable, but if the water is there and the quality degrades, that's also bad."

According to Kirk, high nitrate levels in drinking water can cause human and livestock health issues by interfering with transport of oxygen by blood and possibly causing a higher risk of cancer. Too much nitrate in groundwater can also stimulate a release of uranium and selenium from the sediment into the water. While water quantity may be a top concern for many rural areas currently, Kirk said water quality issues may soon rise to the top of the list of rural water problems.

"Other parts of the High Plains Aquifer are most likely going to see changes too but it's just taking it longer to show up because of transport time between the surface and the water table," Kirk said.

That transport time is fairly quick in the study area since the soil is sandy and the water table is closer to the surface, Kirk said. In addition, the aquifer and sandy soil are not ideal living environments for the microbes that help clean the water by consuming nitrate.

"Groundwater in the

Great Bend Prairie Aquifer often has oxygen and where that is the case, micro-organisms typically respire the oxygen instead of nitrate," Kirk said.

According to the study results, the wells with the highest contamination were those in fields used for crops, and the isotopic evidence — like a chemical signature — show that the nitrate in the aquifer is from fertilizer. Kirk said that fertilizers help farmers increase crop yields but excess fertilizer can contaminate water supplies.

"I don't know what the future looks like or how we balance these issues — growing food for the world and maintaining health of natural resources to grow that food — but we need to find ways to slow down nitrate accumulation and better manage nitrate into the future," Kirk said.

Kirk advocates for precision agriculture to apply fertilizer and planting cover crops — which use excess nitrate in the soil when planted in between the harvest of one food crop and the planting of the next. Kirk said these two practices help reduce runoff of excess fertilizer and are becoming more common with irrigated agriculture in the region. He also said that more studies are needed to evaluate if the drastic increase between the two time periods of the study is leveling off or if it has just ramped up in recent years.

"We need more data about the seasonal variation in nitrate levels and multiple years of data to really understand the trend of the increase," Kirk said. "We also hope to

sample additional wells to evaluate change over more of the aquifer. We wanted to document this finding and try to spread the word because, at the end in the day, it's a big increase of nitrate and could affect people's health."

Support for the study was provided by a graduate student research grant from the Geological Society of America, the Kansas State University Department of Geology and the National Science Foundation.



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Fourteenth class of Young Stockmen graduate at KLA Convention

The 14th class of the Kansas Livestock Association (KLA) Young Stockmen's Academy (YSA) graduated last month at the close of the KLA Convention. Merck Animal Health again partnered with KLA to host 20 members for a series of four seminars throughout 2019. This class brings the total number of YSA alumni to 280.

Attending the KLA Convention was the final session for this year's class. The three-day event provided participants the opportunity to gain additional industry knowledge and interact with other KLA members from across the state. YSA members got a firsthand look at the inner workings of the association by attending the KLA Chairmen's Circle meeting. The group also participated in the policy-making process by attending committee and council meetings where members discussed issues affecting their business interests, including labeling of meat



Members of the 2019 YSA class included, back row, from left: Bryce Barnett, Muscotah; Taylor Hughes, Pratt; Evan Woodbury, Quenemo; Reed Koop, Abilene; Clayton Jarnagin, Protection; Garrett McKinney, Walton. Middle row: Socorro Martinez, Liberal; Cami Roth, Sterling; Patrick Turner, Ingalls; Carl Clawson, Ulysses; Thomas Thayer, LaCygne; Dalton Rutledge, Plains; Michaela Peterson, Dodge City. Front row: Clinton Laffin, Russell; Grace Hammer, Sharon Springs; Hannah Brass, Medicine Lodge; Ashley Fitzsimmons, Longmont, Colo.; Jamie Holeman, Bronson; Jessalyn Strahm, Sabetha; and Heather Hill, Satanta.

alternatives, animal disease control, traceability and mandatory price reporting. Immediately prior to the convention, the YSA class participated in an in-depth spokesperson training session with National Cattlemen's Beef Association (NCBA) Senior Director of Organizational Communications Kate Maher. The group also heard from NCBA president Jennifer Houston of Sweetwater, Tenn.

During their first session in Topeka last February, attendees were exposed to advocacy training, the legislative process and services provided by KLA and NCBA. The second installment took the group to Kansas City in May, where they learned about beef marketing and agribusiness. YSA members visited central and western Kansas in September to tour beef and dairy operations representing various segments of each industry.

Members of the 2019 YSA class are Bryce Bar-

nett, Muscotah, Hannah Brass, Medicine Lodge; Carl Clawson, Ulysses; Ashley Fitzsimmons, Pratt; Heather Gibson, Satanta; Grace Hammer, Sharon Springs; Jamie Holeman, Bronson; Taylor Hughes, Pratt; Clayton Jarnagin, Protection; Reed Koop, Abilene; Clinton Laffin, Russell; Socorro Martinez, Liberal; Garrett McKinney, Walton; Michaela Peterson, Dodge City; Cami Roth, Sterling; Dalton Rutledge, Plains; Jessalyn Strahm, Sabetha; Thomas Thayer, LaCygne; Patrick Turner, Ingalls; and Evan Woodbury, Quenemo.

KLA is a trade organization representing the business interests of members at both the state and federal levels. Voluntary dues dollars paid by producers are used for programs that benefit KLA members in the areas of legislative representation, regulatory assistance, legal troubleshooting, communications and the advancement of youth.

Women in Agriculture Series to be held in Clay Center

The Women in Agriculture educational series is open to all ladies involved in agriculture in any way. The program is designed to provide information and training on a wide variety of farm management topics - which are catered directly to farm women. Participants are provided a comfortable environment where they feel free to ask questions and learn critical skills. Women with any level of experience in farm management or with any degree of farm involvement are invited to attend; there is something for everyone to learn. You must sign up to attend the entire Series. Sessions will be held on Thursdays, beginning February 13th, from 5:00 p.m. to 9:00 p.m. at PrairieLand Partners Meeting Room (1181 18th Rd. Clay Center). Topics include:

- Session 1- February 13th: What type of gal are you? (personality profile), Telling Your Ag Story

- Session 2- February 20th: Risk Management, EPD Basics, Livestock Photography
- Session 3- February 27th: Global Ag Economy, Crop Insurance, FSA Programs
- Session 4- March 5th: Quick Books for Farm Record-keeping, Working with your Lender
- Session 5- March 12th: Beef Nutrition, Sheep & Goat Basics
- Session 6- March 19th: Precision Ag/Cover Crops, Marketing/Risk Management, Horticulture Production
- Session 7- March 26th: Developing Equitable Leases, Farm Succession

The last session will also be open for family members of participants to attend at no additional cost. Registration for the Series will continue until a maximum of 25 participants is reached. You must register to reserve

your seat. Please contact any River Valley Extension District office for more information or to register. The Clay Center office can be reached at 785-632-5335.

Sponsors to make this educational series possible include: K-State Research and Extension, Citizens National Bank, AgMark LLC, Kansas Crossroads RC&D, Clay County Farm Bureau, PrairieLand Partners, Farm Bureau Financial Services, Polansky Seed, Union State Bank, Wilbur Ellis, Key Feeds, Salava Vet Clinic, Nutrien Ag Solutions, United Bank & Trust, Gavel Roads Online Auctions, Gene Francis & Associates, GNBank, and Crop Protection Agency. A special thank you goes out to the organizing committee of Rebecca Frerking, Hayley Bulk, Jericho Hammond, Pam Knitter, Katelyn Durst, and Kelsey Hatesohl.

