



Short's book profiles hope, healing after son's accident

By Lucas Shivers

Lisa Short, whose son survived a horrible farm accident near Assaria in 2014, wrote a book to share the full story of tragedy and comeback.

"I wanted to write this book because it was an amazing story," Lisa said. "My granddaughter was only 13 months old when it happened. I wanted her, and others in our family and community, to know the strength and resilience of everyone involved."

The book is titled *Nothing Short of a Miracle: A true story of faith, family, community and perseverance*. It is sold on Amazon or from the family.

Sharing the beauty of how the saga unfolded, Short opens up the previously untold details of her son Zach and his wife Jodi who met at college in 2009, married in September 2012 and started their family with Brynlee a year later.

Zach always knew he wanted to farm. After finishing at Hutchinson Community College, he returned home as a fifth-generation farmer, working closely with his parents, Chris and Lisa, as well as his brother Matt.

"When you get your son back from an accident like that, there is no feeling to compare: It's such a blessing to have your son return after you'd thought you lost him and even be able to resume life and work back on the farm with a strong mind and good attitude," Lisa said.

"He didn't dwell on feeling sorry for himself. He wanted to move forward. We all admired that so much."

Dreaded Day

On Oct. 25, 2014, after a morning of preparing to harvest soybeans then grabbing lunch, Zach returned to the field where he was called on the radio about a potential tractor fire and rushed to the scene.

Trying to quickly get to the fire on the other side of the tractor and grain cart, he grabbed hold of the cart's metal ladder to assist his leap over the hitch where the two pieces of equipment were attached. He was unaware that the auger of the grain cart was caught on a power line.

12,000 volts of electricity coursed through Zach's body, and he was unable to let go until he was knocked off with a plastic shovel.

Requiring CPR, Zach was immediately Life-Flighted to Wichita. From a prolonged coma, coding for nine minutes, surgeries to amputate parts of his legs, multiple surgeries in St. Louis to save



Lisa Short is shown with her self-published book, *Nothing Short of a Miracle*, which chronicles the family's journey of faith and perseverance after her son Zach was critically injured in a farming accident.

Courtesy photos



Now back to working on the farm, Zach is shown with his wife Jodi and daughter Brynlee.

his arm and a month's recovery at University of Kansas Hospital's rehabilitation unit in Kansas City, Zach mounted an amazing comeback.

"It was a story to give other people hope to go through challenges," Lisa said. "It's a powerful testament of God's presence in our lives. It can give others a reason to check in on their faith."

Continuing with physical and occupational therapy, Lisa said the entire affair was worth documenting and not forgetting.

"Zach didn't read the book right away because he didn't initially want to revisit those times and feelings," Lisa said. "But just before I was ready to publish, he read it and learned a few things he hadn't been aware of, saying, 'I knew it was hard on everyone but I didn't realize how hard or how much you all went through until I read this.'"

Profiling the Early Days

Lisa began the book with heartwarming stories of Zach's childhood and early years.

"I started telling the history of the story of Zach," Lisa said. "I told

some of the stories of him growing up on the farm and a little about his personality."

Zach seemed to be accident-prone from toddler years to high school, visiting the local emergency room at the hospital several times.

"It seems like there's always one kid in every family prone to more accidents. He's the one in our family."

Between broken bones, stitches and multiple concussions, Zach visited the emergency room nine times. None of them were farm-related.

"But he just kept going," Lisa said. "We thought the string of bad luck was all over once he graduated high school, like he had outgrown most of it; but then the big one hit with the accident in 2014. It was worse than all of them put together."

Power of Reflection

In looking back on the entire process of writing the book, Lisa noted the ways everything fell into place, even in light of massive tragedy.

"I realized how many times God came through for us," Lisa said. "God put the right people at



The Short family rallied around Zach as he began his long road to recovery.

the right time in the right places."

Seeing the story play out, Lisa felt faith in action.

"It was as if God had orchestrated events to help us," Lisa said. "When I wrote about it, I saw how everything following Zach's accident came together and worked for good."

Changes in Relationships

Lisa's work on the book noted transitions in the family roles as parents, spouses, siblings and more.

"That was something that took time and understanding," Lisa said. "I learned that the relationships changed with so many aspects."

Chris and Lisa witnessed their own transitions in trying to parent, grandparent and love on everyone in their family in personalized ways.

"When tragedy happens in a family, separations sometimes happen," she said. "My husband withdrew, falling into depression because he couldn't fix the problem. He began to go down a bad road for a while."

While Lisa spent weeks away in St. Louis with Zach, Jodi and Brynlee at the hospital, Chris stayed on the farm where he had to keep business going.

"We couldn't see each other like normal, and we grew apart," Lisa said. "Chris was holding in hurt and anger about Zach's situation and all of our circumstances. He and I were not ourselves. But as Zach got better, Chris got better too. He started to mend; as we all did."

It took a couple of years to heal from the post-traumatic stress syndrome for several family members.

"The emotional toll and going through it all together," Lisa said. "writing the book caused me to reflect back, giving me a better understanding of all our family's reactions to the hard times. I was able to move on and forgive more."

Laying it on the Line

The book profiles the deep personal anguish of how to regain peace.

"There are people who left book reviews online, and they mention that I didn't sugarcoat anything," Lisa said. "Readers can relate and feel my heart."

While Zach was in the hospital bed, the book also shows the sidelines.

"Zach was drugged or out of it most times, but I wrote about his wife and my older son, Matt, who is so close to his brother. It was hard for Chris, Matt and also our daughter Kelsey to be away from the hospital with worry, and hard to watch them hurt."

Yet the family was grateful because Zach was

alive. "It was like a year was taken away," she said. "Our daughter had just had her first baby; our first grandson, and with that happy time we missed out on some of those months because of our focus on Zach's healing."

Writing Process

To chronicle the story, Lisa said she felt new levels of healing.

"I carried along my laptop whenever Chris and I took trips together," Lisa said. "The whole time we drove in the pickup, I typed away. As I was putting the story together during those drives, Chris gave me his input about what he thought should be mentioned in the book. I read to him the things I was writing. That led to talking about feelings that we hadn't discussed with each other before. It was very therapeutic to our healing."

It took two years of writing and six months of editing.

"I told myself I wouldn't do any hobbies until my book was complete," Lisa said. "I lost a lot of rest over putting that book together because of the memories that would come to me in my sleep. I couldn't get them off my mind until I wrote them down. The important thing was that I just wanted to tell the story."

Her goal wasn't to make money or sell a huge number of copies. The book is sold mostly by word of mouth.

"I wanted to get it out there to help people," Lisa said. "Sometimes it felt like I'd never finish

it. I'd find something that didn't accurately convey what I wanted to say and I'd rewrite it. Finally it got to the point where I was happy with it. I pushed the publish button, and it was a sense of accomplishment. 'I did it. It's done!'"

Lisa released the book the Saturday before Easter to give a feeling of hope.

"Taking advice from someone who wrote 45 books, I followed her lead and decided to self-publish," Lisa said. "Reading was so popular this spring and summer due to COVID, so it was good timing."

Lasting Messages

The Shorts unveiled new levels of how the accident and recovery affected each of them individually.

"Chris opened up and told me more than I even knew at the time," Lisa said. "He was escaping and hurting so hard. I held on to the fact that when things are hard, it's best to turn to God. You have to keep your mind open and know that what happens will be okay. As awful as it would have been, if Zach didn't make it, we'd find a way to be okay too."

Lisa also wanted to pass along messages of how to take care of yourself and each other in intense times.

"Be there for each other and know that tomorrow isn't promised to anyone," Lisa said. "I have great appreciation for life and all of the daily little things. When you almost lose your son, your eyes open to appreciating all the things you never want to take for granted."

USDA to survey county small grains acreage

The U.S. Department of Agriculture's National Agricultural Statistics Service (NASS) will survey producers in 32 states, including Kansas, for its 2020 small grains County Agricultural Production Survey (CAPS).

The survey will collect information on total acres planted and harvested, and yield and production of small grains crops down to the county level. CAPS will provide the data needed to estimate acreage and production of selected crops such as barley, oats, and wheat in the United States.

