

Beachner Bros. Livestock named WRCA World Champions

By Donna Sullivan, Editor

Kansas was well-represented at the 23rd Working Ranch Cowboys Association World Championship Ranch Rodeo, held November 9-11 in Amarillo, Texas. Seven teams hailed from the Sunflower State out of the 22 that competed: Stock Ranch/Felt Ranch of Redfield; Lonesome Pine Ranch, Cedar Point; Robbins Ranch/Keith Cattle Co., Cottonwood Falls; Broken H Ranch/Hebb Cattle Co., Fall River; Eight Over Quarter Circle/Stinson Ranch, Minneapolis; Beachner Bros. Livestock, Erie and Haywire Cattle Co., El Dorado. When the final results were tallied, three of them occupied the top four positions.

As the dust settled Beachner Bros. Livestock of Erie was named World Champion, which according to the team's patriarch, came as a bit of a surprise. "We knew we were up there, but didn't think we'd won it," said Cal-



Beachner Brothers Livestock turned in a time of 41.17 seconds during the Wild Cow Milking on Friday's go-around at the 23rd World Championship Ranch Rodeo. Photo by Shaie Williams

vin Kendall. "Even when they announced it, my wife thought they were wrong. She was figuring it up, and thought another team had is like another son, who

won it." But it was Calvin, his sons Cody and Caden, and Ty Swiler, who Calvin says had earned top honors. The Reserve Champion team was Haywire Cattle Company of El Dorado made up of Andy Jones, Callie Jones, Randy Jones, Justin Peterson, Jake Peterson and Clint Bohner. Coming in 4th was Broken H Ranch/ Hebb Cattle Co. of Fall River with Bayle Hebb, Tiffany Hebb, Chris Potter, Cliff Hall, Brock Hall and Josh Lilley in the saddle for them.

Individual honors went

to Haywire's Justin Peterson for Top Hand, with Ty Swiler of Beachner Bros. earning Reserve Top Hand.

And it wasn't just the cowboys earning recognition. Little Tee J Paul, ridden by Cody Kendall of Beachner Bros. was named Top American Quarter Horse and Top WCRR Horse and Reserve Top WCRR Horse went to Playboys Ten Eagle, ridden by Andy Jones of Haywire Cattle Co.

The Beachner Bros. team has a history that goes back to when the boys rode in junior rodeos together. Transitioning to riding with, and competing against, adults was a bit daunting for the youngsters, according to Calvin, who said all they ever wanted to do was rodeo and work on the ranch. "The only real challenge was convincing them kids that the speed would come later, and the rest would, too," Calvin reflected. He recalled their first year to compete in Amarillo when the three boys weren't old enough to sport Budweiser's sponsorship logo on their shirts. Caden was a senior in high school, Cody was a freshman and Ty a junior at Ft. Scott.

It wasn't smooth sailing for the team to get to the top spot in this year's event. They took a no-time in the stray gathering the first

night, and were slapped with a loping penalty in the branding, an event Calvin says they would have otherwise won. They did win the team penning and wild cow milking events. Calvin said his favorite event is the wild cow milking where, after roping the cow, the cowboys must squeeze enough milk into a Budweiser bottle for the judge to be able to pour out, then get the rope off the cow's neck to get a qualifying time. And it's not called "wild cow" milking for nothing - these aren't docile Holsteins waiting to be relieved of their cargo.

Other events included Ranch Bronc Riding, which was won by Justin Peterson of Haywire Cattle Co., Stray Gathering, and Team Branding, which was also won by Haywire.

All the hard work, aches and pains, bumps and bruises are worth it for these cowboys as they go home to their ranches. Out of the spotlight, with no fans to cheer them on, they put those skills to work day in and day out; practicing for next year, while getting their jobs done.

But for now, Calvin is happy to relish the victory. "I'm probably the happiest father in the world right now," he said. "And I feel like I'm the luckiest."



Justin Peterson, Jake Peterson, Clint Bohrren and Andy Jones of Haywire Cattle Company finished Satruday night's go around in the Wild Cow Milking with a 2nd place time of 37.71 at the WRCA World Championship Ranch Rodeo held in Amarillo. Photo by Shaie Williams



Broken H Ranch/Hebb Cattle Co. of Fall River get their calves penned in the team penning event. Photo by Dan Hubbell

The fruits of Fairchild: book shares history of U.S. crops By Lucas Shivers global agent of the USDA. In the 1880s, Fairchild nourished on his way back thousand of them to Wash- were not native to the U

As part of Science Communication Week in Manhattan, more than 150 people attended a book signing and presentation with author Daniel Stone on November 6 at the Flint Hills Discovery Center.

"Can you imagine life without the diverse American crops of avocados, mangoes, kale, soybeans or seedless grapes?" asked Stone. "The story of David Grandison Fairchild, considered the father of globalized agriculture and a culinary visionary, influences us today."

The Food Explorer is the story of Fairchild, a special

He visited more than fifty countries in the 1890s in search of thousands of foods to enrich American agriculture. As a K-State alumnus and Manhattan native, Fairchild was a botanist who introduced foods to the American plate and diet.

"What we eat is a story of so many factors," said Stone. "We eat about 1% of the possible fruits in the world like bananas and apples because of a series of qualities to eat, keep and taste. There are many 'greatest hits' of new varieties of crops from around the world because of Fairchild."

Stone is a writer for National Geographic, Newsweek and The Daily Beast on environmental science, agriculture and botany based in Washington D.C. He also teaches environmental policy at Johns Hopkins University.

After growing up in Los Angeles, Stone spent his youth in California fields of peach orchards and strawberries before moving to the east coast.

Beginning the Adventure

As the main subject of the presentation, Fairchild came to Manhattan as a ten-year-old when his father, George, become the third president of Kansas State Agricultural College in 1879.

meet Alfred Wallace, a contemporary of Charles Darwin, who had been on the other side of the planet, said Stone.

"This formative meeting was so inspiring that it fueled his entire life of adventure to see the rich flora, taste the wild fruits and experience the whole world," he said.

Fairchild found a job with the USDA in Washington, D.C. Then he landed a position with the Smithsonian Institute in Italy. On the steamship over the Atlantic, Fairchild met a rich Chicago funder who invested in his future travels.

"The two of them together combined a spirit of friendship and funding," said Stone.

Fairchild started to travel the world to pick out fruits, vegetables and plants to increase opportunities for American agriculture with new products and commodities.

Searching for New Fruits

In his first assignment, Fairchild traveled Europe to find citrus trees. After taking a photograph of a village, he was arrested by local officials who thought he was a military spy. After they let him go, Fairchild darted into a citrus grove and took three cuttings and three fruits.

"Fairchild stuck the cuttings into potatoes to be to Washington," said Stone. "These plant starts were bred and gave new life to the successful citrus industry in California."

On another trip to the western coast of South America, Fairchild arrived in Chile where he found a whole series of new crops like one called the 'alligator pear' or avocado. Avocados had been in Mexico and the southern U.S. but without a commercially viable product.

"Fairchild found a superior product with thicker skin, creamier insides, smaller stone pits and better shapes," said Stone. "Packed in mud, he sent a

ington where they were prepared and sent to tropical regions in the southern U.S. in the late 1890s. Within two decades, scientists and chefs cross-bred and made the avocado even

more popular." In Bagdad, Fairchild saw the crossroads of the Silk Road trade routes. He went from indiscriminate hunting to a more methodical approach. Fairchild asked farmers about sun and soil. He'd take advice and research notes before sending products back.

Fairchild introduced more than 20 varieties of dates back to the U.S. from the Middle East. Dates

were not native to the U.S., but date palms became productive thanks to the transformative power of Fairchild's work of giving life to the ag economy.

In Germany, he searched for hops with more diplomacy. He found pears and persimmons in Hong Kong and new varieties of wasabi from Japan. The USDA even commissioned watercolor artists to paint the vibrance of these new crops.

Personally, he married the daughter of Alexander Graham Bell in 1903 and later hired other younger men who carried out exploration work.

• Cont. on page 3



The Food Explorer author Daniel Stone shares about David Fairchild's culinary ambition to transform the U.S. from a blank agricultural canvas to the a diverse food system in the 1890s. The event was hosted by the Flint Hills Discovery Center in Manhattan.



Protect and Enhance

Bv John Schlageck, **Kansas Farm Bureau**

There's an old saying that goes something like this: Sometimes you must look back on where you've been to know where you're going. Being an ardent student of history, I believe it definitely has its place in our society today.

Whenever I take a road trip across Kansas or some other destination across our great land, I often stop along the way to read historical markers. They include details about battles, pestilence and devastation as well as discovery, success and progress.

When Mom and Dad were alive, we sometimes visited cemeteries in rural Kansas and Missouri to pay homage to relatives and friends. Below the headstones rested the remains of men in our family who spent their lives planting and harvesting behind sweating teams of horses, butchering hogs on bitterly cold days and teaching new sons about the soil.

Also, down there were the remains of women who collected eggs, washed clothes by hand, cooked skillets full of fried chicken and managed to raise and nurture a family under sometimes nearly impossible conditions.

They are the ones who wove the fabric that serves as the yardstick for our new and dynamic future. What happened with these early pioneers has a direct bearing on our present successes and failures.

One such winning story revolves around the strides agriculture and its people have made in the interests of conservation. Not everything that has happened in conservation can be limited to the last 20 or 30 years. Many of the innovations in conservation began taking shape in the years after the Dirty Thirties, nearly 90 years ago.

Thousands of shel-

terbelts were planted in Kansas and other Great Plains states. After years of droughts and rain finally began falling again. ponds dotted the landscape holding this precious resource. Landowners learned to make the water walk and not run, conserving this water for livestock and sometimes for thirsty crops.

Terraces snaked their way across thousands of miles of farmland holding soil and water in place where it belonged. Soil-stopping strip cropping created patterns and reduced wind erosion.

Slowly but surely conservation measures continued to slow the soil erosion gorilla that had stomped across the High Plains leaving in its wake gullies the size of automobiles, drifts of soil as high as fence posts, withered lifeless wheat and corn and starving livestock on barren pastures.

Yes, with knowledge, education, patience, understanding and hard work and Mother Nature's ability to heal herself, the rich, fertile land recovered. Throughout this renaissance of the land, farmers and ranchers learned that stewardship of the soil, water and other resources is in the best interest of us all.

Without question, agriculture has yet to receive credit for what it has done to protect and to enhance the landscape and for its willingness to change and improve the few mistakes it has made.

It is important for all of us to understand what has happened in the past so we can place present

I was part of with Jayson

Lusk at Purdue Universi-

ty and Nathan Hendricks

at K-State suggested that

if you don't control for

weather, you get that an-

study assumes average

weather during the grow-

ing season and acknowl-

edged that technology

alone is not the answer to

increasing vields in chang-

ing climates. Producers

tend to adjust their man-

agement strategies based

on weather or other cli-

anything about increased

probabilities of very se

vere droughts nor extreme

events," he said. "We're

always talking about an

average growing season

in terms of temperature

and precipitation over the

last 20-25 years, and then

we've got these climate

change models that will

tell us how the tempera-

ture and the precipitation

"We are not saving

matic factors.

Tack noted the current

swer really wrong.'

events and future needs in their proper perspectives. To avoid doing so will blind us to involvement and participation in much larger efforts extending throughout a long span of time.

Incidentally, a new, modern twist may be nothing more than an old theme or something coming around after having gone around. After all, human history is comprised of human ideas. And incidentally, nearly all ideas are timeless, just waiting to be dusted off, reshaped and used again.

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.

Study: Genetically engineered corn may help offset effects of climate change said. "Previous work that

Count Kansas State University agricultural economist Jesse Tack among those who recognize unique challenges created by the world's rising demand for food and changing climates across the globe.

Tack and Ariel Ortiz-Bobea of Cornell University recently published a study in the journal, Environmental Research Letters. looking at the impact of climate change on corn yields in eight Midwestern states.

The study shows pretty clearly that corn varieties improved by modern technology have an upside for overcoming emerging climate-change concerns.

The researchers paired 35 years of climatic data with United States producers' adoption of genetically engineered (GE) corn to find out if incorporating a new technology can offset the effects of higher temperatures and other weather impacts.

These and other technologies "may be a fruitful strategy for counter-balancing climate change," according to the researchers. Recently developed genetic engineering techniques, such as CRISPR, are likely to play a large role moving forward.

Tack said there is more work to be done to understand potential effects with other agricultural crops and in countries where GE crops are accepted.

"The hope is that this is not just a one-time, oneshot technological gain," Tack said. "We think we can continue to press the envelope and continue to innovate and improve crop yields."

GE corn is thought to produce higher yields, and in 1996 - when U.S

corn producers were first adopting varieties with these improved traits that certainly held true. Tack said the study showed vield trends increased by nearly 70 percent during the rapid adoption period, from approximate gains of 0.94 percent per year prior to 1996 to 1.6 percent afterward.

"It's really convenient when you have (a crop) that is highly produced in the U.S. across a wide range of locations and been produced for a long time," Tack said. "That gives us a big enough data set that we can make estimates that we can feel comfortable with. And if that coincidentally is a crop that is pretty important from a global standpoint, you kind of have a nice mixture of this being something that is worth studying and you have the data to do it."

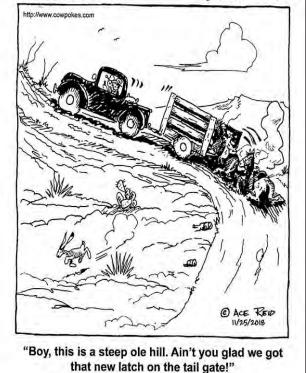
Tack noted the study looked at corn yields from 1981 through 2015 in eight states and 500 counties. Then, looking at climatic conditions for those same years, the researchers built trend lines that gave them a better idea of how weather conditions affected yields before and after adoption of GE corn.

"The reason it got interesting is because if you had a string of good-weather events coinciding with the adoption of the GE crop, and you didn't control for those factors in your analysis, you might end up saving. GE is just gangbusters," Tack said.

On the other hand, "You might have really bad weather that coincided with GE adoption," which could skew the impacts in the other direction, he said.

"You have a big debate in the research literature about whether GE adoption is even associated with yield gains," Tack

COWPOKES By Ace Reid



will change for an average growing season."

The full study is available online at http:// iopscience.iop.org/article/10.1088/1748-9326/ aae9b8.

Kansas State to get half of campus energy from wind farm

(AP) - Kansas State University officials estimate that half of the Manhattan campus will be powered by wind by 2020.

University officials recently announced a new agreement with Missouri-based Westar Energy, the Kansas City Star reported. The Kansas City electric utility will cover half of the campus' energy needs, saving up to \$200,000 per year.

Kansas State's new power source will come from Soldier Creek Wind Energy Center, a 300-megawatt wind farm northeast of Manhattan in Nemaha County. It's projected to be operational by 2020.

The agreement locks the university into fixed rates that are cheaper than its electricity bill rates for about 20 years. Kansas State currently pays 2.3 centers per kilowatt-hour, but the new plan will freeze costs at 1.8 cents.