It's hard to imagine a world without wheat

By James Coover, crop production agent, Wildcat Extension District

What's Thanksgiving without stuffing, Christmas without gingerbread, Fourth of July without hamburgers, or birthdays without cake? A world

without wheat looks a lot different when the most iconic of our foods are made from it. As every Kansan knows, we are the breadbasket of the U.S. and produce the most wheat nationwide nearly every year. However, in

recent years we are planting less of our namesake grain (Figure 1). According to Trends in Kansas Crop Planted Acres from K-State's Dr. O'Brian, in 2016 we had the highest bushels per acre record at 57 bushels but still the highest total production hasn't been beat since 1997 with a production of 500 million bushels. In contrast, soybeans and corn total production has nearly doubled on average over the past 20 years.

A lack of good market prices has forced down the acres of wheat planted despite good on average production per acre in recent years, with or without wet falls keeping the wheat from getting in on time. The U.S. exports wheat to a great number of countries including Mexico, Nigeria and most of the Pacific nations. Kansas is also the nation's leading wheat exporter at half of all that we grow.

However, wheat producing countries are just as numerous. Russia has the highest exports but Canada, Australia and many of the countries in the European Union export as well. China and India normally produce the most wheat but eat nearly all that they grow. This is a far difference from soybeans where the U.S., Brazil and Argentina have the exports cornered and China is the main importer at nearly 60 percent of all exports. As a result of this proliferation in the wheat market, wheat is more vulnerable to a market less able to be controlled.

Function of Wheat
While every operation is different, usually wheat isn't necessarily a money losing crop so much as it doesn't make enough to be worth the effort. According to the 2018 KFMA wheat enterprise budget for southeast Kansas, wheat lost \$5.49 per acre. Talk about hobby farming. That isn't really a fair view, as many things such as the land rent, taxes, general farm insurance and equipment interest are all part of the equation and those have to be paid whether wheat is growing or not. The necessity to replace the function of wheat comes down to the loss of revenue as bare fields produce nothing of value and bare fields also risk erosion losses. Erosion is not

even throughout a year. The majority of soil losses occur within two or three hard rains that often come in the mid to late spring time frame when normally wheat protects soil. Therefore, as many farmers use it already, wheat is a cover crop.

Replacement of Wheat
The replacement for wheat needs something that generates at least some revenue and covers the soil during the spring rains. Cover crops fill the role of protecting the soil but they need to make money too. Cover crops can be cheap, diverse and flexible but direct revenue involves cattle as some point.

• Cattle Grazed - The most logical would be cattle grazed cover crops. However, it requires both cattle and fences. Also, even the operations that do have cattle often can't fully utilize all the fields that could be used. It's too much too quickly over a short time frame.

• Silage- Silage of cover crops, including wheat, is rarely done in this part of Kansas but is actually common in some parts of the country. Kansas State University has done research looking at barley silage being comparable to corn silage. Barley, filling grain earlier than wheat, would be a more logical replacement in conjunction with no-till double

cropped soybeans or even corn.

• Baleage- Similar to silage but fitting for a different type of operation and slightly different equipment.

• Haying - Of course, most cover crops can be round baled too. Just remember that removing forage from a field in haying or silage takes a lot of nutrients with it, especially potassium.

The only suitable grain crop to replace wheat is canola. But its main complication is a hard one to overcome, there is nowhere nearby to take it. Although it might not seem like it, alfalfa can also be considered a wheat replacement. Alfalfa acts as a semi-permeant cover crop as far as soil conservation goes, and according to KFMA data, one of the most profitable crops that can be grown, if you have the time and market for it.

Despite the reduction of wheat fields in Kansas, we are still not likely to lose our "Wheat State" title to North Dakota any time soon. Still, wheat serves financial and ecological functions that requires certain adjustments if its acreage needs to be reduced in a farming operation.

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

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Documentary released on high school registered Angus operation

A forgotten town finds hope in a young cowboy and his class of high school ag students. Defying the odds, they become one of the first student-led cattle companies in the nation. The newest American Angus Association® documentary features the Wildorado Cattle Company of Wildorado, Texas. Wildorado, an I Am Angus® documentary, premiered on RFD-TV and the Angus TV YouTube Channel on Dec. 26, 2019.

"Wildorado is a small town in the Texas panhandle, and it's just got an amazing story that's all centered around registered Angus cattle," said Josh Comminellis, American Angus Association video production director, who directed the film. "The ag teacher, Cody Joe Bonds, and the students have put so much into the cattle company and are changing the future of the town of Wildorado."

Like many rural towns across America, economic times and the agricultural lifestyle can be hard on residents and, in turn, the schools and students. The documentary sets the stage with high odds facing the town of Wildorado. The school board passes a bond and builds a school, where they will hang their hat on an excellent agricultural program. Cody Joe Bonds comes on board to head up the Wildorado FFA, and he brings an innovative approach to the program.

Started in the fall of 2017, the Wildorado Cattle Company is born out of an innovative high school ag teacher and his ambitious students. This high school student-ran cattle company is one of the first in the nation and happens to be a registered Angus operation. The film shows their first bull sale in March of 2019 and the enormous impact this band of high school students and their relentless spirit have on their small Texas town.

"It's just an incredible and inspirational story, and we're so excited to tell it," Comminellis said.

For more information and to watch the film, visit Angus.org/Wildorado, or contact the American Angus Association communications team at 816-383-5100. Subscribe to the Youtube channel Angus TV for updates on new content.



by Deb Goodrich

I am watching *The Waltons* on television. I was a kid in southwestern Virginia when the Waltons made its television debut. We were so very proud that our region of the world was on the map once again (We had already been made famous by the Andy Griffith Show, living only eight miles from Andy's hometown of Mount Airy, North Carolina. We were in Virginia, though, and went to school in Virginia, paid taxes in Virginia, and when a Virginia storyteller shared our mountain ways with the world, we were rightfully proud. I especially related to John Boy, because I wanted to be a writer).

Over the years, I have appreciated the talents of writer Earl Hamner. His episodes of the *Twilight Zone* are the best of that show. He took the beliefs and superstitions and quaint ways of the mountain folk and wove them into powerful stories.

On this particular episode of *The Waltons*, Grandpa Walton had a spasm in his chest as a star fell. He believed it was a sign of his demise. He took to his bed, calmly awaiting death.

Mountain folks found signs in the stars, in the trees, in the patterns of

smoke and behavior of birds. They were people close to the earth, close to their ancestors, and apart from the rest of the world.

I am grateful for those roots.

When I moved to Kansas, I could hardly wait to visit that iconic Kansas town, Dodge City, *Guns* having dominated my childhood even more than *The Waltons*. Marshal Matt Dillon loomed large in my mind and still does.

One of the ironies of that show was the folks most like those from my gene pool in the Appalachians were the Haggens. When Festus and his family members appeared on the show, we laughed heartily because we recognized mountain folk we knew. Perhaps they lived a little farther back in the mountains than we did, and perhaps they were a little more unsophisticated than we considered ourselves to be, but there we were. On the *Andy Griffith Show*, on the *Waltons*, and as the comic relief in *Guns*.

Coming to terms with who you are and how people perceive you is a lifelong journey. Having that identity reinforced and reflected on the television screen illuminates and

compounds, stirs pride and embarrassment.

On this particular episode of *The Waltons*, the falling star landed in the very room where the Baldwin Sisters made their recipe, narrowly missing their daddy's still.

An unscrupulous cousin of the Baldwins connived to read into this occurrence that he should dismantle the still (he planned to use it for his own ill-gotten gains). As it happens, John Walton's wisdom won the day and he convinced his father that the falling star had not heralded his death and that he must leave his bed to save the Baldwins' still.

It was indeed motivation for this man of the mountains who believed in the signs but appreciated fine whiskey even more. It reminded me of the episodes of *Guns* where the Haggens' own superstitions had led them down a winding path only to have the Marshal's practicality win the day.

Look for some profound lesson in these old shows, but perhaps there is none, and it is of no matter. The constant for me, however – the constant for the kid who related so the young man from the mountains who longed to be a writer – the constant is the quality of writing and the understanding of human nature whether those humans be hillbillies or plainsmen. It was truly the golden age of television and I am grateful for that, too.

