



New book benefits ranchers, launches Rural Relief Fund

By Nicole Lane Erceg
“Every time I see an ambulance go by, I stop and say a prayer because the odds are, I know the person riding inside,” says Adam Jones, rancher near St. Francis.

It’s a sentiment many in Rural America share, where neighbors may not be just around the corner, but the bond of community is thick. His family ranch, Crooked Creek Angus, is one of 40 stories included in the new coffee table book *Sheltering Generations — The American Barn*.

The book features stories of beef producers in more than 20 different states, cataloging ranch life, rural community and the role of barns in our landscape.

Produced by Certified Angus Beef LLC (CAB), each family featured in the book has one thing in common: they all have the brand logo painted on their barns. In 2018, in a throwback to “old school” marketing, the brand painted 40 barns to celebrate its 40th anniversary.

At each painting throughout the campaign, something special occurred. The small-town community grew. Ranchers, packers, food bloggers, government dignitaries, meat salespeople and local community members gathered to “watch paint dry” and eat great beef. Sitting around a plate of beef, these diverse people shared stories of how the barns were built, the life lived under their roofs and the cattle cared for in their shelter.

Each held their own special tale — worthy of sharing, worthy of preserving.

There’s the rancher-turned-restaurantier in

North Dakota who used to drive three hours one way to source consistent quality beef for his small-town steakhouse. The couple who started with a dream, but no heat or water the first winter in their farmhouse in Minnesota and now support nine families from their herd. An old dairy barn in Pennsylvania became a classroom. A chance meeting at a gas station in South Carolina led to the barn where their children married and their cattle are sold each year.

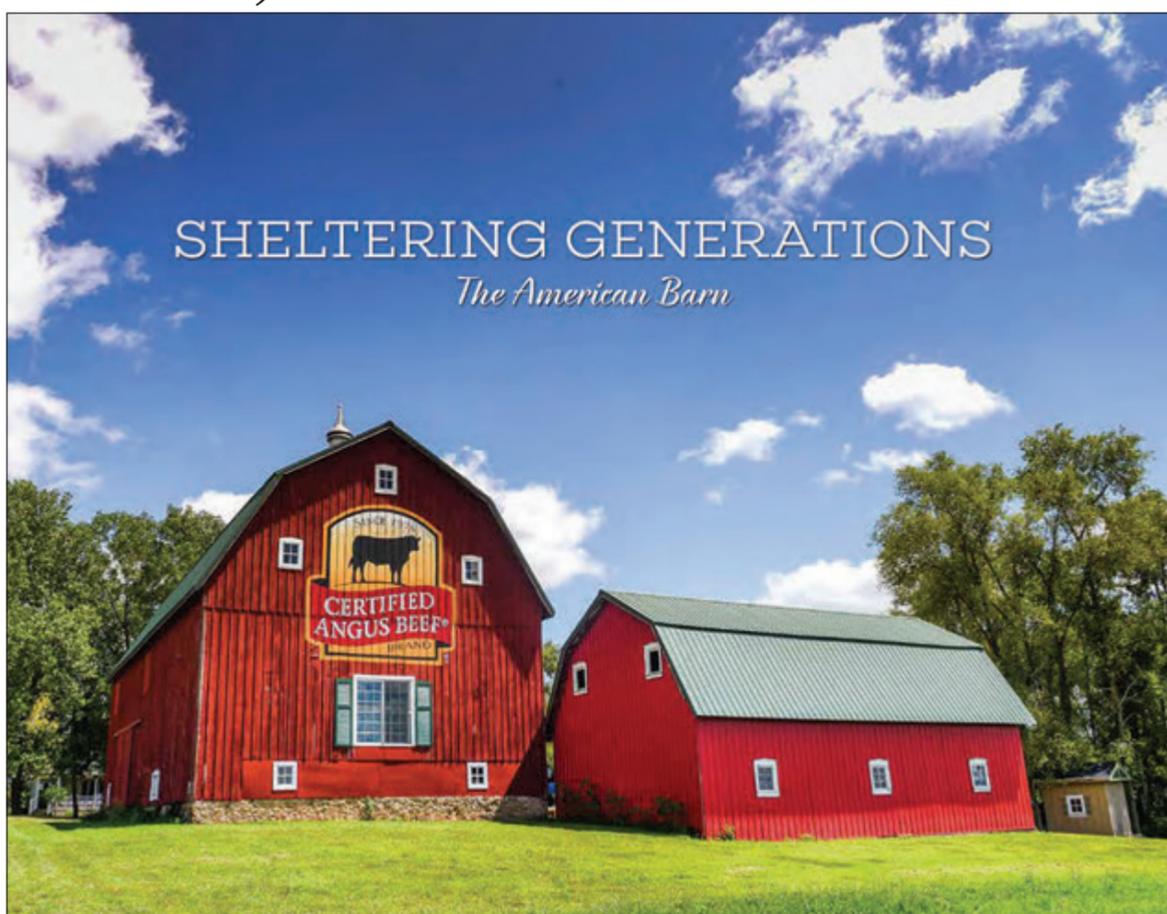
Each story unique, all inspiring in their own right.

Captivating images and short, entertaining stories fill the pages of the book, but in the spirit of community that inspired it, the funds from sales support farmers and ranchers. The entire purchase price of each book will benefit the newly launched Certified Angus Beef Rural Relief Fund, helping cattlemen recover from natural disasters.

“We’ve all heard some weather event referenced as the drought/flood/blizzard/fire of our generation too many times already,” says John Stika, president of the brand. “As a member of the beef community, when our farmers and ranchers are hurting, our brand is committed to providing help.”

The book is dual purpose: a way to share the stories of everyday ranch life and to help provide relief when those who produce it need aid.

“The next extreme weather event may not be tomorrow,” says Stika. “But this spring when the headlines told of cattle being washed away in Nebraska, our phones began



All of the proceeds from the recently released book *Sheltering Generations — The American Barn* will go to the newly launched Certified Angus Beef Rural Relief Fund which is dedicated to assisting cattlemen facing natural disasters.

to ring. It’s not the first time we’ve seen the pain caused by these events and each time those in cattle country, our partners and consumers look for ways to help. This fund allows us to channel that community spirit the next time someone calls.”

In the sunny days ahead, the book will connect beef consumers to the story of where each bite begins.

Sheltering Generations — The American Barn is on sale now at shop.certifiedangusbeef.com for \$19.95. Books will be available for purchase at the brand’s Culinary Center in Wooster, Ohio, and should arrive at homes in time for Christmas.



Chris and Sharee Sankey of Sankey’s 6N Ranch near Council Grove had the CAB logo painted on their barn and are featured in the book.

CattleTrace holds first-ever Industry Symposium

More than 200 beef industry leaders from across the country descended on Manhattan on Nov. 22, 2019, for the first-ever CattleTrace Industry Symposium. CattleTrace is an industry-driven effort that started in Kansas, has expanded to multiple states and is focused on building a disease traceability system for the beef cattle industry. The symposium provided opportunities for CattleTrace partners and other stakeholders to discuss the future of disease traceability and to pro-

vide feedback and guidance on CattleTrace and the advancement of disease traceability.

“CattleTrace was developed by and for beef producers,” said Brandon Depenbusch, CattleTrace, Inc., Board of Directors chairman. “It was humbling to have so many producers and partners participate in the symposium, and their feedback will be critical as CattleTrace continues expanding and progressing.”

CattleTrace was launched in late June 2018. Since then, a disease traceability system has been developed and built, including ultra-high frequency ear tags, tag readers and a private database, owned by CattleTrace, Inc. To date, more than 50,000 tags have been distributed, which has resulted in approximately 150,000 individual sightings at cow-calf operations, livestock markets, backgrounding operations, feedyards and packers being transmitted to the database. Attendees of the symposium saw the first-ever public demonstration of a mock traceback using the CattleTrace system. Kansas Animal Health Commissioner Dr. Justin Smith says the CattleTrace system significantly enhances the ability to



Panel members answer questions about CattleTrace and traceability at the Industry Symposium held November 22 in Manhattan.

trace movement of feeder cattle in the event of a disease outbreak.

In addition to observing the first-ever public demonstration of a disease traceback, symposium attendees gained additional insights about the costs and economic impact of implementing a full disease traceability system and were able to ask questions of CattleTrace leaders

during a panel discussion. A highlight of the symposium was remarks from Dr. Andrew Moxey, a consultant with ScotEID, about livestock traceability in Scotland and the benefits of ultra-high frequency technology. Attendees also engaged with other CattleTrace partners in breakout sessions where discussion focused on the future of CattleTrace.

“We have come a long way since CattleTrace was launched, but there is a lot of work that lies ahead of us to develop a national disease traceability system for the beef cattle industry,” said Depenbusch. “The feedback we gained at the symposium is not going to be put on a shelf and forgotten about. It will be used to help make critical decisions about the fu-

ture of CattleTrace. We are excited about building new partnerships and continuing to expand CattleTrace, but more importantly, developing a disease traceability system to benefit our entire industry.”

To learn more about CattleTrace, visit www.CattleTrace.org or follow CattleTrace on Facebook or Twitter.

Insight

KANSAS FARM BUREAU
The Voice of Agriculture

Our Ever-Better World

By Greg Doering,
Kansas Farm Bureau

There are certainly plenty of ongoing concerns in the world, but, at least for us humans, it has never been a better place to live. It's easy to conflate headlines with the actual state of humanity. It's an understandable reaction, but it's also a misreading of what makes news. While most certainly recognize bias can creep into reporting on politics, there's another bias that underpins all news decisions: a prejudice in favor of the unusual.

Crime, political intrigue and rare events drive coverage decisions because they're not ordinary, and that's what draws readers and viewers. Police blotters and obituaries consistently deliver eyeballs to newspapers and websites. Though it's possible someone may welcome my obituary or arrest, I think I'm safe saying most don't view those as good news.

In a way, this focus on the negative makes sense. Seeing daily stories about planes landing safely or drivers who didn't crash their cars doesn't seem all that interesting. Yet when we don't stop and think about all those instances of things going according to plan, the headlines distort our reality. Bad news is immediate and reported constantly. Good news is slow and sporadic.

In a 2015 survey, just 6 percent of U.S. citizens said

the world was getting better according to the website www.ourworldindata.org. That is astounding. It represents our failure to see ourselves in context of the world.

I would encourage you to visit the website and poke around it for a bit. It paints an entirely different picture of our lives than you'll find in the news.

The world is a safer place, including here at home. The homicide rate in the U.S. fell more than 20 percent between 1990 and 2017. We're also living longer. In 1800 life expectancy across the globe averaged 29 years. That jumped to 46 years by 1950 and soared to 71 by 2015. In the United States, the averages were 35, 68 and 79.

One reason for our increasing longevity is better nutrition. U.S. farmers and ranchers have led the way in producing more food on less land even as the population has ballooned from 3 billion in 1960 to 7.7 billion today. Today's agricultural producers need about one-third of the land to get the same crop production as they did in 1961.

As researchers noted in a 2013 paper, "A combination of agricultural technologies raised yields, keeping downward pressure on the extent of cropland, sparing land for nature."

We also have more leisure time. U.S. citizens are working less – both in the office and at home. The average per-

son worked a little over 1,750 hours in 2017, that's down from just under 2,000 in 1950. Productivity also has soared to \$65.51 per hour worked, up from \$18.14 over the same time period.

Those productivity gains carryover at home, too. Housework, defined as meal prep, laundry and cleaning, took an average of 15 hours, 24 minutes in 2015, or about a quarter of the 58 hours those tasks took in 1900. Men, as my wife can attest, still have a way to go to get to an equal share. Women spend about an hour per day more on chores around the house.

All of this is logical, if not necessarily intuitive. Knowledge is a commodity that earns interest and pays dividends. In 1800 about 15 percent of the global population could read. The world literacy rate in 2016 was 86 percent. Gradual improvements over a couple centuries don't make the headlines, but the end result is a world where nearly everyone can read those extraordinary stories that make things seem so gloomy.

As you gather with your family for the holidays and start telling stories around the dinner table, be sure to mention a few things that have made your life better over the years, especially to the young people. If they don't know about past improvements, they may stop striving to keep making this place better.

"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.

Prairie Ponderings

By Donna Sullivan

Amidst political discussions, nothing irritates me more than when Democrats paint themselves as the champions of the middle class while portraying Republicans as greedy oppressors of the downtrodden. While illustrations of this could take several different paths, let's focus on just one – the United States Mexico Canada Agreement. Few things have as much potential to positively affect the lives of middle-class Americans as this trade agreement. USMCA was formally agreed to by all parties on October 1, 2018 and signed by President Trump, Mexican president Enrique Pena Nieto and Canadian prime minister Justin Trudeau on November 30, 2018. Each country's legislature must now ratify it, and Mexico did so in June.

The agreement has had strong bi-partisan support and is expected to easily pass. So what in the world is the holdup? Speaker of the House Nancy Pelosi, after saying a vote was imminent and adjusting the House calendar to keep members of Congress in

session an extra week in December, is now saying a vote might not take place this year at all. Meanwhile, the middle class she purports to care so much about – farmers, ranchers, those who work in manufacturing facilities, and all the industries that support and depend on them, aren't really feeling all her concern. I read in one article that some members of the House say they haven't had time to read the agreement yet. Seriously? After over 400 days, you haven't had time to read an agreement that could affect the entire U.S. economy, and eventually impact the very lives of the people who voted you into office? The ones whose standard of living you claim to be so dedicated to raising? How can that even be?

I have a news flash for you. Most Americans – Democrat and Republican alike – want to go to work every day in a meaningful job, where they earn enough money to support their families. They want opportunities to build, create and dream. Most don't want government hand-

outs. They need the government to just do their job, then stay out of their way. Americans do things. Look at our history.