"The data provided will help federal and state programs support the farmer," said Doug Bounds, Kansas state statistician. "I hope every producer understands the importance of these data and will take the time to respond if they receive this survey. Producers can lose out when there are no data to determine accurate rates for loans, disaster payments, crop insurance price elections and more. When enough producers do not respond to surveys, NASS is not able to publish data. Without data, agencies such as USDA's Risk Management Agency or Farm Service Agency do not have information on which to base the programs that serve those same producers."

You are encouraged to respond online at usda.gov, or by mail. Alternatively, within the next few weeks NASS representatives will contact selected Kansas growers to arrange telephone interviews to complete the survey.

NASS safeguards the privacy of all respondents and publishes only aggregate data, ensuring that no individual operation or producer can be identified, as required by federal law.

Survey results will be published on the NASS Quick Stats database (<https://quickstats.nass.usda.gov/>) at 2:00 pm Central on Thursday, Dec. 10, 2020. For more information on NASS surveys and reports, call the NASS Northern Plains Regional Field Office at (800) 582-6443.

Insight

KANSAS FARM BUREAU
The Voice of Agriculture

Keeping Perspective in Politics

By Jackie Mundt, Pratt County farmer and rancher
My 35th birthday is this week. Though some women beyond their 20s don't like to share their age, I have no problem admitting it. This birthday feels like the last of my "young person" milestones. I will legally be old enough to run for president of the United States of America. The moment doesn't have the same anticipation of independence that came with acquiring the ability to work, drive, vote or drink. It is an aged and mellow satisfaction, born of the knowledge that I have reached the point where the Founding Fathers believed an individual had enough life experience to be able to lead the country. Like many children,

I dreamed about what it would be like to hold the highest office in the land, but as an adult, the idea actually seems pretty undesirable. The world of politics has become so divisive and cruel. It often feels like watching children in a schoolyard. There is name-calling, he-said/she-said arguments, pouting when you don't get your way, over-reactions to perfectly normal disagreement, no filter of what is polite or helpful, and a strange occurrence where someone who isn't like you becomes a monster. During a campaign season, it seems to become even worse. Between vilifying TV commercials, stacks of hateful postcards and a barrage of social media ads about the al-

leged evils of candidates, you have to have strong armor to weather it all. And don't think this is just at the federal level; I see it in local races too.

The craziest part of this is we do have people who answer the call to serve. In fact, I think most politicians are good people who feel compelled to serve and are trying to do what they think is best. These people endure harsh criticism and try their best to represent the interests of all their constituents, even the ones that just called them evil.

So, as the horrific election season rolls on, I want to say thank you to the individuals at all levels who have raised their hands and are vying to serve as elected officials. I appreciate your willingness to serve despite all the negatives, like experiencing criticism no matter how good you are at the job. My attitude of gratitude is a product of a deeply held belief that you are a person who wants to make the world better. In addition to my heartfelt thanks, I offer a commitment to my fellow Americans who put themselves out there to serve: I will always do my best to be polite and treat you with respect, even if I disagree with you. I will listen openly to the information you share and be willing to provide my opinion and experiences with you in a civil manner. When you make a decision I don't agree with, now or after being elected, I will do my best to temper my disappointment and seek to understand how you arrived at your conclusion. Most importantly, I will continue to look for the best in you not the worst.

"Insight" is a weekly column published by Kansas Farm Bureau, the state's largest farm organization, whose mission is to strengthen agriculture and the lives of Kansans through advocacy, education and service.

Prairie Ponderings

By Donna Sullivan

When Facebook and other social media platforms first came into existence, I don't think anyone ever really imagined the impact they would come to have on our society. What was initially designed as a communication tool for college students now runs through every age group from children to senior citizens. It's a fun way to stay connected with family and friends, and to reconnect with old classmates.

But over time, social media has evolved into so much more, and in my opinion, has completely skewed the way we see the world and how we treat each other. Facebook is often the first place people learn of breaking news stories. Accurate or not, by golly, it's fast. And somehow, right or wrong, it also has credibility with people. We can just check our critical thinking skills at the door and scroll through the posts, believing we can trust them since most are by people we are "friends" with or sources that target us based on the profiles their algorithms create on us.

Then, just like with everything else in the world, corruption crept in. There is such as thing as "trolls" that put false information on social media and make it look as believable as possible. The end result is people believing and spreading inaccurate information and citing dubious sources who do nothing to actually bolster the truth.

But what bothers me even more than the credence given to social media "news," is the way the platform seems to sometimes bring out the ugliest elements of society. Things we would never dream of saying to someone to their face somehow becomes okay to say on social media. Something that initially was a way to connect people

has become yet another way to divide us. Like we needed that.

I've seen so much hate and divisiveness that for a brief time I considered getting off of Facebook altogether. But then I realized that would be allowing hate to win. For me, Facebook has always just been a good way to keep in touch with family and friends near and far. It's fun to watch the antics of their kids and grandkids, as well as the day-to-day happenings in their lives. I don't agree with all my friends politically, but then again, I don't have to. And I don't go to Facebook as a news source, because Facebook. Is. Not. News.

Just like it's easy to make it look like you have a perfect life on social media by only posting the good stuff, it's also possible for social media to make us look like a hopelessly divided, dysfunctional and fractured nation. If the only lens we choose to look through is what social media tells us about ourselves, it would be easy to believe that description. But I'd rather look through the lens of knowing people for who they really are and overlooking our differences to find common ground that we can work from.

Call me an idealist if you want — you won't be the first. Make fun of my rose-colored glasses — I've heard it before. But I prefer to think of them as Grace Glasses — lenses that purposefully look for the good in people and invite them to see the real me — shortcomings and all. If we're real enough and honest enough with each other, I believe we can begin to work through all the issues that seem to divide us. If you agree, feel free to "friend" me on Facebook. I've got some really cute pictures of my grandkids.

Flint Hills Discovery Center extends hours

Effective Tuesday, July 21, the Flint Hills Discovery Center (FHDC) has extended the limited operating hours that were established the end of June.

Hours of operation will be as follows: Tuesday-Saturday 10:00 a.m.-5:00 p.m. and Sunday 12:00 p.m.-5:00 p.m.. The FHDC will continue to be closed to the public on Mondays for routine maintenance and additional cleaning.

FHDC staff have worked diligently to put new safety and cleaning measures into action to make sure guests feel safe and comfortable when they visit. As the FHDC is a high-touch environ-

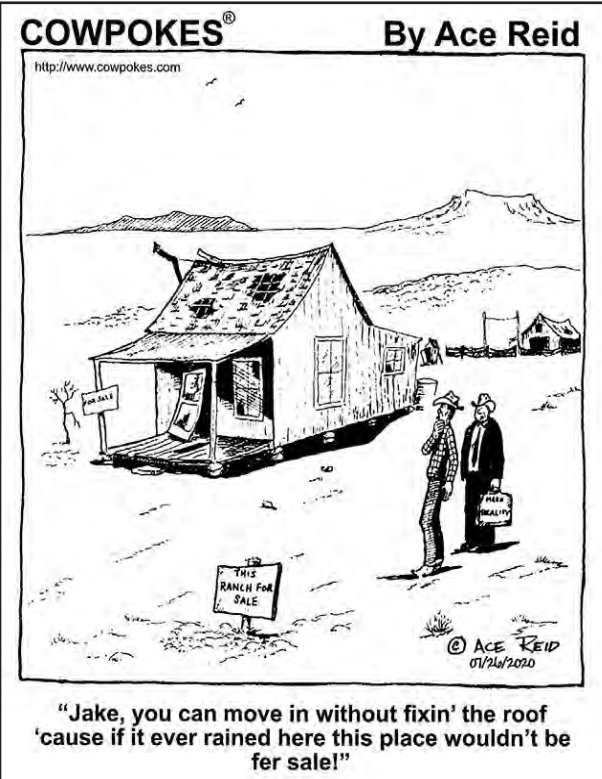
ment, guests may notice some changes throughout the building. All areas of the building are open, but some areas are limited.