The university consumes about 113 million kilowatt-hours per year.

Gary Weishaar, university manager of energy and controls, said the move wasn't just about cost-savings, but part of ongoing sustainability efforts that are important to students.

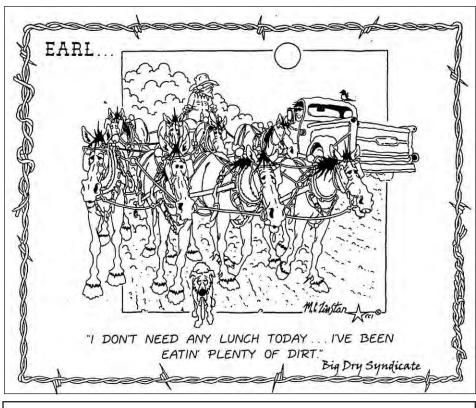
"That's the number one question they ask about renewables," Weishaar said. They care about climate change, global warming and renewable energy." The university also has plans to transition to more energy-efficient LED lighting and replace dated technology with more sustainable products.



To say that I have never been the romantic type is probably an understatement. I freely admit that gift-giving is something that doesn't come very easy to me and thank goodness that Jennifer is willing to overlook this minor defect in my personality. To be honest I probably used up all my romantic ideas in the first month or so of our courtship. After all I am the guy who sent her balloons and red hots for our first Valentine's Day. I told you I was bad at the whole romantic notions' thing. However, this year I out did myself when it came to our anniversary. I knew it was November, I just didn't think it was the middle of November yet. In my defense with the late harvest I have been more distracted and absent minded than usual (and that is saying something). That is why I was shocked when our daughter reminded me on Saturday that our anniversary was on Sunday. What was I going to do? At this point I couldn't get away to get a present or even a card, I was caught. The only thing left to do was to just man up and admit my failure. A friend once told me that the secret to a happy marriage was the phrase, "I am a man; therefore, I am wrong, and I am sorry.' Never were more true words spoken and never have they been put to the test like they were for my anniversary. I guess I failed to mention that not only had I not done anything for our anniversary, but I had made plans to wean calves and vaccinate them (after going to church that morning, of course). I had the help all lined up, there was no going back on it. That meant going out for dinner was out of the question and it was on Sunday so having flowers sent to her work was also not going to happen. Things were looking bad for the home team. Sunday morning came, and Tatum wished us Happy Anniversary and asked Jennifer what I got her. Jennifer thought about it for a minute and pointed at the three new, shiny, red feed bunks in the yard and said, "I guess that is what I am getting this year." She went on to explain that with all the craziness of this fall and things being backed up that she had not gotten me anything for our anniversary

either.

It's funny how often I am reminded of how lucky I am to have a wife that tolerates all my shortcomings and accepts me for who I am. I am sure that working calves and getting feed bunks were quite a way down her anniversary wish list, but she went about the day like that was exactly what she wanted and where she wanted to be. I guess the easy answer is that the life of a farm or ranch couple is like that, no matter what the calendar says, work must come first. Maybe the fact that I realized and worried about my lack of anything special for our anniversary was enough. I guess over the past twenty-plus years, Jennifer has learned that it is the thought that counts. I don't profess to be an expert on anyone else's marriage and I would be a terrible counselor, but I do think that I have learned a little bit. Gifts and nights out on the town are important but it's not what makes a marriage strong. Working side by side to build something, making a life together and sharing in the ups and downs are what makes our marriage work. I know I frustrate Jennifer to no end and the disappointments are many, but she takes it all in stride and for that I am the one who is blessed. While she deserves so much better than feed bunks and a date working calves, I am not sure she would have it any other way. I intend to make it all up, when and if this harvest ever gets done and we finally get all the cows out on stalks. In the end, it probably ended up being one of the best anniversaries we have had. The weather was great, the cattle working went smooth and both kids were home to help. To top it off the feed bunks worked magnificently, and the calves loved them. Most importantly, I was reminded of how lucky I am. As a side note, whether I outdid myself, however, is up for debate. I have gone on from the balloon and redhot debacle to achieve some awesome failures when it comes to holidays and romantic moments. Feed bunks for an anniversary present is a doozie, except there was the Mother's Day that we sheared sheep. That one is hard to top.





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The fruits of Fairchild: book shares history of U.S. crops, cont.

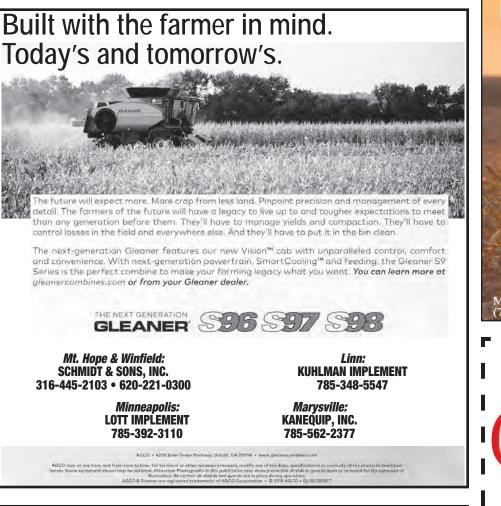
Cherry Blossom in D.C. When in Japan, the cherry blossom trees caught Fairchild's eye most as an ornamental, not a food crop

due to sterile conditions personal land in Maryand without a true crop. "It was not as much an economic issue but more beauty when he purchased

land," said Stone. "Fairchild imported 20 cherry blossom trees to his own front yard, where political



In the 1890s, David Fairchild, who grew up in Manhattan, got arrested, caught diseases and bargained with island tribes to bring hundreds of fruits and vegetables to forever change what Americans eat.



By Advertising in Grass & Grain,

guests including President William Taft took interest in the trees."

The trees became a way to patch over immigration tensions to share cherry blossom trees to beautify Washington D.C., where the Japanese were flattered to select trees to send.

There was also concern for pests and invasive species from another Manhattan native and friend, Charles Marlatt, who was a USDA entomologist who inspected the Japanese trees and found new scale insects and bacteria risks.

Marlatt, who was more cautious with new global plants, thought it was too dangerous. The first round of cherry trees was publicly burned.

Japan sent a new second shipment which was grown in virgin soil and planted around the Tidal Basin with four existing trees from 1912 to be viewed today. It is a giant source of tourism in the region, and Fairchild never saw it coming.

Conflicting Worldviews The Fairchild and Marlatt debate showed sides of isolationism or internationalism, said Stone. "We have debates like

this even today about what or who comes into our country as products or even people," he said. "It's an argument among two men and ideas shared from competing 1911 National Geographic magazine stories."

Fairchild shared that new plants were our neighbors and friends, but Marlatt debated the pests and problems side. "Both are right in a way,

and both are wrong in other

ways," said Stone. "Marlatt had more long-term success with his argument and persuaded Congress to pass quarantine laws in 1912 with current laws still in place today.'

By the 1940s, Fairchild retired to Florida, as close to the tropics as possible, and created a botanical garden.

For more information about other Science Communication Week events, visit http://www.k-state. edu/scicomm

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2018 Grass & Grain Holiday Recipe Contest

Jackie Doud, Topeka, Wins Holiday Contest & Prize CHRISTMAS CHEESECAKE

1 1/2 cups crushed Ritz crackers 3 tablespoons butter, melted (3) 8-ounce packages cream cheese 1/4 cup heavy whipping cream 1 tablespoon oil from sun-dried tomatoes 3 large eggs, lightly beaten 6 ounces baby Swiss cheese, shredded 1/2 cup oil-packed sun dried tomatoes, patted dry & thinly sliced green onions, chopped

Preheat oven to 375 degrees. In a bowl mix cracker crumbs and butter. Press onto bottom of a greased 9-inch springform pan. Place pan on a baking sheet. Bake until golden brown, 10 minutes. Cool on a wire rack. Reduce oven setting to 325 degrees. In a bowl, beat cream cheese until smooth. Beat in cream and oil. Add eggs, beat on low speed just until blended. Fold in cheese, tomatoes and green onions. Pour over crust. Return pan to baking sheet. Bake until center is almost set, 35-40 minutes. Cool on a wire rack 10 minutes. Loosen sides from pan with a knife. Cool 1 hour longer. Refrigerate overnight covering when completely cooled. Remove rim from pan. Serve with crackers.

Claire Martin, Salina: 'Can also use apple pie filling with very happy results!'

HOLIDAY FRUIT SALAD 1 can peach pie filling 1 small jar maraschino

cherries, drained 15 1/4-ounce can pineapple chunks with juice

refrigerator until ready to serve. **Annette Reilly, Abilene:** "If you use colorful sweet peppers in the mix, it makes

a festive meal with eye-ap-

peal that will feed your soul

Mix all ingredients to-

gether in a bowl. Store in





special neighbor that provides us with homemade bread; a treat to say the least! Happy Eating!"

OMELETTE SCRAMBLE FOR TWO

1 tablespoon cooking oil 1 cup diced ham

1/2 cup diced sweet peppers (I use pre-chopped, frozen) 1/2 cup (plus or minus) chopped onion

5 eggs

1/4 cup shredded cheese, optional

Heat oil on medium in skillet: add ham and brown turning at least once. Add sweet peppers and onion; saute until tender. Crack eggs atop. Turn burner to low. Scramble eggs within mixture. Cook until eggs are fluffy. Turn out onto plates and sprinkle with cheese, if desired. Serve with homemade bread, toasted, with jam or jelly (one can use sausage but be sure to drain all but 1 tablespoon of oil before adding the veggies).

Kim Kramer, Longford: "Here is an entry for the recipe page. I clipped it from an old Farm Journal, Jan. 1997 and use it regularly for my turn at our church fellowship breakfast. Can't be any more simple or quick."

PECAN STICKY BUNS 1/2 cup packed brown sugar 1/2 stick butter, melted 1 tablespoon water **Chopped nuts**

(2) 8-ounce tubes crescent rolls

Stir together brown sugar, melted margarine and water until smooth. Grease cupcake tin. Spoon 1 tablespoon sugar mixture in each tin and top with some chopped nuts. Unwrap crescent dough, but don't unroll it. Instead slice each tube into 6 slices. Place a slice in each tin. Bake at 350 degrees for 20 minutes. I run a knife around the roll in the tin before inverting immediately.

Bernadetta McCollum, Clay Center: "I have omitted the bourbon sometimes and we still enjoy these." **FIG CHIP BOURBON**

BALLS 1/4 pound dried figs, trimmed 1/2 cup bourbon 1/4 cup water 3 1/4 cups crushed vanilla

wafers (about 68)

1 cup confectioner's sugar 1 cup ground pecans

3 tablespoons all-purpose flour

1/4 teaspoon ground cinnamon 1 cup mini chocolate chips 2 tablespoons light corn

syrup

1/4 cup granulated sugar

Plump figs in simmering 1/4 cup bourbon and water in pan, covered, 10 minutes. Cool. Puree in food processor. Mix vanilla wafers, sugar and 1/2 cup nuts, flour, cinnamon and chocolate chips in a bowl. Add syrup and remaining bourbon to fig puree; add to cookie mixture. Mix remaining nuts and granulated sugar in a bowl. Shape dough into 1-inch balls; roll in nuts and sugar. Let mellow in air-tight container at least 24 hours.

Rose Edwards, Stillwater, Oklahoma:

SOMBRERO SPREAD

2 pounds ground beef 1 onion, chopped

Salt & pepper

1 cup hot ketchup

2 tablespoons chili powder

1 teaspoon garlic powder 1 can light red kidney

beans with liquid 2 cups shredded Cheddar

cheese 1 cup stuffed green olives,

chopped

1 cup onion, chopped

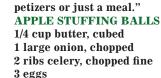
Brown meat with 1 cup chopped onion and season with salt and pepper in skillet. Stir in ketchup, garlic powder and chili powder. Mash beans on a plate before adding them to the meat mixture. Put mixture in crock-pot and heat through. Top with cheese, olives and 1 cup chopped onion. Serve as a spread for tostadas or as a dip with chips.

Kimberly Edwards. Stillwater, Oklahoma: **MOZZARELLA CHEESE**

DIP 12-ounce package mozzarella cheese, finely shredded 3/4 cup mayonnaise 3/4 cup sour cream 1/2 teaspoon garlic powder 1/2 cup Parmesan cheese Crackers

Mix all ingredients together. I use more garlic than called for, so I would say season to your own taste. Refrigerate. Serve with crackers.

Darleen Bernhardt, Tecumseh: "Makes great ap-



1/4 cup minced parsley

- 3/4 teaspoon salt
- 1/2 teaspoon dried thyme
- 1/4 teaspoon pepper 9 cups bread crumbs

2 medium apples, peeled & finely chopped

Preheat oven to 350 degrees. In a large skillet heat butter over medium heat. Add the onion and celery: cook and stir 4-6 minutes or just until tender. In a large howl mix the eggs, parsley, salt, thyme and pepper. Stir in bread crumbs, apples and onion mixture. Shape into 2-inch balls. Place stuffing balls in a foil-lined jelly roll baking pan. Bake until golden brown, about 30-35 minutes.

Linda Kepka, Dorrance:

MOLASSES CRINKLES 1 cup brown sugar 3/4 cup shortening 1 egg 1/4 cup molasses 2 1/4 cups flour Pinch of salt 2 teaspoons baking soda

1 teaspoon cinnamon 1 teaspoon ginger 1/2 teaspoon cloves

Sugar for dipping

Mix brown sugar, shortening, egg and molasses together. Set aside. Mix flour, salt, baking soda, cinnamon, ginger and cloves. Add to the other mixture. Chill dough in refrigerator for at least 4 hours or overnight. Roll into balls the size of walnuts. Dip in sugar and place sugar side up on a cookie sheet. Bake at 350 degrees for 8 minutes. Makes 5 dozen cookies.

Amy Feigley, Enterprise: "This will earn your way to the heart of any Swede."

TOAST SKAGEN

4 tablespoons mayonnaise 1 tablespoon Dijon mustard 1 tablespoon fresh chopped dill

1/2 tablespoon lemon juice 14 ounces small salad

- shrimp Rye bread toast
- Garnish: fresh dill sprigs and lemon wedges

Mix together the mayonnaise, mustard, chopped dill and lemon juice. Add the shrimp to the mayonnaise mixture and stir until all mixed. Put a spoonful (or two) on a piece of small rye bread toast. Garnish with fresh dill sprigs and lemon wedges.

Lucille Wohler, Clay Center: **CRANBERRY-ORANGE** SALAD

1 small package raspberry gelatin 1-pound package cranberries

2 oranges 2 cups sugar

Mix raspberry gelatin according to directions. Grind cranberries and oranges. Add to gelatin along with sugar. Mix well and refrigerate.

Kellee George, Shawnee: "Great dip for pretzels, apples or your favorite crackers.'

