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Celebrations planned all along Chisholm Trail for 150th anniversary

By Donna Sullivan,
Editor

Jesse Chisholm never drove a herd of cattle, yet the trail named after him has become perhaps the most famous of cattle trails and is the centerpiece of celebrations from Texas, through Oklahoma and up to Kansas, honoring its 150th anniversary. Chisholm himself was an Indian trader, guide and interpreter who built trading posts in the Oklahoma Territory. A portion of the cattle trail followed Chisholm's trade routes, thus earning the name of the Chisholm Trail. Much of its fame may have been gained by cowboys singing the song, *The Old Chisholm Trail*. According to the Kansas State Historical Society's *Kansapedia*, experts have found as many as 1000 verses of the song, each added by a lonesome, bored cowboy as he drove the herd slowly, giving the cattle time to graze and put on pounds.

"Come along boys and listen to my tale, I'll tell of my troubles on the old Chisholm Trail..."

Those troubles could include raging river crossings, prairie storms and hold-ups by thieves.

There was profit in getting those cattle from pastures in Texas to the railheads that would ship them



Governor Brownback recently signed a proclamation celebrating the 150th anniversary of the Chisholm Trail.

to the beef-hungry east coast. The Civil War had put a stay on the shipment of beef to the east, as Union soldiers blocked shipping along the Gulf of Mexico and Mississippi River. Meanwhile, the herds of Texas Longhorns grew. After the war, those cattle could bring up to \$40 per head in Chicago, when they fetched just \$2 a head in Texas. So the cattle drives began once again, first rolling into Sedalia, Missouri, where the railroad had arrived. But a tick carried by the Texas cattle infected the

local breeds with Spanish Fever, in some areas wiping out 100% of the herds. So Missouri passed a law banning Texas cattle from the state. Kansas had a similar law but repealed a portion of it in 1867 to allow the cattle to be driven into the state west of the sixth principal meridian.

Joseph McCoy began pushing for cattle drives into Abilene and the first one reached the newly established cowtown in August, 1867. On September 5, 1867 the first rail car load pulled

out of Abilene headed east.

Celebrations and exhibits are planned all along the Chisholm Trail to commemorate its historical significance. A proclamation declaring the historical rele-

vance of the Chisholm Trail to Kansas was signed recently by Gov. Sam Brownback. On April 29 that proclamation will begin a journey along the Chisholm Trail from Abilene to Caldwell, carried in a saddlebag by a horseback rider. It will be handed off to a fresh rider about every twenty miles as it makes its way through Newton, Wichita, Clearwater and Mayfield. The hand-off locations and times will be announced closer to the date. The Oklahoma proclamation riders will meet the final Kansas rider, Sam Wylie, at the intersection of Main and 1st Street in Caldwell. The proclamations from each state will be exchanged at noon on Saturday, May 6th.

Abilene kicked off their celebrations last September with their Trails, Rails and Tales: Spirit of the Chisholm Trail event that included a parade with Longhorn cattle being through the city streets. The Chisholm Trail:

Driving the American West Traveling Exhibit is a collaboration between Symphony of the Flint Hills and Flint Hill Design that highlights the founding fathers of the Chisholm Trail as well as life on the trail and the birth of the American cowboy.

Locations and dates for the exhibit are:

Wichita-Sedgwick County Historical Museum, Wichita, March 9-May 2

Caldwell Chamber of Commerce, Caldwell, May 4-June 27

Dwight D. Eisenhower Presidential Library and Museum, Abilene, August 24-October 17

Kaufman Museum, North Newton, December 14, 2017-April 3, 2018

Boot Hill Museum, Dodge City, September 20, 2018-November 13, 2018.

Other events and celebrations are planned along the trail in the coming months. For more information, visit <http://chisholmtrail150.org>.

Prospect of China opening its doors to U.S. beef could be boon for industry

It's been nearly 14 years since China allowed sales of U.S. beef in that country, but that may be about to change. And that's very good news for the U.S. beef and cattle industry, according to a Kansas State University agricultural economist.

"As the most populated country in the world, with a

large and growing middle-income class, gaining direct access to China is one of the most positive developments the U.S. beef industry could ask for," said Glynn Tonsor, livestock marketing specialist with K-State Research and Extension, commenting on news that a deal was struck between Chinese president Xi Jinping and President Donald Trump in an April meeting.

China, however, agreed previously to end a ban on U.S. beef it had imposed in 2003, but conditions on opening that market have yet to be worked through. China, along with many other countries, imposed the ban in 2003 when a case of bovine spongiform encephalopathy, also called mad cow disease, was confirmed in a cow in the U.S.

With a population of more than 1.3 billion people, China presents a huge potential market for U.S. beef. By comparison, the U.S. population is 324 million, according to the U.S. Census Bureau.

Over the past ten years, Japan, with a population of

127 million, has been the biggest importer of U.S. beef.

Tonsor said he and other economists expect overall meat demand to grow at a faster rate outside the U.S. than inside the country. Given that, any and all developments such as this which increase viability of exporting U.S. beef are beneficial.

"While we live in an era of fairly widespread skepticism around the net benefits of global trade, it is important to recognize a key fact as a U.S. cattle producer: Any time you can sell your product to consumers who most value it, the higher the collective sales value of beef products (and the cattle they originate from) will be," Tonsor said. "Gaining – and retaining – access to a larger set of candidate consumers is vital to the ability to accomplish this. This point is only reinforced when one appreciates the vast diversity of beef products that come from a sole animal and how this aligns with a corresponding assortment of consumers who most value each of those products."



The KSU Meat Evaluation Team recently won the three-day National Collegiate Meat Animal Evaluation Contest, defeating twelve other schools to claim the championship title.

Courtesy photo

KSU wins national meat animal evaluation contest

Kansas State University beat 12 other schools to win the national championship at the 2017 Collegiate Meat Animal Evaluation Contest.

The three-day competition concluded April 4 with the champion teams and individuals being recognized at the Stanley Stout Center in Manhattan. Kansas State won its first-ever national title in this contest last year, and now has successfully defended that win.

The team won several categories, including market animal, breeding, swine and communications. Chase Gleason (Uniontown) won the overall individual title, while Shelby Teague (Fort Morgan, Colo.) placed third and Brooke Jensen (Courtland) was fourth.

"We are proud of our students and coaches for their hard work and accomplishments," said Ken Odde, department head for animal sciences and industry. "This is a challenging contest that not only tests a student's ability in meat and livestock evaluation, but also requires that they understand pricing, which is particularly important in today's value-based marketing system."

The event rotates between host institutions across the country. The competition includes live market animal carcass predictions and pricing, breeding animal evaluation and meat judging competition and serves as a capstone judging experience for students because it incorporates many concepts that are applicable to the meat industry.

The team is coached by Travis O'Quinn and Chris Mullinix and assisted by graduate students Austin Langemeier and Lauren Prill.

In addition to Gleason, Teague and Jensen, team members include Trevor Birky (Strang, Neb.); Dakota Ferguson (Williamsburg); Callahan Grund (Wallace); Lauren Ivey (Montpelier, Va.); Matt Marion (Terre Haute, Ind.); Austin Matheny (Mayslick, Ky.); Cole Renner (Norton); Leah Scholz, (Lancaster); Maggie Smith (Lewistown, Ill.); Jessie Vallejo (Gridley, Cal.); Emily Voris (Atwater, Cal.); and Jake Wagner (Erie, Colo.).



Storytelling in Downs April 28-29

By John Schlageck,
Kansas Farm Bureau

Storytelling, as we know it, began with the advent of man and woman on the earth.

Before we learned to write, we learned to rely on our memory to learn anything. For this, we had to be a good listener.

Why?

To tell the story we'd just heard.

A good story teller is always in demand and respected. He or she can easily find an audience, eager to devour every exciting bit of information in the stories.

When people traveled, they shared these stories with others. When they returned home, they brought with them exciting new tales of exotic people and places.

To celebrate this art, a storytelling festival is slated for the weekend of April 28-29 in Downs. Now in its 24th year, the Kansas Storytelling Festival began in 1994.

This festival draws people who appreciate stories and realize their power in shaping our identities as well as pure enjoyment.

At this year's event, storytellers will take us to a different time and place and stretch our imaginations. They will make us laugh and cry. They will make us think about our own stories and how important it is to pass on to others what we learn in this life.

Every spring, the citizens of this small north-central Kansas town bring nationally recognized talent to their community of 900 souls. Tim Lowry, who makes his home in Summerville, S.C., headlines this year's festival.

Lowry is best-known for his folk tales and stories from American history. He's presented thousands of educational programs for schools across the country.

Other featured storytellers include Adam Miller, described as a natural-born storyteller, Brian "Fox"

Ellis, an author, storyteller of song, myth and poetry; and Linda Gorham, who specializes in surprising twists and unconventional humor tied in her tales.

Osborne County's Glenys Doane serves on the Festival steering committee and explains how the two-day event works.

Four stages of entertainment run concurrently during the Festival. This gives festivalgoers the chance to choose which performer or story type to attend.

Individual backgrounds and styles make each storyteller distinctive. Tellers are rotated to all stages and story sessions are planned around the interests of children, history, music and personal, anecdotal stories.

People travel from across the country to listen to the yarns. They love the stories and believe in their power to move them.

"Our storytellers tell their tales without reading a book, using photos or showing a video," Doane says. "They use words, inflection and cadence to create pictures and events in the listener's mind."

Doane likes to recall what old-time storyteller

Donald Davis says about the art, "My business is in movies. I shift the movie I make in my head to your head."

In addition to the telling of tales, there's plenty of other activities including good food prepared by caring local hands. Some of the most popular items include the famous Lion Club hamburgers and pies, cakes and cinnamon rolls baked by the ladies from nearby Dispatch.

There's also a resource center where books, CDs and t-shirts from the featured storytellers can be purchased. A story store incorporates a recording booth where festival-goers can stop and relate their own stories of rural Kansas, or wherever they're from.

For more information about the 24th annual Kansas Storytelling Festival, visit www.Kansasstorytelling.com. Mark the dates on your calendar and drive to Downs.

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.

How far you go in life depends on your being tender with the young, compassionate with the aged, sympathetic with the striving and tolerant of the weak and strong. Because someday in your life you will have been all of these.

