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Walkin' (chorin') in a Winter Wonderland

The weather has been the big story the last couple of weeks as much of the state was covered with ice and snow. Slick roads and accidents closed highways and forced schools to shut down. Highway crews reported the frigid temperatures made it too cold to treat the roads for ice, compounding the problem.

The red of this barn on Hwy. 24 outside of Leonardville stands out against the winter sky and accumulated snowfall.

Photo by Kevin Macy





Vanessa Avara, assistant director at Milford Nature Center, shares live birds of prey at Eagle Day event on Jan. 5 at the Manhattan Fire Station and Tuttle Creek



Pat Silovsky, director at the Milford Nature Center, discussed eagles and other birds of prey at the Jan. 5 Eagle Day event.

Day draws hundreds to Tuttle Creek event

the chicks."

By Lucas Shivers

Even the partial government shutdown preventing some of the U.S. Fish and Wildlife Service and U.S. Army Corps of Engineers from working couldn't stop nearly 200 participants from attending the Eagle Day event on Jan. 5.

A packed crowd of all ages took part in the Eagle Day program at the Manhattan Fire Station and Tuttle Creek Lake.

Showcasing bald eagles and information about their remarkable recovery, participants learned about eagles, saw other birds of prey and took bus tours of eagle nesting spots at Tuttle Creek.

"The best time to view bald eagles in Kansas is in the winter on cold days," said Pat Silovsky, director at the Milford Nature Center. "The lousier the weath-

er, the better the changes to see eagles as they often concentrate over open water. You'll see a lot more birds when there is only a little open water."

Bald eagles have made a remarkable comeback from a population low of 400 total nesting pairs in the 1960s across the continent to over 10,000 pairs today. North central Kansas is home to several nests and provides prime habitat for bald eagles and other birds of prey.

Kansas Department of Wildlife, Parks and Tourism, U.S. Fish and Wildlife Service, Northern Flint Hills Audubon Society, Tuttle Creek Lake Association and Milford Nature Center all partnered together to sponsor Eagle Day at Tuttle Creek.

Eagle Details

To start the Eagle Day program, Silovsky shared several stories, facts and details to orient nearly 200 participants.

"Eagles are migratory across North America," Silovsky said. "They come to Kansas in winter in big numbers as the solid ice covers northern habitats. They come here because we often have open water."

If Kansas has a strong cold snap, eagles may head farther south.

"We usually have a large number of nesting spots for raising their young, and eagles can be frequently seen over open water hunting fish or water fowl," she said. "They can also be seen in tall trees around lakes and reservoirs as they

Bald eagles have the largest nest of the avian world, and they add to it each year.

"Trees have collapsed from the weight of the Silovsky nests," said. "They typically lay two

Female eagles are larger and weight up to 14 pounds with an eight-foot wingspan. Like all raptors, eagles have great eyesight. For example, an eagle perched on one end of a football field could read the headlines of a newspa-

per on the other goalpost. "This eyesight helps as they are predators with large talons to grab mostly fish," she said. "They have special sandpaper on the bottoms of their feet to grab

a hold of the slippery fish." Eagles live about 25 years in the wild and up to 50 years in captivity. There's an 80% mortality rate for eagles, meaning four out of five chicks will not make it a full year. Power line deaths, habitat loss and shootings are major problems.

"Eagles are not born with any white coloration on their heads, because white feather plumage is the color of an adult," Silovsky said. "They grow quick and are ready to fledge in ten weeks."

Kansas Eagles

U.S. Fish and Wildlife Service leads the data, research and banding of eagles in Kansas to learn about the patterns and predictions.

We do leg bands to learn a few things," Silovsky said. "The trees are not easy to climb so we use a bucket truck or professional tree climbers to get to the nests to weigh and

take specific measures of beaks to tell the gender of

Even with explorer field notes of bald eagles in Kansas from the 1800s, one of the first Kansas eagle nesting pairs was documented in 1989 at Lake Clinton near Lawrence.

"Now we have a large number of nests with 137 active pairs in Kansas in 2018," Silovsky said. "The numbers have really grown since eagles were once endangered.'

The original eagle pair from Clinton had two male chicks in the first year, and the eaglets decided to bring females back the next year.

"Hatching male eagles is one of the best ways to grow populations since they often return within 100 miles of where they fledged," she said.

One of the males from the Clinton nest, now returning for 20 years if he comes back again in 2019, has raised 16 young.

"There are quite a few nests at Milford and five nests at Tuttle," Silovsky said. "It's spectacular."

Eagle Rehabilitation

Silovsky and her team at the Milford Nature Center often rehabilitate wildlife that are facing emergencies. While they accept injured or orphaned animals for rehabilitation, it is their intent to give an animal every opportunity to stay wild. Silovsky shared a eagle success story.

"In May 2016 on private property near Tuttle, a tree with a large eagle nest was hit with lightning. It smoldered for quite a while before coming down," Silovsky said. "When the tree

eventually collapsed, there were two fledgling eaglets

found." One chick suffered a broken back, but the other chick was healthy and otherwise unhurt.

"With the help of our team and Westar, we rebuilt a new nest and replaced it on a new platform nearby," she said.

By noon of the next day, the parent eagles came back and successfully returned to raise the chick.

"The following year, the parents returned to the nest in both 2017 and 2018 adding to it each year," Silovsky said.

Look for other Eagle Day events at other nature center sites across the state.

NRCS Kansas announces February 20 deadline for 2019 Conservation Collaboration **Grants or Agreements**

USDA's Natural Resources Conservation Service (NRCS) is seeking proposals for Conservation Collaboration Grants or Agreements (CCGA) to help address Kansas' most pressing natural resource concerns. Proposals are due by 4:00 p.m. Central time on February

NRCS will select proposals that leverage USDA and partner resources and effectively implement projects. Successful proposals will address at least one of the following:

- 1. Improve soil health
- 2. Improve water quality
- 3. Provide habitat for local wildlife species of con-
- 4. Improve the environmental and economic performance of working agricultural lands.
- 5. Assist communities and groups to build and strengthen local food projects that provide healthy food and economic opportunities.

An emphasis will be placed on projects that implement Farm Bill Conservation Programs, support NRCS and partner field conservation employees, encourage local partners to develop and implement effective projects, and leverage non-federal and non-government resources to achieve positive natural resources conservation outcomes.

The opportunity number USDA-NRCS-MULTI-STATE-CENTRAL-19-01 is posted on www.grants.gov. For more information about the CCGA proposal process, visit the NRCS Kansas website at https://www.nrcs.usda. gov/wps/portal/nrcs/main/ks/people/partners/ or contact Gaye L. Benfer, Assistant State Conservationist for Management and Strategy, at (785) 823-4508.

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Lightning Rods - Tools To Tame The Heavens

By John Schlageck, Kansas Farm Bureau

For more than two centuries some perched high atop barns, silos, homes and sheds throughout much of rural America during the 19th and 20th centuries. These silent sentinels guarded buildings from lightning that attacked from the heavens.

Even going back to the '30s, '40s and early '50s just about every house or barn sported one or more of these gadgets on the roofs. Lightning rods, invented by Benjamin Franklin in 1749, were iron rods sharpened to a point and designed to draw the electrical fire silently out of a cloud before it could come near enough to strike. Typically, the rods measured a half-inch in diameter, and were connected to a metal cable hidden within the structure, or sometimes attached to the outside of a building. The size of the rods

varied depending on the height of the building and the type of metal. Regardless of the size, the cables crawled their way down to Earth where they were anchored. Grounded,

the lightning rod directs the lightning strike's energy harmlessly into the ground, thus sparing the building. During the 19th centu-

ry, the lightning rod became a decorative motif. Lightning rods were embellished with ornamental glass balls (now prized by collectors). The ornamental appeal of these glass balls were also used in weather vanes. The main purpose of these balls, however, was

to provide evidence of a lightning strike by shattering or falling off. If after a storm a ball is discovered missing or broken, the property owner should then check the building, rod and grounding wire for damage.

Today, one can drive all over the countryside and never see a lightning rod on a house. Occasionally,

cattle feed is inedible to

humans, meaning these

I spot one still sticking up on top of an old barn somewhere in rural Kansas. While few people rely

on lightning rods today, many select surge protection for telecommunications and cable. Twenty years ago, most people used a land-line telephone, a television and an electrical line. Now most use high-

end electronics and other technology that remains highly susceptible to any kind of electrical surge. A lightning rod system protects against a direct strike. Surge protection guards against an indirect With the new technol-

ogy most of the old lightning rods wound up in the dump or continue to rust in the weather on old abandoned barns - the few remaining upright. Still, because they were once

so prominent across the rural United States, people have begun collecting them. Others are being used for decoration.

Some of the more sought-after designs were once made from copper with a starburst tip; other vintage lightning rods consisted of ornate, hammered aluminum with a cobalt-blue ball. But beware, some are now replicas and made of plastic.

Any more, most folks don't see the need to spend money on these relics from the past. Today's modern technology has also resulted in the end of the notorious lightning rod salesmen of vester

You know those flimflam men who used to travel the countryside, looking for houses without lightning rods? Once they spotted such a house, they'd swoop down and unleash a hard-pressure sales pitch concerning the grave dangers of lightning strikes and burning down of unprotected homes and buildings.

Following the collection of a tidy sum of money, they'd install a cheap rod on top of the house, and often not even bother to attach a ground wire. The whole business, of course, was totally useless.

Lest we forget, the world remains filled with shyster salesmen of various sorts. As far as I know however, selling lightning rods is not one of their current scams.

John Schlageck is a leading commentator on agriculture and rural Kansas. Born and raised on a diversified farm in northwestern Kansas, his writing reflects a lifetime of experience, knowledge and passion.

New study finds environmental impact of beef much lower than expected A new study, recently sible for only 3.3 percent try. Additionally, nearly 90 of boneless beef. Previous searcher and study co-au-U.S. beef's sustainability percent of grain-finished

published in the journal Agricultural Systems, is the most comprehensive beef cattle lifecycle assessment ever completed, according to the Beef Checkoff.

In the report, titled Environmental Footprints of Beef Cattle Production in the United States, the researchers found widely accepted measures related to beef cattle's impact in the U.S. are often overestimated. Notable study findings include:

· Greenhouse gas emissions: Beef production, including the production of animal feed, is respon-

of greenhouse gas emissions in the U.S. This is dramatically lower than the often-misapplied global livestock figure of 14.5 percent. Furthermore. through continuous improvements in production practices, U.S. beef farmers and ranchers have avoided 2.3 gigatons of carbon emissions since

tion: Per pound of beef carcass weight, cattle only consume 2.6 pounds of grain. This is comparable to feed conversion efficiencies of pork and poul-

· Grain feed consump-

plants can only provide value to humans when they're upcycled by cattle into high-quality protein. · Corn feed consumption: Corn used to feed beef cattle only represents

approximately 9 percent of harvested corn grain in the U.S., or eight million acres. By comparison, 37.5 percent of corn acreage in the U.S. is used for producing fuel ethanol. · Water use: On aver-

age, it takes 308 gallons of water to produce a pound reports have estimated upwards of 24,000 gallons. Additionally, water use by beef is only around 5 percent of U.S. water withdrawals, and this water is recycled.

Fossil fuel inputs: Total fossil energy input to U.S. beef cattle production is equivalent to 0.7% of total national consumption of fossil fuels.

"This lifecycle assessment delivers the most comprehensive and accurate assessment of the environmental impact of beef cattle in the U.S. to date," said USDA rethor Alan Rotz.

The study assessed cattle production in the farm and ranch portion of the beef supply chain, including emissions associated with energy, feed, machinery, seed, pesticide and other resources used in production. Related work is in-progress to assess production further down the supply chain, including processing, packing, distribution, retail. consumption and waste handling. Together, these reports will comprise the most detailed and comprehensive assessment of

to-date. "This work produces baseline data the cattle industry can use to continue to improve the environmental and economic sustainability of U.S. beef," said Sara Place, Ph.D., study co-author and senior director of sustainable beef production research at NCBA, a contractor to the Beef Checkoff. "Investments in this type of research demonstrate a continuous commitment to environmental stewardship by America's farmers and ranchers."

uction Scho K-State Sor ghum Prod for early ols scheduled marketing opportunities, Three K-State Sorghum and key stakeholders. The will cover a number of isampitti, K-State crop pro-

Production Schools will be offered in early February to provide in-depth training for sorghum producers schools are sponsored by the Kansas Grain Sorghum Commission.

The half-day schools

sues facing sorghum producers in eastern, central and western Kansas including risk management, weed control, crop production practices, nutrient management and soil fertility, and insect management.

"These schools are being offered with the concept that producers can attend one location to get all the updates ranging from issues that arose this past growing season to looking ahead to future growing seasons," said Ignacio Ciduction and cropping systems specialist.

Registration for each school is at 8:30 a.m. Each program begins at 9 a.m. and concludes at 1:30 p.m.

Lunch will be provided courtesy of the Kansas Grain Sorghum Commission. There is no cost to attend, but participants are asked to pre-register by Jan. 29. Online registration is available at K-State Sorghum Schools or by emailing/calling the local K-State Research and Ex-

tension office nearest the

location participants plan

to attend.