Two weeks ago I was steeped in the story of our nation's beginnings while my daughter and I explored Boston. Standing among the graves of American patriots, I couldn't help but wonder, are we living up to the vision they had when they set the founding of this nation in motion? As they risked everything, and in some cases lost everything, is this what they had in mind? Leaders – and I say this of both parties – more concerned with holding on to their power than doing what is right and best for our country and her people? I really don't think it is. Then the question becomes, what do we do about it? There are many issues that divide us as Americans, but USMCA shouldn't be one of them. It could be a bright spot in an otherwise ugly political landscape, benefitting all Americans and possibly even help restore a little faith in our elected officials.

Or it can languish on the back burner while other things take center stage. But at some point, everyone involved will need to look the American people in the eye and give an explanation for why political capital was gained on the backs of hard-working Americans.

"When I stand before God at the end of my life, I would hope that I would not have a single bit of talent left and could say, I used everything you gave me."
– Erma Bombeck



Recently Jennifer came home from work and said one of her co-workers, George, suggested I ought to write a column about the Christmas presents I have gotten her over the years. Normally I don't take requests, but I am happy to share any ideas and hints I can. I was surprised that anyone would want my help with gift buying because quite frankly, I thought I was bad at it. Then I realized that some of us were put on this earth for no other reason than to serve as a bad example. So here it goes, the gift-giving guide for the farmer or rancher's wife.

Last year was probably my most successful Christmas present ever; we bought a very used Kubota UTV. Although it was well-used and worn it was better than what we had and that was nothing. It was probably my most practical gift ever and Jennifer used it every day to do chores and at night to check ewes, it really saved her a lot of time. Then when I caught it on fire this spring, I was able to buy her a newer one for Mother's Day.

The year before that was also a successful year, although not nearly as popular. Her gift was bright and shiny with red paint. Of course, I am talking about four new feed bunks; that is all the red paint I can afford. They were also a very practical gift, allowing her to spread the calves out when she fed them and making it so we could keep them around longer. The Kubota gift made it so she did not have to carry the buckets nearly as far, too.

The year before that I bought her a dishwasher. I know you aren't supposed to buy appliances and I am sure in the first twenty years of marriage I probably would not have gotten away with it but after two decades of disappointment one wears down and lowers their expectations. This gift really cut down on her dishwashing time and allowed her to spend more time with me, which was really like getting two gifts in one.

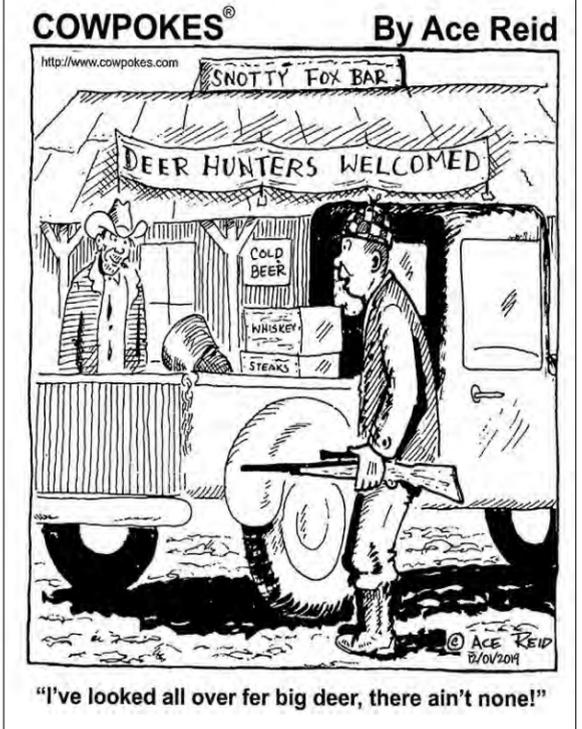
Christmas gifts should be practical but also say that you care for her. One year I bought Jennifer insulated coveralls, something that she needed on those cold winter mornings when she does chores or those nights she is out in the

weather checking ewes and cows. They really say, "I love you and I don't want you to get cold out there." This is a can't-miss gift but get out there early before they sell out of her size because buying the next size up isn't met with the same enthusiasm.

I am also good with stocking stuffers. Perfume and bubble bath are always good ideas, that way she can relax in a hot bath after checking those new lambs out and before going out at midnight. You might want to stay away from fencing pliers and crescent wrenches. Usually they aren't met with the same excitement you would have imagined, and they really hurt when they are thrown. I had to get creative here because in the past I may have taken my daughter shopping and she would pick something out for Jennifer, college really screwed that up.

This year I outdid myself. I will share her present with you if you promise not to tell. Oh, who am I kidding, I always run purchases this big past her. You know how they say everything old will be new again? That is what I did for Christmas. We moved the old Hydrabed off the feed pickup she refused to drive (I really think of brakes and reverse as options, but she doesn't) to our good pickup. And just to prove how special Jennifer is to me I added a toolbox and brush guard. Now she has a feed pickup that she can drive again without worrying about stopping or needing to back up. It's a real bonus that the heat works in it too and the doors close; she will be in the lap of luxury when feeding cows this winter. If she is lucky, she will get a new set of tires for her birthday but don't tell her, I want it to be a surprise.

So yes, George, there is a Santa Claus and he wears a free seed corn hat. I hope this helps you and all the other farmers and ranchers out there struggling with what to buy your wife for Christmas. We all know that farm and ranch wives are selfless and often don't expect much in the way of gifts so meet their expectations. Another bonus to my gift buying expertise is that I can enjoy the lights on the Christmas tree as I sleep on the couch for the next couple of weeks.



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Greensburg's 'green' rebuild considered a mixed success

(AP) — A dozen years after a tornado nearly wiped out Greensburg, city leaders acknowledge that the decision to rebuild as “the greenest community in America” has been a mixed success.

The E-5 tornado on May 4, 2007 killed 11 people and destroyed most of the town. City, state and federal officials quickly decided to rebuild, and to emphasize environmentally friendly policies and structures. The effort drew international attention, including a Discovery Channel television series created by actor and environmental activist Leonardo DiCaprio, the Kansas News Service reported.

Greensburg's leaders sold the green rebuilding plan as a way to set the town apart from other withering rural commu-

nities. Today, Greensburg has about 850 residents, about 600 fewer than when the tornado hit.

“I don't think that population is the only measurement of success,” said Greensburg city administrator Stacy Barnes.

The town still has desiccated trees, vacant lots in the middle of town and some crumbling foundations where houses once stood. A 72-acre business park designed to attract mostly green companies sits empty.

“We were under the impression that there would be opportunities,” former Mayor Bob Dixon said about the business park. “But it just never panned out.”

Still, there are successes. The town's new high school

brims with technology and many of the new energy-efficient buildings look like something found in a trendy tourist town.

Barnes, who is Dixon's daughter, helped her parents sift through the rubble of the family home after the tornado and then decided with her husband to move back from Lawrence.

She said she feels “tremendous responsibility” to make the community's comeback a success.

“Early on,” she said, “There were probably some unrealistic expectations.”

Dennis McKinney, a former state treasurer and one-time legislator from Greensburg, said the town is hurt by a housing shortage that is holding back communities across

rural Kansas.

“I've talked to community leader after community leader from all over Kansas,” he said. “That's their number one issue.”

Scott Brown, the owner of an auction and real estate company that was outside the tornado's path, said developers from Wichita, Kansas City and Denver offered to help rebuild the downtown business district, but walked away when they realized they couldn't charge enough rent to make money.

After that, Brown led a drive to build a kind of strip mall in the downtown, knowing most of the money would have to come from residents who wanted a place to “get a hamburger (or) get their hair fixed.” He put up the first

\$50,000 and asked others to give what they could for the Kiowa County United Foundation.

When it opened in 2009, the downtown mall was paid for and fully occupied. Over the past decade, Brown said, occupancy has averaged between 80% and 90%.

Brown would like to think that all the community has accomplished since the tornado has made it less vulnerable to the economic and cultural forces threatening the survival of rural communities. He hopes it isn't destined to be-

come “a ghost town with the newest buildings.”

“I don't doubt that we'll survive, but that's not what we want to do,” he said. “We want to get a little growth.”

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Soil Health Partnership educates Hill staffers on soil health practices

The Soil Health Partnership (SHP) and the National Corn Growers Association (NCGA) recently co-hosted a field day for U.S. Senate and House Agriculture Committee staff at Harborview Farms in Rock Hall, Md. Staffers had the opportunity to learn more about soil health management practices being implemented at Harborview Farms.

“This field day was a unique opportunity for legislative staffers to see first-hand the benefits and challenges farmers face adopting soil health practices. Farmers across the country invest in these practices because they believe in the indirect and long-term benefits such as healthy soils for their future generations, creating increased land resiliency and knowing they are giving back to the land that sustains us. It is an important story to tell, and we are thrilled to have legislative partners attend these educational events,” said John Mesko, senior director of SHP.

Practices that improve soil health are taking on elevated importance as a means to

protect topsoil, helping farmers manage extreme weather, increase profitability, protect water quality and sequester carbon.

Harborview Farms owner and operator Trey Hill explained the need to improve soil management practices with each generation. He discussed the impact of being a pioneer in the industry and how it has affected his farm. Hill utilizes cover crops, roller-crimper, and no-till, soil health management practices that have resulted in increased profitability.

Congressional staffers stepped inside a Soil Pit to witness how diverse cover crop species impact row crop systems. Staffers were able to

interact with SHP field managers to understand the lock-step relationship between SHP farmers and field managers. They also learned about some of the challenges facing growers who decide to change their management systems to focus more on soil health. Some of these challenges include changing or upgrading equipment, changing planting and harvesting timelines, adjusting for different pest and weed pressures, and figuring out how to pay for it all.

In addition, Soil Health Partnership lead scientist Maria Bowman explained the unique role SHP plays in providing technical assistance to farmers like Hill.

The field day was held in

collaboration with the University of Maryland's Department of Environmental Sciences and Technology along with the U.S. Department of Agriculture, Agricultural Research Service Sustainable Agricultural Systems Laboratory.

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Watch the first issue of every month, as we will continue to feature vintage clippings like the ones below!

1966

UNIQUE CHRISTMAS TREE IDEA
Mrs. Norman Peters, Leonardville, stands beside a Christmas tree her husband made from a pole, nylon cords and tin can lids of all sizes. The lids were painted gold and silver and are attached to the nylon cord with fishing swivels to allow the lids to rotate. The finishing touch is flooding the tree with colored light.

1966

SCOTTISH IMPORT. R.A. Wiegiers of Marysville looks over one of the two Scottish Highlander cows he recently acquired. Wiegiers said he bought the cows "mostly for novelty" but he plans to crossbreed the cows with a Charolais bull. Sometimes called Kyles, Scottish Highlanders have long, shaggy coats, sturdy frames, large heads, branching horns, thick mane and heavy dewlap. In color they are generally a tawny red. Wiegiers bought the Scotch cows from Ray Thornburrow of the Marysville Feedyards.

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2019 Grass & Grain Holiday Recipe Contest

Olive McReynolds, Hays, Wins This Week's Holiday Contest

Winner Olive McReynolds, Hays: "This is a great gift for a friend or neighbor. Makes 2 or 3 loaves."

PINEAPPLE CARROT BREAD

- 3 eggs, beaten
- 2 cups sugar
- 1 cup oil
- 2 cups grated carrots
- 20-ounce can crushed pineapple, well drained
- 3 cups flour
- 1 teaspoon baking powder
- 1 teaspoon soda
- 1 teaspoon salt
- 1 1/2 teaspoons cinnamon
- 3/4 cup nuts

Preheat oven to 350 degrees. Grease and flour 3 small or 2 large bread pans. Mix together the eggs, sugar, oil, carrots and pineapple. Sift together flour, soda, baking powder, salt and cinnamon; stir this into the first mixture just until combined. Add the nuts. Bake 1 hour in small pans or 1 hour and 10 minutes in larger pans. Foil pans: 5 7/8-by-3 1/2-by-2 inches: 40 minutes; 6 3/4-by-3 1/2-by-2 1/8 inches: 50 minutes.

Lucille Wohler, Clay Center:

GLAZED NUTS

- 1/2 cup sour cream
 - 1 teaspoon vanilla
 - 1 1/2 cups sugar
 - 5 cups pecans
- Mix sour cream and sugar. Boil 3 minutes. Add vanilla and pecans. Stir until coated. Put on waxed paper or foil.

Millie Conger, Tecumseh:

CRANBERRY PECAN STUFFING

- 1 cup orange juice
- 1/2 cup dried cranberries
- 1/2 pound sausage
- 1/4 cup butter, cubed
- 3 celery ribs
- 1 large onion, chopped
- 1 teaspoon poultry seasoning
- 6 cups seasoned stuffing cubes
- 1 medium tart apple, finely chopped
- 1/2 cup chopped pecans
- 1/4 teaspoon salt
- 1/8 teaspoon pepper
- 3/4 to 1 cup chicken broth

Bring orange juice and cranberries to a boil. Remove from heat let stand 5 minutes. Cook sausage and drain. Transfer to a large bowl. In same skillet melt butter then add celery and onions. Saute until tender. Stir in poultry seasoning. Add to sausage mixture. Stir in stuffing cubes, orange juice mixture, apple, pecans, salt, pepper and enough broth to reach desired moistness. Bake in a covered 9-by-13-inch pan at 325 degrees for 30 minutes. Uncover and bake until lightly brown, 10-15 minutes.