The first floor permanent exhibits displaying the history and culture of the Flint Hills remains open. The Horizon Ranch Immersive Theater remains open with a limited capacity of 30 guests per showing. The second floor exhibit areas are limited to 50 guests in the children's Prairie Playscape and our traveling exhibit, American Adventure exhibit. The outdoor Prairie Garden Terrace and Trail remains open. For a full list of cleaning proce-

dures, visit flinthillsdiscovery.org/reopen.

In addition to reopening the facility this summer, the FHDC is offering in-person Adventure Camps for children entering grades 1-6 and Preschoolers in the Flint Hills programs for children ages 3-5. More information about upcoming programming and to register, visit flinthillsdiscovery.org/programs.

To learn more about the Flint Hills Discovery Center reopening procedures and programs, visit flinthillsdiscovery.org/, call 785-587-2726 or visit 315 S. 3rd St. in Manhattan.



It is the silly season of politics again. It seems like we had an election just a couple of months ago rather than a couple of years ago. I guess it only seems like it was just yesterday because I am still trying to get over the sheer volume of campaign propaganda I got from the last go-round. I guess all of it is good for our TV, radio, people who design ads, print shops, etc.... who create and distribute all the ads, fliers and letters, but to the rest of us it is just stuff to be ignored or to be placed in the round file.

I once thought that maybe the best way to do it would be to pass along the money spent on mailers and flier to each person. Then the candidate with the biggest contribution to my cause would get my vote. Okay, obviously I am joking because if the truth were known I probably would react the other way and the one who bothered me the most is the least likely to get my vote. Especially those who insist on making phone calls like the one I just got.

I marvel at the quantity of the ads, whether they are filling up my mailbox, one of the constant streams of ads on the radio or TV or one of the annoying phone calls like I just mentioned. I also am aghast and dismayed by the tone of the ads and the negativity. Last night I saw three ads in a row that went something like this: Candidate A is the law and order choice in the upcoming election, he will keep your family safe. The very next ad was from Candidate B saying that Candidate A was a depraved criminal who breaks the law. That ad was followed by an ad from Candidate A saying Candidate B was lying about Candidate A in the previous ad. No wonder people are fed up with elected officials; you do not know who to believe if anyone.

I have an idea. How about making an ad that only talks about your ideas and what you will do if elected and not about your opponent's faults and mistakes? I know... and maybe pigs will fly. The truth of the matter is that negative campaigning works and it is because of each of us. We do not take the time to find out where our candidates stand on

issues or to do our real research. Instead we listen to short bursts and sound bites, because that is all we have time for. I wonder and worry about how many voters make their decisions based on the negative ads.

Do not get me wrong. I firmly believe that each of us must take an active role in elections. What that role is, is up to you. At the very minimum do some research on the candidates, look at the incumbents' voting records and find out why they voted like they did. Do not let the other candidate pick and choose and take a vote out of context. Then go to their website and see what they say about issues that matter to you. Better yet, go to a meet and greet with the candidate and ask them questions yourself. You can learn a lot from meeting them in person. If they are not out in your community that also says a lot about how they will govern if elected.

The next level of involvement is to help with a campaign. That can be as simple as putting up yard signs. It is a easy way to get involved, but it can be powerful to let your neighbors know who you support. On the flip side, if your neighbor puts up campaign signs be courteous; they are showing their support and you should respect it even if you might not agree. That leads to the next thing you can do, and that is to talk to your friends and neighbors about which candidate you support and have those friendly, polite discussions. That is what politics done right are all about. No one is completely right or wrong and everyone is allowed their opinions.

I don't even begin to think I speak for anyone but myself but I am disappointed in the tone and negativity of this campaign and I realize it is only going to get worse as we get closer to November. I wish we could debate issues and ideas and make our decisions on the merits of them. We need to find candidates who share our beliefs and ideals and back them. The bottom line is that we all need to become more involved in the process. In the meantime, it's okay to turn the volume down when the ads come on.



Since 1924
GRASS & GRAIN
Published by AG PRESS

785-539-7558
Fax 785-539-2679
Publisher — Tom Carlin
Managing Editor — Donna Sullivan
gandgeditor@agpress.com

— Advertising Staff —
Kurtis Geisler, Shelby Mall
kurtis@agpress.com, shelby@agpress.com

GRASS & GRAIN (USPS 937-880)
The newsweekly for Kansas and southern Nebraska, published each Tuesday at 1531 Yuma (Box 1009), Manhattan, KS by Ag Press, Inc. Periodicals postage paid at Manhattan, Kansas and additional offices. Postmaster send address changes to: Ag Press, Box 1009, Manhattan, KS 66505.

Subscription — \$76 for 2 years. \$41 for 1 year, plus applicable sales tax. Outside Kansas, \$51 for 1 year, \$95 for 2 years.

MEMBER OF Associated Press

www.grassandgrain.com

With cancellation of Kansas State Fair, general manager Robin Jennison resigns

Due to the cancellation of the 2020 Kansas State Fair and lack of anticipated revenue, Robin Jennison, the Fair's general manager, announced he is stepping down. Jennison sent his resignation to the board recently stating it was an effort to help keep the jobs of full-time employees who work all year to make the Fair an annual tradition. The Fair board voted unanimously Monday to cancel the 2020 Fair, scheduled for Sept. 11-20.

"The impact that COVID-19 has had and will continue to have on the Kansas State Fair will be significant," Jennison said in the letter. "It is my intent that — in serving as the first casualty — it hopefully will lessen the impact on our other employees."

"It will be a welcome surprise if the Fair is able to weather this storm without some furloughs or even a reduction in workforce," Jennison added. "Having the high-

est-placed administrator surviving while frontline essential employees bear the brunt is something I will not do."

The Kansas State Fair is a fee-funded state agency. The Fair survives on what it makes from each Fair, which includes gate admission, grandstand entertainment, food and beverage sales and vendor fees, plus RV park rentals and non-fair events.

In a letter to the Kansas Division of Budget, Jenni-

son noted the Fair's situation and reminded them the state still owes the Fair its statutory share to the State Fair Capital Improvement Fund.

The Kansas Legislature was required to match what the Fair put into the fund - up to \$300,000 each year - to help with building upkeep and improvements. However, those transfers were not made regularly, or on occasion, adequately, for several years - leaving the Fair at a more

than \$1.8 million shortfall to the account.

Subsequently, legislation passed in 2018 allows the Kansas State Fair to capture the portion of sales tax that is generated on the Kansas State Fairgrounds to cover the state's statutory share. In 2019, this generated about \$312,000. However, without the sales tax collections for the 2020 Fair, not only will the Fair not be able to make the \$300,000 transfer to the capital improvement fund, but it won't collect that amount in sales tax dollars, either.

The first official Kansas State Fair was held in September 1913. For 106 uninterrupted years, the Fair has been the state's

largest gathering of Kansans — with not even the Spanish flu, World Wars or the 2001 terrorist attacks halting the annual end-of-summer rite.

Jennison said protecting the future of the Fair and its employees is the highest priority.

"It has been my great privilege to be given this opportunity to work with an absolutely great staff that love their jobs, work well together and are not afraid to think outside the box," he said. "That is what it will take to get past this, and we need to do all we can to protect the Kansas State Fair's most valuable asset, our employees."

The 2021 Kansas State Fair is Sept. 10-19.

Study quantifies value of red meat exports to U.S. corn, soybeans

By Joe Schuele, U.S. Meat Export Federation

Since 2015, indirect exports of corn and soybeans through beef and pork exports has been the fastest-growing category of corn and soybean use, delivering critical returns for corn and soybean farmers. These producers support the international promotion of U.S. beef, pork and lamb by investing a portion of their checkoff dollars in market development efforts conducted by the U.S. Meat Export Federation (USMEF).

USMEF has released an updated version of the independent study aimed at quantifying the value red meat exports provide to U.S. corn and soybean producers. The original study was conducted in 2016 with updates also released in 2018 and 2019. Key findings from the latest version, which utilizes 2019 export data, include:

Value of Red Meat Exports' Feed Use of Corn and Soybeans

In 2019, U.S. beef and pork exports used 480 million bushels of corn. Corn revenue generated by pork exports totaled \$1.8 billion (480 million bushels x average annual price of \$3.75/bushel).