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

Farmers need to maintain their health as well as their equipment

Farmers know that well-maintained equipment is key to success.

Yet they often do not listen to the "check engine" warning signs of stress, says Sean Brotherson, family science specialist for North Dakota State University. Brotherson was the keynote speaker at the recent University of Missouri Crop Management Conference.

"Ag has its own rhythms. It has its own culture," Brotherson said. When those rhythms go awry, stress can result.

"Health is the most important asset to any operation. If it is the most important asset, it also needs to be the most important priority," he said.

Many sources of stress, such as weather and prices, are beyond the control of farmers. "You are at the mercy of things," Brotherson said.

Research from the U.S. Occupational Safety and Health Administration ranks farming as one of the top ten stressful occupations. The U.S. Centers for Disease Control and Prevention reports that the suicide rate for farmers is 1.5 times the national average.

MU Extension farm health and safety specialist Karen Funkenbusch

said that in 2019 farmers faced flood, rains, late planting and uncertainty about commodity prices. Issues beyond a farmer's control can weigh heavily and lead to depression, anxiety and suicide even in a typical farm season, Funkenbusch said. Debt, illness and injury also add to pressures.

"Farmers, because of their strong and independent nature, often are reluctant to talk about these issues," she said. "Fortunately, resources are available. If you need help or know of someone who needs help, reach out."

Funkenbusch leads the Missouri AgrAbility Project, an MU Extension program that works with partner organizations to provide practical education and direct assistance that promotes rural independence.

Funkenbusch offers these suggestions for farmers, ranchers and their families:

- Know the warning signs of stress. Physical signs include headaches, aches of the back and neck muscles, fatigue, labored breathing, weight gain, rising blood pressure, sweating, stomach issues, and sweating. Emotional signs include anger, restlessness, irritability, in-

ability to sleep and relax, increased alcohol or drug use, and withdrawal from other people.

- Slow down.
- Get a physical check-up.
- Seek local resources, including clergy and medical professionals. Talk with other farm families and neighbors.
- Exercise daily. Take regular breaks throughout the day.

Additional resources:

- Missouri AgrAbility Project, AgrAbility.missouri.edu.
- MU Extension Show Me Strong Farm Families, on Facebook at [ShowMe-StrongFarmFamilies](https://www.facebook.com/ShowMe-StrongFarmFamilies).
- MU Extension Mental Health First Aid classes help people learn to identify, understand and respond to signs of mental illnesses and substance use disorders in communities. Visit extension.missouri.edu/hes/families.
- Farm and Ranch Stress, North Dakota State University, www.ag.ndsu.edu/farmranchstress.
- National Suicide Prevention Lifeline, 1-800-273-8255.

Contact Funkenbusch at FunkenbuschK@missouri.edu or AgAbility@missouri.edu.

PorkBridge educational series for 2020 begins Feb. 6

Since 2005, PorkBridge has provided relevant and timely information to grow/finish swine producers and other industry professionals across the U.S. and around the world through a unique, low-tech delivery method, according to Iowa State University, one of the institutions coordinating the program.

The 2020 program year series begins on Feb. 6 and continues on an every-other-month schedule for six total sessions, Iowa State said.

The program is a source of relevant and accurate information for those who own, manage or work in swine grow/finish facilities, according to Iowa State University animal science professor and Extension swine specialist Ken Stalder, who is the Iowa contact for PorkBridge.

PorkBridge provides an interactive teleconference with electronic materials and live presentations. About a week before each session, subscribers will receive a web link to download the session's presentation and any additional information provided by the presenter. Participants call in for the audio portion of each session and follow along with their own copy of the presenta-

tion on their computer or other device.

"Producers and others in the industry can get the information they need without the hassle of traveling or giving up an entire day to attend a meeting," Stalder said. "PorkBridge participants can take part at home, in an office or in the swine unit – wherever it works best for them – and everyone can listen later to the audio we record of each live session."

Sessions are scheduled for the first Thursday of each designated month but occasionally are moved a week to avoid interference with national industry events or holidays. Each session begins at 11:30 a.m. (Central) and lasts approximately 45 minutes.

The price remains at \$100 for the entire series, and as in the past, each subsequent registration from the same entity is half that amount. Each registration provides access to one phone line per session and all program materials for each registration, including audio recordings of the live session, Stalder said.

The registration form and payment must be received by Jan. 15 to assure receipt of program materials in time for the first session on Feb. 6. The pro-

gram brochure has details and the registration form.

Session dates, speakers and their industry affiliations and topics are as follows:

Feb. 6 — Pam Zaabel, Iowa State University, "African Swine Fever & Secure Pork Supply."

April 2 — Steve Moeller, The Ohio State University, "Maintenance of Euthanasia Equipment."

May 28 — Matt Ritter, Provimi US, "In-barn Impacts on Meat Quality."

Aug. 6 — Yuzhi Li, University of Minnesota, "Tail, Ear & Flank Biting: Reasons Why & How to Address."

Oct. 1 — Jose Ramirez, Viroz Animal Health, "Proper Application of Disinfectants."

Dec. 3 — Andy Brudtkuhl, National Pork Board, "Precision Technologies for Commercial Swine Production."

PorkBridge is a joint effort of swine faculty and staff from the University of Minnesota, Iowa State, University of Nebraska-Lincoln, South Dakota State University, The Ohio State University, Purdue University, University of Illinois, Kansas State University, Michigan State University, University of Missouri and North Carolina State University.

Top food news stories ranked

A social media-led story ranked as the top food story for 2019, according to a Hunter Annual Food News Study. The announcement of Popeyes first-ever fried chicken sandwich broke on Twitter as people took to the social platform to share their experience.

The social frenzy prompted a chicken sandwich shortage at Popeyes. The food chain took advantage of the national attention by announcing a forthcoming restock of the sandwich, keeping the brand top of mind with consumers and media alike.

The number two spot goes to Blue Bell Ice Cream after a video of a woman eating the product went viral and was viewed over 13 million times.

The Keto Diet secured the number three spot with nearly one-third of respondents selecting that topic as most memorable, followed closely by a chicken recall at number four.

Here are the top 10 food news stories of 2019 according to the survey:

1. Fast Food Chicken Sandwich Throwdown on Twitter
2. Video of Woman Lick-

ing Blue Bell Ice Cream Goes Viral

3. The Keto Diet Gains in Popularity
4. Thousands of Pounds of Chicken Recalled
5. The Downside of Ditching Plastic Straws
6. The Impact of Tariffs on Food Items
7. Farmers Face Big Losses and Poor Crops After Devastating Flooding
8. Ban to End Sales of Plastic Water Bottles Gains Momentum
9. Styrofoam Food Container Ban
10. The Rise of Hard Seltzer

periment Field west of Topeka. Two years (2018/2019) of results both suggested that April and early – mid-May plantings maximized yield over later plantings.

For a full summary of the 2018 trials, see Kansas Field Research 2019 available online at: <https://newspriairess.org/cgi/viewcontent.cgi?article=7774&context=kaesrr> or request a copy of the results from your local District Office. 2019 results will be posted later this spring.

Effect of late planting dates on corn yield

By David G. Hallauer, Meadowlark District Extension agent, crops & soils/horticulture

2019 didn't provide ideal planting conditions for many producers, pushing planting dates later into the 'ideal planting window' than we typically like. The results were a mixed bag.

Late planting is a consideration, however, for producers looking at alternative strategies for dealing with high heat and often limited moisture during the critical pollination to early grain fill growth stage. Dr. Kraig Roozeboom and Dr. Eric Adee recently finished

year two of trials comparing planting dates, with mixed results.

At the dryland site in Ottawa, both years showed yields maximized by April plantings, with May plantings more variable and typically lower. Later May and early June plantings, however, yielded similarly to the April plantings. The take home message: in situations where water is a limiting yield factor, delayed planting may have some value if it keeps corn from being at sensitive growth stages during hot/dry weather.