--George Washington Carver



Last week marked a glorious day of graduation and coming of age at our house. It was one that caused me to celebrate and almost brought a tear to my eye. No, no it was not one of my kids. That will be next year for one and somewhere in the next decade (if we are lucky) for the other one. Today was the day that we ran out of the last scoop of lamb milk replacer and therefore the bottle lambs were weaned.

This was a day that I had been looking forward to for months. At one point this year we had twelve bottle lambs, which is about thirteen too many. Sure, they are cute and it is kind of fun that they run up to you in the pen and act like they like you. But the reality of the situation was that mixing the bottles and feeding the lambs added a good thirty minutes to my chores each morning, noon, early afternoon and evening.

To be quite honest I am not sure who is happier, Jennifer or me. No bottle-feeding lambs means no more lamb milk replacer in the utility room and no more mixing lamb milk in the sink. I don't care how careful you are, there is no way to scoop the stuff out without spilling a little on the floor. The same could be said about mixing the bottles on the counter. It is hard to stir the stuff up and not have it slop over the side. One dilemma I do have is what to do with my measuring cup and mixing bowl. Jennifer bought them for me as a present, I kind of got the feeling she did not like me using her good glass measuring cup and mixing bowl. She also bought me a shower caddy that served as a bottle carrier; when you must have a carrier for all your bottles, that is when you know you have too many bottle lambs (and it took two carriers).

It was nice to be able to put my jacket and boots on without having to remember to take the carrier downstairs with me. Of course, there were several angry little lambs who had assumed they would be bottle-fed for the rest of their lives and did not think this was such a good idea. They will eventually get over it. In fact, by the time I had finished with the other chores

they had forgotten about me and were in the feeder. I think I could have weaned them earlier but I still had some milk left, I am too tight to throw it out and I am not going to try to save it for next year.

Okay, before I get a lot of feedback. Yes, I know that having that many bottle lambs shows a real management problem. I have been accused of becoming too attached to ewes and cows and that was probably the case. I tried to get one more year and one more ewe lamb one too many times and it came around to bite me. There has already been one rather large load of cull ewes that made their way to the sale and there will be another one next month. I may be a slow learner, but eventually I figure it out.

I am also aware that there are buckets, other devices and holders that one can use to feed multiple lambs so not to have to do it by hand. I had too many different ages and I have a fear of each lamb not getting enough milk so I hand-feed them. No one ever accused me of doing things the easy way either. I guess I must secretly enjoy bonding with my lambs.

A couple of months ago when we were feeding the lambs four times each day it seemed like this day would never come. Each morning when I was bum-rushed by a herd of mad, hungry little piranhas, it couldn't get here fast enough. Even though it was a real pain and not much fun most of the time and my life is now infinitely easier, some good did come out of this experience.

For one, we found out we do not drink much soda pop in our house any more. We use twenty-ounce soda bottles to feed with and it was a struggle to get new bottles. I might also be able to make peace again with our barn cat who had an affinity for eating the nipples right off those pop bottles (of course, we would not have had those fights if I would have remembered to put the bottles up). The biggest accomplishment was raising and weaning a whole set of triplets; once again proving that you can always find a positive in any situation.



People who know me very well are aware that I absolutely detest the phrase "my bad." It irritates me when young people say it, drives me crazy when adults say it, and nearly sends me into orbit when professionals say it. Most people in my immediate sphere are well aware of my sentiments and generally avoid using that phrase, unless they are deliberately trying to irritate me – which could be the reason I have borderline hypertension.

While I may not have succeeded in eradicating the phrase altogether, I take some comfort in thinking I may have at least slowed its degenerative pull on the English language among the people closest to me. Or at least I did take that comfort, until last Sunday when my six-year-old grandson said it while we were playing a board game. That was a crushing blow.

Since my efforts have had little to no effect in ridding the world of what I consider a black plague on intelligent speech, I've decided to expend my linguistic energies in a new direction. I'm on a campaign to get the word "porching" added to the English vernacular. I tried just declaring it a word myself, but my sassy little niece informed me that although I am a newspaper editor, I do not have that kind of authority.

So my older daughter got involved and enlisted the help of Facebook to further my cause. She had me write a definition, then posted it along with a photo of herself "porching" and instructed others to do the same.

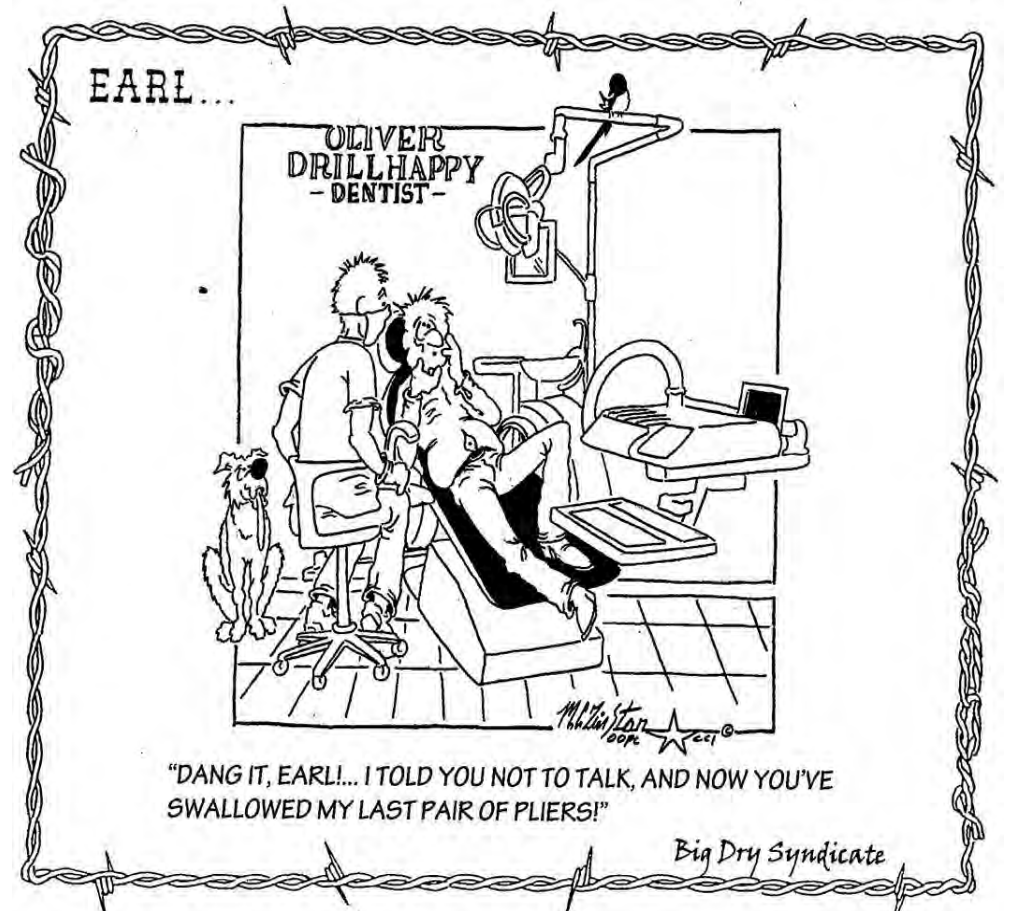
Here is my definition. Porching: (verb) The act of disengaging from the chaos of life to spend time relaxing on a porch or patio, either enjoying the conversation of close friends or family, developing a new friendship or enjoying solitude, possibly spending time in prayer. Electronic devices are discouraged, but a tall glass of iced tea or lemonade is an appropriate addition.

Within minutes of posting my "porching" photo, one of my alert Facebook friends pointed out that if electronic devices are discouraged, how are people supposed to post photos of themselves in the act of porching? Now there's a conundrum for you. I guess just post your photo, then throw the device in the pond. If that seems a little extreme, simply take it in the house.

Even if the word doesn't ever catch on, I hope the concept does. In this crazy world we live in, where we know things about long-lost cousins and classmates we haven't seen in thirty years due to the wonders of electronic media, I think we all need a little more real connecting-time on the porch. Kind of like generations before us used to do. While we might not solve all the problems of the universe while in the act of porching, we might just bring a little more peace and friendship into our little corner of the world.

And if not, well... my bad.

C'mon now, how else did you think I going to end this column?



"DANG IT, EARL!... I TOLD YOU NOT TO TALK, AND NOW YOU'VE SWALLOWED MY LAST PAIR OF PLIERS!"

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Kansas bill allows heavier trucks hauling ag loads on some roads

Heavier trucks apparently will be allowed on some Kansas roads but only if they are hauling agricultural loads.

The Kansas Legislature recently approved a bill that would allow six-axle semitrailer-tractor vehicle combinations with a gross weight of up to 90,000 pounds on some Kansas roads, if they are hauling farm commodities or livestock.

The bill awaits Gov. Sam Brownback's signature.

The *Hutchinson News* reports that under the legislation, the state transportation department will issue special vehicle permits for vehicle combinations with a gross weight between 85,500 pounds and 90,000 pounds. The trucks cannot drive on interstates.

Currently, the weight limit is 85,500 pounds. The new rules would take effect July 1.

KFB awards grants to FCCLA chapters

Kansas Farm Bureau (KFB) has awarded six mini-grants to Kansas Family, Career and Community Leaders of America (FCCLA) chapters across the state.

"We proud to sponsor these projects," Rich Felts, president of Kansas Farm Bureau, says. "They bring value to our individual organizations as well as local communities, and each one promotes agriculture and builds leadership—two tenants we know are important."

FCCLA and KFB have common goals of developing engaged community leaders and educating consumers about the safety, nutritional value and cost effectiveness of their food choices. The grant funds provided the opportunity for FCCLA chapters to conduct projects in the school or community around food and farming.

Winning projects promote agriculture, are new and innovative, include community support and involvement, promote collaboration between local FCCLA chapters and county Farm Bureaus and promote Kansas Farm Bureau, the county Farm Bureaus and the local FCCLA chapter.

2017 Mini-Grants Awarded to FCCLA Chapters:

Blue Valley, Riley County

Blue Valley FCCLA members will work with students to grow garden produce with the FFA greenhouse and local gardeners as well as provide instruction on meal preparation. A local Farm-to-Table event will be hosted at the school.