In 2019, U.S. pork exports used 2.12 million tons of soybean meal, which is the equivalent of 89.2 million bushels of soybeans. Soybean revenue generated by pork exports totaled \$751.7 million (89.2 million bushels x average annual price of \$8.43/bushel).

Beef and pork exports also used about 3 million tons of distiller's dried grains with solubles (DDGS) in 2019 at an annual average price of \$137/ton. This generated \$411.8 million in revenue for ethanol mills' co-products.

Value to U.S. Corn and Soybean Crop from Red Meat Exports

In 2019, beef and pork exports contributed more than 12% of the per bushel price of corn (\$0.46/bushel) of an annual average price of \$3.75/bushel. With total production of 13.62 billion bushels, the value of pork exports to the U.S. corn

crop was \$6.26 billion.

In 2019, pork exports contributed 9% of the per bushel price of soybeans (\$0.76/bushel) of an annual average price of \$8.43. With total production of 3.55 billion bushels, the value of pork exports was \$2.7 billion to the U.S. soybean crop.

"The value of red meat exports to corn is higher than the previous year, both in cents per bushel and percentage of total price," explained Dave Juday, senior analyst for World Perspectives, Inc., who conducted the original study and subsequent updates. "Soybean prices last year trended lower overall, so the total value of pork exports to U.S. soybeans - in terms of cents per bushel - is not as large as in our last update. But the value added as a percentage of the per bushel price remained steady."

PRECISION AERIAL APPLICATION: Pasture \ Crop \ Government



VersaAir
SERVICES, LLC

(877) 79-VERSA
(316) 882-1540
VersaAir.com

MAHINDRA ROXOR 4x4
2.5 TURBO DIESEL



Salina Powersports

632 S. Broadway ★ Salina, KS
785-823-7297

Starting at \$14,499

Ag Risk SOLUTIONS
Experience. Knowledge. Integrity.
YOUR Crop Insurance Solution.

www.ag-risk-solutions.com
913-367-4711

@AgRiskSolutions
/AgRiskSolutions

Ag Risk Solutions is an equal opportunity provider.

 MIKE CHARTIER Hiawatha, KS 913-370-0999	 MARSHALL COFFELT Ravenwood, MO 660-853-2415	 TONY ELIZONDO Wamego, KS 785-410-7563
 JENNIFER FORANT Atchison, KS 785-217-3815	 MIKE SCHERER Atchison, KS 913-426-2640	 KURT SCHWARZ LaCygne, KS 660-424-3422

ATTENTION 4H & FFA MEMBERS:

WE WANT YOUR 2020 FAIR PROJECT PHOTOS!

COVID has altered the way fairs are being done this year. If you completed a project in any category, regardless of whether you were able to take it to the fair, please send us a photo to publish in the Grass & Grain Youth Project Showcase!

Include your name, age, county, and 4-H club you belong to, as well as a brief description of the project. Photos will all be published throughout the summer.

Email your photos and information to the editor at gandgeditor@agpress.com

Never miss an issue of GRASS & GRAIN

Subscribe or renew today!

New Subscription _____ Renewal _____

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

Email: _____

Activate Online Edition? _____

****Online Edition is FREE with purchase of Print Subscription; Email is required.****

In-State Print Edition Rates:

1 Year; \$41 + additional sales tax _____

2 Years; \$76 + additional sales tax _____

3 Years; \$105 + additional sales tax _____

**** SALES TAX DETERMINED BY COUNTY AND MUST BE INCLUDED TO RECEIVE FULL YEAR. CALL IF UNSURE.****

Out-Of-State Print Edition Rates:

1 Year; \$51 _____ 2 Years; \$95 _____ 3 Years; \$132 _____

****Call for info about our 1st Class or Online Only rates****

Check/Cash Enclosed: _____

or

Credit/Debit Card:
Visa, Master Card, Discover, American Express

Expiration Date: ____/____/____

V-Code (3 digits on back of card): _____

Signature: _____

Mail to: P.O. Box 1009, Manhattan, KS 66505
OR Stop by the office: 1531 Yuma St., Manhattan, KS 66502
1-877-537-3816

KANSAS AG REPORT



Ken Rahjes, Host

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

GRASS & GRAIN Our Daily Bread

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

Loretta Shepard, Helena, Oklahoma,
Wins Weekly Grass & Grain Recipe Prize
Winner Loretta Shepard, Helena, Oklahoma:

COOL CUCUMBER SALAD
1 medium cucumber, quartered & sliced
1 medium tomato, chopped
1/2 cup chopped green pepper
1/3 cup chopped sweet onion
2 tablespoons lime juice
2 tablespoons red wine vinegar or cider vinegar
3/4 teaspoon dill weed
1/2 teaspoon salt
1/4 teaspoon pepper

In a large bowl combine the cucumber, tomato, green pepper and onion. In a small bowl combine lime juice, vinegar, dill, salt and pepper. Pour over cucumber mixture; toss to coat. Cover and refrigerate for 15 minutes. Serve with a slotted spoon. Makes 4 servings.

Millie Conger, Tecumseh:
MINI CHEESECAKES
(3) 8-ounce packages of cream cheese
1 cup sugar
4 eggs
1 teaspoon vanilla
1 box vanilla wafers
1 can cherry pie filling

Heat oven to 350 degrees. Line muffin pans with paper liners. Place a vanilla wafer in the bottom of each paper liner. Beat cream cheese, sugar, eggs and vanilla until smooth. Place heaping tablespoon of cream cheese mixture on top of each vanilla wafer. Bake for 15-20 minutes. Cool and remove from the pan. Just before serving remove from liners. Spoon pie filling on top.

Sharon Vesecky, Baldwin City:
PINEAPPLE SHERBET
2 2/3 cups milk
2 2/3 cups crushed pineapple (drained)
2 cups sugar
2/3 cup light corn syrup

2 2/3 cups half & half
Vanilla flavoring
Milk to fill freezer canister to fill line
Mix first six ingredients. Pour into ice cream freezer canister. Finish filling the canister to the fill line with milk. Freeze according to ice cream freezer directions. Makes 16 servings.

Jackie Doud, Topeka:
SAUERKRAUT SALAD
1 medium can sauerkraut, drained
1 cup onion, diced
2-ounce jar pimiento, chopped
1 cup sugar
1 cup celery, diced
1 mango pepper, diced
Mix all ingredients. Cover and refrigerate for 24-48 hours before serving.

Susan Schrick, Hiawatha:
QUICK COFFEE CAKE
1 box yellow cake mix
1 small package instant vanilla pudding
1 small package instant butterscotch pudding

1 cup water
1/2 cup oil
4 eggs
Topping:
3 tablespoons butter
3/4 cup brown sugar
1 teaspoon cinnamon
Preheat oven to 350 degrees. Combine cake mix and puddings. Combine oil, eggs and water; mix into dry ingredients. Pour half of batter into a greased and floured 9-by-13-inch pan. Combine topping ingredients and sprinkle half on top; repeat layers. Bake for 32 minutes.

Kimberly Edwards, Stillwater, Oklahoma:
NO-BAKE HAYSTACKS
11-ounce bag butterscotch chips
1 cup creamy peanut butter
5-ounce can chow mein noodles
1/2 cup salted peanuts, optional
Line baking sheet with waxed paper. Melt chips and peanut butter until smooth. Work fast and stir in noodles and peanuts. Work fast and drop by spoonfuls onto waxed paper.

Annette Reilly, Abilene:
"The beauty of this light salad is it can be made with whatever dressing you like, in any quantity, and with any combination of similar ingredients."
DRESSED ZUKES & CUKES
4 to 6 unpeeled, tender-skinned zucchini
Dressing of your choice
1 slicing cucumber, peeled
1 sweet onion, peeled, sliced & broken into ringlets

Alternately layer thinly sliced zucchini, cucumber and onion. Pour thin narrow ribbon of dressing of your choice on top. Toss to coat. Add more dressing as desired.
NOTE: The cucumbers weep out a lot of moisture. We actually prefer using just squash and onion with a creamy dressing, either Vidalia onion, poppy seed or creamy Italian. Use tender yellow summer squash too.