Water was not the limiting factor at the irrigated Kansas River Valley Ex-

periment Field west of Topeka. Two years (2018/2019) of results both suggested that April and early – mid-May plantings maximized yield over later plantings.

For a full summary of the 2018 trials, see Kansas Field Research 2019 available online at: <https://newspriairess.org/cgi/viewcontent.cgi?article=7774&context=kaesrr> or request a copy of the results from your local District Office. 2019 results will be posted later this spring.



AUCTION SATURDAY, JANUARY 18, 2020 — 10:30 AM

CITIZEN POTTAWATOMI COMMUNITY BUILDING, 806 NISHNABE TRAIL ROSSVILLE, KANSAS

Fancy Oak parlor table; very old music cabinet; pressed back sewing rocker; Oak quarter sawn cabinet; old porcelain Frigidaire refrigerator; custom firewood cabinet on castors; refinished school desk; 1950's Motorola TV; child's desk; Walnut quilt rack; Oak rocker; train passenger car carved fret work; Walnut framed mirror; flute in leather case; Woodstock manual typewriter; pea-nut machine; 2 fluted old gas station lights; old clocks, Coke, KTOP, Hasting Pistons; Casite thermometer; antique kitchen clock; antique alarm clock; 2 pen & ink pictures; Oak Rugger Eagle; old door knobs & plates; slag type light shade.

SPORTS ITEMS: 37 8"x10" MOSTLY HALL OF FAME AUTOGRAPHED BASEBALL PICTURES; 1950's & 1960's Baseball cards; Football game; Yankee Stadium build it yourself kit; autographed baseballs; full sheet 1981 golf cards; Rockum Sockum robot game; Sports Pennants; variety Sports items; **Collection of approximately 160 Farm Toys** most in original boxes, 5 Bronze JD Dealer

16th tractors; 4 JD Precision 1/16 tractor; JD Collector Series; other JD, IH, AC, Oliver, Massey & other tractors; 5488 IH tractor; 5 JD #97 race cars & paraphernalia; 5 JD Airplanes; many other (some pictures on website); Many Hesston & JD belt buckles.

Winchester model 12 shotgun, 26" improved cylinder; 2 handmade model 1890 Winchester rifles (very nice); 3 foam lined cases; 2 Perazzi shotgun stocks; shotgun choke inserts; box pistol grips; 11 hand carved knives; 7 Oak & Walnut carved boxes (Ruger, Colt etc); handmade wooden Wildlife screen; 13 hand carved engraved gourds & plates; child's ironing board; Coke bottle display; pictures; dart board; old fan belt gauge.

2 old Roulette wheels; Winchester & Colt mirrors; Big 8-Big 12 picture; 7 barnwood framed legendary Buck pictures; large frame mirror; large framed Moose picture; ship clock; Colt clock for pistol case; Winchester & Pepsi signs; lighters; keys; new pocket watch; new AMF's cassette player; 1970's calen-

dars; ink lettering set; Tonka truck & jeep; old copper lamps; Farm Scene print blocks; 1970's & 1980's cartoon glasses; 45 handpainted & collector plates; Burl framed mirror; 50pcs clear glassware & stemware; 130pcs Golden Wheat pattern dishes; partial set Taihei dishes; 10 Hummel plates; 7 wheat pattern glasses; 58pcs Mikado rose pattern dishes; Kayson silver Rhythm (wheat) dishes; 7 Avon farm plates; sheet 13-cent stamps; vintage lights & glass shades; Many Life magazines; old pop bottles.

4 Bonspeed wheels-2 Aze-nis Falken FK453, 285/30ZR 20 tires(very good); Sears 80" band saw (good); 6" Rockwell jointer; 2 stack toolbox; Machinist tool chest & tools; 24", 32" & 36" doors (never installed); 12 new old stock oil filters; 5 gallon fuel cans; 15 gallon sprayer & brackets for mower; 5 Redwood saddle racks; new halogen shop lights; timing light; 1/2" drill; tool belts; miter box; BBQ tools; 2 sizes old glass blocks; ceiling fan; brass chandelier; **lots & lots more quality items, this is a partial list.**

table lamps; LP's, 78's, 45's & children's records; old board games; Agatha Christie & children's books; Encyclopedias; glasses; sherbets; cake covers; mugs; stemware; straw holder; car radio; luggage; canners & canning supplies; ice cream freezers; baskets; candles; Tupperware; adding machine; VHS tapes; CD's; sewing patterns & supplies; craft supplies; Holiday décor; rugs; blankets; bath sets; bedding; linen; old perm rods & curlers; 2 crocks; stoneware bowl; 2 spool candleholders; lots costume jewelry; Sears 8-track, radio, turntable & cassette; Earnhardt Nascar collectibles; Wizard of Oz collection including Dorothy Barbie dolls & various collectibles; Pepsi collectibles; tool cabinet; tools; milk cans; Hula lamp; Coca-Cola dispenser; Skipper & Barbie dolls & cas-

es; Urkle talking doll; Nylint fire truck; 150 plus Hotwheels, majority in original package; Hot-wheel posters; Bobble heads; Rosie doll; Foggy River Boys autographed album; large & small Nascars; many other small cars; 15 Star Trek pieces; Star Wars; Starting lineup figures; 10 metal lunch boxes; APPROXIMATELY 20,000 Sports cards, George Brett Rookie & others, KSU, 1960's graded cards, Chiefs team sets, hockey, football, Basketball, TV show cards, non-Sports cards; Sports photos-Impossible to list all cards-you won't be disappointed! Brett & Mayberry glasses; 4 vintage Field Hockey sticks; Racing collectibles; World Series & other programs; Wax boxes; KSU & Oklahoma media guides; Gold Wheaties cards; autographed balls; **many, many more items.**

NOTE: Many fun, interesting & quality items. PICTURES on website.
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AUCTION SATURDAY, JANUARY 25, 2020 — 11:00 AM

1930 Judson — MANHATTAN, KANSAS

REAL ESTATE SELLS APPROX. 12:00 NOON

This very nice brick home has 4 bedrooms, 2 baths, living room, family room, kitchen & utility room. The home has a large family room (18X22) with fireplace on main floor. The home has approximately 1,445 sq. ft. on main floor and a partially finished basement (approximately 1,000 sq. ft.). There is an attached car port and off street parking. Larger yard with utility building. The Oak floors, fireplace, main floor family room makes this home one of the larger in the neighborhood and a must see home! Buyer to pay 10% down

Frigidaire side-by-side refrigerator; Kenmore electric range; Kenmore washer & dryer; upright deep freezer; round Oak dining table; couch, loveseat, chair (blue); Lane rocker recliner; 2 tan swivel rockers; black/chrome table; 5-drawer Oak chest-of-drawers; 1950's red chrome oval kitchen table; oak double bed; 4-drawer chest with mirror; blonde desk & chair; shelf unit; dropleaf stand table; Singer sewing machine & case; bookshelf; wicker & metal stand; child's chair; wooden chairs; wooden rocking horse; school desk; floor lamps; card table; metal shelves.

Oak wall phone; **very unique vintage gas station Eco model 97 tireflator;** set of 15 Corvette belt buckles; chicken candy container; oval mirror; beer pitcher; bowls; sugar shaker; Apple sugar, salt & pepper;

day of Auction with balance due on or before February 27, 2020. Taxes prorated to closing. All inspections including lead base paint inspection to be completed prior to Auction at Buyer's expense if requested. **OPEN HOUSE January 15, 2020, 4-5:30PM or by appointment by contacting Vern Gannon Broker/Auctioneer 785-770-0066 or Gannon Real Estate & Auctions 785-539-2316. STATEMENTS MADE DAY OF AUCTION TAKES PRECEDENCE OVER ANY OTHER INFORMATION.**

SHARON HUNTER
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American Gelbvieh Association elects Board of Directors

Members of the American Gelbvieh Association (AGA) elected five candidates to the board of directors at the annual membership meeting held December 6, 2019, during the 49th Annual AGA National Convention in Billings, Montana.