TURTLE CHEESECAKE DIP **30 Kraft caramels**

2 1/4 cups Cool Whip, divided 2 ounces semisweet chocolate, chopped

(2) 8-oz. packages cream cheese 1 1/2 cups chopped pecans

Microwave caramels and 1/2 cup Cool Whip in medium bowl on high 1 minute 40 seconds, stirring after 1 minute. Stir until caramels are completely melted and sauce is well-blended. Cool 10 minutes. Microwave chocolate and 3/4 cup of the remaining Cool Whip in a small bowl for 1 minute, stirring after 30 seconds. Stir until chocolate is completely melted and sauce is well-blended. Beat cream cheese with mixer until creamy. Add 2/3 cup caramel sauce beat until blended. Gently stir in 1 cup Cool Whip. Spread cream cheese mixture onto serving plate, drizzle with chocolate sauce and remaining caramel sauce.

Lydia J. Miller, Westphalia: PEANUT BUTTER BALLS 1 stick oleo

- 2 cups peanut butter
- **3 cups Rice Krispies**
- (1) 8-ounce milk chocolate bar

6-ounce bag semisweet chocolate chips

- 1/2 cake paraffin wax
- 1 pound powdered sugar

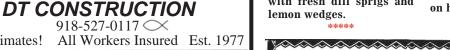
Combine oleo, powdered sugar, peanut butter and Rice Krispies. Roll in 3/4inch balls and set aside. In a double boiler melt chocolate bar, chips and wax. Chip wax with a knife. After melted dip balls in chocolate. Place on waxed paper to dry. Store in a cool place.

Millie Conger, Tecumseh: "You can put in pretty jars and give for gifts for Christmas. Maybe with a pan of fresh baked hot rolls."

ROAD HOUSE BUTTER

- 2 sticks butter, room temperature
- 1 cup powdered sugar
- 1 cup honey 2 teaspoons cinnamon

Mix all together. Great on hot rolls.



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Holiday Recipe Contest

Nov. 20 through Dec. 18

In observance of the holiday season. Grass & Grain will award the weekly winners \$35 in addition to the prize gift. **Recipes received NOW through DECEMBER 11** will be entered in the holiday contest. Enter as often as you like during this period.

BONUS DRAWING

Second chance to win! The names of all contestants will be entered in a drawing from which four names will be chosen. Each of these four contestants will receive \$35 Winners will be announced Dec. 18.

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- Blue/Green set features embossed stars.
- 8 1/4-by-7-by-2-inch in size.
- Soup bowl, approx. 14 ounces.
- Dishwasher, microwave and oven safe.

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: auctions@agpress.com



BARN BUILDERS



1.2 Acres on the corner of York and North Street. The warehouse located on the property was constructed in approximately 1985 and has public access with two paved roads leading to the property. The warehouse is metal with a steel frame and is approximately 60'x80' or 4,800 sq. ft. The lot size is large at approximately 53,108 sq. ft. The property is zoned I-2 (Light Industrial District) The property is assessed for taxation purposes as residential use. Taxes for 2017 were \$1,600.26. The property is vacant.

TERMS ON PROPERTY: 10% down the night of the sale and signing of a sales agreement. Balance is due on or before December 31, 2018. Building and Property is being sold in an AS IS condition. No warranties expressed or implied by Coldwell Banker Antrim Piper Wenger Realtor's or Seller. All inspections are to be completed prior to auction at Buyer's expense if requested. Title Insurance to be shared equally betweer Buyer and Seller. Taxes pro-rated to closing. Buyer to produce a letter of financing preapproval from lender prior to sale to the Auctioneer to include Cash offers. Sale is not contingent on the buyers obtaining fi nancing. Price to be approved by seller. POSSESSION: Upon closing. AGENTS: Mark Baxa, Realtor and Chris Rost, Broker @ Cold well Banker Antrim Piper Wenger Realtors represent the Seller in this transaction.

nnouncements day of auction take precedence over printed material.

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ANTRIM-PIPER WENGER REALTORS

Chris Rost REALTOR® Cell: 493-2476 Office: 785-827-3641 www.cbsalina.com





The Christmas holiday decorating time is here, and one key holiday decoration item is the poinsettia plant. If this plant is on your decorating list, follow these tips to keep it looking its best during the holiday season.

Your blooming poinsettia plant is sensitive to heat and cold so protect it from temperature extremes when you take it home. Pay attention to your home's indoor temperature. Your poinsettia will give you a longer display life if you keep the room slightly cool where it's displayed. During the daytime hold the room temperature near 70 degrees. At nighttime, lower the thermostat setting a few degrees; 60 to 65 degrees is good. Avoid exposing your poinsettia to prolonged periods when temperatures are above 75 degrees or below 60 degrees.

Strive to keep the plant from going thirsty. Letting the plant dry to the point of wilting may cause sudden leaf drop (bare-legged poinsettia). Check your plant each day to monitor Even Without Eggs, Eating Uncooked Dough Can Be A Raw Deal

KANSAS CITY, Mo. -

You have probably heard

it's a bad idea to eat un-

Keep Poinsettia Looking Good

its water needs. Using your fingers helps you decide when to water the plant. If the potting soil feels slightly damp or dry, apply enough water to the potting soil so that some leaks out the bottom of the pot and into the drainage tray. If the soil feels wet when you check it, you should wait another day before watering. Shortly after watering your plant you should discard the water from the drainage tray; poinsettias don't tolerate wet feet!

Give your poinsettia lots of sunlight. An optimum location for your plant is near a brightly sunlit window. Unfortunately, your plant may have to spend most of its time in a not-sowell-lit area of the house while it's on display. If it's not too much trouble you can move your poinsettia next to an unobstructed south-facing window for few hours during the day when it's not needed elsewhere (poinsettia R&R).

Modern poinsettia varieties retain their colorful bracts for up to two or three months. By that time, they've shed all their old leaves and have sprouted new ones. If vou're an adventurous gardener, you could keep your plant

growing and maybe even get it to bloom again at Christmastime. If that's your choice you should move your poinsettia outdoors when freezing temperatures are no longer possible. That would also be a good time to replant it in a larger pot, or maybe plant it directly into a flowerbed.

Fertilizing your poinsettia during its outdoor summer vacation is important; adequate soil fertility encourages healthy, robust growth. By fall your poinsettia's growth has slowed in response to the days getting shorter (no more fertilizer now). If you're reblooming the poinsettia you must keep it away from bright light after sunset; bloom development is triggered by dark nighttime periods longer than 12 hours. Once a reddish color appears in the uppermost leaves (they're called bracts after they've started to develop color) the plant is on its way to full bloom. Move the plant indoors before freezing weather arrives.

For more information, contact jweber@ksu.edu, Horticulture Agent, jweber@ksu.edu, (620) 724-8233.



Staking My Claim, Moving My Stake

By Lou Ann Thomas

Sometimes we make statements of belief as though that's the way it is, and by golly, that's IT. The danger in that is that we are always learning and having new experiences that can lead to new points of view and new beliefs. This can result in consequences ranging from looking mildly foolish to being publicly exposed as a charlatan, a fraud or hypocrite.

I recently gave up drinking water from plastic bottles after learning it takes 17 million barrels of crude oil to make the 29 million water bottles that we Americans buy each year. That is enough oil to keep a million cars going for twelve months.

Since my decision to stop contributing to these numbers, I've had to retrace my steps a bit. You see, there are times - when traveling, or attending parties or at picnics - that bottled water is just too convenient and available and I consciously make the choice to purchase it. So, even though I have decreased my bottled water consumption, I still do

hypocritical; however, I prefer to see this as cultivating a flexible mind. I believe it is my right to be able to change my mind, especially when there is new information to consider

"Making up our minds" sounds so rigid and unforgiving, doesn't it? We likely all have times when we "made about up our mind" something only to have it changed by something else. As a kid, I decided I hated Brussels sprouts. I thought they were vile and I swore I would never eat them. Then one day I

tried one that had been lightly steamed and marinated in a delicious balsamic vinegar dressing. It was amazing! Come to find out I do like Brussels sprouts.

I changed my mind about Brussels sprouts and there have been many other times when I've done the same thing. Maybe I've met someone and it was obvious from the first moment that we didn't care for one another. Then, over time we got to know each other better and we become fast friends. Of course the opposite also happens. We meet someone who we are quite smitten with, only to find out later that smitten has turned to smiting.

I don't believe making up my mind is something that is done once never to be re-evaluated to determine if it still makes sense to me. I don't see that as being hypocritical or wishy washy, or anything negative at all.

I see it as staking my claim and reserving the right to move my stake.



buy it now and then. You may see this as

cooked dough because it contains raw eggs. But raw flour can also make you sick, says Londa Nwadike, Extension state food safety specialist for University of Missouri and Kansas State Univer-

As the holiday season approaches, Nwadike urges people to resist the temptation to taste uncooked batter or dough, no matter how delicious it might be.

sity

"Bacteria from animal waste and other sources can contaminate grain in fields or throughout the grain transportation and flour production system,' Nwadike says. According to the U.S. Food and Drug Administration, flour from milled grain is typically not treated to kill bacteria.

"That means it's not safe to eat until properly cooked," she says.

You might have licked cake batter or cookie dough from spoons lots of times with no ill effects. But some haven't been so lucky, Nwadike says.

In 2016, more than 60 people grew sick from E. coli bacteria linked to contaminated raw flour, according to the U.S. Centers for Disease Control and Prevention. More than 10 million pounds of flour and flour-containing products were recalled,

Extension
Layer cakes: 205-210 F Pound cake: 210 F Jellyroll cakes: 190-195 F Muffins: 210 F Quick bread: 210 F Yeast bread: 195-210 F Bundt cake: 212 F Yeast rolls: 190-195 F

and pancake mixes.

What about cookie dough ice cream? Nwadike says commercially purchased cookie dough ice cream should be safe because it contains heat-treated flour and pasteurized eggs. But that might not be true of store-bought cookie dough for baking. A 2009 outbreak traced to prepackaged raw cookie dough sickened 72 people; many of them were hospitalized.

"Bacteria have changed over the years, so they may be more likely to cause ill effects now than in the past," Nwadike says.

don't eat or taste dough used in crafts. • Make sure foods con-

• Be sure children

flour.

taining flour are cooked to the proper temperature. Follow recipes or package directions.

• As with raw meat, keep raw flour or eggs separate from ready-toeat foods.

· Clean bowls, utensils, countertops and other surfaces thoroughly after use. Wash hands often.



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The FDA offers safety tips when preparing cookies, pies, cakes and other foods containing flour:

• Don't eat uncooked dough, batter or other containing raw



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cultivation. 5 19 acres which were formerly farmed but a in grass and 21.65 acres of waterway. There are 51.91 acres of pasture. The parcels of grass are contiguous and combine to form a 103.10 acre area of grassland at the north end of the tract. Soil types on the cropland are primarily Class 4 Crete (Cx) with a strip of Class 2 Crete (Cs) running down the middle of the tract. This farm is well located just across the highway north of the east half of Tract 1. There is one half mile of frontage along U.S. Highway 24 on the south. 2017 taxes: \$4,109.30.

road are primarily Class 4 Crete (Cx) with small areas of Class 2 and 3 soils. The fields at the center of the tract are primarily Class

2 Crete (Cs) with areas of Class 2 and 3 soils. The fields toward

the west line are largely Class 1 Muir (Mu) with an area of Class 2 Crete (Cs) to the north. This is a nice farm which is well located with one mile of frontage along U.S. Highway 24. From the intersection

of Highways 15 and 24 in Clay Center go 9 miles west on 24 to the

northeast corner of the tract. **2017 taxes:** \$9,319.40. **TRACT 2:** The East Half (E/2) of Section 3-8-1, Clay County, Kan-

sas. This tract is located in Five Creeks Township and consists of

314.98 acres according to FSA records. There are 263.07 acres classified as cropland which include 190.23 acres currently under

TERMS: Contracts to close on or before January 20th, 2019. The buyer is to pay 10% down day of sale with the balance due at closing. Title insurance and escrow fees are to be paid 1/2 each by the seller and the buyer. The seller will pay 2018 and all prior years property taxes. 2019 property taxes are to be paid by the buyer. Buyer(s) to receive posses-sion of the entire tract(s) at closing. All cropland will be open for spring planting. Allen Leidig is the tenant and these farms will be sold subject to his rights. The buyer will receive all mineral rights. The contract, deed and down payment will be escrowed at Clay County Abstract & Title Compa-ny, 509 Court, Clay Center, Kansas 67432. Announcements made sale day to take precedence over printed matter. The sellers and their agents are not responsible for accidents. This farm will sell to the highest bidder. The auction firm is working for the sellers

FREDDIE J. BROSE TRUST, SELLER Go to kretzauctions.com or kansasauctions.net for the listing, FSA maps and any additional information, updates or changes.

Auction conducted by: Clay County Real Estate Greg Kretz, Salesman & Auctioneer: (785) 630-0701

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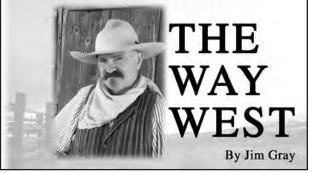
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On the Rim of Horsethief Canyon

Overlooking the north shore of Kanopolis Lake in central Kansas, the towering bluff known as Inscription Rock has inspired celebrated stories

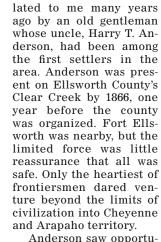
of the past. For at least 350 human generations the Great Plains have been shaped by the sagas of those who have gone before.



Native cultures carved symbols (petroglyphs) in the soft sandstone bluffs, recording their understanding of the world around them. Inscription Rock was recognized at one time as the most outstanding petroglyph site in Kansas. Unfortunately, in modern times the continual presence of lake water has permeated the porous sandstone base. The weakened face of the bluff occasionally slips and falls, reducing the stone "library" to pebbles of sand on the shore of the lake.

To one side of Inscription Rock several canyons cut into the landscape, forming a wide mouth that beckons one to enter into a land of mystery. The general area is known as "Horsethief Canyon." A well-known tale has been told that the canvon was used as a "corral" to hold and hide the horses that Indians stole from their enemies in traditional warfare. One can imagine mounted raiders painted for war herding prized war-ponies with muscles quivering as they dart into the deep canyons. Rich grass awaits, sustained by fresh water springing from the same sandstone that formed the high canyon walls. It's a romantic picture, but probably the figment of a creative imagination grasping for an explanation of the name 'Horsethief Canvon.'

An alternative to the legendary version was re-



nity and built an inn/stage station on a proposed military trail that passed Inscription Rock. Stone fences were built around the station to keep livestock close at hand. Live water from the canyon springs made the place a natural oasis.

Within the next year, a military upgrade turned primitive Fort Ellsworth into Fort Harker, a base of supply for a string of new posts across the plains to the west and southwest. With a railroad rapidly building west, the town of Ellsworth was platted to serve both the fort and the railroad. People flocked to the end-of-track. With the surge of population lawlessness increased. Horse thieves seemed to be everywhere. There was

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so much activity that Deputy U. S. Marshals were constantly on the trail of one outlaw or another. By 1874 the Ellsworth Reporter noted, "It may be necessary to hang a few horse thieves to teach the reckless thieves a lesson - that horses are not common property like the antelope that belong to one who catches it."