The locations and dates for the three schools are: Feb. 5 - Garden City

The Golf Club at Southwind

77 Grandview Dr. Garden City, Ks. 67846 Contact: Jennifer Stoss, jstoss@ksu.edu

Feb. 6 - Hays K-State Agricultural Research Center

1232 240th Ave. Havs, Ks. 67601 Contact: Stacy Camp

bell, scampbel@ksu.edu Feb. 7 – Salina

Saline County Expo Center

4-H Building

900 Greeley Salina, Ks. 67401

Contact: Carl Garten, cgarten@ksu.edu

For more information, contact Kathy Gehl, Extension Agronomy Program coordinator, kgehl@ksu. edu, 785-532-3354; Ignacio Ciampitti, K-State crop production and cropping systems specialist, ciampitti@ksu.edu, 785-532-6940; or Pat Damman at the Kansas Grain Sorghum Commission, pat@ksgrainsorghum.org



I knew we were due for a tough winter. The last several had really been mild - not much snow, a cold snap or two but all in all pretty mild. It was like waiting for the other shoe to drop. We knew a snowy, wet winter was coming sometime and it looks like this is the year. I had hoped when we had the rain, snow and blizzard all before Christmas, maybe the rest of the winter wouldn't be so bad. I

I know I said I would never complain about moisture, but the weather this winter has just about worn me down. After the blizzard in December, when it all melted, the lots were more than kneedeep and I was worried about getting stuck feeding the calves. I don't really know how long it would take to get a crane big enough to pull me out, but I would guess it would be a while. Right then and there I made the statement that it really couldn't get any worse. I am nothing if not consistent, because once again I was wrong.

This last round of measurable snow was a real neat surprise. We only got about four inches, but the wind really blew, and we had some pretty good drifts out of it. That wasn't the worst of it. Before the snow started, it rained. It rained on my lots that had never really dried out from the previous however many snow and rain events we have had since Thanksgiving. Then to add a new level of difficulty it did not freeze right away. I only thought knee-deep lots were hard. Knee-deep lots with drifts of snow on top of them were something I could not have imagined.

I had become very adept at finding my way through the least muddy, only semi-deep places in the lot. I had learned to judge where to step and how much pressure you could exert before being hopelessly stuck like a saber tooth tiger - okay, more like a wooly mammoth - in the tar pits. The snow took that all away. It was like walking through a minefield blindfolded with a fifty-pound bag of feed over your shoulder. Lucky for me it happened on a weekend when Jennifer was home to help.

No, I did not make her feed the calves. Rather, I had her stand guard at the gate and make sure I made it back home. Moral support, I think she called

it. I made my way across the semi-frozen, not really frozen, quagmire. I had just about made it to the bunk when one misstep sent me face-first into the goopy abyss. Not being able to call for help, and not really wanting to open my mouth either, I suffered silently. In a moment of extreme luck, I land-

ed in the one place that was semi-solid and did not sink in. After a quick check I realized that nothing was hurt but my pride and I slowly crawled over to the feed bunk and pulled myself upright. Standing up these days is not an easy feat; I swear my coveralls weigh over a hundred pounds, but I don't dare wash them and risk bad luck. Once I regained my composure, I put

the feed out for the heifers who were completely unmoved by my near-death experience. Still shaken, I made my way back to Jennifer and the gate only to find that she had gone back to the pickup to warm up. I told her about my harrowing ordeal. When I finished, she replied that maybe next time I should take a flag so she would know where to dig next spring. She went on to remind me that she had been doing the feeding the past five days while I had been gone and she had not whined about it. "Toughen up, buttercup," I believe was her quote. The next day the polar air mass did a

good job of freezing most of the mud to the point that it would hold this fat guy up and made feeding a little less dangerous, although navigating the frozen hoof prints and tractor tire tracks challenged my lack of balance and dexterity. If I make it through this winter with all my joints intact it will be a miracle. I daydream of doing chores not wearing muck boots and mud-crusted Carhartts. You can remind me of this whining

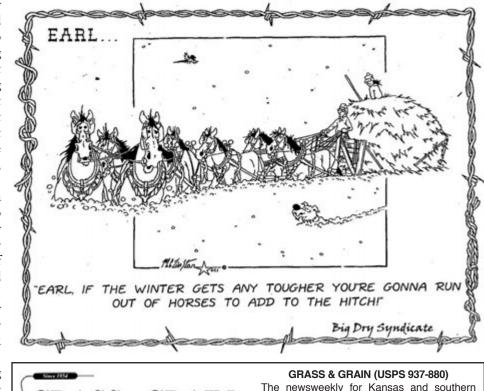
next summer when the hot winds are blowing, and rain is nowhere in the forecast. For now, I have had about all the winter wonderland I can stand. But in the end there really isn't much I can do about it, I am in too deep to quit. So next spring, after the thaw and things have dried out, if you see a flag sticking up out of my cow lot, I would really appreciate it if you would pick up a shovel and help Jennifer dig me out. That will

be an awful big hole for one person to

dig alone.



that is \$34 overdrawn!"



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More women returning to the farm in management roles

Knowing that women approach business with different priorities can help farm and ranch families maximize their effectiveness in management roles.

This was the theme of the "Making Room for Women Managing Family Business" workshop, presented by Jeanne Bernick, principal and market strategist with KCoe Isom, at the American Farm Bureau Federation's 100th Annual Convention.

"We're seeing more and more women come back to the farm - and all kinds of family businesses," said Bernick.

Today, women comprise 31 percent of all U.S. farmers and ranchers, run 14 percent of all U.S. farms and ranches, and own 30 percent of all

(B) HYDRABED

STOCKING DEALER

farmland in the country, said Bernick. Forty-four percent of FFA students are girls.

less than 10 percent of se-

nior executives at major

agribusiness companies.

"Yet women are still

But that's changing," she Bernick helps families transition businesses between generations. She has worked with many daughters, nieces, and sisters-in-laws who are

returning to the farm and are interested in management roles.

Women want fulfillment in their work.

"Women bring heart to business. They want to do what they're passionate about," said Bernick.

Women also want to leave a strong legacy.

"They're interested in what is going to happen

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to the family business in the next generation and beyond. 'How do we make this legacy stick?' This is what I hear most," she

Having a plan is an effective way to maximize a woman's success in a leadership role.

"It works well for women in managing a family business when they run from a plan rather than off the cuff," said Bernick. "Map out a one-year plan, a five-year plan. Once they have a plan, women are incredibly focused. This makes them incredible leaders."

Women are also more inclined to continue learning on the job, proactively seeking knowledge in books, trainings, online classes and support groups.

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roles make great mentors; they're interested in paying it forward.

"Women supporting other women is really important. They're really community-based. When we feel like we have a community we can be a part of, we blossom," she

It's also important to teach women their value.

"I find women tend to see their value in what they do, like raising kids or meal planning. I help them remember they're also valuable for who they are. Their ideas are valuable."

While it can be a change for a farm or ranch to have a woman assume a leadership role, there are many advantages to be gained.

Bernick quoted Kevin

O'Leary, "Mr. Wonderful" from the Shark Tank TV show: "My most successful business ventures are those with women leaders."

"There are lots of rea-

sons for this, but the one that sticks out: women can multitask," said Bernick. "There's a reason for the old saying, 'If you want something done give it to a busy mom.""





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Marilyn Gordon, Topeka, Wins Weekly Grass & Grain Recipe Contest & Prize

Winner Marilyn Gordon, Topeka: "If you like Bread & Butter Pickles, this recipe is for you!"

REFRIGERATOR BREAD & BUTTER PICKLES 5 1/2 cups (about 1 1/2 pounds) thinly sliced (about 1/4-inch)

pickling cucumbers 1 1/2 tablespoons kosher salt

1 cup thinly sliced sweet onion

1 cup granulated sugar

1 cup white vinegar

1/2 cup apple cider vinegar

1/4 cup light brown sugar 1 1/2 teaspoons mustard seeds

1/2 teaspoon celery seeds

1/8 teaspoon ground turmeric Combine cucumbers and salt in a large shallow bowl;

cover and chill 1 1/2 hours. Move cucumbers into a colander and rinse thoroughly under cold water. Drain well and return cucumbers to bowl. Add onions to the bowl and toss with cucumbers. Combine granulated sugar, white vinegar, apple cider vinegar, brown sugar, mustard seeds, celery seeds and ground turmeric in a medium saucepan; bring to a simmer over medium heat, stirring until the sugar dissolves. Pour the hot vinegar mixture over cucumber mixture; let stand at room temperature for 1 hour. Cover and refrigerate 24 hours. Store in an air-tight container in refrigerator for up to 1 month.

Gin Fox, Holton: "This is an easy variation of a favorite. Serve over hot, cooked egg noodles or

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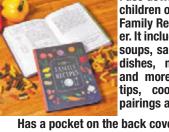
Faith & Family Bath Collection offers primitive country appeal. This lotion pump is made of cold cast ceramic and measures:

4 1/2"w x 2 1/4"d x 7"h

Send Your Recipes Today!

Prize for Dec. 25, 2018 & **JANUARY 2019!** "Our Daily Bread" **Recipe Contest Prize**

Our Family Recipes Keepsake Organizer Pass down favorite recipes to your



children or grandchildren with Our Family Recipes Keepsake Organizer. It includes pages for appetizers, soups, salads & sandwiches, side dishes, main courses, desserts and more. It also offers kitchen tips, cooking definitions, wine pairings and more. Has a pocket on the back cover. 6 1/4"W x 8 1/4"L.

Hardcover, 144 pages.

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. OR e-mail at: auctions@agpress.com

10.75-ounce can condensed golden mushroom soup 1/2 cup chopped onion

1 tablespoon Worcestershire sauce 1/4 cup water

4 ounces cream cheese Cooked egg noodles or In a slow cooker com-

bine the meat, soup, onion, Worcestershire sauce and water. Cook on low setting for 8 hours or on high setting for about 5 hours. Stir in cream cheese just before serv-

Millie Conger, Tecum-**STRAWBERRY**

CRUNCH

1 1/2 cups flour 1/4 cup brown sugar

1 cup melted margarine 1 cup chopped pecans 2 cups powdered sugar

2 cans strawberry pie filling 8 ounces cream cheese

8 ounces Cool Whip Mix flour, brown sugar

and margarine; add pecans and mix well. Press into a 9-by-13-inch pan. Bake at 400 degrees for 12 minutes. Cool in pan. Cream powdered sugar and cream cheese until light and fluffy. in Cool Spread over cooled crust. Top with pie filling. Chill

until serving. Lucille Wohler, Clay

CHOCOLATE-OATMEAL NO-BAKE DROPS

2 cups sugar 1/2 cup cocoa 1/4 pound oleo 1/2 cup milk 1/2 cup peanut butter

2 teaspoons vanilla Mix sugar, cocoa, oleo and milk in a pan. Bring to a rolling boil. Remove and cool slightly Add peanut butter, oatmeal and vanilla. Drop

by spoonfuls onto waxed paper. Cool.

3 cups oatmeal

Kimberly Edwards, Stillwater, Oklahoma: **GREEN RICE** 1 cun cooked rice

2 eggs, beaten 1 cup chopped onion 1/2-pound Velvee-

ta cheese, cubed 1 package chopped broccoli, cooked

1/4 cup oil 1 cup milk Salt & pepper to taste Mix all ingredients

a greased baking dish. Bake 1 hour at 350 de-

together and pour into

Kellee George, Shaw-HOMINY CASSEROLE

4 slices bacon

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Large onion, chopped 1 green pepper, chopped 29-ounce can hominy, drained

10-ounce can Ro-tel

1 teaspoon Worcestershire sauce

1 teaspoon salt

1/2 teaspoon pepper 1 cup shredded Cheddar cheese

Cook bacon until crisp; drain, reserving drippings. Crumble bacon and

set aside. Add onions and pepper to drippings and saute until tender. Stir in remaining ingredients except cheese. Heat over medium heat until mixture bubbles. Remove from heat. Pour into 2 1/2-quart casserole. Put cheese on top and bake 20 minutes in a 350-degree oven. Serve hot.

Rose Edwards, Stillwater, Oklahoma: **CASHEW BEEF BAKE** 1 pound ground beef 1 teaspoon salt 1/4 teaspoon pepper 1 cup chopped onion 1 cup sliced celery 3 tablespoons butter

1 can cream of chicken soup 1 can cream mushroom

package

cooked

soup 1 cup milk 1 cup cashew nuts

Brown beef, salt, pepper, onion and celery in butter. Arrange beef mixture and noodles in layers in a 2-quart casserole. Combine soups and milk and pour over beef and noodles. Cover and bake at 325 degrees for one hour. Uncover and sprin-

The remaining two recipes were sent in by Lydia Miller, Westphalia: PEPPERY CHEESE **BREAD**

kle with cashews. Bake

10 more minutes.

2 1/2 cups all-purpose flour 1 tablespoon sugar 1 1/2 teaspoons coarsely ground black pepper

der 3/4 teaspoon salt 1/2 teaspoon baking soda

1 teaspoon baking pow-

2 eggs

ounces reduced-fat

plain yogurt 1/2 cup canola oil 1/4 cup milk

1 tablespoon spicy brown mustard 1 cup shredded Cheddar

cheese 2 green onions, thinly sliced

In a large bowl mix flour, sugar, black pepper, baking powder, salt and baking soda. In a small bowl whisk the eggs, yogurt, oil, milk and mustard. Stir into dry ingredients just until moistened. Fold in cheese and onions. Transfer to greased 9-by-5-inch loaf pan. Bake at 350 degrees for 45 to 55 minutes until toothpick inserted near center comes out clean. Cool for 10 minutes be-

CHOCOLATE WALNUT TART

fore removing from pan

to a wire rack. Yield: 1

loaf, 16 slices.

9-inch pastry for single crust pie 1 cup coarsely chopped

walnuts 1 cup (6 ounces) semisweet chocolate chips 3 eggs

3/4 cup dark corn syrup 1/2 cup packed dark brown sugar

1/4 cup butter, melted 1 teaspoon vanilla

Press pastry onto bottom and sides of an ungreased 9-inch fluted tart pan with removable bottom; trim edges. Sprinkle walnuts and chocolate chips into crust. In a small bowl mix eggs, corn syrup, brown sugar, butter and vanilla. Pour into crust. Bake at 350 degrees for 25 to 30 minutes or until top is bubbly and crust is golden brown. Cool on wire rack. Chill leftovers.