Newly elected board members are Mark Covington, Montrose, Colorado, and Tom Vehige, Billings, Missouri. Re-elected to serve a second term were John Carrel, Columbus, Montana; Leland Clark, Barnard; and Klint Sickler, Gladstone, North Dakota.

The AGA Board of Directors also elected individuals to serve in leadership positions on the executive committee for 2020. Dan McCarty, Rifle, Colorado, was elected president. Klint Sickler was elected vice president. John Carrel was elected secretary and Derek Martin, Bucklin, was elected treasurer.

Other members of the



The American Gelbvieh Association elected directors and officers for 2020 during its national convention in Billings, Montana. Front row (left to right): Secretary John Carrel, Columbus, Mont.; Treasurer Derek Martin, Bucklin; Vice President Klint Sickler, Gladstone, N.D.; President Dan McCarty, Rifle, Colo.; Executive Director Megan Slater, Lincoln, Neb. Back row (left to right): Lori Maude, Hermosa, S.D.; Leland Clark, Barnard; Mark Covington, Montrose, Colo.; Jeff Loveless, Spanish Fork, Utah; Dustin Aherin, Phillipsburg; Jeff Swanson, Oxford, Neb.; Lowell Rogers, DVM, Seminary, Miss.; Andrea Murray, Kingfisher, Okla. Not pictured are Todd Bickett, DVM, Chickamauga, Ga. and Randy Sienknecht, Gladbrook, Iowa.

board include: Dustin Aherin, Phillipsburg; Todd Bickett, DVM, Chickamauga, Georgia; Jeff Loveless, Spanish Fork, Utah; Lori Maude, Hermosa, South Dakota; Andrea Murray, Kingfisher, Oklahoma; Randy Sienknecht, Gladbrook, Iowa; Jeff Swanson, Oxford, Nebraska; and Lowell Rogers, DVM, Seminary, Mississippi.

Retiring members of the 2019 AGA board of directors were Doug Hughes, Max Meadows, Virginia, and Walter Teeter, Mount Ulla, North Carolina, who served as treasurer for three years. The AGA would like to thank those members for their years of service on the AGA Board of Directors.

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Flint Hills Welding	Alta Vista	785-499-6469
Greg Vering	Marysville	785-562-7164
Midwest Farm & Dairy	Hutchinson	877-221-7221
Tim Deters	Baileyville	785-294-0523

LAND AUCTION

SATURDAY, JANUARY 25, 2020 — 10:00 AM
Linn American Legion — LINN, KANSAS

237.40± ACRES WASHINGTON COUNTY LAND

TRACT 1: Approx. 228.9 acres with 141.17 DCP cropland acres.
TRACT 2: Approx. 8.5 acres, includes a 2-bedroom 1-bath home.
TRACT 3: Tract 3 will be a combination of Tracts 1 & 2.

Property Location: 1271 9th RD, Linn, KS 66953. From Linn: Corner of Osage & 8th Rd (Norms Service Station) go 3 mi. West to Liberty Rd then 1 mi. North to 9th Rd this is the SE corner of the farm. Properties that offer all these qualities located this close to town are RARELY, IF EVER AVAILABLE.

OPEN HOUSE/PROPERTY TOUR: Wed., Jan. 15, 1-3 PM
DIANE BROOKS, SELLERS

See last week's Grass & Grain For Complete Details!
For a VIRTUAL TOUR of this property visit www.MidwestLandandHome.com
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Center for Food Integrity says focus of climate change conversation is about to shift

According to research from the Center for Food Integrity (CFI), some 52.2 million Americans are engaged in the climate change conversation, and most are involved in the debate as to whether it exists. However, CFI says the focus of the conversation will shift dramatically in the next two years, toward causes and solutions.

The climate change debate is expected to grow 3.6% in the next two years. However, the conversation on causes is expected to increase 260% and solutions 202%, the group's online market research suggests.

CFI used a research tool that analyzes millions of conversations online in real time. Discussions involving animal protein center on a link to greenhouse gas emissions from livestock production rather than animal protein consumption, CFI said.

CFI represents farmers and ranchers, food processors and other companies, universities, non-governmental organizations, restaurants and retailers. The predicted shift in conversation to causes and solutions, and focus on science and innovation, provides an opportunity for the food industry to communicate its successes and its commitment to addressing climate change via technology, the organization said.

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New Flint Hills Discovery Center exhibit challenges guests to Brave the Maze

The Flint Hills Discovery Center (FHDC) invites the community to visit its newest temporary exhibit, American Adventure. Visitors will go on an immersive, role-play adventure that asks people to conquer one great challenge: survive the year as one of the original colonists.

This exhibit will be on display from Saturday, January 25 through Sunday, May 10.

In 1607, settlers landed on the shores of American and called it home, creating the first permanent European settlement. Little did the colonists know

that less than half of them would survive the year in this new wilderness. Take on the life of a colonist in American Adventure by winding your way through a 2,500-square-foot maze! Only 38 of the 104 colonists survived. But don't worry, you're not tied to their destiny. The choices you make will determine your fate and if you're lucky, you just might survive the year.

This engaging, hands-on educational adventure is designed for children, families and school groups. It features a zip line, rock climbing wall and more!

The FHDC will offer public programs throughout the duration of the exhibit, including: Tallgrass Tour Buses, Walk & Talks and more.

For more details, visit www.flinthillsdiscovery.org/adventure, call 785-587-2726 or visit 315 S. 3rd St. in Manhattan.

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ESTATE AUCTION #5

SATURDAY, JANUARY 25, 2020 — 9:30 AM
2110 Harper Dg. Fairgrounds — LAWRENCE, KS

SNOW BLOWER, LAWN MOWER
Ariens Sno-Tek Snow Blower 24" w/Snow Shield electric/hand start LIKE NEW; Craftsman LT2500 Riding Mower 22 hp., hydrostatic, 46" deck.

VINTAGE FURNITURE
Elephant Coffee/End Table; Marble-Top Ornate Parlor Table; Oval Entry Table; glass ball footed end table; claw foot piano stool; several Vintage Metal Ornate Plant Stand/Baker Racks (RARE!); cast-iron Corner Vanity Sink; Smoke & Ashtray Stands (wooden/cast iron); Hoosier Cabinet Flour Bins; wooden chairs of all styles; wooden doors/screens; fireplace screens; ice cream chairs; many pictures/frames; unique lamp stands.