Kellee George, Shawnee:
SUNSHINE CARROTS
15 medium carrots
3 tablespoons sugar
3 tablespoons cornstarch
3/4 teaspoon salt

3/4 teaspoon ground ginger
3/4 cup orange juice
6 tablespoons butter
Prepare carrots in 1-inch chunks. Cook covered in boiling water until tender, about 20 minutes; drain. Combine sugar, cornstarch, salt and ginger in a small pan. Add orange juice; cook stirring constantly until thick and bubbly. Stir in butter. Pour over hot carrots. Serve.

Darlene Thomas, Delphos:
BEEF SPINACH HOT DISH
1 pound ground beef
1 medium onion, chopped
2 garlic cloves, minced
4-ounce can mushroom stems & pieces, drained
1 teaspoon salt
1 teaspoon dried oregano
1/4 teaspoon pepper
(2) 10-ounce packages frozen chopped spinach, thawed & squeezed dry
10.75-ounce can condensed cream of celery soup, undiluted
1 cup sour cream
2 cups shredded Mozzarella cheese, divided

In a large skillet cook beef, onion and garlic over medium heat until the meat is no longer pink; drain. Stir in the mushrooms, salt, oregano and pepper. Add spinach, soup and sour cream. Stir in half of Mozzarella cheese. Transfer to a greased 2-quart baking dish. Bake uncovered at 350 degrees for 15 minutes. Sprinkle with the remaining cheese and bake 5 minutes longer or until cheese is melted. Yield: 6 to 8 servings.

Rose Edwards, Stillwater, Oklahoma:
FRUIT SALAD
20-ounce can pineapple chunks, drained & save juice
15-ounce can mandarin oranges
1 cup green grapes
2 apples, cored & sliced
2 large bananas, sliced
1/2 cup sugar
2 tablespoons cornstarch
1/2 cup orange juice
1 tablespoon lemon juice
Drain pineapple and combine that juice with sugar, orange juice, lemon juice and cornstarch. Cook until smooth and thick. Cook 2 minutes longer and cool. Place fruit in a bowl and pour sauce over fruit and chill.



Baking With Sugarbuns

By Michele Carlyon
Lightning Bugs

My niece, Mika, shares my need for routine, being a creature of habit and the need to know what is always going on. She loves to know who she is going to see in a day, and she wants to know exactly what she is going to be doing. If you are leaving her for any reason, she wants to know where you are going, who you will be with and what you will be doing. She needs to know it all.

When my brother and sister-in-law transitioned her over into her big girl bed, they put it up against the wall with a window and it quickly became our nightly ritual for me to stand outside her window and talk to her before I would leave them in the evenings if I had come to visit. Country life is quieter than city life for sure, but it still would be hard to hear her at times. My brother, being the problem-solver that he is, went about figuring out a solution; he installed a telecom system between both nieces' bedrooms and set up a station outside. This gave us the opportunity to pick up a phone and be able to talk to each other with absolutely no issues.

Last night after bath and books, I gave her a hug and told her I was going to go outside to talk to her. Her sister, Chloe, heard that and wasn't about to miss her opportunity to talk as well. We chatted for a few minutes as Mika hung around in her window talking into the phone waiting for me to pick up. Once I got over to Mika, she told me all about her day and what she was going to be doing the following day. When my dad showed up to pick up his dog, she gave me the full narrative on that as well and how she wants her dog, Moose, to sleep with her, but she is afraid he might fall out of the bed or that he might be scared without her mom and dad with him. I listened intently but eventually told her I needed to run an errand with her dad, and I would be right back.

Once we pulled back in, I waited to see if her shade was going to raise and sure enough it did. She asked all of her typical questions of where we had been, what we had done and she desperately needed to know what her daddy got from Taco Bell for dinner for him and mommy. After getting the answers she wanted/needed, she looks at me with those big blue eyes and said, "Boo Boo, do you ever look out your window at night and just watch the lightning bugs, because I do, they are so pretty."

The goosebumps flew up my arms as I realized yet again that this three-year-old little girl is wise beyond her years. I can't help but to wonder what we all did right to deserve her love, her grace, her curiosity, her spunk, her sass, and her in general. At the exciting age of three, she can find the beauty in the smallest of things; she might not know it, but she fully realizes the importance of slowing down and taking in surroundings and being appreciative of everything that surrounds us. Yet again, I am reminded that there is so much to learn from these little humans and quite frankly, they are the best teachers I have ever had.

Michele grew up in Junction City and graduated from Kansas State University. She worked in the restaurant management field for six years before deciding to switch careers and now works as an office manager for a company that manufactures oilfield products. Her passion for blogging and food can be followed on Instagram: [boobsbrainsandbaking](#).
If you would like to contact Michele with comments please email mcarlyon88@gmail.com

Need Senior Insurance?

- * Medicare Supplement
- * Long Term Care
- * Final Expense

800-373-9559
PHILLIPS INSURANCE
Jim- The Answer Man!

HYDRABED
BY TRIPLE C, INC.

OPTIONS:
- Post Hole Digger
- Tool Boxes
- Hydra Feeder
- 3rd Spool Valve
- LED Work Lights

BEDS IN STOCK
INSTALLATION AVAILABLE

BOOT HILL SALES
CLAY CENTER, KS • 785-388-2245 | 785-632-7420
www.boothillsales.com

CENTRAL KANSAS AG AVIATION

Call for all your Spring spraying needs!

STEVE DONOVAN
Cellular: 785-366-0513 • Office: 785-258-3649

BARN BUILDERS DT CONSTRUCTION
918-527-0117

Free Estimates! All Workers Insured Est. 1977

One Year Warranty

30x50x10 enclosed..... Galvalume \$9,100
12' slider, 1 walk door...Colored metal \$10,100
40x60x14 enclosed
2 12' sliding doors..... Galvalume \$16,100
1 walk door.....Colored metal \$17,500
40x100x16 enclosed
20' split sliding door..... Galvalume \$24,600
1 walk door.....Colored metal \$26,600

Price includes labor and material.
www.DTCBarns.com

Tired of being sold products and told what to do??
Time for an advisor that will listen and find solutions!

Michael Hammersmith, Managing Member
Michael@heartlandwealthstrategies.com
785-775-1115

Give us a call... serving clients across the Midwest.

Bethany Fritzon, Office Manager
Bethany@heartlandwealthstrategies.com
785-775-1115

Heartland Wealth Strategies
HWS
Conveniently located in Manhattan, Kansas
3515 Hofman Ln. Ste. B • 785-775-1115

Prize for JULY 2020!
"Our Daily Bread" Recipe Contest Prize

Elsie Grace's Heck of a Dill DIP

Straight out of Frankfort, KS!
A Dip for all of your party occasions!

Elsie Grace's
Elsiegraces1.com

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

Prize for the month of AUGUST 2020

"Our Daily Bread" Recipe Contest Prize

Elsie Grace's PIE CRUST MIX

This mix makes the best pie crust you've ever tasted, but without all the work! Just follow the directions on the back of the package for an easy pie crust that's sure to wow your guests!

Elsie Grace's
Elsiegraces1.com

Send Your Recipes Today!

Kansas POWERTRAIN & EQUIPMENT LLC

785-861-7034

1534 NW TYLER
TOPEKA, KANSAS

Your Parts & Service
Headquarters for 10 years

Complete Drivetrain Specialists • Drive Shafts
Rear Ends and Heavy Duty Parts

Thump Test? There's A Better Way To Pick A Ripe Watermelon

MANHATTAN – It's common in most grocery stores this time of year to find shoppers who swear by the theory that a good "thump" on the outside of a watermelon is a sure way to pick a winner.

Ward Upham, a horticulture expert at Kansas State University, says there's a more scientific way to take home a great-tasting watermelon.

"Ripe watermelons normally develop a yellow color on the 'ground spot' when ripe," Upham said. "This is the area that contacts the ground."

Upham said the depth of the yellow varies depending on the type of melon. "Most striped melons should have a bright, buttery yellow color, and dark green watermelons a deep yellow color. Light green melons develop a light yellow coloration. As a general rule, if the ground spot has a cream-like, off-white color, the watermelon is not ripe."