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MANHATTAN When refrigerators and freezers suffer a loss of electrical power, the refrigerated and frozen foods inside can become susceptible to foodborne contaminants in just a few hours.

Severe weather events such as blizzards, thunderstorms and tornadoes can bring down power lines in a neighborhood, or even entire grids of a city. When the power goes out, the clock starts ticking on the viability of meats, seafood, ice cream, cut produce and even leftover pizza.

According to the USDA, bacteria such as E. coli, Salmonella, and Campylobacter can grow within minutes of food entering the "Danger Zone" – the range of temperatures between 40 degrees F and 140 degrees F. The insulation in freezers and refrigerators is your best allies during a power failure, as long as you don't subvert it.

"One advantage of winter storms is that we often have 24 hours or more of advance warning," said Londa Nwadike, a food safety specialist with K-State Research and Extension and the University of Missouri. "This allows you to take some pre-emptive steps to preserve your food."

A refrigerator in good working order can maintain its temperature for about four hours; a full, reliable deep freezer can keep food frozen as long as 48 hours. Nwadike said there are small cheats that can help stretch your advantage. Share space with

friends – If you have nearby friends and neighbors that have extra space in their freezer, consolidating frozen foods is a great strategy. "A full freezer will maintain its temperature longer than a freezer that's only half full," Nwadike said.

Fill in the gaps - If you know a winter storm or blizzard is on the way, consider moving as much as possible from the refrigerator to the freezer. Leftover pot roast, tuna casserole, and plastic bottles of fruit juice will keep these foods in a colder environment, and helps fill empty spaces in the freezer. "You can also use water bottles, plastic gallon jugs of water, plastic storage containers filled with water," Nwadike said. "Just get them frozen before the power goes out. If you have a source for dry ice (sometimes found in grocery stores), consider adding a few blocks to your freezer. Dry ice can extend your safe zone by several hours.

Keep 'em shut! - As much as you can, Nwadike said, keep the doors closed. "Don't open them to peek in and check to see what the temperature is – just leave them closed. Avoid that temptation."

Refrigerator and freezer-rated thermometers are also a good permanent addition to your appliances. Nwadike says they're inexpensive and will give you a reading the first time you open the appliance, after the power has been restored, and are important to use anytime.

After that, the question is simple: Keep it or toss it?

The USDA provides a handy, printable chart detailing which foods are most vulnerable (meats, seafood, dairy, ice cream) and which are a bit more stable (whole fruits and vegetables, condiments, hard block cheese). When checking the freezer, Nwadike said ice can be a good indicator.

"If an item is still frozen solid, or if you can still feel ice crystals, that's a good thing," Nwadike said. "But whatever you do, don't taste something and think, 'Well, if it tastes OK, it's still good.' Bacteria doesn't always reveal itself that way."

The oft-repeated adage holds true: When in doubt, throw it out.

Some homeowners insurance providers will cover a certain amount of food loss that results from a power outage. Nwadike advises homeowners to check with their insurance providers to find out what is covered, and what kind of documentation will be required to make a

Even if the loss of food creates a financial hardship, it pales in comparison to the risks of consuming unsafe, contaminated food. Some foodborne illnesses can result in a costly hospital stay, if not death.

For more information and helpful tips, visit the Prepare Kansas blog, dedicated to anticipating and preparing for natural disasters and the K-State Research and Extension Food Safety disasters website.

Be The MVP **Of Your Super Bowl Party!**

By Cindy William, **Meadowlark Extension** District, Food, Nutrition, **Health and Safety**

The big game is almost here and it's time for a party! And where there's a party, there's food! Be the MVP of your party with these food safety tips:

CLEAN: PREPARE FOR THE WIN!

- * Start by washing your hands with warm soapy water for 20 seconds.
- * Wash and sanitize all dishware and utensils.

SEPARATE: YOUR **BEST DEFENSE!**

- * Keep raw meat and poultry away from ready-to-eat foods.
- * Use a clean utensil for each dish. * Use a clean plate when
- going for second helpings of food.

COOK: A GAME WINNER! * Use a food thermometer

- to check for doneness. * All poultry — 165 degrees F
- * Burgers and sliders 160 degrees F
- * Soup and reheated foods-165 degrees F CHILL: DON'T LET THE CLOCK EXPIRE!
- * Keep hot foods hot and cold foods cold.
- * Put out food in batches. * Follow the 2-hour rule.

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By Ashleigh Krispense Warm, fluffy dough-

nuts drudged in cinnamon-sugar with a glass of cold milk on the side... Sounds like a great way to spend an evening this winter! Not only are these doughnuts simple to make, but they are perfect when you have little helpers nearby! Keep them away from the actual frying part (to avoid grease splatters), but let them take part in the cutting and then rolling in sugar or frosting. This was another fun recipe adapted from the 1958 edition of "The Christmas Complete Book."

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You'll Need:

1 can jumbo (fluffy) biscuits 1/2 cup sugar

1 teaspoon cinnamon Oil for frying Pour enough oil into

a skillet to make it about 1/2-inch deep. Turn on medium-high heat.

Place your biscuits on a flat surface and use your hand to flatten

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Grass & Grain, January 29, 2019

them out to about half of their original thickness. Use a doughnut cutter or sharp knife to cut out a hole in the center.



Gently place them in the hot oil and fry for 15-30 seconds on each side or until golden brown. Pull out of the skillet and let sit briefly



Page 5

plate.

Mix together cinnamon and sugar and roll doughnuts liberally in it. Serve warm and enjoy!

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

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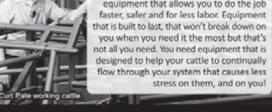
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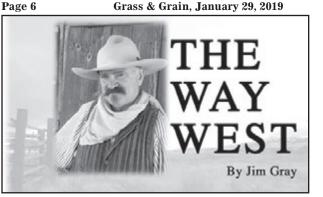
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The End of Time

The Delaware people were given reservation land in Kansas in 1829 and began moving from Missouri in 1830. Delaware men were adventurers who prided themselves on their hunting and trapping skills and their knowledge of the land. Their appearance was that of the frontier "longhunter" of their

Pennsylvania and Ohio Valley roots, rather than the traditional image of the Plains Indian.

Delaware Agent Thomas Moseley, Jr. recorded in 1852 that, "The Delawares are brave, enterprising Indians. They hunt and roam throughout the length and breadth of the great western plains, some



as far as California. It appears that quite a number of this tribe... are annually killed by wild tribes or die from great exposure." They were famous for their knowledge of the isolated grassland trails of the plains and the canvons and peaks of the Rocky Mountains. Being in demand as fighters and pathfinders, travelers sought them out for protection and guidance before venturing beyond the bounds of civilization. 1852 had seen two at-

tacks on "enterprising" Delaware men. In January a large band had traveled into the southwest on a trading expedition. A traveler from Santa Fe reported to a correspondent for the Missouri Republican that "Quite a number" had been killed by Comanches. In a separate incident

two sons of principal chief Captain John Ketchum led a hunting expedition returning from the west along "the waters of the Platte" in present-day Nebraska. Between Fort Laramie and Fort Kearny a Sioux war party attacked the Delaware hunters, killing both of Captain Ketchum's sons. Agent Mosely reported that despite being shot through the leg

one of the hunters "made his escape," leaving all of their furs, horses, traps, and blankets in the hands of the Sioux. Captain Ketchum was

described as "a good and kind chief... a preacher and spiritual advisor, a wise councilor." The term "Captain" was given to Delaware war leaders who were responsible for declaring war and protecting the people. Only a chief could declare peace. When Ketchum became chief his people continued to call him Captain. Ketchum's Delaware name was Tahlee-a-ockwe meaning "grab them" or "catch them" so the Americans called him "Ketchum." He was converted to Christianity, attending the Delaware Indian Mission, a Methodist mission established in 1832, near a spring in a beautiful grove of trees. The log church, five miles north of the Delaware Crossing on the Kansas River was painted white and referred to by the Delaware people as 'White Church." Although the elder

members in the tribe maintained long-held prejudices against Christianity, Ketchum was appointed Principal Delaware Chief. Also of the Turtle Clan, Captain Ketchum was the first Christian leader in the Delaware tribe. His son, James, was the first ordained minister in the Delaware nation. He began preaching at White Church in the Delaware language. Another son, Charles, was also a prominent member and preacher in the Methodist Church. The brothers disagreed on affiliation, Charles following a northern branch while James remained in the southern branch at White Church.

Captain Ketchum was faced with the incredible dilemma of protecting his people as his reservation was being overrun with illegal settlement. Even before the Territory of Kansas was opened in 1854 squatters moved onto the rich bottomland of the Kansas River valley, ignoring the rights of the legal Delaware owners. More than one thousand land-hungry emigrants were intruding on the reservation, surveying and laying out claims.

Without legal purchase of the land, the town of Leavenworth was established next to Fort Leavenworth almost before the ink had dried on the Kansas-Nebraska Act. Every resident of the new town was an illegal squatter on Delaware land. At one point the army was ordered to clear the town of its inhabitants, but the

order was delayed when the Leavenworth Town Association agreed to pay twenty-four thousand dollars for a three hundred twenty acre thriving townsite that for all intents and purposes was already developed.

In the meantime, the United States government negotiated a treaty in which Delaware lands would be held in trust to be sold at a future date for the benefit of the tribe. Nine Delaware chiefs led by Captain Ketchum signed the treaty on May 6, 1856. The first sale of tracts was held on November 17, 1856.

The tribe was stunned when death came to Captain Ketchum on July 11, 1857. As the procession slowly followed the body of the dead chief over the winding road to White Church, they were losing their land. The once proud hunters and guides were gone. Nothing would ever be the same. The end of time had dawned upon the trails and canyons that had once been the domain of valiant Delaware pathfinders on The Way West.

"The Cowboy," Jim Gray is author of the book Desperate Seed: Ellsworth, Kansas on the Violent Frontier, Executive Director of the National Drovers Hall of Fame., Ellsworth, KS Contact Kansas Cowboy, 220 21st Rd. Geneseo, KS Phone 785-531-2058 or kansascow-



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On February 3rd and 17th, I will be leading a seminar on the history of Fort Wallace. It will not be boring, I promise. It was inspired by our friend Jerry Prawl, who grew up in Wallace and was instrumental in founding our Guardians of Fort Wallace, as we prepared for our first Guard-

ians Banquet last year, held on St. Patrick's Day in honor of the fort's most colorful commander, Capt. Myles Keogh. As we made table decorations and filled baskets for the auction, we talked about the handsome Irishman and his impact on the fort. She acknowledged that even

though she had grown up in the neighborhood, she knew precious little about the post itself. She asked questions and borrowed books. Her curiosity was kindled and her enthusiasm was fanned. I treasured the opportunity to hear her stories and share

Jerry died weeks later. She left many broken hearts and many wonderful memories. She also left me with an idea.

There were other folks like her who had grown up in the neighborhood but knew little about the army post around which their community was built. Leo Oliva's Fort Wallace, one of the fort series books produced by the Kansas State Historical Society, is

a must-have, as is every other volume of that series. It is a marvelous read and hints at the volumes of other stories yet to be told. The exciting thing about teaching this class is how much I have to learn in order to teach it. As I peruse old newspapers, documents, and photos, I utter over and over, "You really can't make this up!"

I have always considered myself a missionary for history, evangelizing on the American West with Kansas at its center - spiritually and geographically. Whether at the museum, in books or speaking engagements, or on Around Kansas, I am passionate about the stories - the incredible circumstances and the unique personalities. I de-

Grass & Grain, January 29, 2019 light in the discoveries mine and those of the folks I bring to the table. While the 19th centu-

ry is generally my focus, I ventured into the 20th century for the Trego County Historical Society's Kansas Day Program and presented, The Soldier State in the Great War. While I am more than just passingly familiar with with the era, I had to do quite a bit of research. Again, I knew that Kansas was again the epicenter for many events such as war efforts and the flu epidemic, but I learned

new stories, met new peo-

ple. For example, I was not aware that the first officer killed in World War I was a physician from Kansas, Lt. William Fitzsimons. His story will bring you to your knees. He had gone to England as a Red Cross volunteer in 1914, long before America joined the war. His ability and dedication are simply staggering.

This is why I love his-

Deb Goodrich is the host of the Around Kansas TV show and the Garvey Historian at Fort Wallace Museum. Contact her at author. debgood rich @gmail.com.

Industrial hemp information meeting set for February 12th in Parsons Industrial hemp has concerns about the matter. Please join us February

been a hot topic of conversation around the state of Kansas and certainly in the southeastern part of the state. The opportunity to grow a new specialty oilseed crop in Kansas offers potential for diversification for Kansas farmers looking for an alternative crop, or for new farming enterprises interested in cultivating industrial hemp. There have also been many questions and

The Wildcat Extension District will host a FREE public meeting on Industrial Hemp on Tuesday, February 12th, 2019 at the Southeast Research and Extension Center from 6:30 to 8:30 p.m. Registration starts at 6:15 and the program will begin around 6:30. The Extension Center is located at 25092 Ness

Dana Ladner, Kansas Department of Agriculture

Rd Parsons

(KDA), will discuss the regulatory aspect and KDA's role. Jason Griffin, K-State Research and Extension. and director of the John C. Pair Horticultural Center near Wichita, will discuss the basics to growing industrial hemp as well as K-State Research and Extension's role in providing reliable research based information. Please RSVP to the Independence office at 620-331-2690 to reserve a

seat at this event.

12th to learn more about industrial hemp and what impact it may have on Kansas residents.

An informational flyer can be downloaded from the Wildcat District website at www.wildcatdistrict.k-state.edu. For more information, contact Jeri Geren, Diversified Agriculture and Natural Resources, jlsigle@ksu.edu, (620) 331-2690.