COLLECTIBLES, GLASSWARE & MISC.
Ornate #625L Cole's Air-Tight Wood Stove; IDEAL #180 Cast-Iron Stove; 1927 Theatre Seat w/Sunflower Sides; 16" Dinner Bell w/yoke; Barteldes Wooden Seed Bin; Dg. County Law KS Farmers Union Bank coin bank; Anderson Co. Mercantile/Hardware 5 lb. Scale; Cupp Arrow & Brown's Mule Tobacco Cutters; Metal Art Peacock set; Paper Mache Pumpkin; 1931 Ford Model T set 4 wheels/tailgate/headlight assembly; Pennvein (Hudson) oil can & others; Bevo Beverage/Pepsi/Coca-Cola trays; The Home of Falstaff 24" round sign; Budweiser On Draught lighted sign; Lone Star Beer light sign; Metz Bottled Beer wooden box; Farris wooden sign w/camel brackets; JD Plow ruler; Conkey Feeds hand fans; Ford/Pepsi/Texaco/Gulf/Mustang/Mopar/STP tin/porcelain signs; #55 HOWATT Hi-Speed fishing bow (Rare!); minnow traps; wooden lures; dip nets; reloader; wall hanger double barrel; vintage shot guns shells/paper boxes; Firken wooden buckets; **Crockery:** Red Wing Bee Hive #3, 2 gallon w/lid & handle (unusual), Wesson Oil blue band, #3 Red Wing Butter Churn, Whiskey Jugs, salt & butter, dough bowls; Jenny Wren biscuit cutters; Biscuit Glass jar; Butter Churn tops; coffee mills; #66 lamb mold; enamelware & cast-iron; Fiesta Lamp; Lladro figurines; Weller/Hull/McCoy/Shawnee Pottery; Carnival/Green Depression/Fenton/Red Poppy Hall, etc.; aluminum ware; Hen Nests; Cookie Jars; S/PS; chalk Bull Dog; Boston Cocoa amber jar; Nesbitts pink Depression glass stand; Smith Drug St. Joe glass jar; 100s of Kitchen Primitives; vintage Bird Cages/Stands; Queen mini-cast stove w/box; 1954 Dale Stark Locker Plant Perry, KS silhouette mirror; Ed Parsons Law, KS 725 Mass picture; Stitchwell cast mini sewing machine; Happi Time wooden sled; **Toys:** Marx Motor Market truck, Haji Horse/Cowboy wind-up, Polar refrigerator, Little Chef Stove, Modern Miss Washing Machine, Walt Disney tinker bells, Amso metal doll bed, Hy-Speed wagon, RR Signal Lantern; **Lanterns:** Dressel/#1 Rich Gun Little Air Pilot/#1 Little Defiance/Dietz Bell; advertising feed sacks; Little Monarch washboard; wash tubs; purses/jewelry; perfume bottles; umbrellas; red/green porcelain light bases; Hansen Dairy scale; 7/8 anvil hardy; JC Saunders anvil chisel; cast-iron round grate; claw feet set; wall brackets/hardware of all sorts!; pocket knives; broad axe; primitive hand tools; box lot items; **numerous items too many to mention!**

AUCTION NOTE: This is the 5th Auction from this Estate & MOST ALL Items Came Out of the Red Barn Garage as this Barn has not been touched in 50 Years! They were avid Auction/Garage Sale Goers that bought anything and everything! Many Unusual Collectibles & Primitives that date back to 1900s from Lawrence & Surrounding Areas! DO NOT MISS THIS AUCTION! 100s of UNLISTED ITEMS!

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Grass & Grain Area Auctions and Sales

January 15 — 470 acres m/l of Pratt County, KS farmland selling in 3 tracts held at Pratt for Jereme & Diane House. Auctioneers: Hamm Auction & Real Estate, LLC.

January 18 — Guns, furniture, collectibles, power & hand tools, lawn equipment & miscellaneous held at Effingham for Ellen & the late Jack Hickman and Connie & the late Bob Mullen. Auctioneers: Chew Auction Service.

January 18 — Furniture, collectibles, sports memorabilia, farm toys, Winchester Model 12 shotgun, 4 Bonspeed wheels, tools & more held at Rossville for Rick & Melody Matyak. Auctioneers: Gannon Real Estate & Auctions.

January 18 — Selling over 700 toys including tractors, cars, race cars, tractor trailer rigs, cast iron toys, airplanes, large sailing ship & more held at Clay Center for Delmer Kahrs Estate. Auctioneers: Kretz Auction Service.

January 18 — Selling four farms, 660 acres m/l in Washington & Marshall Counties held at Hanover for The Heirs of Emil & Lila Krause. Auctioneers: Raymond Bott Realty & Auction.

January 18 — 178.5 acres m/l of Marshall County farmland & cropland acres held at Frankfort for Richard & Leslie Laws. Auctioneers: Midwest Land and Home, Jeff Dankenbring, listing broker; Mark Uhlik, broker/auctioneer.

January 19 — Selling guns, tractor, mower, vintage, antiques, shop tools, household & much more at Osage City. Auctioneers: Wischropp Auctions.

January 20 (Monday) — Selling 100 acres m/l in 4 tracts located North of Osage City held at Osage City for Elizabeth Schiller. Auctioneers: Miller & Midyett Real Estate, Wischropp Auctions.

January 25 — Selling approximately 350 lots of coins including mint & proof sets, Morgans, over 20 pcs. gold & much more held at Portis. Auctioneers: Wolters Auction.

January 25 — Real Estate: very nice brick home, 4 BR, 2 BA; appliances, furniture, vintage gas station tireflator, collectibles, 20,000 sports cards & much more held at Manhattan for Sharon Hunter. Auctioneers: Gannon Real Estate & Auctions.

January 25 — Machinery including tractors, combines, platforms & corn heads, planters & drills, tillage tools, hay equipment, rotary cutters, construction pieces, lawn, garden & ATVs, grain, feed & material handling, sprayers & applicators, trucks, trailers, lots of livestock equipment & more held at Paris, Missouri for Annual January Consignment Auction. Auctioneers: Wheeler Auctions & Real Estate.

January 25 — Snow blower, lawn mower, vintage furniture, collectibles, glassware, crockery, toys, lanterns & more held at Lawrence for a Private seller. Auctioneers: Elston Auctions.

January 25 — Signs & advertising including thermometers, clocks, globes & more; tools, 1958 Ford child's electric car made in Kansas City 3 years; go cart race car, Speedwagon derby car, '20s pedal

car; Ford 100 lawn tractor with blade & more held at Salina for Nelson Brougner Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

January 25 — Selling tractors, truck, trailers, hay & farm equipment, sprayer & much more held North of Overbrook for Erik & Amanda Finch. Auctioneers: Wischropp Auctions.

January 25 — 466.72 acres m/l in Logan, Walnut & Marysville Townships, Marshall County land; Tract 1: cropland, CRP, pasture, meadow, yard, creeks, waterways, machine sheds & 1 1/2 story house; Tract 2: farmland, native grass pasture held at Marysville for Paul Holle Trust. Auctioneers: Donald Prell Realty & Auction, LLC.

January 25 — 237.40 acres m/l of Washington County cropland held at Linn for Dianne Brooks. Auctioneers: Midwest Land & Home, Mark Uhlik, Jeff Dankenbring.

January 25 — 157.2 acres m/l of Washington County prime farmland held at Barnes for Taylor/Pistorius Families. Auctioneers: Midwest Land & Home, Mark Uhlik, Jeff Dankenbring.

January 26 — Advertising mini jugs, crocks, Frankoma, doll collection, costume jewelry, Hummel collection, brass animals, 1882 coin set, kitchenwares & many more antiques & collectibles held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

January 28 — Three tracts of Rawlins County land (T1: 313 ac m/l; T2: 305 ac m/l; T3: 329 ac m/l) held

at Atwood. Auctioneers: Crossroads Real Estate & Auction, LLC.

January 30 — Antiques collectibles, household held at Concordia for Anna Townsdin & Dean Townsdin Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

February 1 — Body shop equipment, tractors, equipment, trailers, antiques & more held at Concordia for Gearld's Body Shop. Auctioneers: Thummel Real Estate & Auction, LLC.

February 1 — Selling two farms, 320 acres m/l in Washington County held at Linn for The Estate of Ramona Ouellette. Auctioneers: Raymond Bott Realty & Auction.

February 1 — Consignment auction held at Axtell for Axtell Knights of Columbus.

February 2 — Toys, collectibles, coins, advertising signs & more held at Salina. Auctioneers: Baxa Auctions, Mark Baxa.

February 6 — 327 acres m/l of Greenwood County Flinthills pasture land held at Eureka. Auctioneers: SunGroup Real Estate & Appraisals.

February 8 — Moving Mini-Farm auction including Challenger AWD tractor, equipment, horse items, round pen, collectibles, furniture, tools & more held at Lawrence for Gary & Connie Snow. Auctioneers: Elston Auctions.

February 8 — Antiques & collectibles including advertising items, signs, crocks, toys, crocks, Indian, Army & much more held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

February 8 — Production sale at Leavenworth for J&N Ranch.