According to the family story Anderson had once been deputized to track down some horse thieves that no one else had the nerve to follow. Anderson was described as a man who knew no fear and riding out alone he eventually found them in the wilds of Lincoln County. He famously shot them and returned to his stage station with the bodies for identification. They were buried in the canvon, thus giving rise to the name of Horsethief Canyon.

Like the game of "Gossip," truth and myth can often get tangled up in the story over time. On the night of December 2, 1875, according to the Ellsworth Reporter, two horses were stolen from a Mr. Williams four miles south of Brookville. After two days of tracking, Williams arrived at H. T. Anderson's, southeast of Ellsworth. He and Anderson tracked the thieves into Barton Coun-

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ty and captured two men with seven head of horses. As they were returning the outlaws attempted an escape. One man was killed, the other escaped and was never recaptured.

However, there is one more twist to the story. Another version was uncovered; told by another family that lived in the area. Their account began much the same with Anderson going after the thieves, but when Anderson got the drop on them he brought them back alive to face their accusers at the stage station. They had been caught with the stolen horses, so there was no presumption of innocence. Found guilty in what was called a "kangaroo court" the men were taken to the rim of the canyon and pushed over the side. Their bodies were left unburied. Who knows? Maybe the outlaw that reportedly escaped found his end at the bottom of a canyon 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. Contact Kansas Cowboy, P.O. Box 62, Ellsworth, KS 67439. Phone 785-531-2058 or kansascowboy@ kans com

Japan considers lifting U.S. beef **import restrictions**

Japan may lift restrictions on U.S. beef imports from cattle over 30 months of age, according to Meatingplace.

Japan's food safety commission is working on a plan for removing the ban that it will report to the country's Health, Labor and Welfare Ministry, according to reports. The restriction was first put in place in 2003, in response to a case of BSE in Washington state. In 2005, Japan partially reopened to allow imports of some U.S. beef from animals aged 20 months or younger. The terms were revised again in 2013 raising the age limit back to 30 months.

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KANSAS STATE UNIVERSITY AT

Grass & Grain, November 27, 2018 Page 7 CattleTrace participants meet with USDA under secretary Greg Ibach

U.S. Department of Agriculture under secretary for Marketing and Regulatory Programs Greg Ibach was welcomed to Great Bend on Monday, November 19, by beef industry leaders participating in the CattleTrace pilot project for disease traceability. USDA is a partner in the pilot project that will develop and test an end-to-end disease traceability system.

Approximately 40producer participants, including ranchers, livestock markets, cattle feeders and packers, as well as other CattleTrace partners, participated in the meeting that provided an update on the pilot project as well as allowed for discussion about disease traceability priorities at USDA. CattleTrace is being implemented by a cooperative public-private partnership including the Kansas Livestock Association, Kansas State University, Kansas Department of Agriculture, USDA and private producers.

"Without the partnership from beef producers across the state, CattleTrace wouldn't have gotten off the ground. It is exciting to see enthusiasm from producers who are willing to step up and help lead the development of a disease traceability system that can work in and for our industry," said Brandon Depenbusch, CattleTrace. Inc., board of directors chairman. "USDA is an important partner in CattleTrace and plays an integral role in disease traceability across the country. We are grateful that Under Secretary Ibach traveled to Kansas to meet with CattleTrace participants and share his vision for disease traceability.'

CattleTrace was launched in late June 2018 and will conclude in spring 2020. During the pilot, 55,000 Kansas-based

UPCOMING AUCTIONS

SELLERS EQUIPMENT 400 N Chicago, Salina Saturday Dec 1 10 am PREVIEW FRIDAY NOV 30 3-6 PM

JOHN BEICHLE ESTATE REAL ESTATE & PERS PROPERTY AUCTION 2008 K18 HWY Bennington, KS Sale Sat, Dec 15, 10am



Approximately 40 beef industry leaders who are participating in the CattleTrace disease traceability pilot project met with USDA Under Secretary Greg Ibach to discuss next steps for the pilot project and disease traceability across the country.

calves will be tagged with an ultra-high frequency ear tag. As the calves move through the supply chain, minimal data, including an individual animal identification number, GPS location, and the date and time, will be

GRASS

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& GRAIN

captured and maintained in a secure, third-party database. The Cattle-Trace team will use the database to conduct mock traces to test the infrastructure in order to determine its effectiveness in tracing animal move-

ments in the event of a disease outbreak.

Depenbusch noted that more than 31.500 tags have been distributed and the rest will be distributed in the coming months. He also highlighted tag all partner feedyards and livestock markets.

In September 2018, USDA outlined four overarching goals for advancing animal disease traceability. USDA will begin implementing the traceability goals starting in fiscal year 2019. Cattle-Trace will be playing an important role in USDA's traceability initiatives. Each of the USDA goals aligns with the basic infrastructure and implementation protocol of the CattleTrace Pilot Project.

"The landscape surrounding animal disease traceability has changed dramatically in the past decade, and producers across the nation recognize that a comprehensive system is the best protection against a devastating disease outbreak like foot-and-mouth disease,' Ibach said in September. "We have a responsibility to these producers and American agriculture as a whole to make animal disease traceability what it should be-a modern system that tracks animals from birth to slaughter using affordable technology that allows USDA to quickly trace sick and exposed animals to stop disease spread."

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

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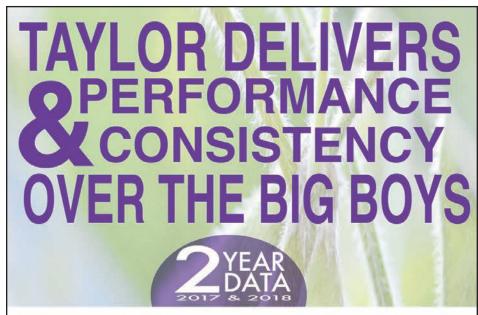
LOCATION: Hueftle Cattle Company Sale facility 1 mile south, 1/2 mile west of Cozad, NE I-80 Exit 222



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Acres with 74.81 Corn Acres & 69.70 Wheat Acres; Soybean & Corn enrolled in ARC County & Wheat enrolled in PLC. 2018 Tax Information: General Tax: \$ 4,103.23; Specials (Irriga-

SATURDAY. DECEMBER 15. 2018 — 10:00 AM

Courtland Arts Center — COURTLAND, KANSA

tion District): \$ 6,163.61; Total 2018 Tax: \$10,266.84. Property is located in the Kansas Bostwick Irrigation District (KBID). Property has averaged 14 allotted inches of water per vear 2013 thru 2018.

APH Report shows this property consistently raises 200 bushel corn and 60 bushel beans.

Property Location: From the intersection of US 36 & 30th Road (Courtland Corner) go North 2 miles. Property is located on the Northeast side of 30th Road & Nickels Road intersection.

isting Broker's Notes: Agricultural Producers & Investors.. This Incredible property is 97% in crop production with 124.4 irrigated acres that consistently produces 200 bushel corn and 60 bushel beans year in and year out. The property also includes a 2006 Reinke Center Pivot. With aggressive renters in the area looking to add additional lease acres this would make a SUPER investment property. DON'T miss this INCREDIBLE opportunity to add this tract to your operation or investment portfolio. Contact me with questions you have regarding this AWESOME Republic County Kansas property. ff Dankenbring - 785-562

Terms & Possession: 10% down day of the sale, balance due at closing on or before January 15, 2019. Sellers to pay 2018 taxes. Title insurance, escrow & closing costs to be split equally between buyer and seller. Buyer takes full possession at closing. Property to be sold as-is, where-is. All inspections should be made prior to the day of the sale. This is a cash sale and is not subject to financing, have your financing arrangements made prior to auction. Midwest Land and Home is acting as a Seller's Agent and represents the seller's interest. All information has come

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MARVIN BERGSTROM, SELLER

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I was just opening the mail. Among all the junk flyers and promotions were two membership renewals--one for the Santa Fe Trail Association and the other for the National

Page 8

Cowboy and Western Heritage Museum in Oklahoma City

It seemed ironic that these two items arrived just as I had returned from Oklahoma City, the Okla-



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homa History Center, with my friend, Joanne VanCoevern, executive director of the Santa Fe Trail Association.(Her husband Greg happily drove us down and didn't mind one bit the frequent breaks girls have to have.)

We attended a luncheon commemorating the 150th anniversary this month of the 7th Cavalry's attack on the Cheyenne Village along the Washita River. Kansas has many connections to this tragic story, including the bringing back of women and children prisoners to Forts Dodge and Hays. Dr. Don Fixico, Oklahoma native and husband of my

dear friend and sometimes co-author Michelle Martin, was the featured speaker. Dr. Paul Andrew Hutton was, we joked, Don's "warm-up act," speaking on the context of the attack and its importance in history.

While there, Joanne and I were excited to meet Michael Grauer, the new director of the National Cowboy and Western Heritage Museum. For more than thirty years, Michael was director of the Panhandle-Plains Historical Museum in Canyon, Texas. He is a Kansas boy, and a graduate of University of Kansas. We have invited him to speak at a symposium at Fort Wallace Museum on March 16. (That night is our "Captain Keogh's Emerald Banquet" for our Guardians. We invite you to join us!)

We are in the midst of the holiday season now, and I know you are looking for just the right gift. Memberships always fit. My passion is history, and as we approach the bicentennial of the Santa Fe Trail in 2021, especially since I am chairing those events, I am very excited about that organization. Likewise, Jake and I belong to the National Cowboy and Western Heritage Museum because we believe in their mission. The Smoky

Hill Trail Association is another near and dear to our hearts.

The Guardians of Fort Wallace is our passion. Jake and I are involved all year long and we have big plans for the coming year.

Give the gift of understanding and participation and support your local historical societies and museums.

Now, to get those renewals in the mail!

Deb Goodrich is the cohost of the Around Kansas TV show and the Garvey Historian in Residence at the Fort Wallace Museum. Contact her at author.debgoodrich@gmail.com.

KDA partners with implement dealer to address workforce needs

The Kansas Department of Agriculture and Carl's Sales and Service, Inc. of Thayer hosted 21 high school agriculture students from four southeast Kansas schools at a hands-on dealership experience. The Nov. 6 event was coordinated in an effort to introduce students to careers within the agricultural mechanics pathway and farm equipment dealerships.

Schools attending the event included: Altoona-Midway High School, Cherryvale Middle-High School, Independence High School and Yates Center High School. Students heard remarks from Cindy Stiles and Randy Studebaker of Carl's Sales and Service, Inc. and toured the facilities. They also learned about post-secondary education opportunities at Pratt Community College in a presentation from **Ralph Williams**, instructor of Agriculture Power.

Upon completion of the tour and presentation, attendees rotated through four hands-on experience stations where they were asked to "find, fix, drive and sell." Under the supervision of dealership employees, students used the computer software to locate various parts in the storefront. They disassembled and rebuilt hydraulic cylinders in the maintenance shop. All the stu-



Students from four southeast Kansas schools participate in a hands-on event to learn about careers in agricultural mechanics at Carl's Sales and Service in Thayer.

dents in attendance drove a Case IH Maxxum 150 Tractor. Lastly, students sold a Case IH 35A Tractor in a customer simulation by the teachers in attendance.

Landon Ewing, a senior from Independence High School, said, "Many people don't realize the opportunities there are in agricultural mechanics and this day helped us to understand just how many jobs there are in both agriculture and mechanics. It was an awesome experience!"

The event was developed in response to the Agriculture Workforce Needs Assessment Survey conducted in 2015 which indicated that approximately 40 percent of Kansas job openings in agriculture were in agricultural mechanics. "We are very pleased with the enthusiasm from these students," said Trenton Smedley, a KDA student intern who coordinated the program. "These events provide visibility and awareness about the need for growth in the technical workforce in the state of Kansas."

"My students enjoyed working firsthand with those who are employed in the agricultural mechanics field," said Katelyn Meiwes, agriculture educator at Altoona-Midway High School, "Their eyes were opened to the diversity of careers and opportunities within this industry."

The event was organized by KDA and Carl's Sales and Service, Inc. KDA serves to create partnerships between industry and education that ensure a pipeline of qualified individuals to fill the needs of agricultural employers. For more information on this workforce development program and other workforce development efforts, please email Russell Plaschka at Russell. Plaschka@ks.gov or call 785-564-7466.

Cow/calf nutrition meeting coming to North Central Kansas

K-State Research and Extension will host the

Cow Supplement Strate-

gies meeting, a regional covered will include: Minevent for cattle produc- eral supplementation with there is no charge to aters focusing on nutrition. a closer look at vitamin A tend the meeting, thanks to requirements, cover crop grazing management, and effective protein supplementation. Shawn Tiffany, Tiffany Cattle Company, and Dr. Justin Waggoner of K-State Research and Extension will present information alongside of Simon. In addition, the meeting will feature a cover crop grazing panel made up of producers and members of allied industry.

industry experts. Topics in Downs. Dinner will be served at 12:30 p.m. and



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Barrett Simon, Livestock Agent for the Post Rock Extension District, says he is excited to offer this producer-driven event as a chance for cattlemen and women to ask questions and discuss their winter nutrition plans with K-State Specialists and



This educational event will take place on Thursday, December 6th at the First Christian Church

KANSAS

AG REPORT

the sponsor, Tracer Minerals. The meeting is "come one, come all" but please RSVP by Tuesday, December 4th to ensure an accurate meal count. RSVPs should be sent to any Post Rock Extension District office, to barrett8@ksu.edu, or by visiting postrock.ksu. edu. Please feel free to contact Barrett Simon at the email address listed with any further questions about the meeting. Looking forward to seeing you on the sixth!

Ken Rahjes, Host

For TV Show times check your local listings or watch at kansasagreport.net

Grass & Grain, November 27, 2018 Page 9 Breeding corn for water-use efficiency may have just gotten easier

approximately 80 percent of our nation's water supply going towards agriculture, it's fair to sav it takes a lot of water to grow crops. In a climate with less predictable rainfall patterns and more intense droughts, scientists at the University of Illinois are working to reduce water consumption by developing more efficient crops.

"There's a study from many decades ago that shows the amount of water transpired and lost to the air in an acre of corn is three to four thousand gallons per day. At 90 million acres of corn in the U.S., plus the length of the growing season, that's lots and lots of water. So there are a lot of improvements that need to be made," says Tony Studer, assistant professor in the Department of Crop Sciences at the U of I, and author of a new study in The Plant Journal.

A previous study from Studer's group suggests corn could become 10 to 20 percent more efficient through breeding improvements, which would mean that plants would be less stressed during short-term droughts. Theoretically, this could add protection for farmers, given uncertain weather patterns. But to make that a reality, according to Studer, the breeding process itself needs to become more efficient.

When attempting to improve a certain trait, in this case water-use efficiency, breeders grow a diverse set of corn lines and screen them to find natural variation in the trait. Once they identify promising individuals, breeders then try to locate key genes that will amplify the trait or inte-

grate the trait into lines of corn with additional desirable qualities.