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Grass & Grain, January 29, 2019

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The Kansas Cattlemen's Association and the Go Bob Pipe & Steel Scholarship are designed to ease the financial burden of qualified scholars seeking higher education, including: four-year college/university, junior college, vocational/trade, or technical training for the school year beginning this fall.

The following must be met or completed to be considered:

1. Applicant must be a high school or college student with a GPA of 2.5 or higher. Applicant must plan to attend a junior college, 4+ year college/ university, vocational/ trade school or enrolled in technical training for the fall of 2019.

2. Applicant must write

the following topics. The essay must be 250-500 words.

A. How do alternative proteins compare to conventionally produced wholesome beef?

B. Explain the positives and negatives of Animal Disease Traceability programs. Provide your own original arguments for and against such programs.

is "Sustainability." How would you define "Sustainable Agriculture" and how does your definition apply to independent beef production?

in today's industry speak

3. Applicant must completely fill out the application, including signatures from respective schools, and return it to the KCA office by March 31, 2019.

Sharon Thielen. "Seed to

STEM 2.0 will allow the

cant's most-recent school transcript.

5. Provide an updated one-page resume that outlines education achievements, related work experience, and extra-curricular activities.

Applications are available at www.kansascattlemen.com/scholarships or by contacting KCA at 785-238-1483. Completed applications are to be returned by March 31, 2019.

tion. Teachers selected for the Seed to STEM workshop 1.0 will practice 12 labs that they can use in their classrooms to help students learn about the

ethanol plant. For more information on the Seed to STEM workshops visit kscorn.com/6-

role agriculture plays in

science, attend a farm tour and dinner and visit an

Plenty of ag trade opportunities for U.S. and **Europe**

There continues to be abundant opportunities for farm trade between the United States and the European Union despite the omission of agriculture in the European list of negotiating areas on a potential free trade agreement, European agricultural leaders said during a workshop at the American Farm Bureau Federation's 100th

Annual Convention. U.S. farmers and farm state lawmakers have pushed hard to include agriculture in trade talks. But European officials excluded farm goods to streamline the negotiations and to concentrate on vehicles and industrial products, said Jesus Zorrilla, counselor on agriculture for the European Union.

Zorrilla was joined by Lorenzo Terzi, counselor on food safety for the European Union, and Sylvain Maestracci, counselor on agriculture for the French Embassy, to provide a European perspective on trade and agriculture.

Key issues, such as geographic indicators for dairy products and the approval of genetically modified crops, still separate the United States and the EU. But the European leaders said there continues to be opportunities for U.S. products in Europe, including soybeans, biofuels and other products even without agriculture in the free trade negotiations.

"The perception that the European market is closed is misleading," Terzi said. "We are a huge market of 500 million people that is a big importer of food." Terzi noted that the

United States and Europe have recently worked through several key food safety issues on products such as almonds and Florida oranges. European farmers share

many of the same concerns as their American counterparts, such as low commodity prices, changing demand from consumers and an aging farm population, Maestracci said. In addition, he said. European farmers face a continued barrage of environmental demands from European consumers. Like their American

counterparts, European farmers have seen a reduction in farm subsidy payments and a more market-oriented farm program. But European farmers do not have a robust crop insurance system like the one which provides the backbone of the farm safety net in the United States, Maestracci said. The need for crop in-

surance showed up in 2018 when drought gripped much of Europe and drasti-

cally reduced harvests. "The drought has definitely affected farmers and hurt our ability to export barley and other crops," Maestracci said.

C. A popular buzzword 4. Include the appli-Qualifications: a short essay on one of Kansas Corn 2019 Seed to STEM workshops to offer three tracks for science teachers tions for the Seed to STEM says Kansas Corn Commisterials upon completion of workshop will be available sion director of education

The Kansas Corn Commission has announced the workshop. the dates of its popular

In its fourth year, the workshop program focuses on teaching labs with corn, biotechnology and ethanol. Seed to STEM will offer three tracks: middle school, high school as well as new Seed to STEM 2.0 tracks, available to those who have previously attended a Seed to STEM workshop.

The Seed to STEM 1.0

to middle school teachers and high school teachers at both locations. The Seed to STEM 2.0 track for high school teachers will be offered only at the Olathe location, and the Seed to STEM 2.0 middle school track will be hosted only at the Maize location. The applications for

Seed to STEM 1.0 middle and high school tracks are due April 1. The applica-

2.0 track for teachers who have previously attended a Seed to STEM workshop, are due March 1. Participants will be selected based on the quality of their application. Visit kscorn.com/6-12-training/ to apply.

tended a Seed to STEM workshop before keep requesting to come back and have asked for more labs,"

"Teachers who have at-

teachers to learn more labs enabling them to keep the conversation going about the agriculture industry all year long." Seed to STEM 2.0 workshop participants will practice up to eight new labs, attend a farm

tour and dinner and will 12-training/. have time for collabora-CASE IH MAGNUM AND KANEQUIP HAVE POWERED



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still performing well by most key measures. However, consumers, investors, companies and other market participants have become more wary about the near-term future with seemingly good reason. Global and U.S. economic prospects are weakening and the agricultural economy shows few signs of an imminent comeback, according to a comprehensive 2019 outlook report from CoBank's Knowledge Exchange Division.

"Trade uncertainty, rising debt levels and market volatility are threatening to derail the global economy and creating difficult operating environments for U.S. agriculture," said Dan Kowalski, vice president of CoBank's Knowledge Exchange Division. 'Trade is the outsized risk. Unresolved disputes with Mexico, Canada, Europe and China are the greatest collective threat to the U.S. economy in 2019."

The CoBank outlook report examines ten kev factors that will shape agriculture and markets sectors that serve rural communities throughout the U.S.

Global Economy: Trade-Induced Slowdown to Hit U.S Shores

The global economy is slowing and the effects will spread to U.S. shores in 2019. World economic output hit an eight-year high in 2018, powered by both advanced economies and emerging markets. But challenges mounted in late 2018 and risks are decisively weighted to the downside for the coming year. Trade is the biggest risk, as the world's two largest economies test each other's willingness to accept economic pain. Trade policy between the U.S. and China will remain the leading risk to the global economy. The rising of debt levels is another undercurrent that threatens to derail the global economy. Total global debt levels (all public and private debt) are now more than three times greater

U.S. Economy: Slowing Growth, Accelerating Risk

than in 2001.

The U.S. economic expansion is set to become the lengthiest in history this summer. But clouds forming on the horizon suggest more modest growth in 2019 and greater concerns for 2020. Therefore, we can expect a delicate balance of consumer strength to offset a slowing housing market and weaker business investment growing between 1.75 and 2.25 percent in 2019.

Monetary policy: Thinning Margin for Error

The world's largest economies were widely expected to grow in concert in 2018. That growth did not materialize. As a result, the major central banks are now attempting to guide their economies through very different stages of the economic recovery. Japan is committed to stimulating its economy for the foreseeable future. The European Central Bank will not raise interest rates until at least the third quarter of 2019. China's economy is slumping and its central bank has indicated that it's ready to loosen monetary conditions as needed. Gross domestic product forecasts have been cut over the past month amidst a darkening outlook for the U.S. and Chinese economies. If this slowing materializes, it will become very difficult for the Federal Reserve to raise rates this year absent a spike in

U.S. Government: Split

Congress, More Opposition With a split Congress. finding consensus over the next two years to move large legislation will be difficult, but there are reasons for managed optimism. One of the final bills out of the 115th Congress reauthorized the Farm Bill. HR 2 passed the Senate and the House by very large bipartisan margins, showing that Congress can still work together when there is strong constituent support and engagement on an issue. The administration's efforts on trade have many in agriculture nervous. The agriculture industry will be very focused on the need to get the United States-Mexico-Canada Agreement (USMCA) completed. Further, it is imperative that the U.S. negotiates a resolution to the trade dispute with China and reaches a successful conclusion to conversations with Japan. the EU and a post-Brexit U.K. There is work needed to re-establish these major trade relationships before any further damage

is done to U.S. agriculture. U.S. Farm Economy: **Higher Costs and Debt to**

Hamstring Producers With agricultural commodity markets depressed by global supply abundance and ongoing trade disputes, farmers and ranchers face the arduous task of cutting production costs. However, continuculture are expected to squeeze producers, causing further margin erosion and financial stress in 2019. Farmers should not bank on a fourth consecutive year of above-trend crop yields to make up for low commodity prices and rising costs. To steady the agricultural economy, and boost revenues, the sector is dependent on substantive breakthroughs in trade policy. Strong land values remain the positive for farmers and ranchers, although land values could face downward pressure.

Ag Trade Policy: Seeking Resolution

Ongoing tariffs and trade negotiations continue to hang over the U.S. ag economy with no clear sign of resolution, clouding agriculture's trade outlook for 2019. Three significant trade-related issues must be solved this year to restore some normalcy to agricultural markets: Legislative approval of USMCA, removal of the steel and aluminum retaliatory tariffs and substantive improvement of trade relations with China. Progress in negotiations on all fronts is likely to be slow. which spells more pain for months to come. As a result of the trade war, the value of total U.S. agricultural exports in 2019 is expected to fall to \$141.5 billion, down \$1.9 billion from 2018, according to the Department of Agriculture's (USDA) latest pro-

Grain, Farm Supply and **Biofuels: The Rise of** Competition

2019 will be a year of new and intense competition for the grain, farm

Angus Bulls (2 yr. old)

SimmAngus Bred Heifers

tors. These competitive changes will benefit a few while hurting many along the supply chain. The most impactful competitive pressure will come from outside the U.S. Global crop production has been increasing for decades, but abundant U.S. supplies and a protracted trade dispute with China has enhanced foreign opportunities. Brazil's projected record crop, Argentina's production rebound and continued agricultural expansion in Eastern Europe will further inundate a bloated market. Trade dynamics will also impact an ethanol industry that is already struggling. Large supplies have caused some producers to cut output amid negative margins. Competition will also increase in the farm supply sector, squeezing margins. Ag retailers will also face price hikes from a more concentrated sup-

Dairy and Animal Protein: Output Grows Again In 2018, the U.S. animal protein sector began suffering from the same oversupply and weak margins that have plagued U.S. dairy producers since 2015. Despite the less favorable profitability environment, the protein and dairy sectors will continue to expand production in 2019, prolonging the margin squeeze.

Of the three major animal protein species, beef appears to be weathering the animal protein oversupply situation best, with favorable fed cattle prices and historically high packer margins resulting from tight processing capacity.

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poultry sectors reflect the impact of plant expansions which will deliver double-digit increases in processing capacity for both species by 2020. **Rural Electricity: Data**

Analytics Become a Necessity

2018 will go down as a turning point for the role data analytics will play in transforming the rural electric co-op industry. Optimization of the grid offers many benefits in cost savings and member relations. However, if co-ops do not harness the power of data to unlock value. third-party providers will step in to provide this service. Co-ops cannot afford to delay adopting strategies for a more distributed future that includes automated controls, tailored rate structures, enhanced customer engagement and sophisticated data analyt-

Rural Communications: Electric Co-Ops Gain

Appetite for Broadband

Over the last few years. electric distribution cooperatives have been building fiber networks. causing some angst in the rural LEC community as they fear this will lead to increased competition. For 2019, rural America should expect to see a continuation of these network builds, but the risk of coops overbuilding in rural LEC markets is low. Their primary focus is to build networks in underserved

their own operations, and their customers.

Silver Lining

The global and U.S. economic prospects are weakening, and the agricultural economy shows few signs of an imminent comeback. There are silver linings, however, and many of them hinge directly on the prospect of favorable trade developments, particularly with China.

"There is a 50 percent probability that some form of a deal with be struck with China by the second quarter of 2019," said Kowalski. "Also, there's a 50 percent probability that most or all the tariffs will be lifted on U.S exports in the first half of the year. Should that scenario develop, our outlook will improve considerably."

The report, The Year Ahead: Forces That Will Shape the U.S. Rural Economy in 2019 is available at cobank.com.





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Farm Bureau adopts policies concerning government shutdown, trade, opioids, cell-based food and broadband work together to end the government shutdown as soon

Bureau Federation's 100th Annual Convention today adopted policies to guide the organization's work during its centennial year on key topics such as farm bill implementation, cell-cultured food products, trade, rural broadband access and rural mental health programs.

"As our organization has done for the last 100 years grassroots delegates from across the nation came together to express a unified voice on issues vital to the success of our farms, ranches and rural communities," American Farm Bureau Federation president Zippy Duvall said. 'It was fitting to have President Trump and numerous members of Congress among our attendees as we kicked off our centennial celebration. We continue to face a challenging farm economy and we stand ready to work with Congress and the Trump administration to address the issues important to our farm and ranch families."

Government Shutdown

Delegates urged the administration and Congress to

as possible. The current shutdown means farmers and ranchers are being delayed in securing loans and crop insurance as well as disaster and trade assistance. The impasse has also delayed implementation of important provisions of the farm bill.

Delegates voted to favor negotiations to resolve trade disputes, rather than the use of tariffs or withdrawal from agreements. They also voted to support the United States' entry into the Comprehensive and Progressive Agreement for Trans-Pacific Partnership.

Cell-based Food

Delegates adopted a comprehensive policy to support innovation in cell-based food products while ensuring a level playing field for traditional protein. Delegates affirmed that the Agriculture Department is best equipped to be the primary regulator of new cell-based products as it encouraged USDA to utilize the Food and Drug

calls for complete and accurate product labels to ensure that consumers have all the pertinent information they

Rural Broadband

Delegates supported improved broadband coverage maps through better data and third-party provider verification. AFBF will work with the Federal Communications Commission to address map inaccuracies.