Susan Schrick, Hiawatha:

HOLIDAY BREAD

- 1 yellow cake mix
 - 1 package instant pistachio pudding mix
 - 1 cup sour cream
 - 1/8 cup water
 - 1/4 cup oil
 - 4 eggs
 - 3/4 cup maraschino cherries, drained
 - Sugar
 - Cinnamon
- Mix cake mix, pudding mix, sour cream, water, oil and eggs thoroughly. Add cherries and stir in. Grease or spray loaf pans (2 standard or 4 small); sprinkle sugar and cinnamon in the bottom of pans. Pour batter into pans. Sprinkle with additional sugar and cinnamon. Bake at 350 degrees for 35 to 45 minutes or until knife comes out clean.

Linda Kepka, Dorrance:

BREAD PUDDING

- 3 tablespoons margarine, melted
 - 10 slices of bread
 - 4 cups milk
 - 4 large eggs
 - 1 1/4 cups sugar
 - 1/3 cup raisins
 - 2 tablespoons vanilla
 - 1 tablespoon cinnamon
 - Cool Whip
- Pour melted margarine into 9-by-12-inch inch baking dish. Tear bread into pieces and soak in the milk for 5 minutes. Beat eggs; add sugar, raisins, vanilla and cinnamon. Mix with bread and milk. Pour into prepared pan and bake at 350 degrees for 1 hour. Serve with Cool Whip.

Beth Scripter, Abilene: "This is a good and a little different casserole. Using red/green peppers it looks festive!"

KING RANCH CASSEROLE

- 2 cans of chicken, drained
 - 1 can cream of mushroom soup
 - 1 can cream of chicken soup
 - 1 onion, chopped
 - 2 peppers (use one red & one green), chopped
 - 10 (medium-size) flour tortillas, cut into small bite-size pieces
 - 1 can ro-tel tomatoes with green chiles, not drained
 - 1 teaspoon chili powder
 - 1 teaspoon garlic salt
 - 1 teaspoon onion powder
 - 3 cups grated Cheddar cheese
- Mix ALL ingredients in a large bowl and stir well. Place in a greased 9-by-13-inch pan and bake at 375 degrees for 45 minutes.

Rose Edwards, Stillwater, Oklahoma: "Good on waffles, biscuits, etc."

SWEET POTATO BUTTER

- 3 large sweet potatoes, peeled & chopped (about 8 cups)
- 1 1/2 apples, peeled, cored & chopped (about 2 cups)
- 2 cups water
- 2/3 cup firmly-packed light brown sugar
- 1/2 cup fresh orange juice
- 2 teaspoons cinnamon
- 1/4 teaspoon salt
- 1/4 teaspoon nutmeg

In crock-pot stir together all ingredients. Cover and cook on high until sweet potatoes are tender, about 4 hours or longer. Uncover and cook 30 minutes more. Let cool for 30 minutes. Pour into blender or other blender appliance or immersion blender. Process mixture just until smooth. Refrigerate in airtight container for up to 2 weeks.

Darlene Thomas, Delphos:

ALL-BRAN MUFFINS

- 1 1/3 cups flour
- 1/2 cup sugar
- 1 tablespoon baking powder
- 1 1/2 teaspoons cinnamon
- 1/4 teaspoon salt
- 2 cups Kellogg's All-Bran Complete Wheat Flakes
- 1 1/4 cups milk
- 2 egg whites, beaten
- 3 tablespoons vegetable oil
- 3/4 cup fresh or frozen blueberries

In a small bowl sift together flour, sugar, baking powder, cinnamon and salt; set aside. In a large bowl stir together cereal and milk. Let stand 2 minutes or until cereal is softened. Add egg whites and oil. Beat well. Add flour mixture stirring until just combined. Fold in blueberries. Spoon batter evenly into (12) 2 1/2-inch muffin cups coated with cooking spray or lined with baking cups. Bake at 400 degrees about 18 minutes or until toothpick inserted near center comes out clean. Serve warm.

Jackie Doud, Topeka:

PEANUT BUTTER BITES

- 2 1/2 cups dipping chocolate
- 3 ounces bittersweet chocolate, chopped

(2) 8-ounce packages peanut butter-filled sandwich cookies

- Waxed paper
- 1 cup cocktail peanuts, finely chopped
- 3/4 cup peanut butter morsels
- 1 1/2 tablespoons shortening

In a microwave-safe bowl melt dipping chocolate and bittersweet chocolate until melted and smooth, stir each minute. Coat cookies in melted chocolate by moving around with fork. Transfer to lined cookie sheets with waxed paper. Sprinkle with nuts. Microwave peanut butter morsels and shortening until smooth and very soft. Stir. Drizzle this mixture on top of cookies. Refrigerate until chocolate is firm.

Kellee George, Shawnee:

PEPPERMINT SCONES

- 2 cups flour
- 1/3 cup sugar
- 1 teaspoon baking powder
- 1/2 teaspoon baking soda
- 1/4 teaspoon salt
- 6 tablespoons shortening
- 3/4 cup white chocolate morsels
- 2 tablespoons crushed peppermint candies
- 3/4 cup whole buttermilk
- 1 egg yolk
- 1 teaspoon vanilla

Preheat oven to 400 degrees. Line a large baking sheet with parchment paper. In a large bowl whisk flour, sugar, baking powder, baking soda and salt. Using a pastry blender cut in shortening until mixture is crumbly. Stir in white morsels and candies. In a small bowl whisk buttermilk, egg yolk and vanilla. Stir buttermilk mixture into flour mixture just until dry ingredients are moistened. Turn out dough onto a lightly floured surface and roll dough to 1/2-inch thickness. Using a 2-inch round cutter cut dough and place on pan. Bake until lightly browned, about 15 minutes. Let cool on pan for 5 minutes.

Kimberly Edwards, Stillwater, Oklahoma:

PEPPERMINT PIE

- 1 chocolate crust or graham cracker crust
- 30 large marshmallows
- 14-ounce can condensed milk
- 2 cups heavy whipping cream
- 3 drops red food coloring
- 2 teaspoons peppermint extract
- 1/4 cup crushed peppermint candies

In a large microwaveable bowl place the marshmallows and milk. Cook on high about 3 minutes stirring once until marshmallows are melted. Refrigerate about 25 minutes or until mixture mounds slightly when dropped from a spoon. In a chilled bowl beat whipping cream, food color and peppermint extract with mixer on high speed until stiff. Stir marshmallow mixture until blended and fold into whipped cream. Fold in crushed candies. Mound mixture into crust. Cover and freeze about 5 hours or until frozen. Let stand at room temperature 10-15 minutes before cutting.

Mary Bogren, Burlington:

HOLIDAY BANANA NUT BREAD

- 1 cup sugar
 - 1/2 cup shortening
 - 2 eggs, beaten
 - 3 mashed bananas
 - 2 cups flour
 - 1 teaspoon soda
 - 1/4 teaspoon baking powder
 - 1/2 cup nuts
 - 1/2 cup chocolate chips
 - 6 chopped green cherries
 - 6 chopped maraschino cherries
 - 2 tablespoons brown sugar
 - 1/4 teaspoon cinnamon
 - 1/4 cup nuts, chopped fine
- Mix sugar, shortening, eggs, bananas, flour, soda, baking powder and nuts in that order. Mix chocolate chips and cherries into batter. Top with brown sugar, cinnamon and nuts. Bake at 350 degrees for 45 to 50 minutes in greased loaf pans.

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G&G Announces Its Annual Holiday Recipe Contest

Nov. 26 through Dec. 17

In observance of the holiday season, Grass & Grain will award the weekly winners \$40 in addition to the prize gift. Recipes received NOW through DECEMBER 11 will be entered in the holiday contest. Enter as often as you like during this period.

BONUS DRAWING

Second chance to win! The names of all contestants will be entered in a drawing from which four names will be chosen. Each of these four contestants will receive \$40. Winners will be announced Dec. 17.

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The idea is to fill a plate with homemade treats and give it to a family member or friend. That person fills it with their homemade goodies and passes it on, and so on. A poem is printed on the plate describing the tradition. Using your own permanent marker, you could write your name and date on the back of each to track the plate's travels.



- Made from Melamine. • Hand wash recommended.
 - Measures 12 inches diameter x 7/8-inch high
- "This plate shall have no owner for its journey never ends. It travels in a circle of our family and friends. It carries love from home to home for everyone to share. The food that's placed upon it was made with love and care. So please enjoy what's on the plate, then fill it up again. Then pass along the love it holds to your family and friends."

The winner each week is selected from the recipes printed. Send us your favorite recipe. It may be a main dish, leftover, salad, side dish, dessert, or what-have-you. 1. Check your recipe carefully to make certain all ingredients are accurate and instructions are clear. 2. Be sure your name, address and phone number are on the entry. Please include a street address with your recipe entries. A post office box number is not sufficient for prize delivery. Allow 3-4 weeks for delivery. 3. Send it to: Woman's Page Editor, Grass & Grain, Box 1009, Manhattan, KS 66505.

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OUR DAILY BREAD

- by G&G Area Cooks

**Prize Winner Is Mrs. 1966
Erald Patterson Of Clifton**

Mrs. Erald Patterson of Clifton is the prize winner. Her recipe appears below.

SMITH COLLEGE FUDGE

- 1 cup white sugar
- 1 cup light brown sugar
- ½ cup sweet cream
- ¼ cup white syrup
- 2 squares chocolate or 6 tablespoons cocoa
- 1 tablespoon butter
- 1 teaspoon vanilla
- ½ cup nuts, chopped

Add all ingredients but vanilla and nuts. Let all dissolve slowly in pan before boiling then let boil up good and continue until it makes a soft ball when tried in cold water. Add vanilla and beat until thick and creamy. Add nuts. Pour on buttered plate; let cool then cut into squares.



By Ashleigh Krispense
You've stuffed yourself with the traditional Thanksgiving feast and now it's time to clean up from the party. There's approximately 2.485 million pounds of turkey leftover and the kitchen still hasn't fully recovered.

This is why we've rounded up a collection of post-Thanksgiving recipe ideas to help you clean out that turkey and maybe even make a few freezer meals in advance with it. You have an abundance of meat. Why let it go to waste? Prepare to get creative!

Homemade Shepherd's Pie (or Pot Pie) — Substitute your favorite chicken for turkey in this classic comfort food. For simple meals in the future, make mini pies, wrap in foil, and then freeze!

Baked Turkey Alfredo — Shredded or chopped turkey mixed with soft noodles in a creamy Alfredo sauce, topped with Parmesan cheese and baked. If you want to freeze the pasta, cool it and then spoon into freezer bags.

Turkey Enchiladas — Shove aside the classic beef

or chicken enchiladas and use the other bird for this recipe. These can be placed in a tin foil pan and froze for future meals.

BBQ Turkey Pizza — Turkey, BBQ sauce, onions, peppers, and a little mozzarella cheese. Bake to a golden, bubbly perfection!

Mashed Potato Pizza — A pizza with mashed potatoes and topped with bacon, mozzarella, garlic, basil, etc.

Turkey Quiche — A little pie crust, a little cheese, a little turkey, and a few eggs... You've got a quiche!

Handheld Mini Pies — A hand pie (crust) crammed full of turkey and stuffing, baked or fried, and then dunked in gravy. Try freezing these individually or in small batches.

Turkey Noodle Soup — Skip the traditional chicken noodle soup and try it with turkey.

Leftover Turkey Chili — Another beef recipe we're converting to turkey for this time of the year. Top a bowl with all of your favorite things, such as Fritos, cheese, and onions.

Turkey and Stuffing Tacos — Grab a tortilla and pile it with all of your favorite leftovers. Grab a little extra cheese and pop in the oven for a few minutes to warm and get just crispy on the edges.

Turkey Quesodillas —

There's really no explanation needed. It's turkey + cheese + a tortilla + anything else in the fridge you want to attempt eating with them.

Turkey Sliders — Grab a package of King's Hawaiian Rolls and basically fill them with any leftovers you discover in the fridge. (Not quite!) Turkey or ham with cheese and then topped with a buttery, Dijon mustard sauce will make for a delicious little bite.

Hot Pockets — Make your own delicious "Hot Pockets" stuffed with turkey, creamy mashed potatoes, roasted vegetables, and a little gravy (if you so desire).

Fried Mashed Potato Bites — Delicious little balls of mashed potatoes (and cheese if you feel adventurous) deep fat fried to a rich golden brown.

Roasted Turkey Lasagna — Chopped turkey with a savory red sauce in between layers of noodles and cheese.

Ashleigh is a freelance writer and blogger for her website, *Prairie Gal Cookin'* (www.prairiegalcookin.com). She shares everything from step-by-step recipes to local history, stories, and photography from out on the farm in Kansas. Follow PGC online or like it on Facebook for more recipes and ramblings!

Choosing And Caring For Your Christmas Tree

By Kelsey Hatesohl, Extension Agent: Horticulture, River Valley Extension District

When choosing an already cut Christmas tree there are a few things you should check to make sure the tree isn't too far gone, before purchasing the tree. If the needles on the tree are a dull, grayish-green color or feel stiff and brittle you should not purchase that tree. The needles are telling you the tree has been cut for a while and has lost too much moisture. If the needles pull off the tree easily that is also a sign of too much moisture lost. You want to find a tree that is green and the needles hold strong when you try and pull them off. The needles on a freshly cut tree should ooze a little if you break them apart.

Once you have brought your tree home, you want to recut the trunk. Make a new cut about one inch above the original cut. Making this fresh cut will open up any clogged water-conducting tissues. Once you have made the cut, place the trunk immediately in warm water. This will make sure the tree is taking up water right away - to be nice and green throughout the season.