"It takes a lot of time, space, and effort to produce a productive hybrid," Studer says.

Water-use efficiency is typically measured with an instrument that clamps to leaves and monitors the flux of carbon dioxide and water vapor moving into and out of the leaf. This process is time-consuming and expensive at large scales, as each measurement can take over an hour.

"If you're going to study water use in a breeding environment or in a field at scale, vou need something faster," Studer says.

In their current study, Studer and his colleagues developed a new method to screen hundreds or even thousands of plants without the need for time-consuming field

measurements. The method, which tests leaf samples in the lab, takes advantage of the fact that the carbon in carbon dioxide exists in two forms in the atmosphere: a more-abundant and lighter form, 12C: and a less-abundant and heavier form, 13C.

Once carbon dioxide enters plant leaves, the carbon is incorporated into sugars and plant tissues. Scientists can then measure how much 13C was incorporated compared to 12C. For many plants, the ratio of 12C-to-13C is indicative of their water-use efficiency. But until now, scientists didn't know if the ratio could reliably reflect water status in corn. Studer's study shows it can

"We found significant variation in the 12C-to-13C ratio across 36 diverse lines of corn. and the 12C-to-13C signature

is heritable across environments." he savs. "Proving that a trait is inherited and expressed across environments allows a plant breeder to select for this trait and is essential when developing new lines."

The finding, derived from controlled greenhouse trials as well as three field seasons, provides the efficient method Studer was looking for. And it shows that inbred lines whose carbon ratios are within a certain range may have greater water-use efficiency, although it's too early to say how this will play out in hybrids. Right now, it's enough that the trait appears to be heritable that alone will be a great help to breeders. But Studer has plans for next steps.

"In a past study, we found there's room for improvement in corn's water-use efficiency. Here, we're showing that the trait is measurable and heritable, and we can actually use it to try to make improvements," he says. "The next step is identifying the genes in these regions of the genome that we can manipulate. We've moved all the way from a basic idea of developing the science behind these traits to the point where we can actually make improvements.'

The article, "Leaf stable carbon isotope composition reflects transpiration efficiency in Zea mays," is published in The Plant Journal [DOI: 10.1111/tpj.14135]. Authors include Robert Twohey III, Lucas Roberts, and Anthony Studer. The work was supported by the USDA National Institute of Food and Agriculture.

Immigration and support resources key to growing rural communities This is who is makdates prior to the general Economic Progress Counhealth needs in southwest of Finney County, and the

ing the decisions in our elections." stated Christi Graber, League of Women Voters of Kansas, Garden City Chapter. Using a visualization exercise with four people standing in the room while the rest remained seated to represent the number of actual voters in the recent primary election compared to eligible voters, Christi sparked a lively conversation at the Kansas Bural Center (KRC) Dinner and Dialogue town hall meeting on September 18th in Garden City. The town hall meeting facilitated timely discussion between the primary and general elections in Kansas surrounding policy, economic development and resources, and cultural diversity needs.

Concerns were surfaced during round table discussions about low state voter turnout during the primary election with a 15% voter turnout in Finnev County (the lowest in the state). Related issues on how to mobilize the community to vote (especially the Hispanic community), election, and other topics critical to the election vear were also discussed. With a 15% voter turnout, questions about who that 15% represented within Finney County became a growing issue.

Local/Regional Organizations who presented during the town hall meeting included: Kansas Economic Progress Council, Finney County Economic Development, Kearny County Wellness Coalition/Kearny County Hospital, Kansas Appleseed, League of Women Voters of Kansas, and the Kansas Rural Center.

The speakers and organizations fielded questions from attendees covering Supplemental Nutrition Assistance Program (SNAP) benefit recipient requirements, voter engagement support for the Hispanic population, and support services for a growing and diverse population base in Southwest Kansas. These topics surfaced through an open dialogue session highlighting local and regional needs and concerns.

cil, opened the meeting with a state budget and legislative overview. Citing the top ten new business considerations in the 31st Site Selection Survey from Area Development Magazine (a national economic development publication), businesses looking to grow and expand into locations first consider highway accessibility by 94.4%, second to the availability of skilled labor 89.8%. The past state administration tax plan proposed corporate tax rates and tax exemptions as the lead consideration for new business expansion. According to the businesses themselves, these considerations were farther down the list at number 6 corporate tax rate (82.3%) and number 7, tax exemptions (79.7%). With an approaching state general election. Bernie asked attendees to take into consideration candidate positions on state budget and future economic growth issues when voting.

Lona Duvall of Finney County Economic Development shared insight need to work with neighboring counties to continue regional population and business growth. Krysta Harvey, Kearny County Wellness Coalitions/Kearny County Hospital, continued the regional economy growth sentiment with examples of initiatives the Kearny County Wellness Coalition has taken to meet the growing need for fresh local food production. Krysta shared project progress with expanding community greenhouses, local grocer/customer surveys, and plans to offer local produce bundles in partnership with local grocers. Krysta also gave a summary of growth at Kearny County Hospital, sharing continued recruitment of doctors and support staff along with a 20% increase in births, 48% increase in surgeries, and 14% increase in family health center visits from 2017-2018. The increase in population growth of young families in neighboring counties was attributed to the unique opportunity Kearny County Hospital has in assist-

Kansas. This event was a part of a series of evening "town halls" KRC is hosting around the state to provide information and analvsis on federal and state level food and farm policy and programs. Within the broader context of state budget and revenue issues and the need for greater citizen engagement, the town halls focus on local and regional level efforts to strengthen community access to food, resources for farmers, healthcare, and education. A round table dialogue at each meeting reaches deeper into the issues and high-

lights how to get involved or take action.

These forums are part of KRC's "Community Food Solutions: Civic Agriculture for Civic Health" initiative and Integrated Voter Engagement project, working toward better incorporating Kansas farms and communities into the state's healthy food supply chain. Individuals and organizations attending are encouraged to continue to share information, and reach out to their neighbors and other citizens to work on local and regional issues and encourage grassroots engagement.



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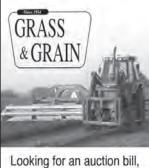
use Hispanic community), and concerns. questions to ask candi-Bernie Koch, Kansas on the growing economy Making PRF Insurance Work for You will be a topic at the Winter Forage Conference

will be a featured workshop at the upcoming Winter Forage Conference, Tuesday, December 11, 2018, in the Anderson Building on the Lyon County Fairgrounds, Emporia. Registration begins at 9:00 a.m. and the conference kicks off at 9:30 a.m. Pasture, "Making Rangeland and Forage Insurance Work for You!" will be a one-hour, sponsored workshop, featuring Dr. Monte Vandeveer, Kansas State University, Extension Ag Economist and Jason Timmerman with the Silveus Insurance Group. "There's been some recent policy changes that folks should be aware of, but Pasture, Rangeland and Forage Insurance can be a great risk management tool for grass and forage managers and we're delighted to have these two knowledgeable speakers at the conference," said Mark Nelson, KSFGC executive secretary-treasurer. Each year, the Kansas

team up to hold its win-

Learning how to use Forage and Grassland subscriptions to both Pro-Pasture, Rangeland and Council (KSFGC) and gressive Forage Grower and Forage (PRF) Insurance Kansas State University Hay & Forage magazines, along with membership to KSFGC, the American Forage and Grassland Council, and the National Alfalfa and Forage Alliance. If you've already renewed your KSFGC membership, admission is free. Farmers and ranchers can learn more and register online at https://ksfgc.org/wkfc/. You can also RSVP and pay at the door by contacting either: Franklin County Extension at (785) 229-3520 or dhibdon@ksu. edu, or Lyon County Extension at (620) 341-3220 or brees@ksu.edu. To assist with planning and meal

counts, please pre-register or RSVP by December 7, 2018, although walk-ins on



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Grass & Grain, November 27, 2018 Page 10 Soil film documents soil health movement Living

The Soil Health Institute (SHI) has released a 60-minute documentary that captures the history – and significance – of the soil health movement.

"Never have I seen. among farmers, such a broad quest for (soil health) knowledge as I'm seeing now," says Barry Fisher, United States Department of Agriculture-Natural Resources

Conservation Service. "And this interest in soil health extends far beyond the farm gate," adds Bill Buckner, president of the Noble Research Institute and Chair of the Board of SHI. "Consumer packaged goods companies, environmental groups, financial investors, and many others are recognizing the importance and value of improving soil health."

Living Soil captures the background of the current soil health movement and its momentum, beginning with painful images of the Dust Bowl, and then transitions to personal experiences of innovative women and men who are managing their land to enhance soil health. The film features rural and urban farmers from Maryland to California, selling everything

from corn to bouquets, united by their care for the soil.

The documentary is directed by Chelsea Myers, founder of Tiny Attic, a video production company located in Columbia, Missouri that specializes in documenting real moments and real people. Myers has evolved as a visual storyteller for a diverse range of projects as a di-

rector, producer, editor, illustrator, cinematographer, and animator. With a fiercely creative spirit, Myers and her Tiny Attic crew pursue meaningful work regionally and around the world.

"This is a film for evervone who cares about our natural resources,' says Wayne Honeycutt, president & CEO of the Soil Health Institute. "The innovative farmers in this documentary are showing us the way to grow our food in concert with the environment."

The documentary is available online. To download it, visit https:// livingsoilfilm.com. For information on SHI, to become involved in the soil health movement, and to subscribe to SHI communications, visit www.soilhealthinstitute.

org. U.S. farmers visit C uban farms, discuss future relationships

Delegates from the U.S. agriculture industry were in Cuba recently for the Cuba-U.S. Agriculture **Business Conference**. The conference brought about much interest from the Cuban Ministry of Agriculture, Ministry of Foreign Affairs and the Cuban media.

Representing the soybean, corn, wheat, poultry, potato, rice, sorghum and barley industries, the 20 conference participants met with Cuban government officials and farmers on November 8-10, 2018.

While about 30% of Cuba's 42,000 square miles of land area is currently used for farming. Cuban farmers do not have access to the latest technologies. equipment and inputs to reach their yield potential. The majority of the food production in Cuba is done through farmer-owned cooperatives, but it's not sufficient. Due to the climate, there is no wheat grown commerciallv. In fact, much of the food for Cuba's 11 million people and 4 million annual tourists must be imported, including an estimated 30 million bushels of wheat, which comes primarily from the EU and Canada.

"The reason I'm here isn't to sell potatoes," said participant Carl Hoverson, CEO of Hoverson Farms, Larimore, N.D., "but to help people live better."

The traditional Cuban diet is made up of rice, black beans, chicken, bread and locally produced fruits and root vegetables.

According to Alejandro Mustelier Zamora, chairman and CEO of Alimport. Cuba's food importing enterprise, "When buying grains from Argentina, it takes a long time to get here and affects the quality of the food we import." Rice imported from Japan can take up to five months to arrive.

There are many advantages of importing food from the United States. most notably the proximity in terms of getting high quality food in a timely and freight-efficient man-

Cuba can buy products from the U.S. and finance the sale until the product arrives in Cuba, with one exception - food. Food purchases, which have been allowed since 2000, must be paid for up front, before the ships are allowed to sail. U.S. banks are allowed to provide direct financing for exports of any other product except agricultural commodities.

Hon. Rick Crawford. United States Representative. First District of Arkansas, spoke to the group about the legislation "HR525, which allows extension of credit terms from U.S. entities to Cuba to be able to sell ag commodities." Half of the U.S. rice production is grown in his district. He said, "It's not about rice; it's not about wheat; it's not about chicken. It's about U.S. ag commodities and market access to areas that have really been difficult for us, and this is a market that I would certainly like to see us participate in."

After hearing from Cuban government officials, participants had the opportunity to visit a farmer's market in Havana and tour two farmer cooperatives.

The president of the first cooperative talked about the variety of crops they grow, including tubers and vegetables, mainly carrots. They provide carrots for the Cuban tourism industry. The cooper-

rare date Indians; key date buf-

falo nickels; Hawaii coinage; 7

ative's board of directors, or assembly, is in charge of creating a planting plan and supplying the resources, such as fuel and fertilizer that their 200 members need to grow the crops. The planting plan is based on the experience of the farmer, demand for crops and what can be sold to the government. Once they sign the planting plan, the government sells inputs to the cooperative, which sells them to the individual farmers. He said there is a formula for how much fertilizer they receive, which is not always the right amount and it doesn't always arrive at the right time. His cooperative uses an obsolete and old system of flood irrigation because it is what they have.

"We are far from reaching our potential. We need technology, modern equipment and timely inputs," he said. "We know that tilling the soil is bad for the land, but that's all the machinerv we have."

While planting genetically modified crops is not yet allowed in Cuba, there is research being done in laboratories. Ambassador Juan Jose Leon Vega, Cuban Ministry of Agriculture International Affairs Division, told the group, "It would be a benefit to the world if it was demonstrated that GMO was safe and could be planted to end hunger. There are 77 million hungry in Latin America."

The President of the second farm cooperative reported that they grow potatoes, sweet potatoes, plantains and taro root, white red and black beans, garbanzos and corn and

have a small cow herd that provides milk for their 210 members and to the state for infants and the elderly. The farmer members of the cooperative are compensated based on their work. They receive monthly payments, and after harvest, they distribute the profits to every member of the coop based on results and the work that they do. Compensation has nothing to do with how much land they contributed because the land is collective property. Planting plans are based on what seed is available to grow.

At the wrap-up meeting, Ambassador Juan Jose Leon Vega told the group, "Farmers in the U.S. and Cuba can have better relationships. There is a strong distinction in Cuba between the American government and the American people. We want people to be able to do business together.'

The Cuba-U.S. Agriculture Business Conference was organized by the U.S. Ag Coalition for Cuba, which believes that the improvement of agricultural trade between the U.S. and Cuba is the foundation for building successful and enduring relations between both countries. U.S. participants in the conference included: Paul Johnson, Chair,

U.S. Ag Coalition for Cuba, Chicago, Illinois

Philip Peters, President, Cuba Research Center. Alexandria. Virginia

Mirella Betancourt, Principal. Cuba Solutions LLC, Falls Church, Virginia

Marsha Boswell, Director of Communications, Kansas Wheat, Manhattan, Kansas

Marion Calmer, CEO of Calmer Corn Heads, Inc., Alpha, Illinois, and daughter Aliza

Catalina Correa, Regional Marketing Specialist, U.S. Grains Council, Medellin, Colombia

Hon. Rick Crawford, United States Representative, First District of Arkansas

David Frederickson, Commissioner of Agriculture, State of Minnesota, Saint Paul, Minnesota

Richard Fritz, Managing Director, World Poultry Foundation, Huntsville. Alabama

Tara Smith, Vice President, Michael Torrey Associates, Washington, D.C.