Substance Abuse and Mental Health

Delegates supported increased funding for programs and facilities for the treatment of substance abuse and mental health issues. Delegates also voted to support funding for the Farm and Ranch Assistance Network which was included in the 2018 farm bill. AFBF will urge appropriations committees to fund this program, which is critical to address the mental health issues faced by many farmers, ranchers and other rural Americans

Farm transition meeting scheduled for February 13

FFA Alumni and Meadowlark Extension District are partnering to bring this meeting to our area. The event will take place at 1:30 pm at the NE Kansas Heritage Building at 12200 214th Road in Holton, February 13, 2019. Mark Peterson of Stanton, Iowa will tell his unique tale of carrying on the family farm. The farm of another family. Now, he is considering how to pass this farm onto the next generation.

Roger McEowan is an ag attorney with Washburn School of Law and

Ag Lawyer. Roger is the former KSU Ag Law Specialist. Roger will present information on how to structure your farm organization to best transition to the next generation.

There is no charge for this informational meeting and all interested persons

toll in China; U.S. pork industry prepares for action

African Swine Fever takes

African Swine Fever (ASF) has now expanded to 24 provinces and regions of China prompting the culling of more than 900,000 pigs so far, Reuters reports. Slaughter efforts and slow restocking of larger farms could lower China's overall pig herd by as much as 20 percent, a Rabobank analyst predicted in the report.

Meanwhile, U.S. pork industry officials are taking steps to help prevent ASF from affecting domestic hog production. The National Pork Board says its Pork Checkoff Swine Health Committee is developing a task force that will focus on how to reduce the risk of ASF introduction, elevate communication, education and research efforts throughout the pork chain here in the United States.

FRIDAY, FEBRUARY 22, 2019 — 10 AM CST

AUCTION LOCATION: Community Building, at the Fairgrounds, East edge of LEOTI, KANSAS LAND LOCATION: From Leoti. KS – 6 miles south on High-

way 25, 1 mile west to Tract #

TRACT #1: NE 1/4 of 23-19-37 containing 159.7 acres, more or less of dryland farmland. All wheat stubble TRACT #2: SW 1/4 of 26-19-37 containing 157.6 acres, more or

ess, of dryland farmland. All in growing wheat.

TRACT #3: NW 1/4 of 35-19-37 containing 152 acres, more or less, of dryland farmland and 7 acres, more or less, of CRP land 152 acres of growing wheat.

TRACT #4: SW 1/4 of 35-19-37 and the N 1/2 of the NW 1/4 of 2-20-37 and the East 1/2 of 2-20-37 containing 418.40 acres, more or less, of dryland farmland and 110 acres, more or less, of native pasture land, with an electric submergible stock well, 10.6 acres of CRP land, more or less. 418.40 acres of wheat stubble.

less, of dryland farmland. All in growing wheat. TRACT #6: NW 1/4 of 3-20-37 containing *138.5 acres*, more or less, dryland farmland and 19.69 acres, more or less, of native grass land. All in growing wheat.

TRACT #5: NW 1/4 of 11-20-37 containing 157.5 acres, more or

TRACT #7: SE 1/4 of 34-19-37 containing 110.82 acres, more or less, of dryland farmland, 34.7 acres of CRP grass land and 9.83 acres of native grass with older farm shed. All in wheat stubble.

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New Young Stockmen's Academy class announced The 2019 KLA Young process, producers' re- Barnett, Muscotah; Han- Garrett McKinney, Wa sponsibility as agriculturnah Brass, Medicine Lodge; Carl Clawson, Ulal advocates, the need for

(YSA) class consists of 20 participants from across Kansas. Merck Animal Health is partnering with KLA to host members in their 20s for a series of four seminars throughout the year. The program will expose YSA members to the importance of KLA's voice in the legislative

progressive livestock operations and how other industry segments, including animal health suppliers and agribusinesses, fit into the food chain. They also will participate in KLA's policy-making process.

Members of the 2019 KLA YSA class are Bryce ysses; Ashley Fitzsimmons, Pratt; Heather Gibson, Garden City; Grace Hammer, Sharon Springs; Jamie Holeman, Bronson; Taylor Hughes, Pratt; Clayton Jarnagin, Protection; Reed Koop, Abilene; Clinton Laflin, Russell; Socorro Martinez, Liberal:

City; Cami Roth, Sterling: Dalton Rutledge, Plains Jessalyn Strahm, Sabetha; Thomas Thaver, LaCygne: Patrick Turner, Ingalls; and Evan Woodbury, Quen-

The group's first meeting will be February 12-13 in Topeka.

Nebraska Cover Crop and Soil Health Conference is February 14

Nebraska farmers can learn how to give their soil a little love at the Nebraska Cover Crop and Soil Health Conference on Valentine's Day.

While there are many benefits to using cover crops, such as improved soil heath and reduced

erosion, it's the details that can present challenges. The conference offers problem-solving information for growers, from those just getting started to those already integrating cover crops in their operation.

The conference, Feb. 14 at the University of Nebraska Eastern Nebraska Research and Extension Center near Mead, runs from 9 a.m. to 3:30 p.m. with registration beginning at 8:30 a.m.

"At the conference this year, we have a few speakers who are considered rock stars when it comes to their knowledge and expertise as it relates to soil," said Nebraska Extension educator Keith Glewen. "I'm very confident that those who attend will leave with a better understanding and appreciation of soil and management factors that impact soil quality."

Topics and presenters include:

· "Growing a Revolution: Bringing Our Soil Back to Life," David R. Montgomery, professor of geomorphology, University of Washington;

Maintaining Life in the Soil," Jay Fuhrer, soil health specialist, Natural Resources Conservation Service, Bismarck, North

• "How My Farm has Responded to Cover Crops and Crop Rotation," Ray Ward, founder, Ward Lab-

· "Northeast Nebraska Farmer's Perspective on Cover Crops," Jeff Steffen, Crofton farmer; • "How I Graze My

Cropland Without Owning Livestock," Scott Heinemann. Winside farmer:

• A farmer panel -Discussion with growers, landowners and consul-

For more information on speakers, visit https:// go.unl.edu/tmj5.

There is no fee to attend, but individuals must pre-register by 5 p.m. Feb. 8 to ensure meals and resource materials are available. Seating is limited. To register, call 402-624-8030, email cdunbar2@unl.edu or use the form at https://go.unl.edu/

This year's conference is sponsored by Nebraska Extension, the Nebraska Soybean Board, the U.S. Department of Agriculture's Natural Resource Conservation Services, the Lower Platte North Natural Resources District and USDA Sustainable Agriculture Research and Education.

niere & pedestal, vases, other Advertising clocks Steffens, Coke, Pepsi, Miller, Coors, Budweiser, many others); many advertising pieces; beer signs; neon beer signs: advertising signs; DeLaval sign; many bread advertising pieces; large collection cookie jars; 5 pc. china table set: Hull pieces: Chez spice set; head vases; Gobel figures; clear glass bird pieces; large assortment vases; assortment pressed glass; kerosene lamps; Aladdin lamps; piano lamp; table lamps; hanging lamps; clocks inc.: (wall, mantel, kitchen, cuckoo, horse, other); Singer featherweight machine; Universewing sal store coffee grinder; malt mixer; Holsum door push; Pillsbury's flour advertising items

bowls, shakers, other; Chez spice set; Richard Bergen print; many good pictures; Marilyn Monroe picture; posters; post cards; calendars; games; baseball programs & banners; viewers & cards; salesman sample garments cases: Crocks inc: (advertising pitchers, 3 gal RW churn, salt glaze, jugs, McCormick Deering separator pc., many other crock pieces); green crock bowls; stacking bowls; batter bowls; Large thermometer collection; car advertising items; pop bottles; milk bottles; peanut jars; marbles; kitchen items; horse collection; cowboy items; Epcot Center banner; Disney items; sterling pieces; coins pennies, dimes, nickels; bottle openers; knives; oil cans; wooden boxes; wall match safe collection: tobac-

iron pans & pots; iron wheel wheelbarrow; glazing balls; fans; wash tub; wringer washer; sleds; yarn winder; yard glider; buttons; belt buckles; tokens; pocket watches; assortment jewelry; large assortment of small collectibles: Furniture Store Items: Store desk top tobacco cabinet; flat top trunks refinished; 3 drawer spool cabinet; metal doctors cabinet; DMC showcase; thread display; 4 stack bookcase; 2 door oak flat glass china; oak library table; 42" square oak table; Sterilizer cabinet; smoke stand; map cabinet; wood floor radio; chairs; display cases; lockers; assortment of other furniture; Very large collection of other items, there are many of everything.

NOTE: This is a very large auction. Randy has collected for many years, there are many of everything. Note starting time we will start at 9:00. Check our web site for pictures at www.thummelauction.com.

RANDY EASTMAN

Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC

ANTIQUE AUCTION **SUNDAY, FEBRUARY 3, 2019 — 10:00 AM**

Auction will be held in Kenwood Hall at the Saline Co. Fairgrounds in SALINA, KS

ART & INDIAN

COLLECTIBLES paintings by Birger Sandzen student Lois Kirpatrick: Frantiska Palecek (Republic Co. 1912-1999); woodblocks & lithographs by Prairie print makers & Kansas artists inc: (Birger Sandzen, Lloyd Foltz, William Dickerson, Ernest Hubert Deines, complete Wichita's First 50 Years Art portfolio with 10 pen-cil signed lithographs); other prints & paintings; Indian Collectibles: extensive collection Navajo silver & turquoise jewelry: Indian blankets: baskets: Skookums; spear; other pieces.

ADVERTISING & COLLECTIBLES Advertising: signs inc: (porcelain John Deere 3 leg deer;

porcelain Good Year Tire; rare large Keen Kutter Kords "tires"; 2 porcelain Standard Oil: Four Rivers Whiskey tin litho; Pittsburg Water Heaters tin litho;

Strawberry Julip; Champlin Motor Oil; Redi Kilowatt; Pepsi Cola); Coca Cola, 7UP & Dr. Pepper coolers; Wood River gas pump globe; Vickers gas pump globe lens; Chevrolet dealership mirror w/policeman; champion Spark plug cabinet & thermometer; other advertising thermometers, tins, yardsticks & other advertising; Saturday Evening Post news stand World War II propaganda post-ers & other WWII items; saddle w/silver ornamentation; pedal tractors; salesman sample Minute Man seed scalper/screener; small thresher/sifter: Simmons Hardware salesman sample wood heat stove; Folk Art dovetailed work bench; other Folk Art pieces; trench art; large condom mold; 1940's table top juke box; Coleman items; print blocks & type set; cast iron boot scraper; door stops; salesman sample lawn mower; traps;

Railroad: (Look Out For Cars sign; lantern; microphone; telephones; date nails; other); catalogs; Kansas hardware store calendars; assortment paper; pharmacy bottle collection; large collection Longaberger baskets; Pottery & Glass: Roseville pinecone jardinière; Roseville Moss vase; Van Briggle vase; Frankoma; other pottery; 3 pc. mantle clock & candelairon motorcycle; dolls; other); miniature cast iron tools; large assortment of other collectibles.

bra set; large assortment glass inc: (Fenton; Cambridge; Art glass; other); large collection porcelain (50 pieces Belleek; Lladro; Hummel's; 2 large Haviland Limoges dinner sets; Red Wing sponge bank Hickok Kansas pitcher; other stoneware); Toys (Lionel trail sets; slot cars: Gilbert slot car store display in original box; cast

Note: This is an individual collection. They have a very large quality collection. Check our website for pictures at www.thummelauction.com

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SATURDAY, FEBRUARY 9, 2019 — 10:00 AM

Auction will be held in Kenwood Hall at the Saline Co. Fairgrounds in SALINA, KS Texaco Fire Chief, DP 10-2-4, china & bisque; Barbie dolls

ANTIQUES, TRAIN COLLECTIBLES & SIGNS

Oak time clock form Robinson Mill Salina; oak curved glass china cabinet w/pillars; oak highboy w/mirror; thousands of postcards; large assortment viewer cards; large assortment of pictures, several paintings; bronze figure; 12 railroad lanterns; switch lantern; railroad paper; railroad signs; Chicago North Western Railway, North Western, UP Equipment Trust No 1 of 1974; signs inc: (Oliver Chilled Plow, Crystal White Soap, RG Gillivans 7-20-4 cigar, Bus Depot, Ceta Color, Danger, Poll Parrot neon, Jewelry Cleaning); DP thermometer; DP plastic clock; TWA picture; large collection of Hallmark ornaments; large collection copper inc: (bed warmers, pitchers, foot warmers, tea kettles, candle holders, pots, pans, funnels. many other pieces); Fenton pieces; china dresser set; large assortment of glass inc: Art glass; carnival glass; Majolica; assortment blue willow type dishes; glass baskets; Depression glass; figurines; large collection dolls; doll heads inc:

& toys; Howdy Doody puppet; Boy Scout shirt; wall clocks; Hummels; figurines; tapestry; pop bottles; Tootsie toys; plastic cars; Fisher Price toys; blue bottles; Packers bear; Chicago Bulls lamp; Schwinn bike; decanters; beer mugs; clothes pin bag; Indian Girl McPherson flour sack; pens; pencils; assortment books; Marvel comics; school desk; child's chairs; lanterns; buttons; cast iron kettle; large assortment Starting Lineup figures; Desert Storm cards; hundreds of Beane Babies: hundreds of other items.

Note: This is a large auction. Jack collected all of his life. There are thousands of post cards. We did not unpack the boxes. We added another collection to make this a very nice auction. We will sell the railroad collectibles at 12 Noon. Check our website for pictures www.thummelauction.com

JACK CHARLTON ESTATE

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

Grass & Grain Area **Auctions and Sales**

January 30 — Real Estate: 28 acres m/l of Brome pasture with metal pens, home (property located at the NW edge of Alma) held at Alma. Auctioneers: Murray Auction & Realty.

February 1 — Annual Angus Bull sale including Angus & SimAngus bulls. SimAngus bred heifers held at Beatrice, Nebraska for Cammack Farms.