Burrton High School, Harvey County

FCCLA members will plan activities and field trips for kindergarten through fifth grade students at Burrton Elementary that coordinate with Kansas Farm Bureau's Kailey's Ag Adventures book series. The visits will include a local dairy, farm family, the Mid-Kansas Co-op as well as instruction from a local Extension agent.

FCCLA members will plan activities and field trips for kindergarten through fifth grade students at Burrton Elementary that coordinate with Kansas Farm Bureau's Kailey's Ag Adventures book series. The visits will include a local dairy, farm family, the Mid-Kansas Co-op as well as instruction from a local Extension agent.

Deerfield High School, Kearny County
Ten visits will be planned to Deerfield Elementary to teach students about the importance of farm and ranch animals. KFB's Kailey's Ag Adventure books will guide the discussion for each visit.

Elkhart High School, Morton County
Through a field trip to a hydroponic greenhouse, various farm visits and time in the classroom, students will learn about food safety and quality standards.

Minneapolis High School, Ottawa County

The FCCLA chapter will host an informational meeting about GMOs with the local county Farm Bureau. In an effort to create conversation and dinner time in the community, they will also host a workshop to prepare freezer meals for each participant and their family.

Yates Center High School, Woodson County

KFB's Kailey's Ag Adventures book will be used in the Yates Center Elementary school during the after school enrichment program. Sessions will provide a hands-on activity and take-home activity to teach students about food production.

Last Kansas Sampler Festival approaches

The 28th, and final, Kansas Sampler Festival will take place May 6-7 in Winfield's Island Park. The largest outdoor travel show in the state will once again feature what there is to see, do, hear, taste, buy and learn in Kansas. Attendance in 2016 was 8,250.

More than 130 Kansas communities will be represented by tourism exhibitors, musicians, historic performers, entrepreneurs, food vendors, and cultural heritage demonstrators.

The 2017 festival is organized by the Winfield Area Chamber of Commerce and Tourism with chamber director Sarah Werner serving as the local festival director. More than 300 volunteers, city workers, and area sponsors make the festival possible.

The primary focus of the festival is to give the public ideas for Kansas day trips. Exhibitors from across the state will set up displays

in twelve tents to promote tourism. Entrepreneurs will sell their products in three tents and another tent will feature Kansas wine and beer producers. There will be four stages for musicians and a fifth for historic performers. Twenty food vendors will be found on the grounds as will a blacksmith demonstration, antique cars, Pack goats and Mammoth donkeys, and children's activities.

This will be the final Kansas Sampler Festival before the foundation switches to a new format to educate the public about what Kansas

has to see and do. The "Big Kansas Road Trip" will start in 2018 and the showcase counties for the road trip will be announced at the festival.

The festival began in 1990 as a book-signing party for Milferd and Marci Penner's *Kansas Weekend Guide* book. Some of the places in the guidebook set up displays. The crowd reaction was so positive that the event was given a name, the Kansas Sampler Festival, and was held on the Penner Farm near Inman for another seven years. It then rotated on a two-year basis to the

Mid-Continent Energy Exchange announces appointment of Sarah Krehbiel as COO

Mid-Continent Energy Exchange, a company which provides a live auction and a 24/7 internet auction platform for oil and gas assets, announced recently that the board of directors has unanimously voted to hire Sarah Krehbiel as Chief Operating Officer effective April 10, 2017.

"We are thrilled to announce that Sarah will have this very influential role at MCEE as we navigate through the expanding landscape of connecting oil and gas buyers with sellers," said Charlus Bishop, one of the founders. "Sarah has a solid understanding of the needs of both buyers and sellers of oil and gas assets, the marketing experience to assist them in maximizing value, and a firm grasp on business development and leadership. I have no doubt that Sarah is the right person for the job as our company continues to grow and evolve."

Mid-Continent Energy Exchange was created to assist working interest owners, mineral owners, royalty and override owners, land owners, operators and other energy partners transition their oil and gas assets at auction.

Live auctions are held quarterly at the Wichita Boathouse in Wichita and feature internet bidding for those unable to attend the auction. Additionally, there is a 24/7 web platform to allow continuous auctions via the internet for those sellers and buyers who prefer "on-the-go" bidding from

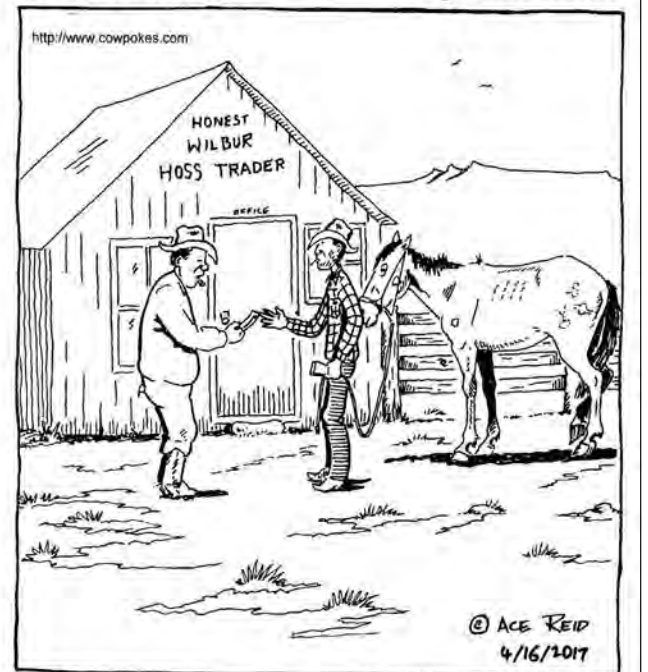


anywhere in the world that there is internet connectivity. The 21st century allows you to bid from the office, from home, or while sitting at your grandson's ballgame. "I am honored that Mid-Continent Energy Ex-

change chose me to fill this roll. People in the oil and gas industry are marked by being some of the most energetic and passionate minds around. It is an environment where I thrive and it's obvious to me the owners of Mid-Continent Energy Exchange share this passion."

Krehbiel is the third generation of her family in the oil patch. She began her career at New Mexico Independent, Yates Petroleum Corporation, and went on to work on growing businesses on the service side, specializing in drilling fluids and directional and horizontal drilling. Krehbiel is a Pretty Prairie native who earned a Bachelor of Science degree in Psychology at Kansas State University.

COWPOKES® By Ace Reid



"The reason I don't charge very much for my hosses is when the check bounces I don't feel I've lost so much."

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GRASS & GRAIN Our Daily Bread

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

This Week's Recipe Contest Winner Is Annette Reilly, Abilene

Winner Annette Reilly, Abilene: "Want a slight twist to your banana bread? I did! What a nice surprise to hear hubby say, 'That's really good!' Hope you enjoy the change."

SPECIAL BANANA BREAD

- 1/2 cup butter or margarine, softened
- 1 1/3 cups sugar
- 2 eggs
- 1/3 cup sour cream
- 1 teaspoon vanilla
- 1/2 teaspoon almond extract
- *1 packet instant hot cocoa mix (for 1 cup drink)
- 2 cups flour
- 1 1/2 teaspoons baking powder
- 1/2 teaspoon baking soda
- 1/2 teaspoon salt
- 3 ripe bananas
- 1/2 cup chopped pecans, toasted (optional)

Cream butter and sugar. Add eggs and beat well. Add sour cream, vanilla and almond extract; beat well until blended. Add instant hot cocoa mix and blend well. Mix flour, baking powder, soda and salt; add to sugar mixture and beat well until mixed. Stir in bananas, pecans and pour into a 9-by-5-by-3-inch greased and floured loaf pan. Bake at 350 degrees for 1 1/2 hours or until tester comes out clean when inserted in center. OR: Microbake in a tube pan sprayed with non-stick coating. Bake on 30% power 12 minutes rotating once. Rotate again and bake at full power for 4-5 minutes. Tester should also come out clean though may be tacky on top. Flip onto plate covered with waxed paper. Rest 10 minutes before removing pan. Cool completely (if you can wait that long) before eating. Best next day.

NOTE: *I used Land O'Lakes Chocolate Supreme cocoa mix.

- Lydia J. Miller, Westphalia:
- ### GRAHAM CAKES
- 4 cups whole wheat flour
 - 4 cups oatmeal
 - 1/2 cup oil
 - 2 cups milk
 - 2 teaspoons soda
 - 1 cup brown sugar
 - 2 teaspoons cinnamon
 - 1 teaspoon salt
 - 1 cup raisins

Mix all ingredients and drop onto cookie sheets. Bake in hot oven (400 to 450 degrees). Can be crumbled in your bowl and used like granenuts.

- Millie Conger, Tecumseh:
- ### STRAWBERRY CHEESECAKE PARFAITS

- 8-ounce package cream cheese
- 1/4 cup sugar
- 1/4 cup milk
- 2 cups strawberries, hulled & halved
- 1 cup crumbled graham crackers

Combine cream cheese, sugar and milk in bowl. With mixer beat until smooth and fluffy. Arrange 6 glasses (8 1/2 ounces each). Layer with a few strawberries, about 2 tablespoons cream cheese mixture and 2 tablespoons graham crackers. Repeat each container. End with crackers on top.

Lucille Wohler, Clay Center:

- ### HEAVENLY HASH SALAD
- 1 can evaporated milk
 - 1 can cherry pie filling
 - 1 large can crushed pineapple, drained
 - 1 medium-size Cool Whip
 - Mix evaporated milk, pineapple and pie filling. Fold in Cool Whip and chill.

Barbara Barthol, Olathe: "These are good with or without ice cream!"

- ### NUTTY PEACH CRISP
- 29-ounce can sliced peaches with syrup
 - 1 package butterbrickle cake mix
 - 1/2 cup melted margarine
 - 1 cup flaked coconut
 - 1 cup chopped pecans

Layer ingredients in order listed in a 9-by-13-inch pan. Bake at 350 degrees for 55 to 60 minutes. Let stand 15 minutes before serving.