When deciding on where to place your tree, you want to place it in the coolest spot as possible. I know it can be hard to find the perfect place, that isn't in the middle of the room, but you want to keep it away from as much heat as possible. Avoid places near a fireplace, wood-burning stove, heat duct, and the television set. The heat put

off from places like these will cause excess water loss from your tree, causing it to die quicker. To make sure your tree stays healthy you will want to make sure the water reservoir for your tree stays filled. If the reservoir loses enough water to expose the bottom of the trunk you will have to recut the trunk again to expose new tissue.

I hope these tips and tricks will help you keep your Christmas tree green and healthy for the holidays. If you have any questions feel free to stop by or contact me in the in the Washington Office by calling 785-325-2121 or emailing khatesohl@ksu.edu.

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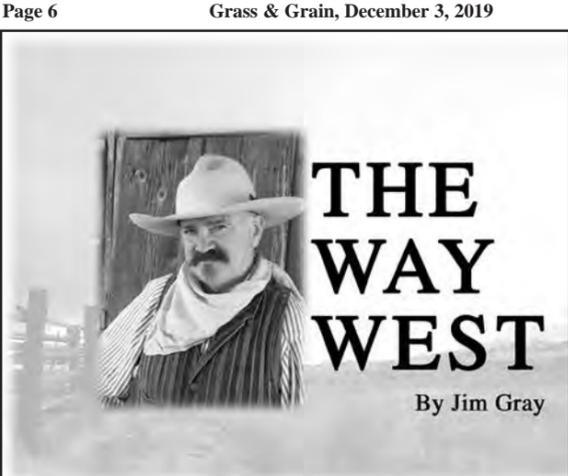
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THE WAY WEST

By Jim Gray

Buffalo Bill To The Rescue

By mid-October 1868, General Philip Sheridan's plan for an unconventional winter campaign against the Cheyenne and affiliated tribes was complete. Sheridan reasoned that a winter attack in Indian Territory would deliver a devastating blow from which the enemy could not recover. The campaign began November 5, 1868. The main force of Seventh Cavalry, two companies of Nineteenth Kansas Volunteer Cavalry, Pepon's Scouts

and five companies of infantry marched south from Forts Hays and Dodge. From Topeka, the main body of the Nineteenth Kansas approached the reservation villages from the northeast. From Fort Bascom, New Mexico, the Third Cavalry began their march to the east on November 18th. The Fifth Cavalry under Major Eugene Carr marched from Fort Wallace in western Kansas to Fort Lyon, Colorado. From there they were to move south-

east toward the North Canadian River. The plan was that the western columns would force any wayward warriors toward the main column. However, unknown to Carr, Custer's Seventh Cavalry had already attacked Black Kettle's camp on the Washita the morning of November 27th, four days before Carr led the Fifth Cavalry out of Fort Lyon on December 1, 1868.

Earlier on November 10th, Captain William H. Penrose, in command of elements of the Tenth Cavalry "Buffalo Soldiers," as well as the Third and Fifth Infantry left Fort Lyon before the Fifth Cavalry arrived. Penrose expected to move swiftly, taking supplies on pack mules instead of relying on wagon train support. Charles Autobee was Chief of Scouts over about a half dozen men including Wild Bill Hickok.

Carr and his command rode out of Fort Lyon on December 1, 1868. The first order of business was to join Penrose on Palo Duro Creek and thereafter establish a base camp

on the North Canadian River. Buffalo Bill Cody served as Carr's Chief of Scouts. December 1st dawned as beautiful as the finest summer day, making for a pleasant march of about twelve miles. The next two days were just as agreeable. By the evening of December 3rd the command was about fifty miles south of Fort Lyon, camped at the mouth of a deep canyon on Two Butte Creek (northwest of present-day Pritchett, Colorado). As the men retired for the night "everything appeared to be all happiness and contentment." But suddenly a cold wind came up and began to howl. Snow filled the air with blinding brutality. Tents blew down. Wagons rocked until they turned over. All the men could do was hunker down and suffer the bitter onslaught.

The storm abated a little before noon the next day. Wind-driven snow left only a few of the tops of the tents visible above the drifts. Most were completely covered. The men under the blown down tents were not so cold but near-

ly suffocated under the heavy snow. Even the horses could not get free from the drifts that nearly covered them. Sgt. Luke Cahill recalled, "The confusion was terrible, and no tongue could tell the misery of that command."

The hard work of digging everything out began soon after the storm passed. The grueling task continued through the night until noon the next day. Four of the guards that had been posted outside of camp were found frozen to death. The cattle herd that was intended to supply fresh beef to the soldiers drifted with the storm and was completely lost. Thirty-six horses and mules were found dead. As the men prepared to continue the march toward the Penrose command the adjutant named the location of that dreadful camp "Freeze Out Cañon."

Buffalo Bill was sent ahead with four scouts in search of Penrose. Temperatures fell to a cruel thirty below zero at night. Cody located an old camp left by Penrose along the Cimarron River, but the

snow had obliterated the trail. On December 19th Cody found two half-starved Buffalo Soldiers crossing the barren wasteland. From them he learned that the Penrose command had been on quarter rations for two weeks and was nearly out of food.

Two days later, December 21, 1868, Buffalo Bill, guiding two companies of cavalry and a pack train of supplies rode into the pitiful camp of starving soldiers. Buffalo Bill later wrote, "Almost the first man I saw after reaching the camp was my true and tried friend, 'Wild Bill.' That night we had a jolly reunion around the campfires." In spite of the terrible cold, life was good the day Buffalo Bill Cody rescued Wild Bill Hickok 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.

Kansas wheat crop in need of fall moisture

Wheat is a resilient crop, thanks in part to the cutting-edge genetics that modern varieties have, but even the hardiest of plants need a rain every now and then. At the November 19th meeting of the Kansas Association of Wheat Growers, board members from across the state reported on current crop conditions and expected acres in their areas.

One theme through the meeting was the need for a refreshing drink for newly

planted wheat. While subsoil moisture is adequate in many areas of the state, the moisture below our feet is quickly being used up while the top soil statewide is 'bone-dry.' Michael Jordan, Beloit, reported that his local weather station has only recorded one precipitation event of 0.02" of moisture since his wheat was planted. Chris Tanner, Norton, said that his area has seen no measurable precipitation since the third week of August.

While the lack of moisture is a serious hurdle for newly planted and emerged wheat, it did make for a quick fall harvest for many farmers. This is a stark contrast to last year when substantial rains led to delays in fall harvest which meant that many expected acres of wheat were left unplanted. This year's efficient fall harvest means that wheat acres in central Kansas may be up in comparison to 2018, but board members in nearly all other areas of the state reported either a drop in acres (around 10-15%) or acres left unchanged.

Kyler Millershaski, Lakin, reported that 75% percent of his planted acres is up and have a good visible stand, but the rest is yet to emerge. The lack of moisture will hinder root development, so Millershaski is predicting that grazing in the area will be too risky of an endeavor unless some

moisture starts to help develop those root systems.

Justin Knopf, Gypsum, said that acres in his area may be increased, but farmers have run out of moisture to justify planting more acres. Knopf's area was hit particularly hard with rains and flooding last year, so to go from finding a fish in the middle of a wheat field (something that really happened to him after flooding had receded) to needing a rain to get next year's crop 'off the ground' highlights the extremes that farmers have to work through year after year to raise their crops.

Knopf has mentally split his crop into thirds. He said the first third that was planted looks pretty decent at the moment. The middle third is emerged, but looks mediocre and has little root development. The last third has not emerged yet.

Michael Jordan also reported that a sharp decrease in temperature toward the end of October meant extreme damage to his newly planted wheat.

"About two to three days after it emerged, temperatures plummeted to about 4 degrees Fahrenheit and killed those

plants to the ground. I'm not sure if it will come back or not," Jordan said.

Eric Sperber, Colby, has heard a mixed bag of acre reports from his area. Sperber, an associate board member, has a unique perspective with the connections he has with his clients at Cornerstone Ag, the company where Sperber is the CEO. These customers help him get the big picture of production in the area. While some producers are decreasing acres due to low grain prices, he reported that one producer will be increasing his planted acres 25%.

"He said that he's found wheat is a really important part of his cropping rotation," Sperber said. "After years of planting dryland corn on dryland corn, he recognized that he needs to add wheat back into his rotation to deal with weed pressure and a host of other agronomic reasons. Planting shouldn't just be based on the economics of the grain across the scale at this point; wheat offers many other advantages in a modern farm operation."

Sperber also reported that hard white wheat acres will be slightly higher than last year in

the Colby region. Jay Armstrong, Muscotah, agreed on the unseen value in wheat in his area.

"The grain price is down, which means that the already limited planting in my area will decrease even more," said Armstrong. "But that means the price of straw will be good and that'll help cover costs."

Chris Tanner said that many in his area are looking forward to 2019 coming to an end, as it was a tough year for farmers across the country. The noticeable lack of rain in the area will put even more pressure on next year's wheat crop. Tanner reported that he has already penciled in the numbers for harvest 2020, and in order to break even on costs, he'll need to raise 80 bushels to an acre, a number that quickly feels further out of reach with each dry day.

Ken Wood, Chapman, also reported the cold snap a few weeks causing visible damage to his crop.

"I'm not sure how much this damage this freeze will have on the final yield numbers, but the wheat sure doesn't look pretty," said Wood. "It's amazing how much difference a year can make. Last year at this time we were drowning. This year our crop just really needs a rain."

While these farmers have very different farming operations and recipes for success on their own land, moisture is the key that can make or break-even the crop raised with the best management practices currently available. Maybe this quote, from an unknown author, frames it best. "Man — despite his artistic pretensions, his sophistication and his many accomplishments — owes his existence to a six inch layer of topsoil and the fact that it rains."

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I'm not sure any event across the state has gotten more people outdoors than the trek of the Union Pacific Big Boy recently. Thousands of people gathered at train stations and along the tracks. At Wallace, we went the extra

mile and hitched our mules, Minnie and Pearl, to the Butterfield Overland Stagecoach from the museum.

J.D. Perry drove the team with Mark Berry riding shotgun. Our distinguished passengers were: Tony Burnett,

from the museum; Chad Copeland from Valpraiso; Indiana; Travis Ochs, Boulder; and Jere Debacker, Denver. Dressed in a genuine beaver top hat and costumed in just the attire his great-great grandfather David Butterfield would have worn, Jere was a picture from the past.

The Fort Wallace Museum, along with so many other sites across the West, have marked the anniversary of the transcontinental railroad 150 years ago. Our "Trails to Rails" events this year have highlighted the impact of the railroad (some positive, some very detrimental to the Plains Tribes). Our challenge coin

this year featured the artwork of Barbara Bland, the stagecoach and the steam locomotive. When the Big Boy came through, we had the opportunity to recreate that very scene. The Fort Wallace Memorial Association's president, Jayne Humphrey Pearce, presented Ed Dickens and the crew of the Big Boy with challenge coins commemorating the epic journey.

One of our segments of *Around Kansas* (to air on December 4) features video taken along the way by some of our friends: Sue Ann Seel, Mary Lattin, Hayden Vyzourek, and Doug Whitson. The videos and photos

from the Big Boy's travels are just stunning. Some are shared on the *Around Kansas* Facebook page, and feel free to share yours!

I want to take time to thank my dear friend and cohort, Michelle Martin, who is our newest contributor to *Around Kansas*. Michelle taught many moons ago at Fort Scott Community College and volunteered at the Fort Scott NHS. Her passion for Kansas history is only equaled by mine! Watch *Around Kansas* regularly for Michelle's segments.

Another reminder: If you are looking for the perfect, one-size-fits-all gift for the

hard-to-buy-for person on your list, consider a membership to your local museum or historical society, and do your shopping in their gift shops. They often carry unique items that reflect a local flavor. Support them, and give a wonderful gift in the process!!!

Deb Goodrich is the host of the Around Kansas TV Show, the Wednesday feature of AGam. She serves as the Garvey Texas Foundation Historian in Residence at the Fort Wallace Museum and as the chair of the Santa Fe Trail 200. Contact her at author.debgoodrich@gmail.com.

Clay in dairy cattle feed has multiple benefits, according to Illinois research

Dairy producers frequently add clay as a feed supplement to reduce the symptoms of aflatoxin and subacute ruminal acidosis (SARA) in lactating cows. In a new study from the University of Illinois, researchers show that clay can also improve the degradability of feedstuffs.

"Farmers are giving this clay, but they want to know if the corn silage or hay the cow is eating is affected. We found that yes, the clay is changing the way the cow degrades feedstuffs," says Phil Cardoso, associate professor in the Department of Animal Sciences at Illinois and co-author of the *Animal Feed Science and Technology* study.

Cardoso and his team tested the degradability of six feedstuffs – dried alfalfa hay, grass hay, wet brewer's grains, ground corn, corn silage, and soybean meal – along with no added clay, 1%, or 2% of dietary dry matter.

The researchers placed the feedstuffs into mesh bags and inserted them directly into the rumen through a cannula or fistula, a surgically installed portal that allows the contents of the rumen to be sampled for research purposes. The bags were then drawn out at multiple time intervals (two hours to four days) and analyzed.

"There were some differences in how the feedstuffs degraded over time. When clay was added to grass hay at 2% of dietary dry matter, the digestibility and usage of the fat in that material was maximized. It's better. And we didn't see a decline in degradability of the other feedstuffs, either," Cardoso says. "Overall, to maximize the benefits of clay, we'd recommend adding it at 1 to 2% of dietary dry matter."