When picking watermelons in a field, Upham advises looking for the tendril that attaches at the same point of the melon to dry and turn brown. "On some varieties, this will need to be completely dried before the watermelon is ripe," he said. "On others, it will only need to be in the process of turning brown."

A ripe watermelon typically will develop a roughness on its surface (sometimes called sugar bumps) near the base of the fruit. In the field, that's when growers should harvest the fruit.

Many other melons also are in season right now. "Muskmelons are one of those crops that tell you when they are ready to be picked," Upham said. "As a melon ripens, a layer of cells around the stem softens so the melon detaches easily from the vine.

This is called 'slipping' and will leave a dish-shaped scar where the stem attaches."

When harvesting muskmelons, he notes, put a little pressure where the vine attaches to the fruit. "If it's ripe, the melon will release, or 'slip,'" he said.

Ripe melons usually will have the dish-shaped scar where the stem was attached. Upham added they will also have a pleasant, musky aroma if they've been held at room temperature for a period of time, rather than refrigerated.

"Honeydew melons are the most difficult to tell when they are ripe because they do not 'slip' like muskmelons," Upham said, noting that the Earlidew variety is an exception. "Ripe honeydew melons become soft on the flower end of the fruit, which is the end opposite where the stem attaches. Also, honeydews should change to a light or yellowish color when ripe, but this varies with variety."

Upham and his colleagues in K-State's Department of Horticulture and Natural Resources produce a weekly Horticulture Newsletter with tips for maintaining gardens and home landscapes. The newsletter is available to view online or can be delivered by email each week.

Interested persons can also send their garden- and yard-related questions to Upham at wupham@ksu.edu, or contact your local K-State Research and Extension office.

Links used in this story: K-State Horticulture Newsletter, <https://hnr.k-state.edu/extension/info-center/newsletters/index.html>

K-State Research and Extension local offices, www.ksre.k-state.edu/about/stateandareamaps.html



By Ashleigh Krispense

A golden cornbread sizzles in a deep, black skillet as it's set out to serve. From Cookie's campfire to great-grandma's stove, to your kitchen today. Cast iron skillets are one of the most versatile pieces of cookware you'll own: Steaks can be seared, onions sautéed, and brownies baked, all in one trusty, iron pan (just not at the same time!).

There are some common myths that follow the cast iron skillet around, two of them being:

They're difficult to care for and they can't be washed with soap.

While different people will have different approaches to caring for their cast iron, I am a fan of keeping things simple. I use mine daily and they almost always get a wash afterwards — with soap. Some will say that using soap takes away or ruins the seasoning that the skillet needs and builds up over time. I've found this not to be an issue though. After years of using them, I still find that a skillet can withstand a quick wash (avoid submerged soaking for long periods) and be just fine. One of my skillets will stay smooth and have almost an oiled finish even after washing.

Once you wash the skillet, dry it out with a paper towel, and pour a little bit of canola oil into the pan (about the size of a quarter). Using a dry paper towel, thoroughly wipe down the inside and outside of the pan. Wipe away any excess oil (more is not better in this case!) and set away to store. I usually store mine inside my oven when it's not in use.

What kind of cookware should I get?

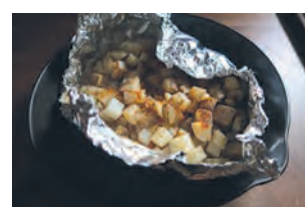
I haven't met anyone that ever said they preferred a gritty cooking surface of a more modern skillet to the smooth surface of many older skillets. So assuming

you feel the same way, there are both a few modern and vintage options I would suggest looking at!

Personally, I enjoy using old skillets. There's something kind of fun about finding, restoring, and using what was once just a dirty, old skillet. While you need to be careful to look out for pitting, warped skillets, and cracks, sometimes just the thrill of the hunt is worth it! Wagner Ware and Griswold are two of the most popular vintage brands, but I also enjoy the BSR (Birmingham Stove & Range Company) pieces. Some others you might be on the lookout for could include: Favorite Stove & Range Company (or Favorite Piqua Ware), vintage Lodge pieces, and Wapak Hollow Ware Company (usually just goes by Wapak). There are many other brands out there, as well as skillets that are "unmarked" or missing a logo, but are still valuable and can sometimes be identified by other characteristics.

While many of the modern skillets today are of

cheaper quality and poor craftsmanship, all hope is not lost! There are still some companies that can produce fine pieces with smooth interiors. I personally don't own any of these brands, but know someone that has a brand new Field skillet. It's beautiful! Here are some companies I would look to order from if wanting a modern cast iron skillet: The Field Company, Smithey Ironware Co., and Butter Pat Industries.



What can I cook in cast iron?

Make everything. No, really! (and then invite me over to help sample!). While there might be a few things to not do in your skillet, I've found about the only thing I avoid somewhat is making sauces in it. I feel like the sauce can take on a bit of an off flavor when I make it

in my cast iron vs. stainless steel pans. Otherwise, you can do just about anything with these pans! I have a wonderful marinated steak that I sear well in my skillet before slowly baking it in the oven over a period of a few hours. You can also make a pan of brownies, fry some hamburgers, fry eggs and bacon, make a deep dish pizza or fried chicken, and so much more! I'm hungry just thinking about it.

If you have a skillet you aren't sure the brand of, feel free to send me an email at contact@prairiegalcookin.com. Likewise, if you have a Wapak skillet with the Indian chief logo or an Griswold Erie with the spider web logo, please shoot me a message! I'd love to see them. Happy cooking!

Ashleigh is a freelance writer and the gal behind the website, *Prairie Gal Cookin'* (www.prairiegalcookin.com), where she shares step-by-step recipes and stories from the farm in Kansas. Follow PGC online or like it on Facebook for more recipes and ramblings!

THE WAIT IS OVER!

Volume 7 of the *Grass & Grain*
"Our Daily Bread" cookbook is finally here!!

Clips From
"Our Daily Bread"

NEW!

Grass & Grain
Recipe Collection
Volume 7

Picking up where we left off, you can now enjoy a compilation of nearly 80 pages of unique & delicious recipes from "Our Daily Bread" circa 2014, including a few home recipes from the G&G staff!

Stop by and get yours or call in & place a mail order today!

\$15/ea., + \$3 shipping to U.S.

Earlier editions also still available!

785-539-7558
1531 Yuma St • Manhattan, KS

AG LIME GYPSUM

Standard or Variable Rate Application

GEARY GRAIN, INC.

Junction City, Kansas
785-238-4177
gearygrain.com

Need an extra copy of GRASS & GRAIN?

Pick one up at any of our Box locations:

Dara's Fast Lane:

- 5321 Tuttle Creek Blvd, **Manhattan. KS** -
- 8811 US-24, **Manhattan. KS** -
- 1132 Pillsbury Dr., **Manhattan. KS** -

Sharp's:

- 118 W. Randolph St., **Randolph. KS** -

The Store:

- 104 E Barton Rd., **Leonardville. KS** -

Copies are also available at these businesses:

- Bluestem Farm & Ranch:** - 2611 W. Hwy 50, **Emporia. KS** -
- Pioneer Farm & Ranch:** - 427 NE 14th **Abilene. KS** -

Or Stop by the Grass & Grain Office:

- 1531 Yuma St., **Manhattan. KS** -

Office Hours: Monday-Friday, 8am-5pm

A Complete Cattle Feeding & Marketing Service

TIFFANY CATTLE CO., INC.

Family Owned & Operated

Tiffany Cattle Company, with a total capacity of 32,000 head, is equipped to offer economies of scale and industry leading service to customers of any size.

Production Services

Objective is simply: Least Cost Per Pound of Gain! Ration formulation and cost analysis, health program designed and maintained by veterinarian, special pens and attention to sick animals, feed financing and cattle purchasing available.

Marketing Services

Marketing finished cattle is top priority at Tiffany Cattle Company. You have the option of selling on the cash market, forward contracting or grid pricing through multiple Kansas packers.