- Mary Rogers, Topeka:
- ### BUFFALO CHICKEN SALAD
- 2 cups cooked shredded chicken
 - 1/2 cup mayonnaise
 - 1 tablespoon hot sauce
 - 1/4 cup chopped celery
 - 1/4 cup shredded carrots
 - 1 tablespoon dry Ranch seasoning

Combine all ingredients. Chill about 30 minutes before serving.

- Julie Darsow, Chapman:
- ### ASPARAGUS & CHICKEN
- 1 1/2 cups water
 - 1 tablespoon chicken bouillon granules

- 2 tablespoons balsamic vinaigrette dressing
- 2 tablespoons lemon juice
- 1 can cream of celery soup
- 4 tablespoons flour
- 1 small onion, sliced
- Olive oil
- 3 chicken breasts
- 1/3 cup bacon crumbs
- 1 small can mushrooms
- Fresh asparagus

For the sauce, whisk together water, bouillon granules, dressing, lemon juice, soup and flour. Fry the sliced onion in olive oil along with the chicken breasts in a large frying pan or electric skillet. After chicken is browned add bacon crumbs and mushrooms. Add fresh asparagus that has been cut into 1- to 2-inch pieces. Pour the sauce on top and simmer for 30 minutes.

Kellee George, Lawrence:

- ### SCRAMBLE HASH BROWN PIZZA
- 4 cups shredded hash brown potatoes
 - 2 tablespoons butter, melted
 - 4 eggs
 - 1/3 cup finely chopped red onion
 - 1/3 cup finely chopped red pepper
 - 6.67-ounce package shredded smoky bacon Cheddar cheese

Heat oven to 450 degrees. Spread potatoes onto bottom of 12-inch pizza pan sprayed with cooking spray, drizzle with butter. Bake 30 minutes or until lightly browned. After 25 minutes cook eggs in skillet about 3-5 minutes or until set, stirring occasionally. Spread eggs over potatoes then top with remaining ingredients. Bake 5-7 minutes or until cheese is melted.

RECIPE REQUEST

A G&G area cook has requested recipes which are GLUTEN-FREE and also some not using hard seeded fruits (no cherries, avocados, peaches, mangoes, apricots or nectarines).

Please send recipes to: Woman's Page Editor, Grass & Grain, Box 1009, Manhattan, KS 66505. OR email to: auctions@agpress.com

Five Tips To Shake Up Your Everyday Chicken Dinner

(NAPS) — While it can be easy to get stuck in a rut with family meal options, especially as schedules get hectic and you don't have much time to plan ahead, there are easy ways to shake up your next chicken dinner and excite everyone's taste buds.

Opt for bold flavors — Chicken is America's favorite way to enjoy protein — and for good reason. Not only is chicken high in protein, but it can be seasoned in so many ways. Spice up your next chicken dinner with worldly and exotic flavors, such as chipotle adobo, Jamaican spices or sweet chili.

Get the kids involved — Food prep is a great kitchen activity to bring together the whole family, even the little ones. Reach for food kits that contain the ingredients for less mess. One example is Gold'n Plump Shakers, which are ready in just three, kid-friendly steps. Pour the fresh chicken breast pieces and pre-seasoned breadcrumbs into the provided bag, shake to coat, and then bake.

Look for quick and easy food products — Studies show that many home cooks, particularly millennials, plan last-minute meals. Reach for convenient foods at the grocery stores to aid in the enjoyment of cooking at home. In half an hour or less, you can make a tasty chicken meal; just pair freshly baked chicken with a bag of romaine salad and a bottle of Caesar dressing.

Add pizzazz to your dinner plate — It's all about presentation. Add a little sparkle to the everyday by topping your finished meal with fresh herbs such as parsley. Or create a chicken taco bar with an assortment of toppings so your family members can make their own tacos based on personal preferences.

Choose wholesome chicken — According to a Chicken Labels Insights Study from Gold'n Plump Shakers, 36 percent of shoppers say no antibiotics ever is important to them when buying chick-

en and humanely raised means higher quality for nearly 32 percent of shoppers. They may be pleased to know that Gold'n Plump chicken follows animal welfare standards and is humanely raised with no antibiotics ever and no added solution, preservatives or artificial flavors.

Finally, you can shake up your everyday with this recipe that is ready in under 30 minutes, start to finish.



Chipotle Chicken Tacos Serves 4

- 20-ounce package Gold'n Plump® Shakers chicken breast pieces with chipotle adobo seasoned bread-crumbs
- (8) 4-inch soft or hard taco shells
- 2 cups shredded red cabbage
- 1 cup chopped tomatoes
- 1/4 cup sliced green onions
- 1 cup shredded Mexican cheese blend
- Crema Sauce:
 - 1/4 cup sour cream
 - 1/4 cup Greek yogurt
- Juice from 1 lime, about 2 tablespoons
- Zest from 1 lime, about 1 teaspoon
- 1 tablespoon of adobo sauce from a can of chipotle peppers in adobo sauce

Bake Gold'n Plump Shakers per directions on the package. Whisk together sauce ingredients in a small bowl or measuring cup. To assemble tacos, spoon cabbage and tomatoes onto each shell. Top with chicken, sliced green onions, cheese and chipotle lime crema. Note: You can use sour cream in place of the crema. Also, sprinkle tacos with chopped cilantro if desired.

The chicken kits are available in five bold flavors: Savory, Sweet Chili, Jamaican, Honey BBQ, and Chipotle Adobo. Find more flavorful recipes at www.GoldnPlump.com.

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2. Be sure your name, address

and phone number are on the entry. Please include a street address with your recipe entries. A post office box number is not sufficient for prize delivery. Allow 3-4 weeks for delivery.

3. Send it to: Woman's Page Editor, Grass & Grain, Box 1009, Manhattan, KS 66505.

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Home and Away

Catching up with old friends

By Lou Ann Thomas

When you get to the age that you're researching Medicare options, doing the math to determine when you might be able to retire, and you make that old person's sound when rising off the couch, you, if you're lucky, have friendships with some longevity to them.

What a treat to sit across the table from an old friend who has known you since childhood. There is nothing as warm and comfortable as easy conversation with someone with whom you may speak openly and freely without fear of judgment. You know that even if they believe you are a bit off the beam, they won't hold it against you because they already know about your flaws, flakes and peccadilloes.

Last week I had the opportunity to reconnect with an old high school classmate. Roy and I hadn't seen each other since graduation. Through the years he noticed some of my writing here and there and I followed him through some of his amazing travels and good works, but we hadn't talked for close to 50 years.

Actually, I'm not sure if we ever really talked. I was very self-conscious in high school and my low self-esteem and social awkwardness kept me imprisoned in doubt as to my worth and worthiness. Now that I think

about it, I'm not sure I ever had real conversations with anyone in high school. Most of my time as a teenager was spent thinking about myself and ruminating on my own insecurities, rather than truly opening up and sharing a lively volley of ideas, beliefs and philosophies.

But when Roy and I sat down for lunch we lapsed into an easy, flowing conversation immediately. I was quickly reminded of Roy's lively sense of humor and strength of self and soon discovered we had much more in common than just having attended the same high school. I was relieved that now, at this age, I could relax, be present and simply enjoy the time spent in such interesting company.

There is a real gift to sharing time and good conversation with someone who witnessed the most awkward time of your life. They, possibly more than anyone else, know from where you began. After all, when you've been teenagers together you've pretty much seen each other at your worst and so can appreciate how far you each have come and some of the hurdles you had to overcome.

That doesn't mean old friends have forgotten how goofy you were. It just means you probably remember enough stories about them to keep them from telling on you.

What Is Going In Your Trash? Food Tossed is Money Lost

By Barbara L. Ames
Wildcat District Extension Family and Consumer Sciences Agent

What is going into your trash? Per the United States Department of Agriculture, USDA, about 40 percent of the United States food supply (1,500 calories/person/day) goes uneaten. Discarded food in homes and foodservice accounts for 60 percent of this total food loss and is mostly avoidable. The remaining portion is lost or wasted during food production.

Preventing food waste saves money and resources. Resources used to produce uneaten food include: 30 percent of fertilizer, 31 percent of cropland, 25 percent of total fresh water consumption and 2 percent of total energy consumption.

As our population grows and feeding the world becomes more difficult, developing habits to save more of the food we already have will put less strain on the resources associated with producing and buying food. Reducing food waste will result in money saved for families to use for other needs.

Alice Henneman, Extension Educator at University of Nebraska Lincoln, offers these suggestions to help consumers reduce the amount of food wasted.

1. Shop the refrigerator before going to the store. Use food at home before buying more. Designate one meal weekly

as a "use-it-up" meal.

2. Move older food products to the front of the fridge/cupboard/freezer and just-purchased ones to the back. This makes it more likely foods will be consumed before they go bad.

3. Keep your refrigerator at 40°F or below to prolong the life of foods. Foods frozen at 0°F or lower will remain safe indefinitely but the quality will go down over time.

4. Freeze or can surplus fresh produce using safe, up-to-date food preservation methods. Visit the National Center for Home Food Preservation website (<http://nchfp.uga.edu>) for freezing and canning instructions.

5. Take restaurant leftovers home and refrigerate within two hours of being served. Eat within three to four days or freeze. Ask for a take-home container at the beginning of the meal if portions look especially large. Remove take home food from your plate at the beginning of the meal so leftovers are as appetizing as the original meal ... rather than the picked-over remains. Or, choose a smaller size and/or split a dish with a dining companion.

6. Dish up reasonable amounts of food at a buffet and go back for more if still hungry.

7. Compost food scraps for use in the garden. Visit Nebraska Extension for direction on creating compost for your garden (www.ianrpubs.unl.edu/

sendIt@g2222.pdf).

8. Check product dates on foods. The United States Department of Agriculture/Food Safety and Inspection Service (USDA/FSIS) defines them as:

- A "Sell-By" date tells the store how long to display the product for sale. You should buy the product before the date expires.

- A "Best if Used By (or Before)" date is recommended for best flavor or quality. It is not a purchase or safety date.

- A "Use-By" date is the last date recommended for the use of the product while at peak quality. The date has been determined by the manufacturer of the product. Do not buy or use baby formula after its "use-by" date.

9. Buy misshapen fruits and vegetables at farmers' markets and elsewhere. They taste just as good and are just as nutritious as those with a "perfect" shape, but are more likely to get thrown away.