February 2 — Guns, fishing tackle, related items held at Osage City. Auctioneers: Wischropp

Auctions February 2 — Vehicles. trucks, trailers, tires, hay, straw, brome seed, livestock supplies, tractors machinery, lawn mowers & ATVs, hedge posts, iron T Posts, firewood, trusses & new lumber, good used

shop tools, collectible coins & misc. (NO household) held at Axtell for Knights of Columbus, Axtell Council #1163 consignment auction. Auctioneers: Cline, Wilhelm, Kostal, Heiman, Daling-haus, Horigan, Prell & Prell, Olmsted, Schaardt.

February 2 — Patent Model & Salesman Samples, toys & children items, guns, advertising, tobacco, banks, brass tools, ice cream freezers collection, watch FOBs & small adv. items, traps, cast iron seats, drill ends, planter lids, tool boxes, scales, hammers & tools, oil collectibles. prints, bridle bits & related horse items, many more collectibles, furniture, wooden boxes, photos & more at Strong City. Auctioneers: Hancock Auction & Real Estate,

hicles, trailers, equipment & tools, appliances, furniture, antiques & more. Also selling Farm House & 80 acres held at Leon for Estate of Francis Sowers Jr. Auctioneers: Sundgren Realty, Inc. * Land Bro-February 2 — Tractors. trucks, machinery, antique

February 2 — ATVs. ve-

furniture & guns held North of Lucas for Wendell Robinson Living Estate. Auctioneers: Thummel Real Estate & Auction, February 2 — Real Estate sold in 3 tracts (T1: 4

ac. w/2-story home, barn & silo; T2: 113 ac. m/l cropland: T3: 160 ac. m/l cropland) held at Effingham for Betty Montgomery. Auctioneers: Stranger Creek Realty. February 3 Art & Indian collectibles inc.

oil paintings, woodblocks & lithographs by Prairie print makers & Kansas artists & more, advertising & collectibles held at Salina. Auctioneers: Thummel Real Estate & Auction, February 6

equipment including tractors & sprayer, harvesting equipment, trucks & pickups, trailers, other farm equipment & farm items held near Garden City for Rolding Farms Inc. tioneers: Berning Auction, February 7 — 157 Acres

Greenwood County Flint Hills grassland, ponds, fence, deer & wildlife held at Olpe for William D. & Christa J. Pike Revoc Trusts. Auctioneers: J&D Auction Service, LLC, Jase Hubert & Dwayne Coble.

February 9 — Real Estate (almost 2 city blocks with 5 mobile homes) held at Abilene. Auctioneers: Wilson Realty & Auction Service. February 9 — Over 300

lots of coins including mint & proof sets, foreign coins, complete book of IH cents. wheat cents, large cents & Peace & Morgan dollars and more held at Portis
for Robert Young. Auctioneers: Wolters Auction.
February 9 — Private
lifetime coin collection in-

cluding Wheat Cents, In-dian Cents, Buffalo Nick-els, Memorial Cents, Large UCTIO

TRACTORS, TRUCKS &

MACHINERY

1989 Caterpillar D6H dozer

w/10' blade; John Deere 8650

4 wheel drive tractor, 3 pt.

PTO, quad range, needs work;

Case 970 Agra King tractor, power shift, 3 pt. dual hyd; GB loader for Case no buck-

et; Bob Cat 643 skid steer

4' bucket hyd pump is out;

1980 Ford 8000 twin screw

truck, diesel 3208, 5 speed 3

speed Brownie transmission,

needs brake work: 1972 Ford

South to 250th Drive then 1 ½ miles West.

Cents, Jefferson Nickels Dollars, World Silver Coins, Gold & Silver, baseball cards, rifle & more at Augusta for collection of Leo Meadows of Winfield, Leo Meadows Trust. Auctioneers: Chuck Korte Real Estate & Auction Service,

February 9 — Furniture, antiques, collectibles & more at Marysville for Margaret B's Antiques. Auctioneers: Olmsteds & Sandstrom.

February 9 — Marshall County Real estate sold in 3 tracts; also selling 2014 Frontier truck. Fort Knox gun safe, appliances, furniture, lawn mower held at Frankfort for Gregory Trust. Auctioneers: Joe Horigan Realty & Auction

February 9 — Antiques. train collectibles & signs at Salina for Jack Charlton Estate. Auctioneers: Thummel Real Estate & Auction, LLC. February 9 — Farm

toys & related collectibles, mostly John Deere at Osage City for Ed & Mina Slusher. Auctioneers: Wischropp Auctions.

February 10 — Antiques & collectibles, crocks, furniture & store items, very large collection of other items & more held at Salina for Randy Eastman. Auctioneers: Thummel Real Estate & Auction, February 15 - 781 acres

m/l of Chase County Flint Hills rangeland held at Cottonwood Falls. Auc tioneers: SunGroup Real Estate & Appraisals. February 15 — Annual

Spring Bull & Female sale held at Lost Springs for Cow Camp Ranch selling Simmental & SimAngus February 16 & Febru-

ary 18 — Selling Feb. 16: Tools & shop equipment, antique machinery & tools, semi tractors, van, trailers. fuel tanks & parts, storage vans, containers & misc.; Selling Feb. 18: Tractors, motor grader & dozer, combine, haying equipment, machinery, livestock & fencing items, antique machinery & salvage items & more misc. held both days near Leonardville for Nelson Truck Line, Inc. & Dean Nelson Farm. Auctioneers: Cline Realty & Auction, LLC.

February 16 — Tractors, farm machinery & livestock equipment at Newton for Sterk Dairy, Kent Sterk. Auctioneers: Van Schmidt, Auctioneer/Real February 16 -391.3

acres m/l Marshall County land held at Waterville for Freida Niemeier Trust. Midwest Auctioneers: Land and Home, Jeff Dankenbring. February 16 —

cles, tractors, machinery, collectibles & more held South of Hunter at Ash Grove, KS for Phyllis & Tony Cheney Estates. Auctioneers: Thummel Real Estate & Auction, LLC.

February 16 — Genetic Blend Bull sale held at Joplin, Missouri selling bulls & commercial females.

February 17 — Estate gun auction held at Salina. Auctioneers: Wilson Real-

February SCHEDULED from Jan. 19 which was postponed due to weather) — Neon lighted signs & clocks, advertising signs inc. 70+ porcelain, flange double sided, single side porcelain & more, pedal tractors, advertising oil cans of all sizes, coin banks, 40+ vintage sports felt pennants held at Lawrence. Auctioneers: Elston Auctions.

dents Day Spectacular sale selling bulls (2 year olds, yearlings & spring yearlings), Reg. fall bred heifers & Reg. spring yearling heifers held at the ranch near Amsterdam, Missouri for Ade Polled Herefords. February

acres m/l of Marion County native grass land held at Marion. Auctioneers: Farmers National Company, Fred Olsen, AFM/agent; auctioneer Van Schmidt. February 19 — 264 acres

m/l of Greenwood County Flint Hills rangeland held SunGroup Real Estate & Appraisals. February 21

County farmland, Smoky Hill River Bottom held at Abilene for Ruth E. Bernard. Auctioneers: Reynolds Real Estate & Auction February 21 — 301 acres of Shawnee County

acres m/l of Dickinson

land in 2 tracts & combinations held at Rossville for XIT Farms. Auctioneers: Hall and Hall. February 22 — Wichi-

ta County land auction including farmland, pastureland & native grass held at Leoti for S & T Farming, LLC. Auctioneers: Berning Auction, Russell Berning, broker: Lawrence & Assoc. Realty. February 22 — 637.03

acres Chase County Flint Hills land, native bluestem, rolling hills, livestock grazing held at Cottonwood Falls for Steve Nordeen, Nancy Bruington, Brenda Bruch & the KSU Foundation. Auctioneers: Griffin Real Estate & Auction Service, LC. February 23 — 330 lot

coin auction held at Salina for E. Phil Smith Collection. Auctioneers: Baxa Auctions, LLC, Mark Baxa. February 23 — 480 lot coin auction held at Em-

poria. Auctioneers: Swift-N-Sure Auctions & Real Estate. February 23 — Truck,

tractor, equipment, firearms, safe, outdoor items, collectibles, household & misc. at Baldwin City for Mrs. (Tony) Connie Lindell Hackett. Auctioneers: Elston Auctions. February 23 — 160 acres m/l of Wabaunsee

County native & brome grass pasture land with creek & wildlife habitat held at Paxico for Sam & Vinnie Halbert, Auctioneers: Cline Auction & Realty, LLC.

<u>637.03 ACRES NATIVE BLUESTEM</u>

CHUCK MAGGARD

Cell: 620-794-8824

14' offset disc; Cat 12AT motor

grader for parts no motor; T

ANTIQUE FURNITURE &

GUNS

Guns inc: Ruger Red Hawk 44

mag pistol; Remington Sportsman 12 ga; Mauser 30-06 w/ scope; Oak curved glass sec-

retary; oak flat glass secretary;

fainting couch; curio cabinet;

round oak table & 4 chairs;

oak sow belly kitchen cabinet;

3 oak dressers; cream separa-

tor: assortment other furniture.

posts; electric fence posts

FLINT HILLS CHASE COUNTY AUCTION

ROLLING HILLS • LIVESTOCK GRAZING

FRIDAY, FEBRUARY 22, 2019 • 2:00 PM

AUCTION LOCATION: Community Building, Swope Park, COTTONWOOD FALLS, KANSAS 66845

Sellers: STEVE NORDEEN, NANCY BRUINGTON,

BRENDA BRUCH & THE KSU FOUNDATION

PROPERTY LOCATION: From Matfield Green, KS, take Hwy. 177 South 1/4 mile to 55 Rd., then East 1/4 mi. to R Rd., then South

continuing on Thurman Creek Rd. South and East for 9 miles to WP

Rd., then North 1 mile to Madison Rd., turn East for 1.6 miles, to the

access road. A gentleman's agreement across a neighbors land for

Please contact Griffin Real Estate for viewing and terms.

See www.GriffinRealEstateAuction.com for full details!

305 Broadway, Cottonwood Falls, KS 66845 620-273-6421 • Fax: 620-273-6425 • Toll Free: 1-866-273-6421 In Office: Nancy Griffin, Heidi Maggard

Email: griffin123r@gmail.com • www.GriffinRealEstateAuction.com

1/2 mile to the South, has been the access to this property.

Griffin & Auction RICK GRIFFIN Broker/Auctioneer Cell: 620-343-0473

SATURDAY, FEBRUARY 2, 2019 — 1:00 PM

Auction will be held at the farm located 10 miles North of LUCAS, KS to 250th Drive in Os-

borne Co. then 1 ½ miles West. Or from TIPTON, KS 3 miles West to 20th Ave then 9 miles

8000 twin screw truck, diesel

3208, 5 speed 3 speed Brown-

ie transmission, air brakes, 16'

box needs work; 1985 Chevro-

let S10 pickup 4 speed, does

not run; 1985 GMC 3500 High

Sierra 4 door 4 wheel drive flat-

bed pickup 6.2 diesel 5 speed:

1992 Ford pickup 302 engine,

automatic; 1996 Ford Explorer

XLT 4 wheel drive auto, 6 cy

engine weak, 321993 miles;

1940's Willys jeep; Krause

2400 tandem disc 27'; DRA John Deere 16-10 drill; Miller

NOTE: The auction will not be very long, be on time, we will start with antique furniture,

the equipment, there are no small items. Everything is sold as is. Everything needs to be removed in 2 days. Check our website for pictures at www.thummelauction.com.

WENDELL ROBINSON LIVING ESTATE

Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC

785-738-0067

Rock Cattle Company Cowman's Kind Bull & Female Sale at Barnard. February 24 — Real Es-

ty & Auction Service.

McFarland for Margaret McKinney. Auctioneers: Crossroads Real Estate & Auction, LLC. February 24 — Shop & woodworking tools, guns, farm-related items & much more held at Reading for Mary Ann Newton. Auctioneers: Wischropp Auccollectibles inc. tions. February 27 — 437.90

acres of Morris County rolling Flint Hills land, native bluestem held at Council Grove for Gene W. Porter Revocable Trust. Auction-February 18 — Presieers: Griffin Real Estate & Auction Service, LC. February 28 - 560 acres m/l of Dickinson & Clay

County farmland held at Abilene for Neaderhiser Revocable Trust. Auctioneers: Reynolds Real Estate & Auction.

March 2 — 2 Tracts of

tate (2BR, 1BA home) and

personal property held at

land, personal property at Ramona for The Estate of Gregory E. Stenzel. Auctioneers: Griffin Real Estate & Auction Service, LC. March 2 - Angus Pro-

duction Sale, 100 bulls, 50 females held at the ranch Olsburg for Laflin Ranch. March 2 - Farm machinery, iron, tools & misc.

held South of Chapman for Loren Peck. Auctioneers: Kretz Auction Service. March 3 — Bredemeier

Angus Farms Annual Bull & Female Production sale held at Falls City, Nebras-

ka selling Rg. Angus bulls, Reg. Angus Females, cow/ calf pairs, bred & open

heifers. March 5 — 31st Annual Lyons Ranch sale held at the ranch (Manhattan) for

Lyons Ranch. March 6 — - Farm & Industrial consignment auction held at Beattie. Auctioneers: Rottinghaus Consignment Auction.

March 7 — Hereford bull sale held at Courtland for Jensen Bros.

March 8 — 160 acres excellent native grass pasture held at Frankfort for Dale & Janet Seematter. Auctioneers: Joe Horigan Realty & Auction Co.

March 9 — 33rd Annual Concordia Optimist consignment auction held at Concordia.