Carl Hoverson, Chief Executive Officer, Hoverson Farms, Larimore, North Dakota

Jon Mark and Marda Isbell, Zero Grade Farms, England, Arkansas

Douglas Keesling. Keesling Farms, Past Chairman of the Kansas Wheat Commission, and Co-Chair of U.S. Ag Coalition for Cuba, Chase, Kansas

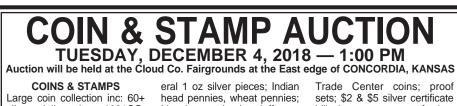
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Joe Steinkamp, Farmer and Board of Directors. American Soybean Association. Evansville. Indiana



JOI THURSDAY, NOVEMBER 29, 2018 — 5:00 PM Auction will be held in the Community Center on the South side of the square in JEWELL, KS

Group lots of Franklin silver dollars, walking liberty half dollars, Mercury dimes, liberty quarters, standing liberty half dollars, barber dimes; large cents; 3 cent pieces; 2 cent pieces; Susan B Anthony's; Flying eagles; Kenne-dy halves; Liberty & Buffalo nickels; Indian head pennies; Washington quarters; rolls liberty silver halves; Ike dollars; mint sets; Washington guarter book; Carson City dimes; quarters and silver dollars; Pesos; graded silver dollars from MS60 to 64; key date Lincoln wheat's Canada silver dollars;

gold coins inc.: \$2.5 Liberty's & Indians, \$5 Liberty; cased coin set; Spanish portrait dollar; 7 American silver eagles; error coins; gem proof rolls; state quarters: \$1, \$2 & \$5 bills.

Note: Check our website for a complete list at www.thummelauction.com. Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC 785-738-0067



SATURDAY, DECEMBER 1, 2018 — 10:00 AM Preview: FRIDAY, NOVEMBER 30 • 3-6 PM 400 N. Chicago — SALINA, KANSAS (East of Broadway Overpass)

AUCTIONEER'S NOTE: Sellers has sold after 71 years in business to Berry Co. Inc. in Wichita. The auction is to sell the remaining assets of the company in excess of the new owner's needs and includes 2 propane forklifts, tools and equipment from 3 different shops, remaining parts and inventory along with hundreds of parts books, service & repair manuals for product lines Doosan, Hyster, JCB, Allianz, Cimline, Kubota, Mariottio and others as well as shelving and office equipment. This will be a lengthy auction. There will be a preview Friday 11/30 3:00-6:00 pm. FORKLIFTS & PROPANE BOTTLES: Hyster mod. H50XM propane forklift w/pneumatic tires * Hys-ter 2000 lb propane forklift w/pneumatic tires * Hyster electric reach truck (no battery) * propane cage propane bottles * aluminum propane bottle.

EQUIPMENT: Ingersoll-Rand air compressor mod. T3010120H 10 hp 230/460v 3-ph * oil can crush-er & drain system * Lincoln Idealarc 250 welder w/leads on cart * Magnus MIJI-LIF parts cleaner * er & drain system * Lincoln Idealarc 250 welder w/leads on cart * Magnus MIJI-LIF parts cleaner * Trinco Dry Blast cabinet & filter system * metal welding table w/4" vise * electric grinder * grinding wheels * welding rod * (2) 24v industrial battery chargers * Lincoln Electric Idealarc 250 welder on cart w/leads * Porta Cool evaporative air cooler * Bel Aire gas powered air compressor 14hp Kohler engine 30 gal tank * Delixi LG-30E Inverter Air Plasma cutter * manual winch lift * Robinair vacuum pump equipment w/cart * large 2-ton A-frame w/electric chain hoist * Gates PC707 hydraulic hose crimper * crimping table w/additional crimper fittings * HD truck floor jack * Kalamazoo horizontal band saw * Handy Jet abrasive blaster * propane radiant heater * regular & HD grinders on stands * Rockwell floor model drill press * drill bits up to ginormous * Kwik-Way valve grinder. **TOOLS:** Shop vac 5hp 12 gal * bench grinder on stand * asstd C-clamps on stand * cabinet full of welding gauges, hoses, torches, leads * Makita chop saw * engine assembly tool room contents (see pictures) engine assembly room contents (see pictures) * 2-ton engine hoist * Kubota tractor special clutch tool set * Rece induction bearing heater. **SHOP ITEMS:** Work bench * pr jack stands * HD 6" vise * eyewash equipment * utility sink * rolling

SHOP ITEMS: Work bench * pr jack stands * HD 6" vise * eyewash equipment * utility sink * rolling parts cart * bulk fuel tank w/manual pump * shop fans * (2) buckets hydraulic fluid * spool of roller chain * metal work bench w/8" vise * metal parts shelves * 12' wide x 12' tall tear drop pallet rack chain * metal work bench w/8" vise * metal parts shelves * 12' vide x 12' tall tear drop pallet rack storage * compressor parts * rolling ladder * (2) 5-gallon buckets Doosan SAE 10W-30 synthetic oil * Hand Pallet Trucks pallet jack * engine stands * used oil tanks & barrels * HD jack stands * metal work bench * rolling work carts * plates, rods, cable clamps, adjustment equipment * tap & dies, threading equipment * parts & fittings * porta power equipment * bolts/washers/nuts cabinet * oil & lube carts * oil cans & funnels * (6) Universal bulk fluids tanks w/dispensers * wash room buckets & pans * rolling work carts * recovered refrigerant bottle 150 lbs * 2-wheel cart * asstd bottle jacks * asstd parts pans * battery charger * Inverter Air Plasma cutter * (2) welding carts w/gauges, hoses, torches * 2-1/2 ton floor jack * oily waste safety can * work desk * 10-ton floor jack * 2-ton & 10-ton floor jacks * wall of chains, hooks, shackles, chain hoists * (2) pedestal shop fans * loaded parts cabinets * asstd air hoses & power cords * jumper cables * metal work bench * transmission jack * pedestal shop fan * paints & fluids cabinets * misc supplies cabinet * fittings & parts cabinets * small parts cabinets * metal shelving * metal cabinets * parts cabinets. **PARTS INVENTORY& PARTS. SERVICE & REPAIR BOOKS:** NEW Woods 1009 front loader new

PARTS INVENTORY& PARTS, SERVICE & REPAIR BOOKS: NEW Woods 1009 front loader new in crate * wheel weights * wheels & rims * NEW Kubota 12" & 24" buckets * NEW Kubota Konnect coupler w/connect kit * asstd forklift tires * blade parts * seat assemblies * Kubota tractor parts * warning lights * pile parts marked Fiat-Allis stuff * (2) boxes marked JCB glass * other replacement glass * the parts room has many remaining NEW parts from the different product lines that weren't taken to Wichita * odd parts – cylinder, roller chain, clevis', hooks, mirror * several hundred parts, ervice & repair book

service & repair books. OFFICE EQUIPMENT: Conference table w/rolling chairs * metal desk w/left hand return * large white boards & bulletin boards * metal shelving w/doors * folding chairs * HP Laserjet 2300n printer * (2) HON 4-drawer file cabinets * large wood shelving unit * 2-drawer file cabinet * metal wire shelves * metal desk * office chair * in/out trays * routers, links, office equipment * conference table& chairs * metal shelves * organizer (mail slots) * shelving * filing cabinets * office desk & chair. MISCELLANEOUS: Pr loading ramps * T-posts * (2) pr forklift extensions * stand-up service desk * broadcast spreader w/ice melt * Toro snow thrower * broadcast spreader * rolling parts cart * truck tire w/rim * tires & rims * freight dolly * adjustable shelving unit * load ramp plate * load ramps * freight cart * 6' & 8' fiberglass step ladders * 6' aluminum step ladder * BUNN coffee maker/warmer * GE apartment fridge * GE microwave oven * janitorial cart & supplies * Howe freight scale * stock picking carts * banding machine. MANY OTHER ITEMS NOT LISTED!



P.O. BOX 1305, SALINA, KS 67401 • (785) 827-5563 LONNIE WILSON - OWNER/BROKER/AUCTIONEER • (785) 826-7800 DAVE HUNT - SALES MANAGER • (785) 201-5257 Lounie Wilson CAROLYN HUTCHINS - OFFICE MANAGER • (785) 823-1177

Website & Contact Email Addresses: www.soldbywilson.com

www.soldbywilson.com Any announcement made the day of sale takes precedence over any printed matter.

For Latest Update &

Pictures go to website:

silver dollars inc: 1881CC, Peace dollars, Morgan dollars, Ike dollars, silver eagles; sev-

Lincoln cent books: Jefferson nickels; Mercury dimes; Barber halves; Olympic coins; World

bills; large assortment of coins; large assortment of stamps.

NOTE: Dorothy has collected coins & stamps for many years. Check our web site for more complete list of coins at www.thummelauction.com.

DOROTHY OSTROM ESTATE Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC

785-738-0067

AND FOR SAL

By Sealed Bids Only Bids Due by Friday, Dec. 14th @ 3:00pm CST

161.47± Acres (157.7± FSA Farmland Acres) in NW/4 of S27, T10S, R11W in Osborne County

Please Send Bids to Klint @ Kennedy Berkley Law Firm P.O. Box 2567 · Salina, KS 67402-2567 Questions? Please Call Curt Marshall @ 785.826.0824

ND FOR SA

REAL ESTATE AUCT THURSDAY, DECEMBER 6, 2018 — 1:00 PM

Auction will be held at the Knights Columbus Hall in TIPTON, KANSAS

TRACT I:

Legal Description: E 1/2 S 1/2 3-8-11 Osborne Co. Kansas

The farm is located 3 miles West and 3 miles North of Tipton along 181 Highway. There are 156.74 acres of grass with a spring feed pond. 2017 taxes were approximately \$340.21

TRACT II:

Legal Description: SW 1/4 31-7-11 & E 1/2 SE 1/4 36-7-12 Osborne Co. Kansas

The farm is located 2 miles West of Highway 181 on 120th Drive. There are 225 acres of grass with pond. 2017 taxes were \$389.86.

Seller will pay 2018 and all prior year's taxes Purchaser will pay 2019 taxes.

Possession: Possession will be March 1, 2019.

Terms: 10% of purchase price as down payment day of auction, the balance will be due upon closing on or before January 25, 2019. Down payment will be escrowed with Gregory Law Office. Escrow fees will be split 50/50 between seller & purchaser. Title insurance will be used, the cost will be split 50/50 between seller & purchaser.

Thummel Real Estate & Auction LLC is acting as seller agent. All statements made day of auction take precedence over printed material.

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

Grass & Grain Area **Auctions and Sales**

Sealed Bid Land Auction (bids accepted until Dec. 12 at 11 am) — 288 Ac +/- River bottom tillable on the Solomon River between Verdi & Niles. Auctioneers: Horizon Farm & Ranch Realty, LLC.

Sealed Bid Land Auc tion (bids accepted until Dec. 14 @ 3 pm CST) — 161.47 m/l acres in Osborne County, KS. Bid to Klint @ Kennedy Berkley Law Firm, questions Curt Marshall.

November 27 - 400 acres m/l of Saline Countv & Ottawa County land held at Salina for the Dorothy M. Reed Trust. Auctioneers: Generations Real Estate & Auction, Kevin Borger & Lenny Mullin.

November 27 - 160 acres m/l of Jefferson County, Nebraska land held at Diller, Nebraska for Richard Johnson Estate. Auctioneers: Speckmann Realty & Auction Service, Inc.

November 28 — Real Estate: 80-acre farm offered in 2 parcels & combo; Personal Property: Farm & livestock equipment, shop tools & misc. held at Burrton for Donald Porter Estate. Auctioneers: Morris Yoder Auctions; National Land Realty.

November 29 — Coins inc. Franklin silver dollars, walking liberty half dollars, Mercury dimes, Flying Eagles, Kennedy halves, Buffalo nickels, gold coins, American Silver Eagles & much more at Jewell. Auctioneers: Thummel Real Estate & Auction, LLC.

November 29 — 80 acres m/l of Riley County grassland, timber, rolling terrain, wildlife & spring fed creek held at Randolph. Auctioneers: Gene Francis & Associates Real Estate Brokers & Auctioneers.

December 1 — Coins, furniture, appliances, collectibles. glassware, equipment, tools & misc. at Junction City for The late Mr. & Mrs. Edward Junghans & others. Auctioneers: Brown Real Estate & Auction Service, LLC.

December 1 - Forklifts, propane bottles, equipment, tools, shop items, parts inventory & parts, service & repair books, office equipment. misc. & more at Salina for Sellers Equipment, Inc.. Auctioneers: Wilson Realty & Auction Service.

December 1 — Vehicles, furniture, antiques, primm/l: T4: 157 ac. m/l) held at Seneca for Lazy D Ranch, Heirs of Les Droge. Auctioneers: Seneca Realty. Inc., Mike Kuckelman, broker and Dale Wilhelm, auctioneer/sales.

December 1 Tractors, dozer, shredder, motorcycle, cars, gas engines. tools, collectibles & more held south of Waterville for (Orlin) Musil Family Trust. Auctioneers: Olmsteds & Sandstrom.

December 1 — Real Estate: 312.6 acres m/l of Northern Flint Hills Native Grass Pasture in Pottawatomie County held at Blaine for Lyle Goodman Estate. Auctioneers: Cline Realty & Auction, LLC.

December 2 — (Day 2): Household, antique roll top desk & other antique furniture, appliances, furniture, dishes, costume jewelry & more at Hoyt for Estate of Larry May, Betty May seller. Auctioneers: Kooser Auction Service.

December 4 - Coins & stamps including silver dollars, 1881CC, Peace & Morgan dollars, silver Eagles, Mercury dimes & more at Concordia for Dorothy Ostrom Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

December 4 — Real Estate - 160 acres Rice County land held in Alden for Karen Boyle Estate. Auctioneers: Oswalt Auction & Realty.

December 6-2 Tracts of farmland in Osborne County held at Tipton for Anna Streit Trust. Auctioneers: Thummel Real Estate & Auction, LLC.

December 6 — Real Es tate - western Clav County farmland held at Clay Center for the Freddie J. Brose Revocable Living Trust. Auctioneers: Clay County Real Estate, Greg Kretz, salesman & auction-

December 8 — Guns. bits & spurs, traps, Horn furniture & art, chalk art, oil & petroleum collectibles, chuck wagon/kitchen, hog oilers, railroad, antlers, mounts, antler art, signs & prints, display cases, salesman samples, fishing, knives, cast iron, blacksmith, hunting, lighting, pedal vehicles, ammo, scopes, etc. & more held at Strong City. Auctioneers: Hancock Auction & Real Estate.

December 8 — Farm & Farm Related consignment auction at Fairbury, Nebraska. Auctioneers:

Antrim-Piper Wenger Realtors.

December 15 — Real Estate (5 acres with 2-story home, barn, garage, other outbuildings) & Personal property inc. Pickup, 1966 Ford Galaxy, appliances, wood stoves, mowers, chain saws, furniture, TVs & electronics, LP records. DVDs, household & more at Bennington for John Beichle Estate. Auctioneers: Wilson Realty & Auction Service.

December 15 — Huge year-end reduction inventory auction including 200 pieces of tractors, combines, heads, sprayers, tillage, hay, grain equipment & more farm machinery held at Palmyra, Missouri & online at www. wheelerauctions.com for Sydenstricker John Deere. Auctioneers: Wheeler Auctions & Real Estate.