10. If you have several foods that might go to waste at the same time, try adding them to such adaptable recipes as salads, soups, pasta and casseroles.

11. Rather than buy a food for use in only one recipe, check if there might be a suitable substitute already in the home. The Cook's The-

saurus website (<http://foodsubs.com>) gives thousands of ingredient substitutions.

Find more about reducing food waste at: <http://food.unl.edu/14-ways-consumers-can-reduce-food-waste>, or <https://www.choosemyplate.gov/lets-talk-trash#>.

For more information about this topic or other topics, contact the Wildcat Extension District offices at: Crawford County, 620-724-8233; Labette County, 620-784-5337; Montgomery County, 620-331-2690; Pittsburg Office, Expanded Food and Nutrition Education (EFNEP), 620-232-1930. Wildcat District Extension is on the Web at <http://www.wildcatdistrict.ksu.edu>. Or, like our Facebook page at [facebook.com/wildcat.extension.district](https://www.facebook.com/wildcat.extension.district).

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Defining Clean Eating

Lots of conflicting information about eating healthy can leave anyone confused. So the American Heart Association is trying to help clear the confusion.

To start, eat lots of fruits, vegetables and whole grains. This is a common message from many healthy organizations and educators. Lean meats, low-fat and non-fat dairy, beans and legumes, nuts and seeds are also beneficial.

A healthy, clean diet can also include frozen, canned, and dried foods. Select low-sodium canned foods and fruits canned in water or 100% juice. Choose frozen and dried foods without added salt or sodium.

Some say to avoid the middle aisles of the grocery store. The truth is many foods in the middle aisles can be a part of a healthy diet.

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KFB issues statement on Estes win in 4th District

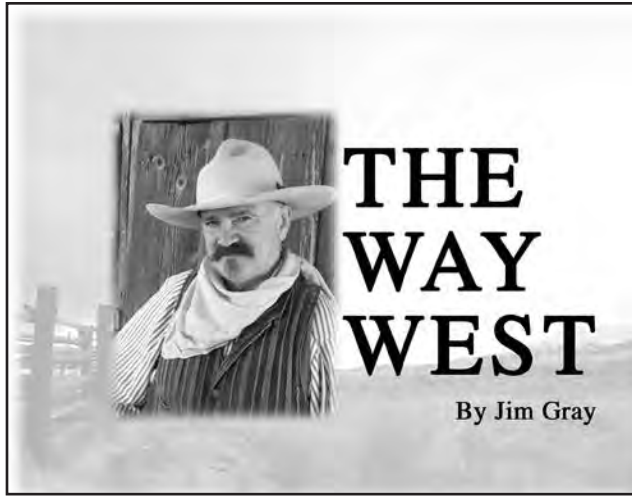
Kansas Farm Bureau president Rich Felts issued the following statement concerning the win by Ron Estes in the special election held for the congressional seat left open when Mike Pompeo became CIA Director in the Trump administration.

"The farmers and ranchers of Kansas Farm Bureau congratulate Ron Estes on his win in the 4th District congressional race.

Rural voters decided this race. We applaud these voters for turning out and making a difference.

We look forward to working with Kansas' newest congressman in D.C. as our members continue to battle tough economic challenges and regulatory overreach. As work begins on the next farm bill, we look forward to having Ron's knowledge and expertise on the side of Kansas farmers and ranchers.

Ron's background, education, public service and industry experience have prepared him well and we know he will do a great job representing the 4th Congressional District."



Manning's Peak

The great cattle trail known as the Chisholm Trail was a natural pathway that had actually been followed by early Plains Indians long before Jesse Chisholm's wagons cut a well-defined trail into Indian Territory. Chisholm's greatest contribution to the trail was his unerring ability to adjust the route to good creek and river crossings that could accommodate regular wagon traffic. Bluff Creek Crossing south of Caldwell was one of those dependable crossings. Trail outfits marked their arrival in Kansas by the crossing at Bluff Creek. The country to the south was a part of Indian Territory known as the Cherokee Outlet. Texas drovers began to use the crossing on Chisholm's Trail as they passed northward on their way to Abilene, Kansas in 1867.

In 1869 an enterprising fellow by the name of Curly

Marshall built a log saloon just north of Bluff Creek. They say location is everything and Curly had found the perfect location to peddle whiskey. It being against the law to sell liquor in Indian Territory, Marshall's saloon was the first opportunity a cowboy had to wet his whistle after he crossed out of Texas at Red River. Marshall promptly erected a sign which read to cowboys coming north "The First Chance," and to those going south "The Last Chance."

Early in 1871 Wichita businessmen Charlie Stone and Jim Dagner staked off lots for the new town of Caldwell. Buildings began to accumulate about 1 mile north of the First Chance-Last Chance and with the buildings came blood in the streets. A drummer by the name of George Peas was gunned down on July 2, 1871. In 1872 Doc Anderson was killed while clerking in the J. M. Thomas store and a gunfight resulted in the death of a man by the name of Fiedler.

George Freeman wrote an account of early Caldwell in the book *Midnight and Noonday*. Freeman set-

tled on a piece of land one and a half miles west of Caldwell and was witness to the wild and woolly nature of its early days. According to Freeman, Caldwell's location made it a natural resort for desperadoes and thieves. Freeman noted that, "It has been said that on those conditions, the crowded cities of Emporia, Newton, and Wichita gave up their most reckless citizens to make up a band of rustlers, horse thieves and bad characters to populate Caldwell."

In February of 1872 Freeman discovered that one of his horses was missing. Thinking it would stray toward the watered valley of Bluff Creek, he saddled up and rode south, coming to the dugout home of a man by the name of Epps. Epps had not seen the horse and after some small talk Freeman continued east along Bluff Creek.

About two hundred yards beyond the Epps place Freeman met a Texas cowboy by the name of William Manning. Freeman hailed the cowboy in a friendly manner but found him "not very cordial." Freeman continued on his way, "and had only gone a short distance when I heard the report of a gun, in the direction of Epps' dugout."

Freeman had no way of knowing a confrontation was about to take place. Manning and two brothers had spent the 1871-1872 winter grazing cattle along Bluff Creek. Epps had spent the previous summer and fall cutting and stacking the tall prairie grass along the creek according to an arrangement made with the Mannings. "It seems they could not agree on a set-

tlement, each getting angry about it." The last time they argued the threat was made to "shoot on sight...the one getting the lucky shot would be the most fortunate, as far as his life was concerned, at least." Epps took the threat to heart and acted upon it.

Riding hard back to Epps' dugout, Freeman found Manning lying dead with Epps still standing over him in the doorway. At the time, Sumner City, a town north of Caldwell, also on the Chisholm Trail, was vying for the county seat. Epps fled to Sumner City and gave himself up to authorities.

The surviving Manning brothers collected their brother's body, and not wanting to bury him in Kansas soil, buried him on the high ridge overlooking the south bank of Bluff Creek in Indian Territory. The high bluff acquired the name of Manning's Peak. But the Manning brothers had made the common error of identifying Bluff Creek with the Kansas border. In reality, the border was approximately one half mile south of William Manning's grave.

The mistake was not realized right away. Back home in Texas the Manning brothers learned that their brother was actually lying in Kansas. That would not do. They returned, exhumed their brother's body and took him away from the land of confusing borders 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

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“Dr. Livingstone, I presume?”

Noted explorer Henry Morton Stanley uttered these words in 1871. He had undertaken an expedition

to relieve Dr. David Livingstone, who was searching for the source of the Nile. Livingstone had not been heard from since his departure in 1866.

Stanley’s exploration was financed by the *New York Herald*. It might have been high adventure but it was grueling travel. During the 700-mile trek through the tropical forest, his thoroughbred stallion died within a few days after a bite from a tsetse fly, many of his porters deserted, and the rest were decimated by tropical diseases.

Nonetheless, Stanley found Livingstone in November of 1871 in present-day Tanzania, and the two entered the realm of legend.

Stanley was already

fairly well-known in America, having made a name for himself as a journalist during the heyday of newspapers.

Only four years before his famed excursion to Africa, Stanley had found himself in another landscape, the vast and dangerous high plains of Kansas. A veteran reporter, he spent considerable time on the Plains covering military operations.

In 1867, Stanley was a correspondent for the *Missouri Democrat Newspaper* in St. Louis assigned to cover the Medicine Lodge Peace Treaty. There was, in fact,

a true press corps covering the event. Of particular note is this encounter with the Kiowa chief, Satanta:

“A number of Indians walked in, led by the redoubtable Satanta himself... Satanta seemed beside himself with joy on recognizing your correspondent, and gave him a gigantic bear’s hug...other members of the press...looked upon him with some awe, having heard so much of his ferocity and boldness.”

Stanley’s reports are an important piece of this momentous gathering. His exploits made him a house-

hold name throughout the world.

But next time you hear the words “Dr. Livingstone, I presume?” you might mention that before he met Livingstone he met Satanta, of the Kiowa Nation, and that Satanta gave him a bear hug. There is no mention that Dr. Livingstone was as glad to see him.

Deb Goodrich is the cohost of the Around Kansas TV show, and the author of The Civil War in Kansas: Ten Years of Turmoil (with foreword by General Richard Myers). She may be contacted at author.debgoodrich@gmail.com.

Wild sunflowers provide resilient diversity

Beauty and utility in one bright package, sunflowers are one of just a few commercial crops with origins in the United States.

Today, sunflowers are grown in more than 70 countries. The value of the global sunflower crop is estimated to be over \$20 billion.

But the world’s fifth-largest oilseed crop is facing a genetic challenge. As sunflowers were domesticated, breeders selected traits such as higher yield and uniform height. Over time, other desirable traits, like resistance to specific pests, were lost. Annually, diseases, weeds, and insects are estimated to cause more than \$1.3 billion in losses for sunflower growers.

One way plant breeders can reduce the vulnerability of crops is to breed them with wild relatives. The U.S. Department of Agriculture maintains the world’s largest collection of

sunflower wild relatives. A recent study outlines the importance of better annotating the wealth of genetic information in this enormous collection.

“Think of crop wild relatives as the ‘ancestry’ of the crop,” says Gerald Seiler, a USDA researcher and lead author of the study. “It’s like family genealogy, but for plants we have the ability to preserve the ‘ancestors’ in collections for current and future use.”