Cardoso's previous research has shown that multiple types of clay are effective in handling aflatoxin, a toxic substance produced by fungal contaminants on feed. When the toxin is bound up by the clay, it is simply excreted from

the cow's body, rather than being absorbed in the bloodstream. And a 2018 study by Cardoso's team showed that aluminosilicate clay improved cows' immune function and reduced liver inflammation during an aflatoxin challenge.

Cardoso says, "From all of our work on this, I can tell producers whenever they are facing the risk of aflatoxin, they should consider using clay without worrying about it binding other minerals or hindering forage digestibility. Rather, we've shown digestibility could increase. Of course, it's important to ensure the specific clay product has been tested."

Clay's benefits don't stop there. Because the material attracts and binds positively

charged ions, clay can make the rumen less acidic. This is important particularly given the popularity of increasing grain concentrates in TMR feed, which can lead to SARA. In a 2016 study from Cardoso's group, cows challenged with excess wheat in a TMR diet produced more and higher-quality milk and had higher rumen pH when fed bentonite clay at 2% of dietary dry matter.

"Basically, clay has all these benefits: It reduces aflatoxin toxicity, works as a pH buffer, and also improves the degradability of some feedstuffs," Cardoso says. "Producers should know this."

The article, "Improvements of in situ degradability of grass hay, wet brewer's grains, and

soybean meal with addition of clay in the diet of Holstein cows," is published in *Animal Feed Science and Technology* [DOI: 10.1016/j.anifeeds.2019.114331]. Cardoso's co-authors include M.E. Hollis, R.T. Pate, S. Sulzberger, A. Pineda, Y. Khidoyatov, and M.R. Murphy. The research was supported in part by United Minerals Group of Ukraine and USDA NIFA. The Department of Animal Sciences is in the College of Agricultural, Consumer and Environmental Sciences at the University of Illinois.

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Kansas State University nutrition specialist Sandy Procter says parents are serving up a lot more than nutritious food when they insist that their families eat meals together.

"We could spend hours discussing the benefits," said Procter, who is also an assistant professor of food nutrition and dietetic health. "In all the research I've seen, the more meals that families eat together, the more positive results that are seen in the individual and the family unit."

Procter said even toddlers benefit from being with family during meal time.

"This is where a lot of useful conversation happens, and young children who aren't able to speak yet are really picking up on language development and formation," she said. "It's shown to be a benefit to them as they're getting a start at processing words and interacting with conversation."

As youth grow into the teen years, Procter adds, family meals provide grounding and "a connectedness" to the

family's values.

"We know from research that young pre-teens and teens are less likely to have anti-social and or delinquent tendencies if they have more family meals," Procter said. "There are some grounding benefits to meals that reach well beyond just the fact that it's nice for parents to know where everybody is at for a short period of time."

Procter has developed a publication, Everyone to the Table: Family Meals Serve Us Well, in which she cited stud-

ies indicating that only 40% of teens say they eat meals with family three to six times per week. One-third of those surveyed reported eating with their family two or fewer times the previous week, and 14% said they had no family meals.

"Eating together more than five times a week has been found to be linked to better mood and better mental health for kids in the school years, meaning ages 6-10 and teens," she said. "Sometimes our schedules get so crazy and it's hard to make it happen. People

need to be a little forgiving of themselves and know that it won't happen every meal, but when you can make it happen, it's well worth the effort."

Procter served up a few more thoughts to get the family together around meals:

Don't limit family meals to dinner. "If family meals happen at breakfast, that's great," she says. The family's schedule may only allow for morning meals on some days, and evening meals on others. Be flexible.

Share in the work. Older

children may be able to do some of the cooking, while setting the table is more appropriate for others. "Encourage time when everyone is focused on the task. Some of those conversations are more true and meaningful than they might be otherwise," Procter said.

Put down the phone. Electronics are a distraction to productive family conversations. "We used to say in my family that the cell phone is not a member of the family. The TV is not a member of the family. So, they are not included in family meals," Procter said.

"The research around family meals suggests that if your family is one of those that doesn't have spontaneous conversation, then maybe you could try conversation starters, such as, 'What are two things that you learned today that surprised you,'" she said.

"We used to laugh about those in my family; we felt like we needed flags or conversation stoppers because everyone tried to talk at the same time. But every family is unique and it may take practice to get those conversations to flow."

For more tips on family nutrition and health, visit <https://www.ksre.k-state.edu/human-nutrition>.

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Washington County FFA agronomy team is 2019 Reserve National Champion; Otott places first

In team competition, the Washington County FFA chapter represented Kansas in the National Agronomy Career Development Event in Indianapolis, Ind. The team first had to earn the right to compete at the national level by winning the state competition in May in order to advance. The team, consisting of Grace Otott, Luke Gauby, Alyssa Kern and Michaela Jueneman, finished as Reserve National Champion.

Individually, Otott led the way placing as the First Place Individual overall. Kern finished tenth, Gauby placed 12th and Jueneman placed 13th overall out of over 130 individuals competing in the National Contest from all the state-qualified teams. As the top individual in the nation, Otott received a \$1000 cash award and was recognized during the Final Session of the National FFA Convention on stage, broadcast live on RFD-TV. Kern, Gauby and Jueneman each received a \$400 cash award for their achievements.

Otott is the daughter of Jeff and Nancy Otott, Gauby is the son of Gary and Tricia Gauby, Kern is the daughter of John and Lisa Kern, and Jueneman is the daughter of Michael and Elaine Jueneman, all of Washington, Ks.

The national contest is a great deal different than the state competition. They had to



The Washington County FFA Chapter Team placed 2nd overall in the National FFA Agronomy Competition in Indianapolis, Indiana. Pictured are, from left: Advisor John Kern, Luke Gauby, Alyssa Kern, Grace Otott and Michaela Jueneman.

learn over 200 crop plants and weeds in their vegetative stages and seeds, 45 insects and their characteristics, analyze seed samples to determine impurities, answer questions pertaining to soil properties and structure, interpret fertilizer tests and plant tissue analysis reports and apply these results to real world applications and give suggestions for management. Students learned to judge hay crops, vegetables, seed samples and forages, as well as analyzing forage laboratory test results dealing with TDN, ADF, NDF and protein levels. The students then had to provide written reasons describing the characteristics that allowed them to formulate

their decisions for selecting one sample above the others.

Grain Grading allows the student to evaluate two crop samples (corn, wheat or soybeans), determine the degree of damages, foreign material, dockage and impurities and requires the student to give the crop an official grade based on Federal Grain Inspection Standards that grain buyers and marketers would use in determining the value of the producer's grain. Another area includes recognizing disorders, diseases, damages and environmental factors that can effect crop growth and determining what areas of the plant have been damaged. Students must know all types of agri-

cultural equipment and what crop(s) that they are used for. Examples include harvesting and planting equipment for vegetable crops, potatoes, sugar beets, peanuts, cotton, and row crops and forages grown in the U.S.

The participants also had to participate in a "Team Activity" which was designed to challenge the students with creating a management plan based off of given information for a producer. The members were asked to analyze breakeven points, costs of production on a per acre basis and for the entire farm including herbicide, fertilizer, insecticide, tillage, planting costs, and seed prices. Members

were required to figure pure live seed and find the most economical choices. They had to determine the cost of actual nutrients in fertilizer and compare figures across several options in order to arrive at the most cost effective and productive recommendations for the producer. They had one hour to determine all of this information and then give a

ten-minute presentation to a panel of judges.

Since they have competed at the national contest, the students are now ineligible to compete in the FFA Agronomy career development event at the high school level. The National FFA Agronomy CDE is sponsored by Bayer Crop-Science as a special project of the National FFA Foundation.

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Cotton gains momentum in Kansas ag markets

(AP) — Jeff Preisser remembers the year he turned 18. It was 1995, the year his father, Larry, planted his first cotton crop.

Preisser was a senior in high school; he and his younger brother, Kurt, were on the cotton fields after school and on weekends stripping cotton, starting in the fall and ending in the spring. Once the cotton was harvested, the family took each bale to an old gin in Sterling. Preisser called the gin "primitive."

Preisser Farms was one of the first farms in Kansas to grow cotton in 1995 when the farm bill opened the market. The Preisers have grown cotton ever since. With fields in Reno, Pratt and Stafford counties, the family continues

to grow corn, wheat, soy and milo in addition to cotton.

"Cotton takes more management practices," Preisser said. "The wheat and grains weren't making much money."

Because of monetary gain, more Kansas farmers are growing cotton. Cotton crops line the Route 54 corridor and meander across the southern third of Kansas — all the way from Grant and Stevens counties to Cowley and Sumner counties, and as high up as Marion County. Cotton is on the move — replacing other crops in rotation.

Jon Oden, of Sterling Heritage Farms in Lyons, has worked the land for more than a quarter of a century. Every once in a while, he put a new crop in his rotation, decreasing

his milo fields. A few years ago, he tried canola. Then he grew sunflowers. He was not happy with either crop, but two years ago, he tried cotton. It stuck.

"I plan on keeping cotton. It works well in our sands," Oden said. "Last year was a really good year."

During the past three decades, times have changed in growing and stripping cotton. The Sterling gin closed and four new gins were built. These four Kansas gins either expanded last year or are in the process of expanding — increasing capacity and upgrading.

"Harvest is going like gangbusters," said Rex Friesen, Ph.D., a consultant for the Southern Kansas Cotton Growers. "The yields look quite good, and the quality looks quite good, as well. I'm really excited."

Kansas gins are located in Moscow, Anthony, Pratt and Winfield — in Stevens, Harper, Pratt and Cowley counties. The SKCG's gin in Winfield opened in 1996; their Anthony gin started three years later. As of 2019, there are more than 400 active cotton producers

in Kansas.

Jon Nesler, the general manager of the Northwest Cotton Growers Co-op gin said he keeps getting more and more interest from farmers in growing cotton.

Growing cotton is not new to Kansas. The crop was introduced during the late 1800s and remained active through the turn of the century. It made a small resurgence in the 1980s in Sterling and Cowley counties. Farmers in Cowley brought their cotton to Oklahoma to be ginned.

"Cotton is a great rotation crop," Nesler said. "It's a way to continue to make money."

Growing cotton has many benefits. For one, the crop needs less water than many other crops.

"It's heat-tolerant and drought-hardy. It is actually quite water efficient. Its return per inch of water supplied is very efficient," said Stewart Duncan, Ph.D., a northeast area and soil specialist in the department of agronomy at Kansas State University. "The profit potential is tremendous."

Duncan said cotton handles heat better than soybeans

and works well in a wheat/corn rotation.

"The vast majority of our (Kansas) acres are dryland," Friesen said. "We have nearly the perfect climate for growing dry cotton. It uses 50% to 60% of the water that corn uses. Last year, we had record acres and record crops — somewhere near 100,000 acres."

Both farmers and experts agree cotton has a different dynamic in the soil. They noticed crops following cotton benefit.

"We have growers tell us they get ten bushels more on wheat following cotton," Friesen said. "By growing cotton, we can clean up a lot of weed problems."

Typically in Kansas, cotton is planted in mid-May and must be finished planting by the first of June. More farmers want to grow cotton, but they are not sure if cotton can grow in their region. The Kansas State Extension Office is running tests to see if cotton can grow in Pawnee, Barton and Colby counties. They are using long-term simulation models and field research.

Because the price of a cotton stripper runs somewhere north of half a million dollars, many cotton growers hire out people to strip their cotton. Others, like Preisser, custom cut.

Although cotton offers several benefits, there are risks associated with the crop.

"It's an expensive crop. It's risky. It's management-intensive," Friesen said. "You need to manage insects and weeds. But the potential for return is excellent."

In addition, the crop needs to be fertilized.

Kansas cotton is affected by bollworm, cotton fleahopper and the tarnished plant bug. It is also susceptible to 2,4-D drift.

"It's a lot more work," Preisser said. "You have to spray it a lot."

Unfortunately, last year's wet spring stopped many farmers from planting their expanded cotton crop.

"We had more interest in cotton again this year, but the weather conditions didn't allow them to get it to grow," Nesler said. "We did have fewer acres planted because of the weather, but the cotton looks excellent."

Even though the weather was a factor in how much cotton Southwest Family Farms

in Kismet in Seward County grew, the family operation was able to plant most of their 1,000 acres they dedicated to cotton.

"Our crop is about average this year due to a cool, wet spring," said Clint Reiss, a sixth-generation farmer. "This affected the germination of the seed."

Steve Dillon has planted cotton on his field in Arlington for three years. He said because of the spring planting season, this year was challenging.

"I started growing cotton because of sugar cane aphid in the milo," Dillon said. "There has been a learning curve."

Of the 1,600 acres Dillon set aside to grow his dryland cotton on, he was only able to plant 480 acres. Because of the weather, he switched the other acreage to soybeans and milo.

Even with the cotton he did plant, he thinks his crop is not as good as last year's.

"The stand isn't as good as it should be," Dillon said.

Similar to the others, Oden planted just 40% of what he intended. But he is expecting a good yield.

"It (the crop) might be a little bit below average," said David Lingle, the general manager of Next GINeration Cotton Gin in Pratt. "It's a more compact plant. The yield is going to be down some."

As of Nov. 10, the USDA and K-State Extension reported cotton conditions at 44% good to excellent and 56% poor to fair. One quarter of the cotton planted in Kansas was harvested as of Nov. 10. This is equal to the average and way ahead of last year.

The USDA reported on Nov. 8, nationally, all harvested cotton is forecast at 12.5 million acres. This is up 23% from last year. Friesen said because of the spring rains and consequently less cotton planted, Kansas' acreage with be less than expected.

Although fewer crops were planted throughout the state, more farmers are planting.

The USDA ranks Kansas No. 14 in share of U.S. receipts for cotton in 2018. Texas, Georgia, California, Mississippi and Arkansas are the top five.