March 9 — Rippe Gelb vieh Production Sale held at Belleville. March 10 — Lots & lots of collectible & vintage

tools, planes, barn lanterns & much, much more held at Osage City for the Collections of Kenny Spielman & Gail Hancock, sellers. Auctioneers: Wischropp Auctions. March 11 — 59th Annual

Polled Hereford sale held at the farm near Burchard, Nebraska for Tegtmeier Polled Herefords. March 14 — 18th Annual

Sale held at the ranch in

Manhattan for BJ Angus Genetics. March 15 — 23rd Annual Production Sale at

Maple Hill for Sunflower Genetics.

Grass & Grain, January 29, 2019 Page 11 ing Rg. Angus bulls, March 16 — Tractors combines, farm machinery, trucks & trailers, hay equipment & misc. at Lecompton for Leslie Fami ly Farm, sellers. Auctioneers: Wischropp Auctions. March 16 — (Resched

uled from Dec. 1) — Real Estate & personal property at Maple Hill for Dan & Judy Burdach. Auctioneers: Murray Auction &

March 17 — Cattleman's Choice Angus & SimAngus Bull & Female Sale at Greenleaf.

March 20 — Bull sale at Overbrook Livestock Comm. for Howard Woodbury, Woodbury Farms.

March 23 collection of IHC & Farmall tractors & implements, pedal tractors, stationary gas engines, wheel horse lawn & garden tractors, Cub Cadet collection & other collectibles at Burlington for Richard & Martha Newkirk. Auctioneers:

Kurtz Auction & Realty.

March 30 — Fink Beef Genetics Spring Angus and Charolais Bull Sale held at Randolph.

April 6 -Residential auction including ranchstyle 2BR, 2BA home, 2002 Buick Regal LS 4 door, antique furniture, household, tools & more at Waterville for Freida Niemeier Trust. Midwest Auctioneers: Land and Home.

April 13 — New Strawn Farm & Ranch consignment auction held at New Strawn. Auctioneers: Kurtz Auction & Realty Service.

2-DAY AUCTION **TRUCKLINE • SHOP TOOLS • PARTS & FARM MACHINERY**

Starting at 10:00 AM BOTH DAYS! Lunch on the Grounds As I am retiring from the trucking business & farming, the following will sell located From

Randolph, KS on Hwy. 77 & Hwy. 16 Jct., 6 miles South on Hwy. 77 to Sherman Rd. then 1/2 mile West on the North side OR Northwest of Manhattan, KS on Hwy. 24 to the Jct of Hwy. 24 & 77 (Riley Corner) go 3 1/2 miles North on Hwy. 77 to Sherman Rd., then 1/2 mile West on the North side to 9570 Sherman Road, LEONARDVILLE, KS.

SELLING SATURDAY, FEBRUARY 16 • 10:00 AM: SHOP TOOLS, PARTS, TRUCKLINE SALE ORDER: Shop Tools, Truckline items, Antiques, Van Parts and Misc. SEMITRACTORS, VAN.

TRAILERS, FUEL TANKS To sell at 1:00 PM: 2002 Peterbilt

379 semi-tractor with 63" sleeper, Cat 6NZ 550HP motor, 3.36 rear ends, 18 sp. Eaton trans., VIN: 1XP5DB9X72D566284, has Super Singles tires & wheels, just replaced all brakes, slack adjusters & camshafts, good shape, 1,182,000 miles, complete overhaul at 800,000 miles; 1989 Peterbilt 375 with LT Cummins motor, 9 sp. trans., 220" wheel base, tandem axle, day cab, runs good; 2002 & 2011 chrome Peterbilt bumpers; 2006 Transcraft 53 step deck aluminum combo trailer with 2 Merritt storage boxes & California sliding spread axle. very good; aluminum head board for front of a step deck trailer; 2 heavy duty 8' aluminum ramps: 2006 Cornhusker 48' spread axle grain trailer, extra all LED lights, wide traps, 20,000 lb. rear axles, Shur-Lok tarp, stainless back, SN: 1T92C482660007874, very good with low miles; 1999 Dodge Grand Caravan SE mini van, all wheel drive. AT. 186.000 miles iberglass cab wind deflector of of Kenworth; fifth wheel dolly with nyd. cylinder lift; new truck chains; 2500-gal. single compartment fuel tank with Fill-Rite Model 310 High Flow electric 3/4HP pump with meter; 500-gal. fuel tank with Tokheim Model 822 electric pump with meter; 550-gal. fuel tank with Fill-Rite FR700 V electric pump ith meter: 500-gal, fuel tan Fill-Rite FR711 electric pump with meter; partial barrel of Cenex Max DEO 15-40 oil.

TOOLS & SHOP EQUIPMENT Katolight Model No. KLM1-40-1000 generator, SN691551-0707,

bolt bins with many bolts of all 120/240 volts, acetylene torch sizes; approx. 50 metal McCall complete with cart & lifetime torch pattern cabinets & other metal head; Millermatic 130 wire welder with cart: Millermatic 251 wire cabinets for parts storage; hand welder; Briggs & Stratton 5,000 crank oil container; Winsor chair watt 11HP generator; Lincoln 225 saw sharpener on stand; tool to amp arc welder; Marquette 235 amp arc welder; Model 33-CBS2 make chain saw chain; heavy duty 4" pipe A-frame on rollers metal band saw; Continental hyd. press Model CP100; Tradesman 14" Model 8100 drill press; Continental cherry picker; Lincoln shop items Power Greaser with 20' hose; 8' heavy duty grinder on stand; 5HP upright 80-gal. 175 lb. pressure air compressor Model TK5080BM; Sanborn Model 500A60 air compressor with 60-gal. tank, 150 psi; Hotsy Model 79055 power washer, 2000 lb. pressure, good; DeWalt Model DW871 14" metal chop saw; Schumacher SE-4022 battery charger; Proseries AAA battery charger; parts washer; Sears Craftsman 10" radial arm saw; Coats 40-40 SA air operated tire changing machine; Craftsman tool box; other tool boxes; 5" vise: 2 Craftsman shop vacs: many good log chains & boom-(2) 5-gal. bucket pumps for oil: oil barrel pumps: floor jack: air bumper jack; air chisel; SPX AC-DC automotive clamp meter; InfraRed thermometer hand gun; 2 large valve compressors; spindle

3 pt. heavy duty hyd. log splitter heavy duty gas-powered log split-ter on wheels; plus many misc **ANTIQUE MACHINERY & TOOLS** McCormick IHC 1-row ground drive corn binder, shedded working condition; Case No. 5 6 horse pull mower; 2 walk behind plows; other old machinery; old Case toolbox; several antique wrenches of all types; 1-row lister; several old iron wheels;

pump jacks; old Whippet car body parts including frame, fenders & a 1928 tag; old wooden ice chest; sausage press; assorted old manuals; traps; many old gas motors including Maytag, Clin-ton, Iron Horse, Briggs & Stratton. John Deere LA tractor motor

Continental & Tecumseh; many new parts for these old motors. STORAGE VANS. **CONTAINERS & MISC**

1992 Stoughton 47 1/2'x13'6" high van storage trailer with battery op-erated fold-up lift end gate; Strick 45' van storage trailer; 45' van storage trailer, no wheels; (2) 45 steel storage containers, good some storage racks, wood & met al; Yardman 20HP 46" cut lawn tractor mower; several CB radi os: several piles of dry firewood many, Many new truck parts, lights, used tires, 1 new 455/50 R22.5 Michelin XDN2X one tire;

many, many assorted nuts, bolts, small shop items. For complete list, please check the website! SELLING MONDAY, FEBRUARY 18 • 10:00 AM SALE ORDER: Salvage Items, Posts, Livestock Equip., Machinery

> line posts to big corner posts; several hi-line poles. MORE ANTIQUE MACHINERY & SALVAGE ITEMS

Weaver Auto Crane hand crank wrecker boom; old belt drive buzz saw; old motor bike; old Studebaker truck frame & cab; old New Idea 1-row corn picker David Bradley hay rake; 1939 McCormick International dual wheel truck, restorable; 1983 Ford F-150 4x4, 4 sp., 6 cyl. pickup; 1978 Ford F-150 Rang-er XLT with 400 motor, AT; other Ford pickups; Mazda & T-Bird car body; 1962 cabover GMC straight truck with all steel bed & hoist; IHC 55 wire tie baler; 2 old JD manure spreaders; B-JD hood & fenders; many old iron & salvage items; JD 17-hole FBB grain drill with fert. (needs drive casting); old Superior iron wheel wooden box 12 hole grain drill; dump rake; several 2 & 3 bottom steel wheel plows; 15' JD straight disc; 7' JD & 7' IHC tandem drag discs; JD 95 combine with Rice discs; JD 95 combine with Rice tires; Ford F-600 truck; trailer house axles & frame; pile of alu-minum; more old iron wheels &

IHC 18.4x38 axle mount duals & hubs; 4 Ford rear weights;

MISCELLANEOUS ITEMS

salvage items

Frost Free water hydrant; 4 used 18.4x42 tires; 92" steel ramps; grader blades; DuAl loader mounts for 66 Series tractors with cabs; heavy 1" cable with clevis ends; hyd. pump, valve & reservoir for JD 95 combine; small cement mixer, electric operated; some used pipe and plate steel; near new New Holland bale probe moisture tester.

drive hay rake with dolly wheel, good; New Holland 352 grind-er-mixer, shedded; John Deere TRACTORS, MOTOR GRADER approx. 300 hedge posts from

sockets; several Homelite &

McCulloch chain saws; kerosene & propane space heaters; 3-plus

wrenches; metric wrenches,

sizes plus large metric soci

& DOZER
Puma 165 Case-IH FWA tractor SN: Z7BH01956 with 18.4x42 tires, triple hyd., 4130 hrs., sells

with KW1760 loader with 8' bucket, good shape; heavy duty 8' loader bucket with heavy duty grapple, good shape with euro hookup; 2 prong bale spear for loader; John Deere 720 diesel tractor, SN: 7219155 with NF, 3 pt., power steering, pony motor starting motor, near new rims & tires; 720 shop manual; Caterpillar Motor Grader Model 12, SN: 8T3690, runs; Allis Chalmers Model No. HD16 dozer, SN: 5368, cable lift (needs some work), but not running today.

COMBINE & HEADER Case-IH 2388 Axial Flow Com-

bine, SN: JJCO267277, 4475 eng. hrs., 3465 rotor hrs., combine has AFS Case-IH Harvest System & Field Tracker, rear wheel assist, near new 480-80R 42" dual tires, plus fold-up bin extensions, shedded; Case-IH 1020 flex head 25', Model No. 1020-25-N78-CH, ID No.: CBJ033070; near new BBK header trailer; Model 500 Easy Trail center unload grain cart, good; E-Z Trail 300 bu. & 200 bu. gravity wagons on 6 & 8 bolt rims with adiustable tonques

HAY EQUIP. & OTHER MACHINERY New Holland 1118 self-pro-pelled swather, SN: 531513 with 1116H 16' header, SN: 522630 with rubber rolls & cab, shedded; New Holland 1112 self-propelled swather, SN: 286140 with 910H 16' head, SN: 285616, overhauled in 2011 (needs gear box seal), cab & shedded; Vermeer 504I round baler, SN: 1VRA11156X1006395

with monitor & tucker wheels, string tie; John Deere 672 hyd.

1560 no-till grain drill with fert. & hyd. drive loading auger, SN: 1560X695234, new discs & new style packing wheels in April 2018, very good, shedded; John Deere 235 centerfold disc, SN: A00235H017747; Hutch Master 14' rolling plow offset disc; Glencoe 4-row 3 pt. cultivator; 3 JD F145 5x16" plows & (1) 4x16" F-145 plow; JD 2-row 3 pt. rotary hoe; 2 JD front mount 4-row 36' cultivators for NF tractors; older GT 250-bu. batch PTO & propane grain dryer; Bush Hog 5' 3 pt. rotary mower; IHC 311 6' 3 pt. rotary mower; JD No. 5, 7' mower; JD No. 8, 7' mower, needs some work; Mayrath 8"x72' PTO bottom drive grain auger, good; David Bradley running gear; oth-er running gears; 30' Hillsboro pull type hyd. fold springtooth; Hesston 2 pt. bale carrier; front loader bale spear, good; IHC 45, 18' vibra shank; 3 pt. post hole digger; 3 pt. 300-gal. poly tank sprayer with centrifugal pump with 30' booms, good; heavy duty shop built 3 pt. 8' swivel blade; Ford pickup bed trailer; 500-gal. poly transfer water tank; heavy duty 3 pt. single spear bale mov-er; Peck 8" hyd. drive hopper unloading auger, good.

LIVESTOCK & FENCING ITEMS Palco head gate, very good; Paul hog livestock scale; older

cattle working chute; hog head gate; metal loading chute (needs floor); 2017 Titan West Original portable corral, 80 head capacity; (2) 16'x7' wide steel tanks cut for shelters; several metal gates & panels; (2) 3 pt. carryalls; 40 wire cattle panels & 170 wire hog panels, all good; (100) 6', (370) 5 1/2' & (55) 5' good used steel posts;

JD rear weights; tractor & grader chains; (2) 1066 front ends; 1066 front weight bracket; new

SELLER: NELSON TRUCK LINE, INC. & DEAN NELSON FARM

For more information Please Call Dean Nelson, 785-293-2260 • Many Items Not Listed! Auction Conducted By: CLINE REALTY & AUCTION. LLC **TERMS**

John E. Cline, Broker-Auctioneer, Onaga, KS 785-889-4775 or Cell 785-532-8381 Austin Cline, Auctioneer, Frankfort, KS • 785-565-3246

www.mcclivestock.com/clinerealty

or Theft. Statements made sale day take precedence

Cash or Valid Check. Not Responsible for Accidents

over printed material.