★ www.tiffanycattle.com ★

Follow us on at Tiffany Cattle Company

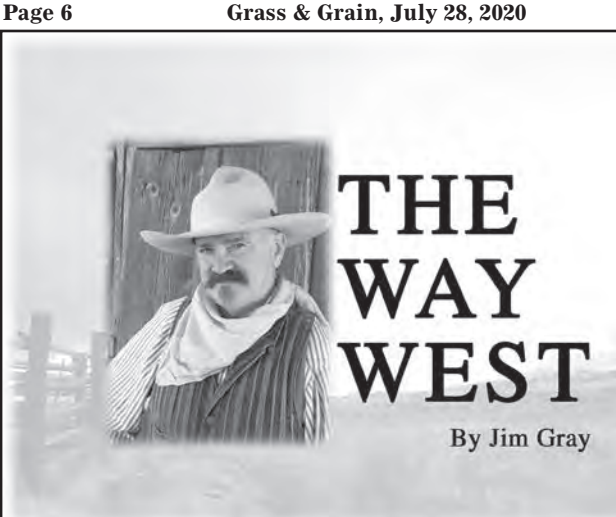
Tiffany Cattle Company 1333 S. 2500 Road Herington, KS 67449 (785) 258-3721	Tiffany Cattle West 758 Pioneer Road Marquette, KS 67464 (785) 546-2216	Shawn Tiffany - COO (785) 229-2902 shawn@tiffanycattle.com Shane Tiffany - CEO (785) 466-6529 shane@tiffanycattle.com Dennis Roddy - CFO (620) 767-2139 dennis@tiffanycattle.com Tanner Stucky - Asst. Mgr. (620) 214-0979 tanner@tiffanycattle.com
--	--	--

"Alexa, turn on KFRM"

"The Voice of the Plains"

KFRM 550 AM

Streaming 24-7
Download the KFRM App and Listen Anytime, Anywhere!



THE WAY WEST

By Jim Gray

Turning the Tide

Late in July, 1853, the Cheyenne and the allied tribes of Arapaho, Sioux, Kiowa, and Plains Apache gathered to seek revenge on the Pawnee, a tribe the Cheyenne called the Wolf People. The Cheyennes had lost several important men when the Pawnees had surprised them

and slaughtered the entire party in 1852.

Now, scouts had discovered a large hunting camp of about four hundred Pawnee warriors and their families. The Cheyennes and allied tribes skillfully moved close to the Pawnee camp with one thousand warriors and

their women and children. The attack was planned for July 24, 1853.

That morning everyone in the camp moved to the base of a big hill within five miles of the Pawnee camp. Before they could attack sacred ceremonies had to be performed. George Bird Grinnell relates the proceedings in *The Fighting Cheyennes*. The men began to unwrap their medicines. The sacred hat, made from the skin of a buffalo cow with two carved and painted buffalo horns, was placed on a bed of sage stems. From the Medicine Arrow Bundle one arrow was withdrawn and given to Wooden Leg. Standing in front of the line of warriors Wooden Leg began the arrow song while dancing in time with the music and pointing the arrow in the direction of the enemy. "As he sang and danced, all the men in the lines stamped their feet in time to the song and made motions with their weapons or shields toward the enemy,"

Long Chin had requested permission to wear the sacred hat into battle, but as he tied it the string broke, seen as a harmful omen. The sacred arrow bundle was attached to Black Kettle's lance. While everyone was intent on the ceremonies eight young men, led by

Big Head, slipped away, hoping to gain honors in being the first to strike the Pawnees.

The sacred hat and arrows could only be carried into battle when the whole tribe was present, including children. When the ceremonies were finished the men started toward the Pawnee camp with the women and children following. The march turned into a wild charge overlooking the Pawnee camp, but the camp had been abandoned. There was nothing on the ground except the ashes of spent campfires.

Disappointment turned to riders were seen coming their way. The Cheyennes and allied tribes charged toward the oncoming horsemen only to discover that they were the young men who had slipped away during the battle ceremony. Big Head was waving a scalp and shouting, "The camp is right over the hill. Go slowly, for there are many of them."

Big Head and his party had broken the sacred law by leaving the camp before the ceremonies were completed. In doing so the protective powers of the sacred hat and arrows was undone. The damage was done, no one thought of breaking off the attack.

The sun was high in

the morning sky when the warriors charged over the hill to find the Pawnees prepared for a fight. The women, children, and horses were in a stream that cut a ravine between the attacking Cheyennes and the Pawnee camp. The men were positioned along the protective banks. The defenses were as strong as any fortress. The Cheyennes swarmed down upon the waiting Pawnee but were repelled by their strong defenses. Over and over the Cheyennes and allied tribes reorganized and charged, but could not dislodge the Pawnees who refused to fight in the open.

At the beginning of the fight Sky Chief had just left the Pawnee camp and witnessed the attack on his people. He immediately rode for help from the Pottawatomies who dressed like buckskinned frontiersmen. Like their Anglo counterparts the Pottawatomies were accomplished riflemen. At the time, most of the wild tribes only used the knife, arrow, and lance.

At about 4 o'clock in the afternoon Sky Chief arrived with twenty riflemen. They immediately took charge. Half of them fired and fell back to reload while the remainder stepped forward and fired. The constant volley star-

ted the Cheyennes, who along with their allies ran for their lives.

The Pottawatomie riflemen pursued them until the Cheyennes turned and charged them, forcing them back. Again, superior firepower shattered the Cheyenne attack, forcing them to retreat with the Pottawatomies hot on their heels. Tiring of the chase, both sides stopped, and two Pottawatomies rode to the front and dismounted as a sign of disrespect. Kiowa warrior, Satanta, answered the challenge and killed one of them with a lance. Cheyenne Good Bear shot the other, while his warrior companions charged once again. By then the riflemen had reloaded and seventeen Cheyennes and others of the allied tribes fell before a barrage of hot lead.

Both sides withdrew, with the bold Cheyennes and their allies licking their wounds. The Pottawatomie riflemen had turned the tide of battle and won the day on The Way West.

"The Cowboy," Jim Gray is author of the book *Desperate Seed: Ellsworth Kansas on the Violent Frontier*, Ellsworth, KS Contact *Kansas Cowboy*, 220 21st RD, Geneseo, KS Phone 785-531-2058 or [kans.com](mailto:kansascowboy@kans.com).

C&W FARM SUPPLY INC
PROUDLY SERVING YOU SINCE 1959

785-374-4521
Fax: 785-374-4458
Email: cwfarmsupply@hotmail.com
Web: www.cwfarmsupply.com
PO BOX 257
COURTLAND KS 66939

I have filed for re-election!
Please help return me to Topeka in 2020!

I have carried bills and introduced legislation to bring back horse racing to Eureka Downs. I need your support.

Visit www.brucegivens.com for ways to help and donate.

Contact me for a presentation to your civic club or meeting.
brucegivens@me.com or 316-366-6605

Paid for by "Bruce Givens for Senate" - Larry Hibbard, Treasurer

NACD awards \$6.5 million to conservation districts to boost capacity

The National Association of Conservation Districts (NACD) has announced the award of \$6.5 million in new technical assistance grants to nearly 400 conservation districts in 36 states and territories.

These grants, made possible through an agreement with the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), complement the \$8.5 million in technical assistance grants awarded to previous grantees in March of this year.

"Since 2018, NACD and NRCS have worked together

to increase staffing at the field level for conservation districts," NACD president Tim Palmer said. "This increased technical capacity helps to improve conservation services to farmers, ranchers and local communities across the nation."

State conservation partnership leaders helped identify high priority locations and workloads to guide where the awards would best be placed. The funds announced today will support approximately 185 full- and part-time individuals, including over 12 full-time equivalent staff in tribe-related positions. More than \$1.6 million of matching funds will be added to these awards, furthering the im-

plement of these grants.

"The funds announced today will support resource technicians, conservation planners, program support specialists, foresters, cultural resource specialists, agronomists and other specialists, who will work with thousands of clients to increase their conservation practices and their access to contracts and conservation plans," Palmer said.