"It's keeping the economy growing around here while the grains are down," Preisser said. "It's all about the bottom line."

AUCTION

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SHOP EQUIPMENT: Forward 10k car lift, Grizzly bead vertical blaster cabinet w/vac; Smart Washer bio parts washer; Enviro Quip enclosed auto parts washer for engine blocks; Coats 875 tire balancer; Cemb 825 tire changer, air pneumatic; sm. metal lathe, 24" bed; lg. micrometers in wood case; sm. micrometers set in wood box; 2 hyd. engine lifts; bumper air lifts; several floor jacks; 100 lb. anvil (good); Alemite on car tire balancer; Beeline alignment system w/stand; Mac McPherson strut compressor (mod MST720); several engine & trans. stands; hyd. power packs; assorted alternator & starter testers; lg. 6" vise on stand & other vises; floor mod. powermatic drill press; hydraulic press w/30 ton hydraulic jack; Pro Cut on car brake lathe; Sun Vat-40 alternator tester; Sioux valve grinder; Ammco hydro lathe for rotors; Kleentec Brake parts washer on wheels; OTC 10 way hammer puller set; 3/4 drive OTC socket set; many impact & air tools; many engine head rebuild equipment; modern alignment tools; Posi lock gear pullers; clutch stand tools; Snap On sensor tester; Snap On Vantage Pro; front wheel drive engine support stands. **ELECTRICAL EQUIPMENT:** Megatech Dynameter (mod DG-1); Robinair AC recovery (mod SPX); Sun distributor tester w/manual (mod504); Steelman Engine Ear; OTC 6080 Cummins diesel fuel pressure test kit; Otc 5609 cylinder leakage tester kit; Provision inspector tool; AC leak detector; Midtronics mod 225 elec. system analyzer; Blue Point AC leak testing equipment; Neutronics refig identifier; Mityvac fluid evacuator; 2 hydro prts lifter; Pico diagnostic scope w/HP lap top; Ferret 40 battery/alt. tester; Protol emissions tester; Sun mod MCA 3000 computer analyzer; Mac fuel injection tester; 30' retract test lead; Wadkon relay tester; Mac VMC series emission center; OTC brake out box; Vac brake bleeder; disc brake system analyzer; relay testers; asst. elec. testers; pressure bleed adapt kit; OTC tire press monitor; Frowler starter tester; teaching aid ABS system anti lock brakes; Megatech AC training system; Transtech transmission service system. **OTHER SHOP ITEMS:** Large selection metric mechanic tools several metal work benches, some with vises; NAPA creepers; work stands w/folding legs; Wynn's bulk recycler; many auto manuals; pressure washer; air grease guns; lg. metal parts bins w/60+ bins; assorted cabinets & shelves; 11 drawer tool & parts cabinet on wheels. **VEHICLES:** 2011 Chevy V6; 1994 Ram 3500, Cummins engine, turbo, 4WD; 1997 Silverado club, 163K, 5 liter, V8. **AUCTIONEER'S NOTES:** This is only a partial listing of the things to be liquidated. Lunch will be served.

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

THIS WILL BE A LARGE SALE. Lunch will be served.
SELLER: USD 435
See KansasAuctions.net/Reynolds for pictures & listing.

REYNOLDS AUCTION SERVICE
 ABILENE & CLAY CENTER
RANDY REYNOLDS: 785.263.5627
 landmanrj@gmail.com
 GUEST AUCTIONEER: Greg Kretz, 785-630-0701

LAND AUCTION

677± Acres • Wabaunsee County, Kansas



Friday, December 20, at 10:00 AM
at the Wells Creek Church
 25043 Wells Creek Road, Belvue, Kansas

- Combination pasture, recreational ground, timber, dryland, and expired CRP property offered in three tracts
- All located southeast of Wamego and Belvue in a two-mile radius

For property details, please contact:

Farmers National Company
Fred Olsen, AFM/Agent
 Manhattan, Kansas
 (785) 320-2033 or (620) 285-9131
 FOlsen@FarmersNational.com
 Auctioneer: Van Schmidt www.FarmersNational.com/FredOlsen

www.FarmersNational.com
 Real Estate Sales • Auctions • Farm and Ranch Management
 Appraisal • Insurance • Consultation • Oil and Gas Management
 Forest Resource Management • National Hunting Leases • FNC Ag Stock

2-DAY AUCTION REMINDER

Auction located at the Clay Center National Guard Armory, 12th & Bridge Street, CLAY CENTER, KANSAS

DAY 1: LARGE TOY AUCTION
SATURDAY, DECEMBER 7 — 9:00 AM
 Doors open at 7:30 a.m. for viewing.

We will be selling over 700 toys. 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.

DAY 2: GUN & COIN AUCTION
SUNDAY, DECEMBER 8 — 11:00 AM
 Doors open at 9:00 a.m. for viewing.

GUNS: Selling will be 142 rifles, pistols and shotguns as well as accessory items. Some of these guns have rust issues but most are nice and some are in excellent or exceptional condition.

COINS: A collection of 85 lots of coins including over 100 silver dollars and other collectible and commemorative coins. The coins will be sold intermittently during breaks from selling guns.

CLERK: Shirley Riek, 526 Frederick, Clay Center, Ks. 67432

Go to kretzauctions.com or kansasauctions.net for listing & many pictures! A full printable catalogued gun listing is available!

DELMER KAHR'S ESTATE, SELLER
 Auction conducted by: **Kretz Auction Service**
Greg Kretz, Salesman & Auctioneer: (785) 630-0701
Guest Auctioneers: Randy Reynolds & Morgan Riat

RED HOT DEALS ON USED VOLVO VNL730s

43 UNITS AVAILABLE!

2015 VOLVO VNL730	2016 VOLVO VNL730 64T
455 HP, D13 ECO TORQUE ENGINE, I-SHIFT TRANS, AIR RIDE SUSP 227" WHEELBASE, 51,200 GVWR DUAL 100 GAL FUEL TANKS STK #8P43A, 591K MI	MID ROOF 77" SLEEPER, 455 HP, D13 DIESEL ENGINE, I-SHIFT TRANS, AIR RIDE SUSP, 229" WHEELBASE, 53,200 GVWR, DUAL BUNKS STK #3P1024, 473K MI
\$39,900	\$59,900

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 3915 RANDOLPH RD | KANSAS CITY, MO 64161

PERSONAL PROPERTY AUCTION

SATURDAY, DECEMBER 7, 2019 — 10:00 AM
AT 2323 N JACKSON STREET — JUNCTION CITY, KANSAS

FURNITURE & APPLIANCES: Love seat; 43" Samsung TV; TV stand; drop-side coffee table; lamps; hanging mirrors; twin box spring & mattress; Qn. bed, head & foot board, 2 night stands; modern Oak table w/4 chairs; GE refrigerator w/top freezer; food dehydrator & more.

GLASSWARE & COLLECTIBLES: Cuckoo clock; copper canister set; flatware; Pyrex baking dishes; Xmas decor and S&Ps; Mr. Xmas Musical Holiday Carousel; Pooh Bear & Mickey Mouse light sets; Hallmark Star Wars ornaments; Roadster ornaments; Tom Thumb metal cash register; Carnival Violin Model 175; Coca-Cola dominoes; Buddy-L cash register; 6 Cabbage Patch Dolls; games; Narumi China setting of 12-early 50s; Corningware; Fire King bowls; Walker of London tea pot & cups; wooden Mandolin; King Co. Seed Box; cookie cutters; Coleman Lantern #200 Red; Coleman Lantern #242 Green; Deitz Lantern #20; Sawyers View Master w/36 reels; sm. John Deere lunch box w/cars inside; children's books; Mother Goose book copyright 1932; W.C. Fields chalk figurine. **EQUIP., TOOLS, FISHING & MISC.:** Stanley plane #45 in orig. box; Murray 21" push mower & 32" riding mower; Fast Start row tiller; sm. tank air comp.; Power Craft table saw; drills, sanders, circular saws, Homelite chainsaw; alum. ext. ladder; fishing poles; Heddon Zig Wig lure; Fishing reels; var. wood & block planes; Craftsman table saw; lathe w/motor & More!

DARRELL & LUPE JORDAN & OTHERS
 Terms: Cash, Check & Credit Card.
 Lunch by White City Christian Church
 Subject to 5% BUYER'S PREMIUM
JAY E. BROWN, Auctioneer,
 785-762-2266 • C: 785-223-7555
GREG HALLGREN, 785-499-5376
 KansasAuctions.net • E-mail: jbrown@ksbroadband.net

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Charolais Bulls For Sale Private Treaty

- > Ready to go to work 18 month old bulls
- > Moderate, easy doing and powerful
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- > Longevity
- > Closed herd providing more consistency of favorable trait reproduction
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Grass & Grain Area Auctions and Sales

Online only auction (bidding opens Dec. 4; soft closes Dec. 11) — Selling approx. 250 lots from closed Gt. Bend Store including shelving, plumbing supplies, humidifier, tools, electric appliances, cooking equipment, garden supplies, mini blinds, electric grills & smokers, porch swing, large selection of Anchor Hocking, light fixtures & more held at <https://hollingerauction.hibid.com/auctions/current> for Pride Ag Resources. Auctioneers: Hollinger Auction, Jim & Mary Hollinger.

Online online (ends Dec. 10) — Taxidermy, AMI juke box, pool table, antiques, furniture, bronze statues, buffalo rug, handmade bedroom furniture, art, vintage roulette table held online at www.sundgren.com. Auctioneers: Sundgren Auction.

Online now (ends December 10) — Premier Military Collectors firearm auction including Sharps & Hankins, Merrill, Burnside & others, Nambu pistols, sporting arms inc. rifles, shotguns, also a 1964 Chevy El Camino and 1969 Chevy Impala, US \$500 bills, US \$1,000 bill held online at www.ArmsBid.com or www.proxibid.com/Kull. Auctioneers: Kull's Old Town Station, Dan Kull.

Online Antique Tractor Auction (proxy bidding opens Dec. 11; bidding opens December 16) — Selling 40+ tractors in an absolute auction held at www.AbileneMachineryAuctions.com.

December 2 — Farm machinery & livestock equipment held in NW Dickinson County near Longford for Verl Wolf Estate. Auctioneers: Kretz Auction Service.

December 2 & 3 — Selling both days: moving & appliance dollies, yard tools, moving ramps, pallets, ladders & more; selling Dec. 2: Shop & tools, yard & garden, heavy equipment & motorcycle, collectibles, electrical, HVAC & building supplies & misc.; selling Dec. 3: Vehicles, trailers, heavy equipment, furniture, household, appliances, shop & tools, electrical, HVAC & building materials & misc. held at Topeka. Auctioneers: Crossroads Real Estate & Auction, LLC.

December 3 — 231 acres m/l of Republic County land selling in 3 tracts including cropland, pasture & grass held at Courland for Sue Nelson. Auctioneers: Hansen Auction & Realty.

December 3 — Farm equipment & other farm items, trucks & pickup, livestock items, antique farm items, shop items, antiques & collectibles held south of Leoti for Raymond & Charlene Dirks. Auctioneers: Berning Auction, Inc.

December 3 — 389.10 +/- acres Pratt County cropland & pasture to sell in 3 tracts held at Pratt. Auctioneers: Farmers National Company.

December 5 — 2 bedroom, 1 bath home along with just under 4 acres held at St. George. Auctioneers: Crossroads Real Estate & Auction, LLC.

December 5 — 3 bedroom, 2 bath home, full basement, fireplace & more held at Wamego. Auctioneers: Crossroads Real Estate & Auction, LLC.

December 5 — Bred Cow Special sale including bred heifers, cow/calf families, bred cows held at Beatrice Livestock Sales in Beatrice, Nebraska.

December 6 — Storage Unit Wars auction 6 units selling in their entirety, 2 units selling by the item including tools, medical supplies, antiques, furniture & more held at El Dorado. Auctioneers: Sundgren Auction.

December 7 — Furniture, appliances, glassware, collectibles, equipment, tools, fishing & misc. at Junction City for Darrell & Lupe Jordan and others. Auctioneers: Brown Real Estate & Auction Service, LLC.

December 7 — Ag Business retirement auction including complete seed treatment equipment, chemicals, sprayers & parts, trailers, trucks, belt conveyors, plastic water tanks & lots of miscellaneous held at Valley Falls for Valley Ag, Brian Lane. Auctioneers: C4 Sales & Auction, Harris Auction Service with auctioneers Dan Harris & Cody Askren.

December 7 — Retirement farm equipment auction including tractors, trucks, farm equipment & other farm items, livestock items, tools & shop, antiques held near Dighton for Nelson Schwartz. Auctioneers: Berning Auction, Inc.

December 7 — Real Estate (10 acres Washington County land with 1977 manufactured home, barn, shop & other small buildings); ATV, trailers, shop & yard tools, guns & more held at Hanover for Kenneth & Marcella Craig. Auctioneers: Raymond Bott Realty & Auction.

December 7 — Farm machinery, lawn & garden, trailers, truck, buildings, hay, cattle equipment, antiques, guns, feed bin, misc. & more held at Eureka for Rocky & Barbara Strickler. Auctioneers: Larry Marshall Auction, Larry Marshall & Mark Garretson.

December 7 — Selling house & lots, 8N Ford & equipment, vehicles, trailers, antique farm implements, lots of antiques & collectibles,

tools, welders, shop equipment, wood stoves, propane tank & lots more at Aliceville. Auctioneers: Kurtz Auction & Realty Service.

December 7 — Over 1,000 toys held at Clay Center for Delmer Kahrs Estate. Auctioneers: Kretz Auction Service.