February 15 — 39th Annual Production sale held at Garnett for GV Limousin.

February 17 (Monday) — 2,574 acres m/l of NE Geary County & W. Wa-

baunsee County land consisting of pastureland, hayland, tillable farmland & excellent wildlife habitat held at Manhattan for A. Leroy Fechner Estate. Auctioneers: Cline Realty & Auction, LLC.

February 22 — 158.9 acres m/l of Republic County land including irrigated acres, native grass & home site acres held at Republic for Mark A. & Richard L. Stenson Revocable Trust. Auctioneers: Midwest Land and Home, Jeff Dankenbring, Mark Uhlik.

February 22 — Construction liquidation auction including trucks, trailer, construction tools & more held at Lawrence. Auctioneers: Elston Auctions.

February 24 — Build-er liquidation auction including 3 properties with unfinished homes & 1 building lot property held at Manhattan for Bank of the Flint Hills. Auctioneers: Crossroads Real Estate & Auction, LLC.

February 27 — 45th Annual Production Sale held at Quinter for GG&T Cattle Company.

February 28 — Total Performance Bull sale held at Quinter for Jami-son Herefords.

March 1 — 18th Annual bull sale held at Wamego for Gold Bullion.

March 2 — 32nd Annual Lyons Ranch Superior Genetics Angus Bull Sale held at Manhattan for Lyons Ranch.

March 4 — Rottinghaus Farm & industrial Consignment Auction held at Beattie. Auctioneers: Rottinghaus Auction.

March 5 — 506 acres m/l in Lincoln & Russell County sold in 3 tracts & combinations held at Wilson. Auctioneers: Hall and Hall.

March 5 — Annual Bull Sale held at Courtland for Jensen Brothers.

March 6 — 43rd Annual Legacy Sale held at Manhattan for K-State Legacy Sale.

March 7 — Judd Ranch 42nd Gelbvieh, Balancer, & Red Angus Bull sale held at Pomona for Judd Ranch.

March 7 — Angus cattle including bulls, females, heifers held at Olsburg for Lafin Angus.

March 12 — 19th Annual sale held at Manhattan for BJ Angus Genetics.

March 14 — Equipment, trucks & salvage held at New Cambria for Don Janssen Estate. Auctioneers: Reynolds Auction Service.

March 15 — 23rd Annual Performance-Tested Angus Bull & Female Sale held at St. Joseph, Missouri selling fall & spring yearling bulls, cow/calf pairs and bred & open heifers for April Valley Farms.

March 18 — Cow sale held at Manhattan for Cline Cattle Company.

March 18 — Angus Production sale held at Overbrook for Woodbury Farms.

March 19 — 31st Annual Production sale held at Esbon for Benoit Angus Ranch.

March 21 — On Target Bull Sale held at Blue Rapids for Springhill Herefords & Alcove Cattle Company.

March 21 — Bull sale held at Geneseo for Janssen Red Angus.

March 28 — Hereford Production sale held at Haviland for Sandhill Farms.

April 11 — Fink Beef Genetics Spring Angus and Charolais Bull Sale held at Randolph.

April 18 — New Strawn Farm & Ranch Consignment Auction held at New Strawn. Auctioneers: Kurtz Auction & Realty. Sales manager, Richard Newkirk.

Winter prescribed burning improves pastures

By Heather Smith
Thomas, Angus Beef
Bulletin

Ranchers and rangeland managers often use fire to help control or retard invasive species or brushy plants like juniper or cedar, or to create more forage for livestock or reduce fuel loads and help prevent catastrophic wildfires.

Charles Kneuper, Texas state rangeland management specialist with the USDA Natural Resources Conservation Service (NRCS), works with many ranchers on grazing plans, which often include prescribed burns. Fire is one of many tools that can be used for range management and improvement, he says.

"Fire is one of the main disturbances that grazing lands in North America evolved with. The vegetation always experienced grazing by herbivores that included bison, elk, deer, etc., and fire, and was productive under those conditions. If we remove fire or grazing from the system, we often see unintended consequences," says Kneuper.

With prescribed fire, NRCS gives a certain prescription for which fire will be applied to the landscape. That prescription includes weather conditions — temperature, humidity, wind speeds and direction — and a certain fuel load. While they have an idea what that fire behavior will be, under that particular prescription,

there are no absolutes. Even with prescribed fire, it is important for people to recognize that there is always some risk with fire, he says.

"We pay close attention to weather forecasts prior to a burn, and monitor weather during the burn, but even on a day that's predicted to have a ten-mile-per-hour wind, there may be a gust that comes through and could put everything into a different situation," he explains.

"We monitor weather so we can try to make the best decisions, and then our job and role is to empower the landowner to apply prescribed fire — a practice that can work toward their goals or benefit their operation. We are there to help provide guidance, but we want the landowners to make the decisions and do it themselves," Kneuper adds. "Our role is to help them become comfortable and confident making those decisions, providing technical assistance and moral support."

NRCS has knowledge and experience in prescribed fire, but Kneuper says there are certified burn managers who have more experience and who teach courses. Some of the employees go through those classes and burn with more experienced individuals.

Some of the variables in these decisions include timing of a burn.

NRCS has knowledge and experience in prescribed fire, but Charles

Kneuper says there are certified burn managers who have more experience and who teach courses. Some of the employees go through those classes and burn with more experienced individuals.

"Time of year will affect recovery of that landscape. If you burn early in the winter, you could possibly have a flush of some of the winter forbs that could provide forage for wildlife. Dormant-season fires have a different behavior than when the vegetation is green and growing. Ignition point for the fuels will also be different. If you burn late in the winter, you are lighting that fire during a time that the ground should be bare for as short a time as possible before warm-season grasses start growing. Fire at this time might benefit your warm-season grass production," he says.

Your goals determine which season you burn.

"We encourage use of prescribed fire, addressing specific resource concerns that we've identified through the conservation planning process with the landowner," says Kneuper.

NRCS works with landowners to develop conservation plans, using several different practices to address identified resource concerns on the land and landowner objectives. Prescribed burning is one of those tools, and it is important to recognize when prescribed burning could be a viable option or alternative. There are cer-

tain purposes for which it can be used, and then the prescription is developed when the burn plan is written to address a specific approach, he explains.

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LARGE TOY AUCTION

SATURDAY, JANUARY 18, 2020 — 9:00 AM
Due to death we will sell, the following items at public auction at the Clay Center National Guard Armory located at 12th & Bridge Streets, CLAY CENTER, KANSAS.
Doors open at 7:30 a.m. for Previewing.
We will be selling over 700 toys. All toys all day. Most are farm toys. Many tractors of various makes and styles. There are also many cars, race cars, tractor trailer rigs, cast iron toys, airplanes, large sailing ships and more. Many are NIB.
TERMS: Cash or good check day of sale. Not responsible for accidents. **Lunch on Grounds.**
CLERK: Shirley Riek, 526 Frederick, Clay Center, Ks. 67432

Go to **kretzauctions.com** or **kansasauctions.net** for upcoming pictures, map & other information.