December 15 — Farm equipment, machinery, vehicles, firearms, collectible automobile & misc. at Lyndon for Marvin Hansford Estate. Auctioneers: Sanders Auctions, Jim Sanders.

December 15 — 153.5 acres m/l irrigated Republic County land held at Courtland for Marvin Bergstrom. Auctioneers: Midwest Land and Home. Jeff Dankenbring & Mark Uhlik.

December 15 - Toy Tractors: IHC Special Edition, International Harvester. John Deere Precision Classics, John Deere Special Addition, John Deere toys, Massey, Ford Precision, Allis Chalmers Precision Classic, AC Special Addition, Caterpillar, and Franklin Mint toys held at Marysville for Gary Skoch. Auctioneers: Olmsteds & Sandstrom.

December 16 - Gun consignment auction at Salina. Auctioneers: Wilson Realty & Auction Service.

December 18 - Real Estate Auctions: (1) 3 BR/1.5 BA home w/114 acres of pasture & cropland; (2) 3BR, 2BA walkout rancher with 124 acres of pasture & cropland held at Lvndon. Auctioneers: Sanders Auctions, Coldwell Banker Griffith & Blair, Inc., Jim Sanders.

March 2, 2019 — Farm machinery, iron, tools & misc. held South of Chapman for Loren Peck. Auctioneers: Kretz Auction Service.

March 15, 2019 - 23rd Annual Production Sale at Maple Hill for Sunflower Genetics.

Page 11 Value of body condition score examined at workshop

By Lindsay King, **Angus Media**

Thanks to technology, producers can develop better cattle in the lifetime of the animal rather than over the life span of the cattleman. This was the take-home lesson from the first of three innovation workshops sponsored by Neogen at the fifth-annual Angus Convention hosted Nov. 3-5, 2018, in Columbus, Ohio.

"Body condition scores are not rocket science, it is simply evaluating cattle on their visual appearance," said Gary Felger, Neogen technical manager based out of Missouri. "We are just making a genetic or visual prediction about how much fat, or lack of fat, an animal has."

The economic importance of body condition scores (BCS) stems from getting a calf on the ground every year. A high or low BCS can quickly increase the calving interval and sometimes prevents a female from conceiving entirely.

"If I have a thin cow at calving and it takes her 20 days longer to come back into heat, her calf is then 20 days younger at weaning,' Felger said to explain the lasting impact BCS has on the economics of a seedstock operation. "If that calf gains two pounds a day while eating grass it will weigh 40 pounds less and that will be at

least \$60 less in your body to the back and pocket."

Cattlemen should consider more than just nutrition when contemplating BCS. Age, milking ability and herd health also significantly affect the number, both positively and negatively.

"When people get to the age of 40, they typically start to lose muscle mass, and I believe that holds true for cattle also," Felger said of the various factors influencing BCS. "But milking ability should also be considered. If we have a heavier milking cow, she will have great nutritional needs while she is nursing a calf and even when she is dry. That makes it easier for her BCS to be lower than we want it to be."

On a scale of 1-9, it takes an estimated 80 pounds (lb.) to move up or down a BCS. On that scale, an ideal score for a first-calf heifer is a 6 and a cow should be a 5. Roughly 95% of all animals fall within the 3-7 range.

Felger suggested looking at five traits when scoring cattle: 1) ribs, 2) backbone, 3) hips, 4) brisket and flank fill, and 5) tailhead. Typically, slight visibility of a few ribs is not cause for concern but when the backbone protrudes and multiple ribs are visible, Felger gets worried.

from the top down," Felger said. "People see different things, so I usually have at least one other person out there to help me score cattle."

The smartest thing cattlemen can do when addressing a low BCS is to separate thinner cattle. Economically, this will allow those animals to get the extra feed they need without over feeding the cattle with the ideal, or higher. BCS.

Ddee Haynes, Neogen territory manager based out of Oklahoma, reminded producers of the importance of the bull's BCS. A younger bull should have a BCS of no less than a 6, while mature bulls can be a 5.

The best way to address a high or low BCS is through management with input from the genetic profile. Putting weight on an animal to increase their BCS is easier than taking weight off.

"You have to be careful with a cow that has a high BCS when she goes into labor, she will dump a lot of fat," said John Paterson, Neogen territory manager based out of Montana. "You need to give her protein like distillers grain that degrades slowly in the rumen. The fat will come off a bit slower, and you won't have as many problems with the reproductive track."

from the front of their

ner well cover/pump base; Duck foot scraper BLACKSMITH: Smith made

game holder; Gyroscope type candle or lamp holder off a ship; Trenton 130 # anvil; Peter Wright 118# anvil; Tools.

HUNTING: Several wood decoys 1 canvas Goose: American rifleman notebooks, 1966-1972; 2 pc. shell boxes; Powder flask w/hunt scene; Dupont powder can. LIGHTING: Pair Hearse lanterns

brass triple font lamp; buggy lan-terns; copper carriage lanterns.

PEDAL VEHICLES: Scat racer Fire and Rescue; John Deere; Murray tractors; McCormick trailer w/fenders; John Deere trailer Dump Trak trailer: Western Flver wagon; wagon made from pedal

MORE GOOD ITEMS: Moorman hobbles; CM Russell bronze? Of-

"Cattle put fat on

brass can opener w/Bull head/tail;

copper crumb tray; wooden ladle;

Aunt Jemima cookie iar & S&P's

HOG OILERS: Sipe-2 rollers;

RAILROAD: Signal Light w/3

lights; cast cone top for sign; 8 RR lanterns.

ANTLERS, MOUNTS, ANTLER

ART: Cribbage "board", brush & comb; Caribou shoulder mount;

several antlers, sheds; Fox pelt;

SIGNS/PRINTS (many): Many

Watermelon.

Covote full body

SATURDAY, DECEMBER 8, 2018 — 10:00 AM 2248A ZZ Road — STRONG CITY, KANSAS (Saffordville Community Building). About 10 miles West of Èmporia, KS on Hwy. 50. There is a sign pointing to Saffordville, go south across the RR tracks. (Bring your jacket, it may be cold!) GUNS: US Sharps Rifle Coming oven; 2 Dazey butter churns;

ESTATE AUCTION

pany .54 cal. By IAB Marcheno, Conn. like new; 1833 Eli Whitney 69 cal. musket, bayonet, sheath, tamping rod; Winchester 50 12 ga.; Winchester mdl. 1906 .22; Ruger American .243 like new in box; Kentucky .45 rifle w/wonderful curly maple stock; Browning Auto 5 Light 20, 2 barrels, orig case, excellent; Smith & Wesson .32 revolver; Ruger New Model Single 6 .22 Colorado Centenni-al-US Bicentennial; High Standard Double 9 .22; JC Higgins 22 rifle: Marlin

itives, collectibles, misc. appliances, household, guns, gun safes, ammo, tools & more held at Portis for the Matters. Auctioneers: Wolters Auction & Realty, Jim Wolters.

December 1 — Tractors, combine & heads, hay equipment, row crop equipment, pickups, truck, skid steer attachments, trailers, grain carts, machinery, livestock equipment, 4-wheeler & garden tractor, tools & misc., household held near Archie, Missouri for Estate of Don & Peg Shipley. Auctioneers: Cantrell Auctions.

December 1 — 160 acres Morris County Native Grass Pasture held at Council Grove for Jim Brooks. Auctioneers: Bott Realty & Auction.

December 1 — Nemaha County farmland sold in 4 tracts (T1: 157 ac m/l; T2: 152 ac. m/l; T3: 157 ac.

Schultis & Son, Inc.

December 11 - Commercial Real Estate - 1.2 acres on a large corner lot, warehouse held at Salina for Jack A. Wilson Trust -Advantage Trust Company, trustee. Auctioneers: Mark Baxa, Coldwell Banker

OPEN HOUSE DECEMBER 2nd 1-2 PM JOHN BEICHLE ESTATE 5 ACRES, HOUSE & CONTENTS AUCTION 2008 K 18 HWY Bennington Saturday, Dec 15, 10 am

5 ACRES with 2-story home, barn, garage, other outbuildings. Home has 1166 sq ft total living area (804 main floor) with 3 bedrooms, 1 bath built 1915. County valuation \$34,650.00. A 10% buyer's premium will be charged on the real estate. Sale includes 2006 Ford pickup w/topper, 1966 Ford Galaxy, appliances, wood stoves, mowers, chain saws, furniture, TVs & electronics, LP records, DVDs, housewares and much more. Personal property at 10 am, real estate sells at 11 am.

For a sale bill listing with pictures go to

www.soldbywilson.com Wilson Realty & Auction Service P.O. BOX 1305, SALINA, KS 67401 • (785) 827-5563

LONNIE WILSON -OWNER/BROKER/AUCTIONEER • (785) 826-7800



TRACT I:

Legal Description: W 1/2 SE 1/4 2-8-11 Osborne Co., Kansas

The farm is located from Tipton, Ks, 3 miles North and 2 miles West on 130 Drive. There are approximately 78 acres of broke ground. 2018 taxes are approximately \$980.00

TRACT II:

Legal Description: E 1/2 SE 1/4 2-8-11 less tract with farmstead Osborne Co., Kansas The farm is located from Tipton, Ks. 3 miles North and 2 miles West on 130 Drive. There are approximately 60 acres broke ground and 15 acres grass. 2018 taxes are approximately \$900.00.

Seller will pay 2018 and all prior year's taxes. Purchaser will pay 2019 taxes.

Possession: Possession will be upon closing.

Terms: 10% of purchase price as down payment day of auction, the balance will be due upon closing on or before December 31, 2018. Down payment will be escrowed with Gregory Law Office. Escrow fees will be split 50/50 between seller & purchaser. Title insurance will be used, the cost will be split 50/50 between seller & purchaser.

Thummel Real Estate & Auction LLC is acting as seller agent. All statements made day of auction take precedence over printed material.

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

March 16, 2019 - (Rescheduled from Dec. 1) - Real Estate & personal property at Maple Hill for Dan & Judy Burdach. Auctioneers: Murray Auction & Realty.

Stevens 410 single shot; Waffenfabrik Bern mdl. 81 (Swiss), In-spector mark; SKS 7.62x39, Leapers scope; flare gun; single shot percussion derringer, app.50 cal., oct. 3 1/4" barrel, engraving; 1945 German K98 8mm Mauser; 1942 Izhevsk Mosin Nagant m91/30 7.62x54R; Mossberg ATR 308 bolt action rifle; Smith & Wesson M&P Sport II .223/5.56; Ruger 10/22 Collector's edition .22LR; FN FNAR 7.62x51; Remington 700 308 WIN bolt action rifle, bipod, Redfield 3x9x scope,

leather sling, Excellent. BITS & SPURS: Several sets of spurs, Makers names are Crocket, Kelly, Crockett Renalde, SRS, Ricarde 4 heart, Kelly, Eduardo Grivhalve, Anchor, Williams, US spurs, English, Buerman horse head, Bronc & aluminum; **Bits** inc.: 1859 US Army, US w/brass, US #3, Winchester, Crockett w/ headstall, "P", Silver Concho Cal-ifornia style, 1939 French military. Gal legs: several fancy bits. spurs, unmarked.

TRAPS (a small collection): S. Newhouse #5 Bear trap, patent Sept. 26, 1911; Mackenzie District Fur. 1886 #15 bear trap; HBC American Fur #6 bear trap; S. Newhouse #4 1/2, 3, 4, 81, 91, 91 1/2; Also-Blake & Lamb, Triumph, Victor, Diamond's of various sizes; 50-60 traps sold in appropriate bundles; Big Stinky Fly trap; Glass fly traps; Metal fly trap; Coyote Getter; Tips to Trappers booklets; Hills Bros. Trappers Catalogs; Misc. trapper items. HORN FURNITURE & ART: Wonderful old Horn hall tree/umbrella stand, hand hewn wood; Horseshoe/Horn rack mirror; Multi-horn hat racks; Horn art;

Foot stool. CHALK ART: 5 Indian busts;

Buffalo; Rin Tin Tin. OIL/PETROLEUM COLLECT-IBLES: Early Bowser vertical oil pump; Hudson oil jar w/orig. lid; Goodyear Service station porcelain sign; Standard Oil Company sign; Red Crown porcelain double sided; Goodrich tires; Armstrong tires-tin; Sinclair 1/2 gal. pour tin; D-X porcelain double sided; Con oco wall clock

CHUCK WAGON/KITCHEN: Tin Dinnerware; skillet, dipper w/ forged handle to hang on Chuck wagon; wooden plate-very early; tin teapot w/handle on side; Fire King Pheasant dishes; chalk string holders; cast "beehive" string holder; Rose Bud warm

prints nave great color, western scenes & western peo-ple in period clothing; Swift & Co cream buying station porcelain: Cast 1889 Gloeklers Butcher shop sign; R W Means fence Co; Page Fence; Arrow fence; Dummons Horse shoe; Sidney Dillon cigar tin sign; Gombaults Caustic Balsam; International Stock food; Big Red fence; Cyclone Fence; Swift & Company; Ebert Wagon; Studebaker buggy; Custer's last stand: Bull Durhan: D. P. James; Never Slip Ted tip; Stetson; Bickmore Gall Salve; Justin Gates; Biltrite soles; Western ladies; Zulichs Powder; Boyt Harness; Angus -origination in Kansas; Corona Salve; Peter Schuttler Wag-ons; Red Cloud; Clay Commission; Clay Robinson; Great Texas State Fair, 1890; Seminole Indi-an; Bull Meat Brand flour; Indian; Wichita Stockyards photo-40's; Kickapoo Indian; L H Hoffman pics; S H Bush livestock dealer; Studebaker wagon; Deering Harvesters 1901 Calender: Russell's butcher knives; Sleepy Eye Mills; KC stockyards

DISPLAY CASES: Cane display; DES trinket showcase of Walnut; other small cases

SALESMAN SAMPLES: Wooden gate; Garden Gate; Saddle. FISHING: Snake Bite first aid pocket kit; vintage trolling motors; Pflueger fishing tackle wooden box; unusual reel; Reels inc.: Herter's Penn #109, Pflueger & more; quite a few older lures, some w/orig. boxes; creel; collection of fishing gaffs.

KNIVES: Buck, Lone Ranger, Girl Scout, Hawaii, hunting, etc.