SATURDAY, FEBRUARY 16, 2019 & MONDAY, FEBRUARY 18, 2019

nut wrench; long auger bits; set of quality drill bits 1/2" to 1", very good; 1" air impact with sockets; 3/4" drive sockets; Air Blaster for tires; assorted tire changing combination wrenches up to 2"; crow foot wrenches plus many other SAE and metric wrenches Page 12 Grass & Grain, January 29, 2019



ON THE EDGE OF COMMON SENSE

Cowbov's Grace

Dear Lord,

Yer lookin' at a man who never learned to cook unless you count pork & beans And a flowery grace like you'd read in a book is really beyond my means

But You can believe I'm a thankful man

though it might be undeserved And I'll eat whatever comes out of the pan no matter what's bein' served

I don't take it lightly if it's real good cause I'd eat it anyway See I know there's people, in all likelihood that might not eat today

So count me in if yer needin' grace

cause we who work on the land

and bless those who provide it The farmers and ranchers, the bakers of bread the loving hand that fried it

Know how much our harvest and bounty is due

But most of all, Lord, we give thanks to You

to the gainful touch of Yer hand So bless this food and the life we embrace and please forgive us our pride When others with tables a-plenty say grace

for what we've helped You provide.

www.baxterblack.com

Second annual Cattleman's Winter Field Day to be held February 9th

The Cattleman's Winter Field day will be on Saturday, February 9 from 10 a.m. to noon, at the Wyckoff Cattle Company located near Wellsville. This is the second year the K-State Research and Extension Marais des Cygnes District and the Miami County Conservation District

have partnered with the Wyckoff family to bring this workshop to local beef producers.

This year's main speaker will be Jaymelynn Farney, KSU Beef Systems specialist. Jaymelynn will present on "Feeding Your Cattle Herd Through the Winter Months." Hershel George, K-State Research specialist will also present on Riparian Buffers. Weather depending, attendees will be able to tour and/or see demonstrations on unrolling hay, tire tank waterers, cross fencing, riparian buffers and bud box facilities. There is no cost to

attend, but participants are asked to pre-register by February 6th to allow for meal arrangements. To RSVP or for questions and more information contact the Marais des Cygnes District-Paola Extension office at 913-294-4306 or email Katelyn Barthol at kbarth25@ksu.

Great Bend Farm and Ranch Expo set for April 10th-12th

Planning is under way for the 2019 Great Bend Farm and Ranch Expo/ Tradeshow scheduled for Wednesday, April. 10, through Friday, April. 12, at Great Bend.

Great Bend and Ranch Expo 2019 is dubbed as one of the largest farm events in the United States dedicated to promoting agricultural technology, with more than 700 vendors covering 80 acres.

While making the announcement, a Star Enterprises spokesperson said that they will be located at the Expo Complex west of town. They have many exciting exhibits & activities planned for this year. including exhibitors from 27 states, Canada, Australia & England. KSN will be broadcasting live all three

Among the key demon-

621@143.00

603@141.00

622@141.00

598@139.00

663@139.00

687@138.00

645@138.00

705@137.00

680@136.50

782@134.50

736@134.00

733@133.00

743@132.50

790@132.50

781@131.50

730@130.50

795@130.00

709@129.50

849@127.75

878@127.00

strators is J.D. Wing, who is the head horse trainer for the Tee Cross Ranches. The Tee Cross brand was the first brand registered in the state of Colorado and is synonymous with quality in both its Quarter Horse and cattle operations. The brand has produced their own breeding program of outstanding Quarter Horses used not only on the ranch but having produced quality horses used in competition around the world. The horse training demonstrations are brought to you by Bobby Norris Real Estate Farmers Bank & Trust.

The main event this year will be Dr. Tom Noffsinger's Cattle Handling demonstrations and presentation; he is an industry expert in cattle handling and animal husbandry. When it comes to animal husbandry, lowstress cattle handling techniques can take herd management to the next level of professionalism and production.

Dr. Noffsinger will provide an updated presentation with the latest techniques for adopting low-stress cattle handling. Areas of focus include facility design, noises, moving aids, working zones, and much more.

Show hours are: 9:00 a.m. to 5:00 p.m. on

April 10th; 9:00 a.m. to 7:00 p.m. on

April 11th; and 9:00 a.m. to 4:00 p.m. on

April 12th. The Expo stays open until 7:00 p.m. on Thursday to better assist the

consumer population that

works during the day. The Great Bend Farm & Ranch Expo is a family-owned business and a proud member of the

Livestock Commission Co., Inc.

SALE BARN PHONE: 785-825-0211

Salina, KANSAS

Great Bend Chamber of Commerce. Brought to you by the following corporate sponsors: KSN, Great Bend Co-op, Fenoglio Boot Company and the American Hat Company Inc.

Parking and admission are free and there will be \$5,000 in prizes.

Vendor space is still available. To reserve a booth space go online to download the application or contact the Expo office via email or phone to receive an application. They have inside and outside booth options.

Contact the Great Bend Farm and Ranch Expo office at 866-685-0989, cell 785-332-6506, or by email at dales@greatbendfarmandranchexpo.net

For more information. http://www.greatbendfarmandranchexpo.

Farmers & Ranchers **AUCTIONS EVERY MONDAY & THURSDAY**

Selling Hogs & Cattle every Monday

RECEIPTS FOR THE WEEK TOTALED 1,974 CATTLE & 93 HOGS. 550@143.50

6 blk

8 blk

12 blk

11 mix

11 mix

4 blk

17 blk

20 mix

15 blk

28 mix

25 mix

21 blk

70 blk

63 mix

9 blk

9 blk

7 blk

5 blk

41 blk

485@181.50

463@177.50

474@174.00

537@172.00

6 blk 12 blk Moundridge

Longford

Lindsborg

Ellsworth

Salina

Salina

Hope

Salina

Hope

Gypsum

Geneseo

Sedgwick

Ellinwood

Ellinwood

Longford

COWS

1760@72.50

1750@71.50

Solomon

Solomon

Assaria

Salina

Beloit

Salina

Bushton

Hope

400-500	\$166.00 - 181.50
500-600	\$157.00 - 172.00
600-700	\$144.00 - 161.75
700-800	\$131.00 - 147.35
800-900	\$128.00 - 144.75
900-1,000	\$123.00 - 140.50
	HEIFERS
400-500	\$142.00 - 157.00
500-600	\$140.00 - 155.00
600-700	\$132.00 - 147.00
700-800	\$120.00 - 137.00
800-900	\$113.00 - 127.75

THURSDAY, JANUARY 24 FEEDER SALE:

STEERS Burrton

Brookville

Fllsworth

Ellsworth

4 blk

7 mix

5 blk

16 blk

59 mix

20 mix

7 blk

6 blk

29 blk

Enterprise

Gypsum

Abilene

Courtland

Ellsworth

9 blk	Bushton	546@167.00			
2 blk	Salina	475@166.00	MONDAY, JANUARY 21 CATTLE & HOG		
2 blk	Abilene	543@163.00	SALE:		
44 blk	Ellsworth	616@161.75			
9 blk	Geneseo	609@160.00	HOGS		
4 blk	Burrton	603@160.00	4 fats	Hillsboro	306@34.00
2 blk	Abilene	573@158.00	5 fats	Hillsboro	285@33.25
19 blk	Gypsum	622@157.00	4 fats	Clay Center	300@33.00
5 blk	Burrton	639@154.00	2 fats	Abilene	295@31.50
12 mix	Bushton	642@152.50	4 sows	Harlan	591@26.75
10 mix	Salina	650@152.00	3 sows	Mankato	583@26.50
4 blk	Abilene	646@152.00	2 sows	Harlan	510@25.50
13 mix	Hope	640@151.50	2 sows	Abilene	535@24.00
4 mix	Longford	631@151.00	5 sows	Abilene	469@23.50
2 blk	Moundridge	663@148.00	4 sows	Abilene	545@22.00
70 blk	Gypsum	794@147.35			
3 blk	Galva	612@147.00	CALVES		
26 mix	Hope	801@144.75	1 bwf	McPherson	285@535.00
12 mix	Longford	709@144.00	1 blk	Wells	180@525.00
14 blk	Assaria	823@143.50	1 blk	Tampa	120@525.00
10 blk	Sedgwick	868@143.00	1 red	Salina	250@510.00
5 mix	Hope	825@143.00	1 red	Wells	245@500.00
23 mix	Assaria	844@142.00	1 blk	Wells	235@500.00
6 blk	Newton	903@140.50	1 blk	Wells	220@450.00
4 blk	Longford	944@140.50	1 blk	Minneapolis	60@375.00

29 mix	Hope	907@139.00	1 red	Claflin	1700@71.50
12 mix	Gypsum	1039@136.50	2 red	Solomon	1735@71.00
			1 blk	Minneapolis	1895@70.50
HEIFERS			1 red	Solomon	1820@70.00
8 mix	Brookville	443@157.00	1 blk	Tampa	1575@69.00
3 blk	Salina	418@155.00	1 blk	McPherson	1630@69.00
11 blk	Burrton	531@155.00	1blk	McPherson	1675@69.00
5 blk	Gypsum	507@152.00	1 blk	McPherson	1715@69.00
6 blk	Bushton	528@150.00	1 blk	Minneapolis	1585@68.00
3 blk	Salina	555@150.00	1 blk	McPherson	1730@66.00
23 blk	Ellsworth	518@149.00	1 bwf	Salina	1595@65.00
4 mix	Salina	545@148.00			
13 blk	Burrton	592@147.00		BULLS	
28 blk	Gypsum	610@147.00	1 char	Minneapolis	2100@75.00
5 blk	Hutchinson	654@146.00	1 blk	Barnard	1615@66.00
3 blk	Inman	535@145.00			

849@140.25

891@139.75

811@139.00

863@139.00

1 red

1 blk

IN STOCK TODAY:

Heavy Duty Round Bale Feeders

6'8" x 24' GOOSENECK STOCK TRAILER METAL TOP

6'8" X 24' GOOSENECK STOCK TRAILER

yearlings first, followed by Packer cows and bulls.

MONDAY — HOGS & CATTLE Hogs sell at 10:30 a.m. Cattle at 12:00 Noon. Selling calves and

THURSDAY — CATTLE ONLY Selling starts at 10:00 a.m. Consign your cattle as early as pos-

sible so we can get them highly advertised.

AUCTIONEERS: KYLE ELWOOD, ANDREW SYLVESTER & GARREN WALROD

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

CATTLE USA.com LIVE CATTLE AUCTIONS

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

**Starting in FEBRUARY ALL SPECIAL Sales will start at 11:00 AM!!

UPCOMING SPECIAL SALES:

**Starting in FEBRUARY ALL SPECIAL Sales will start at 11:00 AM!!

WEANED/VACCINATED SALES

• TUESDAY, FEBRUARY 5

SPECIAL COW SALES • TUESDAY, FEBRUARY 19 • TUESDAY, MARCH 19

• TUESDAY, APRIL 16 • TUESDAY, MAY 7

OTHER SPECIAL SALES:

- ★ Saturday, February 23rd@1:00 pm: Winney Angus Annual Bull Sale
- ★ Monday Evening, March 4th: Don Johnson Angus Sale ★ Saturday, March 23rd: New Frontier Bucking Bull Sale
- ★ Saturday, May 18th: Spring Spectacular Horse Sale

EARLY CONSIGNMENTS FOR THURSDAY, JANUARY 31:

140 black/BWF steers and heifers long time weaned vacc 650-850; 105 steers home raised long time weaned 2rnd vacc 700-850; 16 steers and heifers weaned 40 days home raised 500-700; 60 heifers 2rnd fall vacc Angus/Angus home raised open weaned bunk broke 650-750; 80 steers 2rnd fall vacc Angus/Angus home raised weaned bunk broke 650-750.

EARLY CONSIGNMENTS FOR TUESDAY, FEBRUARY 5, WEANED/VACC SALE:

28 heifers 2rnd fall vacc open 90-100 days weaned 600-650; 40 black/CharolaisX steers and heifers running out 600; 37 steers and heifers weaned Dec 1 fall vacc 600-700; 40 black steers and heifers 600-700; 20 black steers and hefiers weaned 90 days home raised 2rnd vacc 500-700; 75 black steers and heifers 600-700; 14 steers and heifers home raised Angus Source 500-650; 250 black steers and heifers Replacement Quality 600-850; 50 CharolaisX steers and heifers: 36 Red Angus teers 2rnd fall vacc home raised long time weaned 800-850; 100 mostly steers 2rnd vacc weaned 600-800; 30 mostly black steers and heifers weaned Dec 1 home raised bunk broke poured knife cut 450-600; 40 BWF/RWF steers and heifers weaned Oct 24th 800; 30 steers and heifers 600; 26 steers and heifers long time weaned 550-650; 50 heifers 650-750; 80 mostly black steers and heifers 400-700; 34 black/RWF steers and heifers weaned 60 days 2rnd fall vacc guaranteed open home raised bunk broke 600-800; 30 steers and heifers 600; 49 steers and heifers 400-650; 200 black steers knife cut 2rnd vacc 600-750; 100 black steers and heifers knife cut 2rnd vacc 600-750; 67 Angus heifers cattle trace tags 700; 60 black steers home raised off wheat 700-850; 35 heifers 650-750; 74 steers and heifers weaned 60+ days 700; 76 black heifers 650-750; 15 steers and heifers long time weaned 3rnd vacc bunk broke 500-700; 10 steers and heifers weaned Nov 10th vacc 600-700; 5 steers and heifers 2rnd fall vacc long time weaned 600; 17 heifers Bar S sired long time weaned 400-450; 70 steers and heifers 500-800; 85 black steers and heifers off wheat 750-850.

For Information or estimates, contact:

593@145.00

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

Kenny Briscoe Cody Schafer Lisa Long

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

our website at www.fandrlive.com

Check our listings each week on

Austin Rathbun 785-531-0042 Ellsworth, KS

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

620-381-1050 Durham, KS

785-658-7386 Lincoln, KS

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