December 7 — Real Estate & personal property including 6 BR, 5 BA home; and a 30x80 business building on 1 acre m/l and personal property held at Manhattan for All About Quilts closing auction. Auctioneers: Crossroads Real Estate & Auction, LLC.

December 7 — Consignment sale held at Salina. Auctioneers: Wilson Realty & Auction Service.

December 7 & 8 — selling 12-7: Indian item collection including jewelry, pictures, blankets, prints & collectibles and Halloween & Christmas items; selling 12-8: Furniture, dolls, toys & collectibles held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

December 8 — Guns & coins held at Clay Center for Delmer Kahrs Estate. Auctioneers: Kretz Auction Service.

December 9 — 3BR, 1BA Home & 4.7 acres held at Manhattan for Loretta J. Swart Trust. Auctioneers: Gannon Real Estate & Auctions.

December 9 — 160 acres m/l of Lyon County prime Native Tall Grass Pasture with 2 ponds held at Osage City for Estate of Adelia Pearson. Auctioneers: Mill & Midyett Real Estate, Wayne Wischropp.

December 9 — 160 acres m/l of Lane County cultivation land held at Dighton. Auctioneers: Farmland Auction & Realty Co., Inc.

December 10 — 80 acres m/l of McPherson County land held at Canton for Randy C. Hamilton. Auctioneers: Van Schmidt Auction, Farmers National Company.

December 10 — Farm Machinery & equipment auction at Cheyenne Wells, CO. Auctioneers: Farm & Ranch Realty, Inc.

December 12 — 4 irrigated quarters NW of Dodge City in 4 tracts. Auctioneers: Farm &

Ranch Realty, Inc., Don Hazlett, broker.

December 13 — 183 acres m/l Russell County cultivation & grass held at Russell. Auctioneers: Farmland Auction & Realty Co., Inc.

December 14 — Tractors, Gators, pickup, trailer, farm machinery, tools & misc., grain bins, household & more held at Berryton for Mr. & Mrs. Gailand Kennedy. Auctioneers: Wischropp Auctions & Real Estate.

December 14 — Ford Tractor, machinery, storage container, personal property held near Waterville for Sheldon Pishny. Auctioneers: Olmsted & Sandstrom.

December 14 — 155 acres m/l of Ottawa County pasture land held at Minneapolis for Carol Tilton. Auctioneers: Midwest Land & Home, Mark Uhlik, Jeff Dankenbring.

December 14 — Liquidation of the entire auto mechanics class of Abilene High School including car lifts, automotive tools, diagnostic equipment, engine hoists, valve grinders, brake equipment, complete line of automotive & shop equipment held at Abilene for USD 435. Auctioneers: Reynolds Auction Service.

December 14 — 156.06 acres m/l of Nemaha County farmland held at Centralia for Alfred Roeder Trust. Auctioneers: Cline Realty & Auction, LLC.

December 15 — Approximately 150 guns for an estate auction held at Salina. Auctioneers: Wilson Realty & Auction Service.

December 17 — 195 acres m/l of Dickinson County land consisting of premier deer & duck hunting, pasture, timber, farmland, trophy white-tail bow hunting farm held at Woodbine. Auctioneers: United Country Real Estate Crossroads Auction & Realty.

December 17 — Absolute auction of 2,898 acres m/l in Haskell County, KS offered in 15 tracts held at Garden City for the Withers Farm. Auctioneers: Peoples Company Innovative Real Estate Solutions.

December 20 — 677 acres m/l of Wabaunsee County land including pasture, recreational ground, timber, dryland & expired CRP offered in 3 tracts

held at Belvue. Auctioneers: Farmers National Company, Fred Olson, Van Schmidt.

January 25, 2020 — 240 acres m/l of Washington County cropland held at Linn for Dianne Brooks. Auctioneers: Midwest Land & Home, Mark Uhlik, Jeff Dankenbring.

February 8, 2020 — Production sale at Leavenworth for J&N Ranch.

March 7, 2020 — Judd

Ranch 42nd Gelbvieh, Balance, & Red Angus Bull sale held at Pomona for Judd Ranch.

March 14, 2020 — Equipment, trucks & salvage held at New Cambria for Don Janssen Estate. Auctioneers: Reynolds Auction Service.

April 11, 2020 — Fink Beef Genetics Spring Angus and Charolais Bull Sale held at Randolph.

NCGA calls on EPA to follow law, keep RFS whole

The National Corn Growers Association (NCGA) has submitted comments to the Environmental Protection Agency (EPA) in response to EPA's supplemental proposed rule for the 2020 volume standards under the Renewable Fuel Standard (RFS) program.

Rather than addressing the impact of waived renewable fuel gallons based on exemptions actually granted by EPA, the proposed rule would use a three-year average of Department of Energy (DOE) recommended waivers. By using DOE recommendations, not actual waived gallons, EPA's proposal to redistribute any future waived gallons is half of what President Trump previously committed to farm-state senators.

"EPA's proposal does not ensure sufficiently accurate projections for waived gallons and, therefore, will continue to short-change the RFS when waivers are granted," NCGA president Kevin Ross wrote. "Farmers are once again asking EPA to uphold the law and the integrity of the RFS."

Since early 2018, EPA has granted 85 RFS exemptions to refineries for the 2016, 2017 and 2018 RFS compliance years totaling 4.04 billion ethanol-equivalent gallons of renewable fuel.

More than 1900 corn farmers have submitted comments to the EPA urging they follow the law and uphold the President's commitment to farmers and the RFS.

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place a classified ad renew a subscription

**** PERSONAL PROPERTY AUCTION ****
SATURDAY, DECEMBER 14, 2019 — 10:00 AM
LOCATED: From WATERVILLE, KS go 6 mi. South to Cottage Hill, then 2 mi. West on Cyclone Lane, then 1/2 mi. South. Follow signs!
FORD TRACTOR • MACHINERY • PERSONAL PROPERTY
Ford 600 wide front tractor; Howse 5' 3 pt. rotary mower; JD Van Brunt 13x7 Model FB drill w/seeders; 7' 3 pt. blade; Road Hog 5x10 utility trailer w/2" ball; Ford 2 btm. plow; Leinbach Model 97 6' tandem disc with notched cutters; 8'6" w x 48" l x 9' h Storage Container; 1 sec. harrow; 55,000 BTU portable heater; draw bars; top links; stabilizers; hitch pins; clevis; high wheel wagon scoop board; hand scythes & blades; T-posts; hand post driver; 2 gal. hand pump sprayer; plastic gas cans; jerry cans & holders; 2 wheel dolly; old wood doors; log chains; crowbars; orange snow fence; long handled tools; old police car light bar; 2 gal. lard press; mechanics creeper; rope; orange construction cones; grease guns; 3 gal. glass jug; 2'x4' collapsible table; misc. nails; gurney; chain binder; Genesis & misc. magazines; enamel canner; hump back trunk; pr. of canoe oars; Pyrex; paint supplies; wire stretchers; wood carpenters tool box; sewer snake; 3-4 drawer file cabinets; shop broom; adj. pruning saw; pegboard & hooks; lg. roll of black plastic; 11 gal. port. air bubble; Huffy 3 spd. Women's Bike; (4) 1935 Ford couple hubcaps; other items. **AUCTION NOTE: Short 1 1/2-hour auction so be on time! See websites for pictures.**
www.olmstedrealestate.com • www.marshallcountyrealty.com
SHELDON PISHNY

AUCTIONEERS			
Tom Olmsted 785-562-6767	Rob Olmsted 785-353-2210	Tim Olmsted 785-353-2487	Jeff Sandstrom 785-562-3788

****STORAGE WARS AUCTION****
FRIDAY, DECEMBER 6, 2019 — 4:00 PM
AUCTION LOCATION: 240 METCALF RD — EL DORADO, KS
6 Units Selling in their Entirety • 2 Units Selling by the Item!
* TOOLS * MEDICAL SUPPLIES * ANTIQUES * FURNITURE * MUCH MORE!
****ONLINE ONLY AUCTION!****
ENDS TUESDAY, DECEMBER 10, 2019 — 2:00 PM
* TAXIDERMERY * AMI JUKE BOX * POOL TABLE * ANTIQUES * FURNITURE * BRONZE STATUES * BUFFALO RUG * HANDMADE BEDROOM FURNITURE * ART * VERY HIGH QUALITY, WELL KEPT ITEMS * VINTAGE ROULETTE TABLE
Visit our Website for more details: www.sundgren.com
SUNDGREN AUCTION
JEREMY SUNDGREN: 316.377.0013 PHILLIP SOLORIO: 316.323.0218

LAND AUCTION
TUESDAY, DECEMBER 10, 2019 — 10:00 AM
Offering for sale at Public Auction, located at Canton Fair Ground, 1506 27th Ave., CANTON, KANSAS.
80 +/- ACRES MCPHERSON COUNTY LAND.
Legal Description: The N 1/2 of the SW 1/4 of 28-19-1W, 80 acres more or less, McPherson County Kansas. The soil consists of Lady-smith silty clay loam & Crete silt loam with an approximate slope of 0-3%. This tract consists of 77.95 acres of cropland, balance in trees & R.O.W.; 31.05 wheat base acres with a yield of 48 bu., 12.35 corn base acres with a yield of 121 bu. Land is located from the intersection of Canton, KS & U.S. Hwy. 56, 1 mile west & 1/2 mile south.
Attend this Auction prepared to BID AND BUY!!!
RANDY C. HAMILTON, SELLER
VAN SCHMIDT • Auctioneer/Real Estate
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Schmidt Clerks & Cashiers
Farmers National Company (402) 496-3276

REAL ESTATE AUCTION
MONDAY, DECEMBER 9, 2019 — 5:00 PM
2200 Casement Road — MANHATTAN, KANSAS
HOME & 4.7 ACRES
This 3 bedroom home has large living room/dining room, kitchen, one bath, utility room and full basement. The home has Oak floors. This home has various possibilities.
Buyer to pay 10% down day of Auction with balance due on or before December 27, 2019. Buyer & Seller to divide Cost of Title Insurance equally. The 2019 taxes and prior years paid by Seller. All inspections including lead base paint inspection to be completed prior to Auction at Buyer's expense if requested. **STATEMENTS MADE DAY OF AUCTION TAKES PRECEDENCE OVER ANY OTHER INFORMATION. OPEN HOUSE Monday, December 2, 2019, 4-5:30PM or by appointment by contacting Vern Gannon Broker/Auctioneer 785-770-0066 or Gannon Real Estate and Auctions 785-539-2316.**
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2-DAY AUCTION
SATURDAY, DECEMBER 7 & SUNDAY, DECEMBER 8, 2019
10:00 AM BOTH DAYS
Auction will be held in Kenwood Hall at the Saline Co. Expo 900 Greeley in SALINA, KS
SATURDAY, DECEMBER 7:
INDIAN COLLECTION, HALLOWEEN & CHRISTMAS Indian jewelry inc: rare 1927 Santo Domingo necklace & earrings, large assortment silver & turquoise many signed some Tasco; pictures, blankets; Indian girl beer advertising picture; 1976 Winchester "The Comanche Indian Chef; ATSF Indian prints; large collection of jewelry inc: Bakelite, quality costume; Bakelite buckles; collection buttons; large collection of Halloween, Christmas & Easter many unusual items. Many German die cut Halloween pieces; This is a very large collection, it will be a long day, check our pictures at www.thummelacuction.com.
SUNDAY, DECEMBER 8:
FURNITURE, DOLLS, TOYS, COLLECTIBLES
6' pine harvest table buttermilk pains; pine mustard jelly cupboard; pine corner cupboard; Pennsylvania walnut slant front desk; oak roll front file cabinet; tall pie cupboard w/tin sides; red tall pie cupboard w/tin sides; pine 2 door cabinet; pine kitchen cabinet; oak 48" S roll top desk; oak 1 door wardrobe; 12"x24" curved glass table showcase; 3'x4' floor showcase; horn table; sow belly cabinet; painted curved glass china cabinet; Hoosier helper; Apex green & white gas cook stove; walnut parlor table w/marble top; handmade Mexican secretary; walnut railroad desk; folding stroller high chair; oak high chairs w/flip trays; 10 drawer work bench w/vise; small Farm Master incubator; Globe Wernicke card file; pine base cabinet; Harry Roseland original pictures; signed Calvary picture; assortment of other good pictures; 5 Samplers; advertising pictures; Fred Harvey post cards; several wooden dough bowls; Santa Fe items inc: pictures, oil cans, box, other; LIP calendar; railroad broom; Lionel cardboard ad; quilts inc: name; Pendulum blanket; ladies clothes; linens; Victorian table clothes; cowboy boots; Bakelite purses, radios, pianos; blue granite pieces; bird platter sifter rare; Ton & Jerry egg nog set; Jadite cake pedestal; Pyrex bowl sets; assortment of other kitchen items; **Dolls & Toys:** 1850's Pre Greinner wood doll; WPA dolls rare; 1934 Shirley Temple 27" doll w/flirty eyes original dress; German laughing doll; Saconny Clothes doll; Jumeau dolls; china dolls; German dolls; 30" composition doll; other composition dolls; tin dolls; Raggedy Ann & Andy dolls 1940's & 60's; bed dolls; Steiff teddy bears; Benji dogs; 1930's tin pedal horse w/cart; wooden pull horse; Speedy Coaster wood wagon; 1929 Turner dump truck; Cor Cor tin buss; American Deluxe tin buss; Smith Miller semi w/crane; Tonka grader; Jewell Tea van; Dino w/Fred toy; Murray 50's boys bike; rare cheese strainer; Colmans Mustard advertising box; assortment copper items; cast iron kettle; soap box; many wooden boxes; 1955 Oliver hooded; 3 gal birch leaf crock; Tramp Art stool; Topeka Kan. Banana box; Snap On calendar; corn grader; wood corn sheller; Jersey tin sign; very large collection of other collectibles.
NOTE: This is a large private collection, started in 1965. There are many rare and hard to find items, many very unusual. Check our web site for pictures at www.thummelacuction.com. We will sell Indian items, jewelry, Halloween, Easter & Christmas on Saturday.
Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC
785-738-0067

195± AC Trophy Whitetail Bow Hunting Farm in Dickinson County Kansas - Land Auction
Tuesday, Dec. 17th @ 7:00pm
Auction Held at United Methodist in Woodbine
195.14± Acres of Premier Deer & Duck Hunting Land
Tract of Land in Section 22, Township 15S, Range 4E
12± AC Watershed Lake • 119± AC of Pasture / Timber
63± AC of Farmland • Been in Family Since 1866!!
Professionally Managed for Bow Hunting
1.5-hrs NE of Wichita • 2.5-hrs West of KC
3.5-Miles West of U.S. Highway 77
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BAXTER BLACK
ON THE EDGE OF COMMON SENSE

Goddess of the Hunt

Diana, goddess of the hunt, stands as a Roman heroine to a long line of female hunters. Even today there are many who have followed in her spoor that deserve to have their name written in mythology.