CAST IRON: Rooster windmill weight; spittoon; Seats inc.: Buckeye Akron, Hoosier, Deering, McCormick; Galion motor grader plate; Steam engine tool box Grease your gearing- Clean Boiler Tubes Daily- and tool boxes without names; mail box w/ cast end-Century Post Co.; Wag-

fering to the Sun Gods; Reggie Jackson baseball bat; pool cue holder for corner; hammers; Monkey wrenches; 5 buggy or stock whips; Quirts; 5 canes-leather washers, silver tip, fancy handle; glass paperweight; wire straightener; wire stretchers; Meta gate shutter; compass in orig. box; brass scales; Ketcham Mfg. brass chicken killer; cast back curry combs; leather tools inc. a circle cutter, splitter & rounder; bone handle farrier tools; charcoal irons; wooden folding pocket mirror; celluloid dominoes; unusual veterinary bag w/contents; 2 metal saddle racks; Woolf Bros top hat; lg. wooden hat block; Stilvard scales; 1882 dehorner; leather covered child's trunk; military saddle repair kit; stitching harness vise; sterling ash tray; wooden steer head match holder; arrowheads; metal spear points; cast alum. horse; skid boots; pair chaps; Hopalong Cassidy pennant; sleigh bells; 3 sets harness bells w/horse hair plumes; 1 cent peanut vendor; steam whistle; brass Champion 6 lever padlock w/key; Little Bronco's company Indian child's costume; foot warmers; Rosette's inc.: AHTA, Union Pacific, more; skid boots; therapeutic horse shoes; braid-

AMMO (several 100 rounds) will sell last: Clips-M-14, AR15, 1911 9mm, AK47-22, 9mm; 2 boxes M-1 carbine; Winchester

ed reins & hobbles; Roy Rogers

boxes M-1 carbine; Winchester .32 auto; 30-03, 338, 30-30; 400 rounds 7.62x51; 12 ga. 00Buck, #8; 7.62x54; 7.62x39; .22Ir; CCI stingers; 9mm; 45ACP; 5.56. **SCOPES, MOUNTS, MISC.:** Tasco 15-45x50 telescope; Muzzleloader scope NIB; Red Dot sinht: Crossfire II 3x9x40 & Dot sight; Crossfire li 3x9x40 & 6x24x50; Nikon scope mounts; Bipod; shooting rest; AR 15 stock; ammo cans; Ruger BX25X2 mag-azines; Tapco 7.62x39 magazines; Top Flite Golf clubs w/bag.

NOTE: This is a partial listing. There are a few hundred photos at www.hancockauctionandrealestate.com. You will want to attend this auction! No buver's premium, no sales tax. Doors open at 8:00 am. Good food available after 9:00 am.

Terms: Cash or approved check day of auction. Inspection day of auction. Remove all items day of auction.





I ran into Randy in the airport. He was draggin' his right hind leg like an escaped convict tryin' to cover his tracks. I could see it had taken him a while to pull his pant leg on over the swollen knee. He side-slid to a stop to visit for a minute.

"So." I asked stupidly, "Hurt yourself?"

Randy is a rodeo announcer. A good one, I might add. I've seen him work. But this injury could certainly not be worked related, I thought to myself. Rodeo announcers are a little higher up the food chain than those of us who actually get within striking distance of large herbivores. They sit in their ivory towers above the dust and flailing hooves, inciting the fans and titillating the timers. Occasionally stooping to act as straight man to the barrel man's jokes but above it all, maintaining their dignity. Ringmaster of all they survey.

He gave me a raised eyebrow, realized that I was not smart enough to

Farmers

have asked the question facetiously, and explained. In an effort to 'keep up with the competition' he had taken to announcing rodeos a-horseback.

'Say no more,' I thought. Riding a strange horse furnished by the stock contractor into the center of the arena surrounded by thousands of foot-stompin', whistlin', avid rodeo fans, reins in one hand, microphone in the other. with flags flyin', banners flappin' and music blarin'... the outcome is almost predictable.

His story included all of that and concluded with a wild bucking exit where he bailed out with the grace of a sand bag fallin' off the back of a runaway stage coach.

What makes people do things like that says something about the cowboy mentality. This mentality is best characterized by that old joke where the guy holds his hand in front of his face and bets his friend that he can't 'hit my hand before I move it.'

I once had to wear a

AUCTIONS EVERY

MONDAY & THURSDAY

Selling Hogs & Cattle every Monday

RECEIPTS FOR THE WEEK TOTALED

2,910 CATTLE & 82 HOGS.

& Ra

neck brace for several weeks. Not in public, of course. Maybe I wouldn't have been so reluctant to wear it if I didn't have to respond to the question ... "-So, did you hurt your neck?"

What did I tell them? No. It's just decorative. A cosmetic article of clothing designed to offset my bad posture and enhance my fine facial features. Or maybe ... my wife gave it to me on our anniversary... or, I wrenched it saving a school bus load of children from a burning building.

If I had been forced to explain, I would have to have said I was riding down the trail with an amigo whose horse was jiggin' and tossin his head. So I told this amigo that he didn't have to put up with that kind of unsavory equine behavior. When he throws his head, I said, conk him between the ears. 'Whattya mean?' asked my amigo. So I demonstrated by leaning out of the saddle and whacking his horse on the poll with a 32 ounce mug I'd got at the GIT AND GO. The mug broke, his horse stampeded and when I straightened up, I couldn't move my neck.

See what I mean? Randy's story isn't that preposterous after all. Just part of the cowboy way. Here, bet you can't hit my hand before I move it.

www.baxterblack.com

National Pork Board and U.S. Meat Export Federation to partner on Pork 2040

The National Pork Board, the U.S. Meat Export Federation (USMEF) and the U.S. Department of Agriculture (USDA) have announced that they will engage in a foresight-based marketing study called Pork 2040. The study will investigate changing consumer attitudes and trends in developed and emerging U.S. pork export markets in 17 defined countries.

"Previous international marketing studies centered only on quantitative statistics to define demand, production and market access," said Bill Luckey, chair of the Checkoff's International Marketing committee and a pork producer from Columbus, Nebraska. "This unique effort will be more comprehensive, investigating the relevant qualitative factors that shape consumer opinion and hence markets. The study will focus on forecasting the pork and pork-product demand landscape over the next several decades to help determine where best to invest our limited Checkoff resources."

In addition to analyzing linear consumer trends, the Pork 2040 research will assess trends in the development of new production and marketing technologies, as well as in growing environmental concerns and in emerging legal, trade and regulatory regimes around the globe.

"Comprehensive research is vital to our international marketing planning and forecasting in order to stay ahead of the curve," Luckey said. "We must take proactive steps to market products in both current and emerging markets well into the future.'

China, which has a growing and increasingly urban population base, will be the first country studied through the Pork 2040 lens. A research platform will be developed to enable the U.S. pork industry to design and implement a long-term strategy for U.S. pork consumption in China and to add context to one of the most critical export markets.

"By forecasting where pork and pork product demand is heading in China, the Pork Checkoff and its partners can return value to U.S. pig farmers through a defined and united focus on growing export demand," said Craig Morris, vice president of international marketing for the Pork Checkoff.

The Emerging Markets Program will provide initial funding for the project. This funding will enable teams of experts to assess consumer trends, attitudes and behaviors that influence China's food system needs and the subsequent ability to increase U.S. exports into the region.

"Pork 2040 will help decision-makers in business, government and non-profit organizations understand and accommodate the myriad challenges facing our pork industry stakeholders," Morris said. "Challenges routinely surface from ever-evolving factors that affect the global food system, and we need to be better informed about circumstances potentially within our control and influence."

Contractors interested in submitting proposals for this market should visit pork. to/2040rfp to download the request for proposals and submit their bid.

Livestock Commission Co., Inc. Salina, KANSAS SALE BARN PHONE: 785-825-0211 **MONDAY — HOGS & CATTLE**

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

THURSDAY — CATTLE ONLY

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

AUCTIONEERS: KYLE ELWOOD, ANDREW SYLVESTER & GARREN WALROD

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

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UPCOMING	SPEC	IAL	SALE	S:
Special COW Sales		W	eaned/Vacc	inate

TUESDAY, DECEMBER 18

All Special Sales START AT NOON!

ted Sales TUESDAY, DECEMBER 4 TUESDAY, JANUARY 8

• TUESDAY, FEBRUARY 5

EARLY CONSIGNMENTS FOR THURSDAY. NOVEMBER 29: 22 Black steers & heifers, weaned 30 days, vacc, 600; 100 mostly black steers & heifers, off grass, northern origin, 850-950; 50 black & BWF steers & heifers, home raised, 600-750; 90 black steers & heifers, 450-600; 6 heifers, weaned 6 weeks, 600; 145 mostly black steers & heifers, weaned Oct 28th, fall vacc, 650-750; 20 black steers & heifers, long time weaned, home raised, fall vacc, no implants, 550-600; 10 Charolais cross steers & heifers, weaned, 450-550; 20 steers, 600-650.

TUESDAY, NOVEMBER 20			PAIRS		
SPECIAL COWS SALE:			13 blk	Salina	3-4 @ 1685.00
			10 blk	Marquette	4 yrs @ 1685.00
	BRED HEIFE	RS	8 blk	Alma	3-5 @ 1650.00
10 blk	Claflin	@1785.00	6 blk	Mancheste	er 3-5 @ 1625.00
24 blk	Claflin	@1775.00	3 blk	Salina	3-4 @ 1610.00
5 blk	Claflin	@1750.00	5 blk	Mancheste	er 3-5 @ 1600.00
23 blk	Claflin	@1735.00	8 blk	Mancheste	er 3-5 @ 1600.00
12 blk	Claflin	@1725.00	5 blk	Salina	3-5 @ 1600.00
18 blk	Claflin	@1725.00	14 blk	Salina	7-9 @ 1200.00
12 blk	Claflin	@1700.00	4 blk	Salina	broke @ 1000.00
24 blk	Brookville	@1685.00			
24 blk	Brookville	@1685.00			
27 blk	Brookville	@1675.00	MO	NDAY, NO	OVEMBER 19
6 blk	Minneapolis	@1675.00	C	ATTLE &	HOG SALE:
10 blk	Minneapolis	@1625.00			
6 blk	Smolan	@1500.00		HO	GS
			4 wht	Thayer 1	103 @ 35.00/HD
	BRED COW	S	10 mix	Thayer	64 @ 16.00/HD
6 blk	Hays 3 yrs	@ 1660.00	5 wht	Newton	290 @ 50.25
27 blk	Concordia 3-4	@ 1650.00	11 mix	Newton	284 @ 49.00
23 bwf	Hays 2 yrs	@ 1600.00	5 wht	Newton	299 @ 46.50
3 blk	Hays 3 yrs	@ 1600.00			
24 blk	Hays 3 yrs	@ 1585.00		CO	WS
20 blk	Gypsum 3-5	@ 1485.00	1 blk	Durham	1625 @ 72.00
12 red	Brookville 4 yrs	@ 1475.00	1 blk	Durham	1640 @ 70.50
9 blk	Marion 3-4	@ 1475.00	1 blk	New Caml	oria 1585 @ 70.50
3 red	Wilsey 3-4	@ 1450.00	4 mix	Salina	1610 @ 70.50
21 blk	Wilsey 3-5	@ 1450.00	1 blk	Salina	1560 @ 70.00
18 blk	Salina 3-5	@ 1450.00	1 blk	Beloit	1540 @ 69.50
3 red	Salina 3-5	@ 1450.00	4 mix	Durham	1700 @ 69.50
12 bwf	Gypsum 3-5	@ 1450.00			
20 blk	Gypsum 3-5	@ 1450.00		BU	LLS
19 blk	Marion 3-4	@ 1450.00	1 red	Salina	2040 @ 88.00
11 blk	Slina 3-5	@ 1435.00	1 red	Gypsum	1990 @ 82.00
16 red	Gypsum 3-4	@ 1435.00	1 char	Newton	1950 @ 80.00
11 blk	New Cambria 3-	5 @ 1435.00	1 blk	Abilene	2105 @ 77.00
33 blk	Haviland 8-	9 @ 810.00	1 red	Salina	2210 @ 75.00
16 blk	Haviland brok	e @ 800.00			

3 blk	Salina	3-4	@	1685.00
0 blk	Marquette 4	yrs	@	1685.00
blk	Alma	3-5	@	1650.00
blk	Manchester	3-5	@	1625.00
blk	Salina	3-4	@	1610.00
blk	Manchester	3-5	@	1600.00
blk	Manchester	3-5	@	1600.00
blk	Salina	3-5	@	1600.00
4 blk	Salina	7-9	@	1200.00
blk	Salina br	oke	@	1000.00

ER 19 ALE:

IN STOCK TODAY:

Heavy Duty Round Bale Feeders

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

6'8" X 24' GOOSENECK STOCK TRAILER

6'8" X 24' GR Stock Trailer Metal Top

EARLY CONSIGNMENTS FOR TUESDAY, DECEMBER 4, WEANED/VACC SALE

60 black steers & heifers, 500-800; 7 steers & heifers, home raised, 600; 31 BWF/RWF fall vacc, weaned 60 days, 600-750; 40 black steers & heifers, home raised, weaned Sept 20th, PI negative, 600-700; 45 black steers Sim/Angus Irvin Ranch bulls IGS, 750-800; 15 black steers & heifers, home raised, 2rnd vacc, weaned 45 days, open, 500-600; 16 steers & heifers, home raised, all vacc, weaned 3 months, 350-750; 65 black/BWF steers & heifers, 700-800; 34 mostly black steers & heifers, home raised, 2rnd vacc, weaned 30 days, 550-650; 12 black steers & heifers, weaned Oct 23, 2rnd fall vacc, 450-550; 100 steers & heifers; 35 steers & heifers, home raised, 500-700; 200 steers & heifers, 550-650; 60 black & BWF steers & heifers, 600-800; 60 steers, weaned 60 days, mostly black, vacc, poured, 800; 30 heifers, open, vacc, poured, mostly black, weaned 60 days, 575; 140 mostly black steers & heifers, fall vacc, weaned Oct, 550-600; 190 Angus steers, Al sired, 575-650; 80 black steers & heifers, home raised, weaned, vacc, 550-650; 65 black steers & heifers, home raised, 500-650; 40 black/BWF steers & heifers, 600-700; 30 steers & heifers; 50 Angus heifers, AI sired, 500; 56 steers & heifers, 550-700; 47 black/BWF steers & heifers, 500-600; 125 black steers & heifers; 8 black steers, weaned 45 days, bunk broke, 2rnd fall vacc, poured, 500-600; 90 steers & heifers, weaned 60 days, 600-700; 45 black/BWF steers & heifers, 2rnd vacc, weaned 60 days, 550; 135 black/SimAngus steers, 700-800; 15 steers & heifers, bunk broke, 500-700; 70 Black/BWF steers & heifers, 2rnd vacc, weaned 30 plus days, poured, 600-700; 15 black steers, 45 days weaned, no implants, home raised, 750-800; 185 black/BWF steers, 45 days weaned, home raised, 2rnd vacc, 550-650; 60 steers & heifers, 400-700; 15 steers & heifers, long time weaned, 2rnd fall vacc, no implant, knife cut, wormed, 650; 80 steers, 600-650; 18 steers & heifers, Angus Source, 2rnd vacc, 600-700; 12 BWF steers, 2rnd vacc, weaned 45 days, 500-600; 19 black steers & heifers, 2rnd fall vacc, weaned 6 weeks, 700-900; 20 heifers, 600-700; 138 steers, 600-700; 116 steers, 600-700; 20 heifers, 600-700.