These wild relatives are vital resources for plant breeders. In the wild, species co-evolve with native diseases and insects. They adapt to face different environmental stresses, such as drought. Wild plants retain the genes needed to resist pests and survive in different environments.

“Crop wild relatives are an integral part of the sunflower industry,” says Seiler. “They provide traits from wild ancestors. These

traits can sustain the crop’s productivity, which is constantly being challenged by pests and the environment.”

Researchers can breed varieties of crop sunflower with wild relatives. They can then select hybrid plants with desired traits, such as disease resistance. But as global populations expand and land use patterns change, several sunflower relatives may face extinction. That makes it crucial that researchers preserve them while they are still available.

But simply preserving the wild relatives is not enough. To make the best use of the collections, researchers need detailed information about their genetic diversity. “Having readily available information about multiple genetic traits in the collections is vital,” says Seiler. “It provides opportunities for researchers to be proactive,

instead of reactive.”

Researchers have actively used sunflower wild relatives in many ways. They have developed cultivated varieties resistant to diseases such as powdery mildew and sunflower rust. Breeders can also create varieties of sunflower that will grow in adverse conditions.

According to Seiler, new techniques in genetics and molecular biology make it vital to know more about the genetic diversity in wild relative collections. “This genetic information and the new molecular tools can help tremendously,” he says. “We can become more efficient and precise in how we select for specific traits. We can also improve how we transfer genes into crop varieties.”

Sunflower ranks fifth among crops important for global food security in the use of traits from wild relatives. Researchers estimate

that the wild relatives contribute between \$267 and \$384 million annually towards the value of the global sunflower crop.

“Maintaining genetic diversity is the key to sustainable agriculture,” says Seiler. “That’s vital to feeding the ever-increasing world population.” Disease agents and pests are continuously evolving. Research-

ers will need the help of wild relatives to develop new varieties of sunflower that can thrive in an ever-changing world.

“Sunflower relatives in our collection are ready for whatever challenges sunflower production might face, now and in the future,” says Seiler.

Read more about Seiler’s research in *Crop Science*.

Prepare for disease outbreaks in livestock operations with written plan

A written plan to respond to disease outbreaks for your livestock operation is like insurance. You hope you never need it. You may never need it. But if there is an outbreak, the economic survival of your livestock operation might depend on having that plan.

Planning and prevention are the best insurance against an outbreak, says University of Missouri Extension economist Ray Massey.

Disease in a livestock operation spreads quickly. Animal and economic losses can be catastrophic. The Iowa Farm Bureau Federa-

tion estimated losses in that state from a 2015 avian flu outbreak at \$1.2 billion, including 8,400 lost jobs. Some economists estimated the loss at triple that. “These are big dollars,” Massey says.

When viruses such as avian flu or PEDV strike, livestock operations lose productivity for about six months, Massey says. “This means that the livestock operator might be without income. Animals have died or been quarantined.”

Worse yet, operators may incur extra expenses for veterinary bills, installation of new biosecurity systems,

composting dead animals and carcass removal.

If you need a line of credit during this period, a written disease-outbreak plan helps present your case to the bank for a loan extension or new loan. “Have a plan for the worst-case scenario,” Massey says. “The plan tells your banker that you want to stay in business. The bank is more likely to see you as a wise businessman who has shown foresight.”

The best plan of action against disease outbreaks continues to be everyday prevention and preparedness, Massey says. Howev-

er, when disease strikes, be ready with a written plan.

Massey recently spoke at a series of biosecurity workshops on how to prevent and respond to disease outbreaks. MU Extension and partners sponsored the workshops.

For more information, contact your local MU Extension center or search online at extension.missouri.edu.

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AUCTION

SATURDAY, APRIL 22 — 10:00 AM
** Rain Date: Saturday, April 29. Call if Questionable. **
LOCATION: 17601 206th St. — TONGANOXIE, KANSAS
Directions: From State Ave & 206th St, go South 1.4 miles to auction. Watch for Signs

TRACTOR
Massey Ferguson 1540, 4wa, 40 hp w/1525 MF Loader, 3 pt hitch w/Pats quick hitch & ROPS

FARM EQUIPMENT
6' blade, 3pt.; 5' Brush mower, 3pt.; 8' Pull type disc; Oliver 720 square baler (used in 2016); John Deere 894 hay rake; John Deere 2 bottom plow; NH 450 sickle mower, 3pt; Leinbach 3 pt post hole 12" auger; Ferguson 2 row cultivator, 3pt; John Deere model H manure spreader; Sitrex seeder, 3pt; Carryall frame, 3pt; Round bale spike, 3pt; Set of bucket forks; 2 section spike tooth harrow; Wooden hay feeder; Priefert Head Chute; 5' metal water tub; Rubber & plastic feed tubs.

HAY
90 small square bales mixed hay.

LAWN EQUIPMENT
Lawnboy 21" push mower; Yardman 5HP shredder/chipper.

TRAILERS
2001 Outlaw 16' flatbed trailer, bumper pull w/ramps; 2005 Sundowner Sunlite Stampede SL, bumper pull, 3 horse slant/stock w/dressing room.

VEHICLES
1997 Ford XLT F150, Ext. Cab 4wd, Triton 5.4L automatic, 123K; 2006 Honda CRV manual transmission (high mileage).

GUNS & ACCESSORIES
Eastern Arms 12 ga single shot gun; Winchester Model 671 22LR single shot rifle; 5 boxes 22 long rifle shells; Hand clay pigeon thrower; Marlin 4 power rifle scope; ATF Regulations Apply, Kansas Residents Only

HORSE EQUIPMENT
2 Orthoflex trail saddles; 1 Australian saddle; Bridles and hackamores; Bits; Halters; Lead ropes; Sheets; 2 Winter blankets; Books.

TOOLS & EQUIPMENT
Sears table saw; Ryobi 10" drill press; DeWalt DW303m reciprocating saw; Air compressor; Pacer water pump w/hoses; 16' aluminum extension ladder; Weed eater; Boomers & chains; Post driver; Bolt cutter; 100' heavy duty extension cord;

ELECTRIC BOX; Misc hand and power tools; Stihl MS290 chain saw; Commander 1/4hp bench grinder; Troy Bilt Pony rear tine tiller; Rigid Chop Saw w/stand.

MISC. & HOUSEHOLD
Cannon ball from Saudi Arabia, Old wood stove, misc. hedge posts, Western Flyer Wagon, concrete blocks, fence posts, wheelbarrow, car ramps, Electric trolling motor, Games, Books, Readers Digest Condensed Books, ice skates, roller skates, Silverware, Assorted dishes, pink dishes, glassware, Salem China dish set, Antique high chair, Sled, Camping items & Cookware, Black cowboy hat 7 1/4, Gloves balls bats, kite, coffee table, Train set, Hassock portable toilet, Antique dry stand, Chess table, Redwood outdoor lounge set, small kitchen appliances, live animal trap, ping pong table, Old Football table, steel shelves, Conley No. 2 Kewpic Camera, fish tank & stand, more misc. too numerous to mention

AUCTIONEERS NOTE: Stan & Carol are selling their home and will be selling the above items to the highest bidder. Early viewing will be Friday, April 21st 9:00 a.m. to 5:00 p.m. View website or Facebook page for pictures.

OWNERS: STAN & CAROL MOYER

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The American Gelbvieh Association (AGA) would like to welcome Tom Strahm to the staff as commercial marketing director.

Strahm is from Sabetha where he lives with his wife, Carrie, and three children, Payton, Elliott, and Vivian.

Strahm has a wealth of beef industry experience, having spent time in several sectors of the industry including cattle procurement and cattle sales as well as in the cow-calf sector. In addition, Strahm also has experience in lending and finance after working as a loan officer for many years.

"I'm looking forward to meeting and supporting the members of the AGA," says Strahm.

The principal goals of the AGA's new Meeting Modern Industry Demands long-range strategic plan directly focus on building demand for Gelbvieh and Balancer® cattle. Strahm's responsibilities will include those principal goals of feeder and commercial female mar-

keting avenues, as well as serving cow-calf producers and the entire beef industry. Strahm will also work with AGA members to assist them in building demand for Gelbvieh and Balancer genetics.

"The Meeting Modern Industry Demands strategic plan is focused on the success of the commercial beef industry. We will need just the right team members to meet the goals of the strategic plan. Tom brings that industry experience we were looking for, with experience in purchasing both feeder and market-ready cattle. He will be able to put this experience to work for our cow-calf producers as well as the feedyards that are feeding Gelbvieh and Balancer cattle," says Myron Edelman, AGA executive director.

Strahm will be based out of his home in Kansas and began his role on March 1, 2017. He can be reached by calling the AGA office at 303-465-2333 or by email at tom@gelbvieh.org.

Fire signals spring in the Flint Hills



While the appearance of daffodils and lilacs may signal the beginning of spring for many, for those in the Flint Hills, the sight of pastures burning, followed quickly by the emerging green grass, is the most tell-tale sign of spring. Recent heavy rains in the area have made conditions for burning safer and many landowners are taking full advantage of the opportunity to burn as many acres as possible.

Photo by Ken Sullivan

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Bath Transformations

Agronomy Feeds the World videos created

Agronomy is the study of crop and soil science – important in delivering food from farm to table. But most people don't know the word. And most agronomists – the scientists working in the field of agronomy – find their complicated jobs hard to explain. That means there is a communication gap, and Nels Hansen wants to help solve it.

Katherine Hernandez is the narrator and "star" of the Reinvest ASA Agronomy Feeds the World relating garden and lawn water use to farm water use. Along with Christian Malwan,

Hansen made a set of videos about agronomy. The series of four videos, "Agronomy Feeds the World," is now available on YouTube. Each short (less than three minutes) video was produced and funded by the American Society of Agronomy (ASA). The four videos are all themed to demonstrate different aspects of agronomy.

"Most people understand food has its beginnings on farms," says Hansen. "But they remain unaware of the science of agronomy and how those engaged in it have worked to align food

production with population growth."