Our Diana, we'll call her Center-Fire Charlotte, is well known for her prowess up and down Hyde Creek in the high and wild country of central Idaho. The legend goes that

one morning Charlotte was on her way to work in town when she spotted a bunch of does grazing by the reservoir. She climbed out of her car, quietly closed the door, lifted her rifle from the trunk and started after them. Sage, bunch grass, rocks, brush and pine seedlings gave way as she stalked across the clearing in her cashmere sweater, skirt and medium heels.

Single-mindedly she tracked, eye on the ridge of the dam, swatting the occasional biting fly. Cresting the ridge in a crouch she saw the deer beneath her. In the

midst of the does a good-sized buck reared his majestic head. Center-Fire drew down and dropped him.

She stood over the clean kill and asked the deer's forgiveness. She carefully looked all around. Sensing the all clear she decided to gut him on the spot. Several hundred yards away, parked at the airport sat a vehicle. The local game warden was sipping coffee from a paper cup in the front seat. He heard the shot. Scanning the slope below the reservoir he spotted a suspicious movement. A woman wielding a large knife stood

above a deer. She wore only a bra. Her skirt was tucked up around the waist band of her panty hose like a Sumo wrestler's loin cloth. Cranking his binocs to 9x power, he recognized the sweating forehead of Charlotte.

By the time she had driven home, come back with the four-wheel-drive, retrieved the fallen deer, cleaned up and come to work, every human in the small mountain town was aware of her Amazon exploits. Diana, goddess of the hunt had returned!

It was only fitting that on her next birthday one of the

presents she would receive anonymously was a new brassiere... in hunter's fluorescent orange. Beneath each cup was sewn a strip of gunbelt complete with 30:06 shells lodged in place. Bandoleras on a cantaloupe.

No recent sightings have been made of Center-Fire Charlotte 'in uniform'. But it is thought that she applied for a permit to conceal her weapon and now stalks the backcountry disguised as a Sierra Club consultant.

www.baxterblack.com

10, 12 & 14 Bale Hay Trailers



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

DENNING MACHINE SHOP, INC.
Toll-Free: 866-293-5450
THE WORKHORSE OF WESTERN KANSAS

USDA extending flexibility on crop insurance premiums

The USDA Risk Management Agency (RMA) announced Nov. 14 it will continue to defer accrual of interest for 2019 crop year insurance premiums to help the wide swath of farmers and ranchers affected by extreme weather in 2019. Specifically, USDA will defer the accrual of interest on 2019 crop year insurance premiums to the earlier of the applicable termination date or Jan. 31, 2020, for all policies with a premium billing date of August 15, 2019. This extension is necessary since harvest progress has been

very delayed and crop insurance claims are not typically settled until harvest is complete, squeezing cash flow even further. Brian Northey, USDA's undersecretary for farm production and conservation, made the announcement at the National Association of Farm Broadcasters' conference in Kansas City.

"USDA is committed to helping farmers and ranchers impacted by the weather challenges this year, and we hope this deferral will help ease cash flow challenges for producers, many of whom are caught in a very delayed harvest," Northey said.

USDA had previously announced a deferral to Nov. 30, 2019, providing producers with an additional two months from the traditional Sept. 30 date.

H-F RED ANGUS CATTLE LLC
For Sale: Fancy Certified Red Angus
Spring-bred heifers & cows.
Easy calving performance Red Angus bulls. Certified Red Angus Heifers pelvic measured, BVD-PI Neg. & DNA tested. Contracting heifers now for October.
For more info, visit our website at www.hfredanguscattle.com, or YouTube video at hfredanguscattle, or call Brian 785-479-6048 or Daryl 785-479-0536.
Bred with you the Cow-Calf producer in Mind!

GRASS & GRAIN
is on facebook

Farmers & Ranchers AUCTIONS EVERY MONDAY & THURSDAY

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

RECEIPTS FOR THE WEEK TOTALED 580 CATTLE & 146 HOGS.

SOWS				HOGS							
1 wht	Abilene	600@35.00	3 blk	Salina	1630@69.00	1 wht	Newton	323@28.00	1 blk	Salina	1605@68.00
2 wht	Abilene	553@35.00	1 blk	Wamego	1695@68.50	2 wht	Newton	245@28.00	1 blk	Bennington	1610@67.00
3 wht	Lincolnville	660@28.50	1 blk	Wakefield	1495@68.50	33 wht	Tescott	275@27.50	1 blk	Durham	1620@65.00
4 wht	Abilene	590@25.00	1 blk	Enterprise	1535@68.50	13 wht	Minneapolis	303@27.50	1 blk	Durham	1740@65.00
5 wht	Abilene	577@25.00	1 blk	Durham	1655@68.00				1 blk	New Cambria	1520@64.50
			1 blk	Salina	1605@68.00				1 blk	Bennington	1430@62.50
			1 blk	Bennington	1610@67.00				1 blk	Galva	1565@62.50
			1 blk	Durham	1620@65.00						
			1 blk	Durham	1740@65.00						
			1 blk	New Cambria	1520@64.50						
			1 blk	Bennington	1430@62.50						
			1 blk	Galva	1565@62.50						

CALVES				BULLS				
3 mix	Randolph	275@385.00	1 blk	New Cambria	2425@86.00	1 blk	Salina	2065@84.00
4 mix	Tampa	104@225.00	1 blk	Galva	1940@78.00	1 blk	Galva	1940@78.00
1 blk	COncordia	200@210.00	1 blk	Galva	1940@78.00	1 red	Hillsboro	1955@75.00
1 char	Salina	140@175.00	1 red	Hillsboro	1955@75.00	1 blk	Salina	1955@73.00
			1 blk	Salina	1955@73.00	1 blk	Salina	1760@71.00
			1 blk	Salina	1760@71.00			

COWS			
1 blk	Assaria	1595@69.00	

EARLY CONSIGNMENTS FOR TUESDAY, DECEMBER 10 SPECIAL COW SALE:

Chris Hoffman Estate Dispersal: This has been a closed herd for 30 years all Gardiner genetics heifers to start Feb 10th cows to start Feb 20th
OUTSTANDING SET OF FEMALES
20-25 Gardiner Angus Bulls 18-36 months all semen & trich tested
125 1st calf heifers; 185 coming with 2nd calf; 150 coming with 3rd calf
100 coming with 4th calf; 90 coming with 5th calf; 100 coming with 6th calf
240 7th calf to older

Lucky 7 Angus all purebred Angus cows home raised great genetics: cows to start March 1st for 70 days
59 3 yr olds; 48 4 yr olds; 65 5 yr olds; 41 6 yr olds

Brian Livingston: Dispersal of spring herd Ohlde genetics on the cows
200 blk cows 2nd calf to 8 yrs old (heavy on 5&6 yr olds) home raised, bred to Hanel Simm/Angus or Moser Simm/Angus start March 1st for 75 days

Mill Iron Ranch: 90 Red Angus 3 yr old cows One Iron cows coming with 2nd calf all raised a calf last year start March 1 for 45 days, gentle, big and fancy.

Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211
MONDAY — CATTLE • HOG SALE 2nd & 4th MONDAY
Hogs sell at 10:30 a.m. on the 2nd & 4th Monday of the month.
Cattle at 12:00 Noon. Selling calves and yearlings first, followed by Packer cows and bulls.

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

AUCTIONEERS: KYLE ELWOOD, BRANDON HAMEL & GARREN WALROD
For a complete list of cattle for all sales check out our website www.fandrillive.com

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

EARLY CONSIGNMENTS FOR THURSDAY, DECEMBER 5:
50 blk s&h 450-650, 70 blk s&h 500-700 fall vacc, 80 blk/bwf s&h 600-800 fall vacc, 11 s&h 650-900 weaned 45 days 2 rnd fall vacc, 50 s&h 450-650 vacc, 65 blk str 875 long weaned home raised vacc no sort, 130 blk str 825 long weaned home raised vacc no sort, 25 s&h 600-700 long weaned vacc, 75 s&h 550-700 home raised, 65 s&h 500-750 2 rnd fall vacc, 200 s&h 500-650 home raised 45 days weaned fall vacc, 56 blk str 700-800 home raised 45 days weaned 2 rnd fall vacc, 25 blk s&h 600 weaned vacc, 40 blk s&h 600-800 long weaned vacc, 90 blk s&h 550-600, 40 blk s&hfrs 500-600 weaned 45 days 2 rnd vacc, 20 hrs 500-600 fall vacc, 50 s&h 600-700 weaned 38 days.
PLUS MORE BY SALE TIME.

EARLY CONSIGNMENTS FOR TUESDAY, DECEMBER 17 COW SALE:

BRED HEIFERS: 25 blk hrs bred to blk angus sons of Ten X start Jan 29th, 17 bwf hrs bred to blk angus son of Stetson start Feb 14th, 125 red angus heifers Colorado origin extra fancy very gentle bred to registered red angus lbw bull, 68 blk angus hrs AI bred to Comrade start Feb 5th, 120 blk hrs AI bred to Barrett home raised, 30 blk hrs bred to red angus Harms bulls start Feb 1st, 85 red angus hrs Montana origin bred to angus bulls with neg EPD's start Feb 15th for 60 days. **COWS:** 125 blk cows 3-4 yrs Wyoming origin bred black, 300 blk & red cows 4-7 yrs home raised or had since heifers, 35 blk cows 4 yrs old bred to simm/angus bulls, 160 blk & red angus 3-4 yrs bred blk & red angus for Jan/Feb calves, 10 5 yr old angus cows bred to Wooden Cross char bulls, 5+5 5 yr old angus cows with Wooden Cross char sired calves, 50 short/solid to broken mouth cows bred to Wooden Cross char, 80 blk/red/char cows 3-6 yrs bred to blk/red angus, 80 blk cows 3-5 yrs, 40 blk/bwf cows 3-6 yrs bred horned Hereford or blk simm March 15th for 60 days, 45 blk/bwf cows 4-8 yrs bred to blk angus or Hereford, 15+15 fall pairs blk/bwf blk calves 5-7 yrs, 13 blk/red cows 6-8 yrs bred blk or Hereford, 50 red angus X cows 4-8 yrs bred to 7/8 red angus 1/8 simm bull, 51 blk cows and pairs bred to blk bulls, 9 blk cows 3-7 yrs, 4 angus cows running age bred to angus bulls, 17+17 blk/bwf cows 3-4 yrs old AI sired September calves AI sired by Red Angus bulls, 20 blk cows 5-8 yrs bred to Gardiner bulls, 44 blk cows 3-5 yrs bred to blk angus bull start Feb 20th for 70 days, 44 blk cows solid mouth bred Charolais Feb/Mar calvers, 18 blk older cows heavy bred, 11 registered simm/angus cows 3-4 yrs bred to angus or simm/angus bulls.
PLUS MORE BY SALE TIME.

IN STOCK TODAY:

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

UPCOMING SALES: All Tuesday Sales starting at 11:00 AM
SPECIAL COW SALES: Tuesday, Dec. 17 • Tuesday, Jan. 21
Tuesday, Feb. 18 • Tuesday, March 17 • Tuesday, April 21
Tuesday, May 5th
WEANED/VACC. SALE: Tuesday, January 7 • Tuesday, February 4

DON'T MISS THIS SATURDAY! LARGE NUMBERS OF BUFFALO!
BUFFALO SALE starts at 11 AM: Saturday, December 7

CHRIS HOFFMAN ESTATE COW SALE starts at 11 AM: Tuesday, Dec. 10

For information or estimates, contact:
Mike Samples, Sale Mgr., Cell Phone 785-826-7884
Kyle Elwood, Asst. Sale Mgr., Cell Phone 785-493-2901

Jim Crowther 785-254-7385 Roxbury, KS	Lisa Long 620-553-2351 Ellsworth, KS	Cody Schafer 620-381-1050 Durham, KS	Kenny Briscoe 785-658-7386 Lincoln, KS	Kevin Henke H: 785-729-3473, C: 785-565-3525 Agenda, KS	Austin Rathbun 785-531-0042 Ellsworth, KS
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Cattle Sale Broadcast Live on www.cattleusa.com 1150 KSAL, Salina 6:45 AM -MON-FRI * 880 KRVN 8:40 AM - WED.-THURS. *550AM KFRM - 8:00 am, Wed.-Thurs.

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