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Randy Reynolds, Abilene, KS (785) 263-5627
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ADVERTISING AUCTION

SATURDAY, JANUARY 25, 2020 — 9:30 AM
Auction will be held in Kenwood Hall at the Saline Co. Expo 900 Greeley in SALINA, KS

SIGNS, ADVERTISING & TOOLS

Signs inc: Mobil Oil on base; Gargoyle on stand; Pegasus horse; Chevrolet; DeLaval Milker; Conde Milker; Swift & company Cream Buying Station; Red Goose Shoes; Barber Shop; Hair Bobbing; Pastum; Wildroot; Burma Shave; Texas & Southwest Cattle Raisers; Robins Best Flour; Horse Shoe Tobacco; Oil Max Cement; HyDrox Ice Cream; P & H; Eveready; Smokey Bear; Tung-Sol; Blackstone Cigar; Marlin; Kohler Engines; DeKalb; Chief Paint; Climax; Manhattan Milling; Diamond Edge Garden Tools; Steinhoffs Hatchery Osage City; Winchester; Mail Pouch; Viceroy; Bull Shipper; Mule-Hide; Beaver-teeth Chain Saw; Servel; Crust Buster; Evinrude; Pay Way; Singer Sewing Machines; road signs inc: Kansas 66; Very large collection of other signs; **Thermometers**; (IHC Trucks; Ford; Phillips Aviation Gasoline; Prestone; Quaker State; Skelly; Delco; Exide; Pepsi; Grapette; Mail Pouch; ExLax; Royal Crown; Dr Pepper; Double Cola; 7 UP; Crush; RCA Batteries; Atlas Perma Guard); **Clocks**; (Oldsmobile Sales; Phillips Aviation Gasoline; Gates; Skelly; Winchester; Pennzoil); **Globes**; (White Crown; Skelly Keotane; Texaco Filling Station; Champlin); porcelain gum machine; 2 barber poles; Kool match holder; AC Sparkplug lamp; Diamond tire holder; Motorcraft Ford oil can rack; Phillips 66 oil can rack; Ford bedliner display; Ford Touch-Up paint rack; Pepsi store bottle case rack; Anco wiper blade cabinet; George Motor Clyde rain gauge; Wiry Joe Battery Cable display; gear shift knobs; oil jars; Kan O Tex can; large trap; siren; Windmill weights (Hummer rooster; Barnicle eye chicken; short tail horse); tire ashtrays; map holder & road maps; assortment of oil cans; Car tags several dealer; tag toppers; car lights; steering wheels; hub caps; spark plugs; light bulbs; radiator shrouds; grills; Assortment car manuals; **1958 Ford child's electric car made in Kansas City 3 years; go cart race car; Speedwagon derby car; 20's pedal car**; pedal horse; Ford TW5 pedal tractor; McCormick Deering coaster wagon; pedal scooter; cast iron fire call box; cast iron mail box; sample double engine w/propeller; several gas airplanes; several small engines; 3 slot pay telephone; switchboard telephone; lighting rods w/balls; steam whistles; ship wheel; watch fobs; Ford early 50's flat head V8 engine has been setting; stacking tool box; grinder on stand; assortment electric tools; assortment hand tools; **Ford 100 lawn tractor w/blade**; very large assortment of other collectibles.

NOTE: Nelson has collected for many years. There are many unique signs & collectibles. There are hundred's of items not listed.
Check our website for pictures **www.thummelauction.com**
NELSON BROUGHER ESTATE
Auction Conducted By: **THUMMEL REAL ESTATE & AUCTION LLC**
785-738-0067

AUCTION

SUNDAY, JANUARY 26, 2020 — 10:00 AM
Auction will be held in Kenwood Hall at the Saline Co. Expo 900 Greeley in SALINA, KS

ANTIQUES & PRIMITIVES
Advertising metal mini jugs; 6 & 15 gal Western crocks; crock blue bowls; assortment other crocks & jugs; Frankoma inc: political mugs; 1965-75 Christmas plates, other pieces; pie birds; doll collection (German, china, bisque); wicker doll buggy; doll rockers; assortment costume jewelry; Hummel collection; Shirley Temple plate & cup; 10 animal cookie jars; kerosene lamps; Indian ink well; 100+ brass animals; cast iron dog door stop; sewing boxes; 100 brass animals; collection copper inc: tea kettles; spittoon; large horse collection; cast iron banks; Western prints; 1882 coin set; Lincoln coin book no 2; wash tubs; buckets; horse bits; horse hames; kitchen utensils; nail keg; wooden boxes; cast iron kettles, dutch oven, waffle iron; bentwood chairs; suitcases; skulls; chicken feeders; horse shoes; farm toys; pop cases; orange crates; noise makers; pop bottles; wash tubs; well pump; hay fork; iron wheels; school desk ends; wash benches; wooden wheel wagon chassis; walk-in plow; cultivator; grate; cast iron sinks; coaster wagon; yard gate; post vise; very large amount of other collectibles.

NOTE: This is a very large private collection. There are many cast iron pieces, hundreds of copper & brass items. Check our website for pictures at **www.thummelauction.com**.

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Cowboy Vegetarian Cookbook
When beef gets short, a lot of cowboys are forced to do without. The cook must come up with meatless meals. The following recipes are from the Cowboy Vegetarian Cookbook.

SEED CORN CAP PIZZA: Carefully clean with a fish scaling knife. Remove all metal buttons, rivets and any plastic tabs. Flatten the cap by soaking in linseed oil then placing it underneath a door mat that gets heavy use.

on a bed of marinated sweat shirt. Garnish with pickled shoestring. FAN BELT FAJITAS: The most succulent fan belt can be found on old farm equipment molding in your boneyard. It should

be sliced into bite-sized chunks. Tenderize before cooking by soaking in fingernail polish remover. Fry in lard along with half a hatful of 3/4 inch black plastic hose and shredded playing cards.

more. ROASTED KAK: Ever eat a saddle? Some parts are edible. Dig a hole big enough to bury a small mule. Burn elm, cottonwood and old tires to get a bed of coals.

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FSIS suggests changes to animal welfare label claims. The U.S. Department of Agriculture's Food Safety & Inspection Service (FSIS) issued revised guidelines regarding meat and poultry labels that make claims about how the animals were raised, such as grass-fed beef or pasture-raised poultry.

Farmers & Ranchers AUCTIONS EVERY MONDAY & THURSDAY. Selling Cattle every Monday Hog Sales on 2nd & 4th Monday of the month only!

Livestock Commission Co., Inc. Salina, KANSAS. SALE BARN PHONE: 785-825-0211. MONDAY — CATTLE • HOG SALE 2nd & 4th MONDAY.

Table with columns for STEERS, HEIFERS, and THURSDAY, JANUARY 9, 2020. Lists cattle weights and prices, including entries for Gypsum, Augusta, Sedgwick, Salina, Galva, Inman, Miltonvale, etc.

Table with columns for HEIFERS and CATTLE USA.com LIVE CATTLE AUCTIONS. Lists cattle weights and prices, including entries for Rush Center, Lorraine, Alma, Galva, White City, Longford, Ellsworth, Soloman, Nickerson, etc.

Table titled 'TUES., JAN. 6, 2020 WEAN/VACC SALE:'. Lists cattle weights and prices for various breeds like Armstrong, MO, Alma, Lorraine, Ellsworth, etc.

EARLY CONSIGNMENTS FOR THURSDAY, JANUARY 16, 2020. 20 heifers 650-700, 100 black s&h 500-600 weaned vacc, 20 black/bwf s&h 90 day weaned 2 round vacc no implant 600-700, 110 black s&h home raised 2 round vacc 80 days weaned 500-650, 125 black s&h home raised long time weaned no sort race tag 825-850.

UPCOMING SALES: SPECIAL COW SALES: SALE STARTS at 11 AM. Tuesday, Jan. 21 • Tuesday, Feb. 18 • Tuesday, March 17 • Tuesday, April 21 • Tuesday, May 5. WEANED/VACC. SALE: SALE STARTS at 11 AM Tuesday, February 4.

EARLY CONSIGNMENTS FOR TUESDAY, JANUARY 21, 2020 COW SALE: BRED HEIFERS: 15 black/bwf hfrs bred to Blk Angus start calving February 21st, 30 blk hfrs start calving February 1st bred Red Angus Harms Bulls.

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.

20 blk s&h home raised long time weaned vacc 550-800, 20 mostly black heifers home raised long time weaned open bunk broke 700, 13 black steers home raised long time weaned vacc bunk broke 750, 25 black heifers shots weaned off wheat 550-750.