"We wanted to use video to show how agronomists work for a healthy and sustainable standard of food production," says Hansen. He and Malwan are professors at Brigham Young University-Idaho; Hansen is also a member of ASA.

"We knew that the public was very interested about food and gardening topics based on research," says Susan Fisk, director of science communications for ASA. "They were eager for ASA to provide information about certain topics like water management and soil compaction. I'm glad Nels was interested in doing the project, and he and Christian did a great job."

The videos are available for viewing on ASA's You-

Tube channel. Each video starts with families and individuals in familiar places: their kitchens prepping food, at the grocery store and farmers' market buying food, and working in their home gardens. Then the videos show agronomists and growers in the fields managing their production techniques. Each video also includes, on screen, a short definition of agronomists: "Experts in soil and crop management."

"It's our hope that the videos will pique interest and guide people to ask more questions of agronomists," says Hansen.

To view the videos, visit ASA's YouTube site, and the Agronomy Feeds the World playlist: <https://www.youtube.com/playlist?list=PLNfU8X58F>

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West hired to expand TerrAvion presence in Kansas

TerrAvion, which helps farmers take a high-tech approach to improving yield and revenue through the use of best-in-class aerial imagery at a fraction of the cost of any other imagery provider, has announced it has expanded its presence in Kansas, appointing Regional Vice President John West to lead sales in the region.

TerrAvion began providing aerial imagery to farmers in western Kansas in 2016, and the response was overwhelmingly positive. "TerrAvion's imagery lets me understand what's going on in every field, and gives me a look into the future to help solve problems before it is too late. The images makes me more efficient and helps farmers improve their bottom line," explained Steve Soden, chief crop service officer for Servi-Tech (the largest crop consulting and agronomic services company in the U.S.).

Farmer response has been uniformly positive, with every farmer increasing his acreage within the TerrAvion

program in 2017. "Frequent, high-quality aerial imagery provides actionable information to drive profitability," said company founder Robert Morris. "We have terrific partners in Kansas who are helping raise awareness among growers of the benefits of aerial imagery. Grower response has been so positive that we have expanded our coverage zone to include the primary agricultural counties in the region and are thrilled to have John West, a Kansas agricultural veteran, leading our outreach to ensure that all farmers in the region get a chance to realize the benefits of TerrAvion aerial imagery."

TerrAvion provides high-quality, subscription aerial imagery to help growers make their operations more profitable. For example, growers can use TerrAvion imagery to spot plant health issues and irrigation problems so they can take action and avoid adverse impacts to their bottom line. TerrAvion aerial imagery provides a bird's-eye views of the farm,

and allows growers to see things that are impossible to see with their naked eye from the ground. TerrAvion provides images on a regular schedule across the growing season, and delivers the images to growers within 24 hours of the flights. This allows growers to get a comprehensive view of what's happening on their farms in real time, so that they can plan scouting, management activities and interventions with unprecedented accuracy and timeliness. Customers receive aerial plant vigor images, thermal images, custom color maps, underlying data, and histograms from TerrAvion, at far greater detail than any other aerial imagery provider.

TerrAvion is thrilled to have partnerships with Servi-Tech, CHS (the largest agricultural co-op in the U.S.), and approximately 40 other agricultural retail locations and agricultural consultants in Kansas to ensure that farmers can purchase TerrAvion aerial imagery from partners who are intimately

familiar with their farming operations.

West has spent the majority of his career in seed, and always had a strong interest in technology and precision ag. He holds an agronomy degree from Kansas State University, and was most recently with Heartland Co-op. "Before TerrAvion, Kansas growers only had two options for aerial imagery: low quality and outdated satellite images, or expensive and inefficient drones," said West. "TerrAvion is capturing 500,000 acres of high-quality imagery per day, and we can turn around images and data for customers within hours. Kansas distributors and growers have been thrilled with the service because it's helping them spot and resolve issues before yield loss occurs. And I'm so happy to be back on the family farm in North Central Kansas, working with TerrAvion."

To learn more about TerrAvion's services, visit www.terravion.com.

National Cowboy & Western Heritage Museum board of directors elects new members

The Board of Directors at the National Cowboy & Western Heritage Museum announced the appointment of native Kansas resident Lee Reeve to the Associate Board, as well as two additional Associate Board Members and one new Full Board Member.

The National Cowboy Museum's Board of Directors' objective is to oversee and direct management in fulfilling the Museum's mission and purposes. The Museum's business and affairs are managed by its Board of Directors; they also set policy and strategy as well as provide oversight and decision-making guidance.

"We are pleased to welcome Mr. Reeve to the National Cowboy Museum's Associate Board," said Chief Financial Officer and Interim President and CEO Gary Moore. "Lee encompasses the great history and culture of the American West and brings abundant experience, knowledge, and leadership to an ever-evolving Board."

Reeve is currently or has been a director of the Commerce Bank in Garden City, the Garden City Chamber of Commerce, Beef Empire Days, and the Garden City Federal Land Bank. He is a member of the Kansas Livestock Association, where he was chairman of both the Water Council and the Cattle Feeders Council.

Reeve is also a sixth-generation cattleman and holds a degree from Kansas State University in Agriculture Economics. He is the group manager of two integrated family operations: Reeve Cattle Co., Inc., and Reeve Agri Energy. Reeve and his wife Brenda have three children.

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American Agri-Women announce "Ag Day is Every Day" campaign

American Agri-Women (AAW) announces its "Ag Day is Every Day Campaign," and invites farmers, ranchers and consumers to join in and celebrate the fact that everyone is part of agriculture, every day. The campaign is also raising awareness about who produces our nation's abundant food, fiber and energy supply.

American Agri-Women is the nation's largest coalition of farm, ranch and agri-business women. The "Ag Day is Every Day" campaign, or #AgDay365, is inspired by and builds on the important connections made on National Ag Day, which was celebrated in March and organized by the Agriculture Council of America.

"American agriculture is among the best in the world — why not celebrate this fact every day? We want to raise up and connect the voices of those in agriculture with consumers," says Doris Mold, president of American Agri-Women. Mold owns and operates a dairy farm in Wisconsin with her family and is a farm management consultant and educator.

AAW members have already been promoting #AgDay365 on social media, in special events and in personal conversations. AAW recently hosted 100 students on National Ag Day for a "Raising Voices Together" social media event. Other events are being coordinated this year by AAW or by its state and commodity affiliates, such as harvest dinners in the field; state fair activities; social media challenges; connecting with consumers at farmers markets and restaurants; working with urban agriculture efforts, food drives and pollinator projects.

The goal of the campaign is for the #AgDay365 campaign

to continue on, joining forces with commodity groups, advocacy groups and others.

Major inaugural sponsors include Farm Credit, Caterpillar, Bayer Crop Science, and CCI Marketing. Sponsorships for the campaign or special events are still available. Please contact Sue McCrum, pastpresident@americanagriwomen.org, for more information.

Those who are interested in joining the campaign should contact Doris Mold, president@americanagriwomen.org.



Joe Andrews of Andblack Red Angus with one of his bulls at the March 22 Kansas Bull Test in Beloit.

Photo by Shelby Mall

2-DAY AUCTION
SATURDAY, APRIL 22 & SUNDAY, APRIL 23
 Located in Hope, KS. Corner of 4th Ave. & Cedar St.
WATCH FOR SIGNS!
**** SELLING SATURDAY, APRIL 22 — 10:30 AM**
 JD RX95 Mower, Collectibles, Primitives, Household & More!
****SELLING SATURDAY, APRIL 23 — 1:00 PM**
 Antique Furniture, Collectibles, Pottery, Glassware, Bells, Dolls, Baldwin Orgasonic Electric Organ, Banjo, Military
See last week's Grass & Grain for listings & Click on ksallink.com
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 Clerk/Cashier: Bob's Auction Service

FARM EQUIPMENT AUCTION
SATURDAY, APRIL 22 — 10:00 AM
 At the farm located at 1430 Road 40, Madison, KS. Madison is located on Highway 99 South of Emporia, KS.
 (Road 40 is about half way between Olpe and Madison, Ks., on Highway 99. From Highway 99 and Road 40, Go EAST on Road 40-2 1/4 miles to auction site.)
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See last week's Grass & Grain for listings & there are some photos & a more complete list on our website: www.hancockauctionandrealstate.com
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AUCTION
SATURDAY, APRIL 22 — 9:30 AM
 Location: 2051 Kiowa Road, WELLS, KS
 From Hwy. 81 (4 lane) & 106 Int. (mile marker 172) go ESE on Hwy. 106 to Ottawa Co. State Lake continuing E. on Justice Rd. to 200th Rd. turn left and go North to Kiowa Rd., turn R. on Kiowa & go E. to auction site.
FARM TRACTORS & EQUIP., PICKUP TRUCKS, GOOSENECK TRAILERS & ATVs, LIVESTOCK EQUIPMENT & BROME HAY SHOP POWER, HAND TOOLS & MISC.
 Lunch served.
See last week's Grass & Grain for listings & To view the auction bill on the internet in its entirety go to www.wacondatrader.com & www.ksallink.com
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 Sale Conducted By: BACON AUCTION CO.
 Royce K. Bacon, Auctioneer, 785-392-2465

102.41 ± Acres of Kingman County Land
AUCTION
MONDAY, APRIL 24 — 1:30 PM
 Sale Site: NASHVILLE, KS. Community Center
SELLER: TERRY PADFIELD
Legal: 102.41 +/- acre tract in NW 4 of 22-30-10W, Kingman Co. Kansas; **Land Located:** From Nashville KS. 1 mi. S. 1 mi. E. on SW 150 St. or 1/2 mi. E. of Nashville then 1 S. on SW 150th Ave. **Land Descr:** Pasture Land. **Possession:** On closing. **Mineral Rights:** Minerals Sell with the Property. **Wind Rights:** Wind Rights are reserved by the Seller; Any surface damages from wind farm paid to Buyer. **Earnest Money:** \$5,000.00 Down Day of Sale; Balance at Closing; **Taxes:** 2016 Taxes prorated to Day of Closing.
Title Ins: 50% Buyer; 50% Seller, Security 1st Kingman KS. **Closing Fee:** 50% Buyer; 50% Seller;
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AUCTION
SATURDAY, APRIL 29 — 10:00 AM
12779 Headwaters Rd. — HARVEYVILLE, KANSAS
 From K31 at Harveyville go North on Harveyville Rd. 3 mi. to Headwaters Rd. then 2 3/4 mi. West to auction site. OR from Eskridge go East 5 mi. on Eight Mile Rd. to Bodark Rd. then South 3 mi. to Headwaters Rd. then East 1/4 mi. to auction site.
WATCH FOR SIGNS!
ANTIQUE FURNITURE
 Detroit Jewel gas stove; 2 kitchen cabinets; L Ricca upright piano; Union Loom #36; Ad-A-Harness loom #35; wood wardrobe; china secretary; cedar chest; wainscot cabinet; library table; CI base ottoman & bench; vanity w/mirror; rocker; oak & walnut cabinets; wood cribs; high chair; love seat; cedar chest; lg. toy chest; White rotary sewing machine w/case; piano bench; quilt racks; kit table w/drawers; glass table lamps; floor & table lamps inc. CI base; jewelry cabinet; night stand; walnut fern table; fern tables; organ stool; dressers; chests; blonde bookcases; kit table w/slide out leaves; **child's art easel; rocker; baby quilt & comforter.**
ANTIQUES, COLLECTIBLES & GLASSWARE
 Lionel train set w/engines, caboose, coal car, crane, flat car, track, many extras; Continental Stork scales; Penn Scale MFG produce scale; Hanson 30 lb. nursery scale; CI squirrel door stop; Bid Bird 3-D camera toy; CI trick pony bank; metal toys; Curious George music box; wood crates; metal lyre music stand; hay boxes & old hats; Overseas radio; wood yard spooler; many LP albums; microscope 100-200-300x w/
 box; metal Cello hot water bottle; many boxes **pink Depression**; many pcs. glassware; many pcs. **pottery**; pottery tools & supplies; pottery stamps; **All-craft 8/8E kiln 110V.**
DOLLS & DOLL MISC. APPLIANCES, FURNITURE & MISC. HOUSEHOLD
 Frigidaire Gallery series built in wall oven NEW chest freezer; dorm refrigerator; entertainment center; raising coffee table; 2 person sauna; Fire King safe; The Sun Box light; Gemlab Cabber rock polisher; The Singing Machine karaoke machine; wood stove vacuum; camera tripod; 4 whiskey barrel chairs.
TOOLS, SHOP ITEMS, HORSE ITEMS
 Agri Fab lawn vacuum HD 1000 mow-vac; Craftsman 10" compound miter saw & table top router; 15 gal. Femco spot sprayer tank & pump; Waterloo tool cabinet; 2 gal. hand sprayer; end wrenches & ratchets; 1/2" drive impact wrench; 2 woodworking vises; 4 furniture clamps; plumb broadhead ax; metal tackle & tool boxes; hand & meat saws; shop roller stand; lawn thatcher; misc. shop and lawn tools; 2 wheel pony cart; 3 Western saddles; race saddle; misc. tack; (5) 28" trusses; (40) 24" metal siding or roofing perflins.
NOTE: Many items not seen. Sure to be some surprises and unusual items. Come join us for a day of fun. MAY RUN 2 RINGS, so come prepared! Concessions by Barb Hewes. VISIT www.kansasauctions.net for pictures & full listing.
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ON THE EDGE OF COMMON SENSE

Pick It Out

The newspaper photo showed them leaning into the harmony like four caroling coyotes! The caption named the pickers and said they were members of a new country singing group. It announced that they would be

playing at the Dairy Queen on Thursday. The owner explained that the Troubadours would be appearing at the restaurant for a while, playing for hamburgers and exposure.

It ain't easy to get into

show business! It's a long way from Monte Vista, Yreka or Blue Earth to Nashville.

Music has always been a part of my life. My family emigrated to Oklahoma from Texas. Grandpa played his kids. I've been seconding good musicians as long as I can remember.

And it's still goin' on! I married into a nest of Okies who play the same good music I grew up on. They sing and play and let me hammer and pound along behind 'em. I've never really minded playin' second

fiddle. You can't be good at everything. But there was a time when I shined!

Workin' cows in the fall is somethin' I've always enjoyed. Some of these ranches I worked were a hundred miles from a K-Mart! It might take several days to preg check 2,000 head so when I showed up I'd take my guitar. There weren't VCR's and satellite dishes in the old days. I was a welcome diversion.

After a day's work we'd clean up, have supper and then make music and tell stories in the cookhouse.

Sometimes there'd be a cowboy who could sing or a day work uranium miner who played the mandolin. We had a high ol' time every night!

Nowadays I've gotten to know folks like Ed Bruce, Red Steagall, Michael Martin Murphey, Charlie Daniels, Reba McEntire, Larry Gatlin, Riders in the Sky, Moe Bandy, Vince Gill, Chris LeDoux and others, not quite so famous but just as talented. I admire their ability but I don't envy it. Even if I'd had a portion of their gift and ambition, I

suspect I'd still be playin' at the Starlite Inn in Idaho Falls six nights a week.

I'd have spent my life chasin' fame instead of chasin' cows. And I'd have missed all those nights singin' in the cookhouse to a bunch of cowboys starved for entertainment.

I'd probably belong to a group that hadn't named ourselves yet. One seeking a new identity at every engagement. A side man, at the Trailer Court Christmas Concerto. Strummin' rhythm guitar with Pinto and the Play for Food Band.

Researchers compare nutrient uptake in modern and historic wheat varieties

By Hannah Schlapp,
Kansas Wheat

Communications intern

As the times change, so does the wheat crop and the practices needed to help it thrive. What may have been cutting-edge management for wheat twenty years ago could be vastly outdated due to today's technological advancements. Thankfully, Romulo Lollato, Kansas State University wheat and forages extension agronomist; Allan Fritz, wheat breeder in KSU's agronomy department; and Dorivar Ruiz Diaz, KSU associate professor and nutrient management specialist in agronomy, have started a study to help Kansas farmers maintain budget-friendly cutting-edge nutrition management practices. This research will help determine whether modern varieties differ in their nutrient uptake compared to historic varieties, while also vet-

ting two separate nutrient management programs. Interest in this research was sparked due to the rise in yields throughout the past generations.

"Some previous studies have shown that wheat breeding here in Kansas and many other regions of the world has increased the potential yields of wheat varieties with every released generation, and it will likely continue to increase with generations to come," said Lollato, who is leading this research project. "However, we don't know if we're indirectly switching when and how much plants need to uptake their nitrogen or any other nutrients they need, and how varieties partition those nutrients within the plant into leaves, stem and grain."

Because the nutrient uptake process is critical for fertilizer application, this research will help Lollato and his team determine

what type of nutrient management practices farmers should be using for current wheat varieties. However, this means that they need to first know the timing of the nutrient uptake and nutrient translocation in modern wheat varieties in order to make accurate recommendations.

"Most of our recommendations were developed in the 1980s, for the varieties widely used back then. Now, for today's modern wheat varieties, we want to figure out if the wheat has increased the need for nutrients and if we should be applying more. Or maybe it's using nutrients more efficiently, and maybe we should be applying less. But, we don't know. We don't have that data yet," says Lollato.

When the data is analyzed, the research team will also know the most efficient timing and the correct rate for nutrient application so they can make up-to-date

application recommendations. At the conclusion of the study, researchers will have a more accurate set of recommendations for nutrient applications, something that may save farmers money towards their input costs.

The research started in July 2016, so at this point, there are no absolute results. The study will put both modern and historic varieties through two different nutrient fertilization programs.

The first program is called "common practice," a top-dress nitrogen application during Feekes GS stages 4-5. The second program involves a "balanced nutrition" where researchers take K-State's recommendations for maximum yield, based off soil test recommendations. Researchers are using nine varieties from different generations (from 1920s releases like Turkey Red, until modern

releases such as "Larry") and putting them through the balanced nutrition program and through the common practice program to maintain consistency and accurate comparisons.

The team will also be sampling the biomass from each plot throughout the growing season and sending it to the KSU Soil Fertility Laboratory for nutrient concentration analysis. Once the data is collected, they will be able to determine the micro- and macronutrient concentration and partitioning between the leaves, stems and grain. Once the crop has reached harvest maturity, yield and yield components will be mea-

sured. Comparisons will be made among varieties between the fertilization practices that were used.

Funding for this research has been provided by Kansas wheat farmers through the Kansas Wheat Commission's two penny wheat assessment. The completion of this research will benefit the farmers in more ways than one.

"After completing the research, if we do find out there's been a shift in timing of nutrient uptake and partitioning, as well as nutrient amount, ultimately we can improve our management recommendations so the crop will be more successful," Lollato says.

Merck Animal Health aids areas impacted by wildfires

In the wake of the devastation recently caused by the wildfires in Texas, Oklahoma, Kansas and Colorado, Merck Animal Health has announced it will donate \$20,000 to help support communities impacted by the fires. The Kansas Livestock Foundation, Oklahoma Cattlemen's Foundation, the Working Ranch Cowboys Association (Texas) and Colorado Farm Bureau Foundation Disaster Relief Fund will each receive \$5,000 to assist in the recovery and rebuilding efforts.

"For many in these communities, the land and cattle are their livelihood and some have been left with nothing," said Shannon Kellner, associate vice president, Food Animal Business. "These farmers and ranchers are more than just our customers; they are our neighbors and friends."

In addition to the scorched earth and destruction left in the fires' wake are the cattle showing signs of inflammation and upper respiratory tract irritation due to smoke inhalation, both of which have left these cattle stressed and even more susceptible to other significant health issues. Merck Animal Health is shipping much-needed product, Zuprevo™ and Resflor® (florfenicol and flunixin meglumine), to help address the growing health issues in these areas.

"I've been a veterinarian for many years and I've never seen this kind of devastation and incredible impact on the health of the cattle and we're doing everything we can to bring as much support and relief to the producers and veterinarians in this area," said Tim Parks, D.V.M., Merck Animal Health. "This is about doing the right thing for our friends and neighbors and Merck Animal Health has definitely stepped up the plate in their time of need."

Within the four states, the wildfires have impacted countless cattle, devastated hundreds of thousands of acreage, destroyed homes and ranches, and even resulted in some tragic deaths.

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