To date in 2020, NACD and NRCS have awarded \$15 million in technical assistance grants. Since the program's inception, NACD has funded technical assistance in all 50 states and three U.S. territories.

Visit NACD's website for more information.

THE WORKING MAN'S BALER.

The Signature name says it all. The 504R Signature baler advances the Vermeer legacy by giving the working man a baler that is built upon the three signature pillars of Vermeer — convenience, ease of use and durability. Combine that with a camless wide pickup, rotor and durable steel windguard roller for quiet and smooth operation — all while making bales at a quick pace. Backed by a 3-year pickup warranty*, it's clear the 504R Signature baler is truly one of a kind.

Vermeer Corporation reserves the right to make changes in engineering, design and specifications; add improvements; or discontinue manufacturing or distribution at any time without notice or obligation. Equipment shown is for illustrative purposes only and may display optional accessories or components specific to their global region. Please contact your local Vermeer dealer for more information on machine specifications. Vermeer and the Vermeer logo are trademarks of Vermeer Manufacturing Company in the U.S. and/or other countries. © 2019 Vermeer Corporation. All Rights Reserved.

BERG REPAIR
Westmoreland, KS
785-457-3534

SUPERIOR IMPLEMENT, INC.
Superior, NE • 402-879-4723
www.superiorimplement.com

WERTZBERGER RANCH EQUIPMENT LLC
Alma, KS • 785-765-3588 • 785-313-1108 • 785-556-1918
wertzbergerranchequipmentllc.com

Renew your Grass & Grain subscription Online - it's easy!

Visit www.GrassAndGrain.com

Click 'Subscribe To Grass & Grain' and follow the prompts!

Having trouble? Give us a call!
785-539-7558

Superior genetics ... locally grown™

KAUFFMAN SEEDS
Haven, KS
620-465-2245 • 620-727-3567

Bob Dole, SY Monument,
SY Benefit, SY Grit,
SY Wolverine, SY Rugged

PLAINSMEN SEED

Palco, KS • 785-221-1682

SY Monument

POLANSKY SEED
Belleville, KS • 800-372-2271

SY 517CL², SY Monument,
SY Wolverine, Bob Dole,
SY Achieve CL²

SEEMAN FARMS
Larned, KS
620-285-5288 • 620-285-1357

SY Rugged, SY Monument,
Bob Dole

CALL US
FOR ALL YOUR
SEED NEEDS!



AROUND KANSAS
by Deb Goodrich

Around Kansas has a very active and popular Facebook page and our shows are shared there and on YouTube after they air on "terrestrial" TV each Wednesday morning. We also use the Facebook page and other social media to share photos, news, and events around Kansas. I am constantly amazed by the talent of the photographers and the variety of images captured throughout the state. It reminds me of a saying my Granny had, "If you're bored, you are a boring person." So, if you find Kansas flat and boring it is more a commentary on you than on our fair state.

I also encourage you to share your photos and stories with us. Help us stay informed and share your pictures and events with us.

As of now, we are still planning events in western Kansas in September. The Fort Wallace Rodeo has been rescheduled for Labor Day weekend and the Butterfield Trail Museum in Russell Springs will hold a draft horse pull as part of their annual Old Settlers Day activities. We'll keep you posted on schedules. To participate in the draft horse pull or for more information, contact Sharon Henry at 620-874-0193.

The following weekend, Friday and Saturday September 11 and 12, the Fort Wallace Museum will hold

its Harvesting the Plains Encampment with buffalo hunting camps and other demonstrations on native plants. We will also draw the winning raffle ticket for the buffalo hunt on the evening of September 12. Call the museum for more information at 785-891-3564.

While I have been blessed to be busier than many folks, I have still made time to watch Hallmark's Christmas in July movies. It is wonderful escapism and I have been watching some of my favorite actors making cameo appearances - Bruce Boxleitner, Lindsay Wagner, and Patrick Duffy among them. Yes, it's "chick flicks" and quite unlike the rock 'em, sock 'em, knock 'em out dramas I normally prefer. But in these times, the formulaic, happy-ever-after stories are very appealing. That's why I try to keep the *Around Kansas* Facebook page and the show positive and uplifting. We need a counter to all the negative energy out there and I appreciate your help.

Until next week, Dear Reader. I have some Christmas decorating to do.

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

High temps could bring blue-green algae

By Adaven Scronce, diversified agriculture and natural resource agent, Wildcat Extension District

With the high summer temperatures, now is the time to be on the lookout for blue-green algae in ponds. Blue-green algae can occur in a pond as a result of runoff that carries nitrogen or phosphorus into the pond. When the temperature reaches 75 degrees or higher the algae will grow and bloom. A period of hot, sunny days with little wind following an increase in runoff from rain will also increase the likelihood of blue-green algae blooms. Blue-green algae includes many species of photosynthetic cyanobacteria (bacteria capable of photosynthesis) that live in the water. Cyanobacteria are a species of blue-green algae that produce toxins that are poisonous to animals. The toxins that result from harmful blooms of the algae are stored in the cyanobacteria until they die, and as the cyanobacteria decompose the toxins are released into the water.

it often results in death. While there is currently no antidote or treatment for the toxin, supportive care can be given to animals that show signs of being sick and animals that have consumed toxins that have affected the liver can be treated to help them recover from the initial damage to the liver resulting from the toxins.

When a pond has a harmful bloom of blue-green algae the water will have a scum that can vary in color from blue-green to gray and even red, orange, or brown. The scum will often resemble paint or a growth mat in appearance, and the water of an affected pond will often smell bad. If signs of a harmful bloom of algae are noticed in a pond, water samples should be taken and sent to the Kansas State Veterinary Diagnostic Laboratory to be tested. Until the water has been tested and is confirmed safe, animals should be kept away from the pond. Two weeks from when the algae bloom starts is the average length of time it takes to get rid of the toxin. However, if the pond has a blue-green algae bloom, it can last from days to months depending on the weather

conditions. During this time animals should be kept away from the pond and the water should be retested before allowing animals to access the pond again to ensure that there are no longer toxins in the water.

There are different options when it comes to treating a pond that has a blue-green algae bloom; one option is to use copper sulfate to kill the algae. However, this chemical will also kill green algae that helps keep blue-green algae in check and copper sulfate does not break down. Remaining in pond sediment where it can affect the ecology of the pond for many years. If sheep have access to the pond copper sulfate should not be used, because sheep are sensitive to copper. It is also important to note, that when blue-green algae die after treating a pond with copper sulfate, toxins will be released and dispersed throughout the pond. Another option is to decrease the amount of sunlight available to blue-green algae, this can be done by spreading wheat straw in a thin layer across the surface of the pond to shade the algae and decrease the size of the algae

bloom. A few short-term solutions to prevent blue-green algae include adding water soluble dyes to the water to reduce the amount of sunlight that can get to the pond or keeping the water in the pond moving by installing solar-powered aerators. To reduce the future risk of toxins forming in ponds, grass and buffer strips between fields and surface water can be maintained so that the movement of nitrogen and phosphorus into the pond will be slowed down.

Blue-green algae blooms are serious threats to the health of animals and may be fatal if the toxins affect the nervous system of the animal. Ponds that are suspected to have blue-green algae should be tested and animals should not be allowed access to the pond while waiting for the test results. If toxins are confirmed to be in a pond, animals should be provided water from a different source and should not be allowed access to the pond until there are no longer toxins in the water.

For more information, please contact Adaven Scronce, Diversified Agriculture and Natural Resource Agent, adaven@ksu.edu or (620)331-2690

TALLGRASS COMMODITIES

"Big Enough to Deliver. Small Enough to Care."

Tallgrass Commodities
420 Lincoln St.
Wamego, KS 66547

785-494-8484
Call Today For All Your Feed Needs!

Since 1954

GRASS & GRAIN

Place a classified ad or subscribe online at grassandgrain.com

WRE WERTZBERGER RANCH EQUIPMENT LLC
28998 BURR OAK ROAD
ALMA, KS 66401
785-765-3588

Contact Wertzberger Ranch Equipment for all your Custom Inline Bale Wrapping Needs 785-765-3588

VOTE ROGER MARSHALL

On Aug. 4th

FOR U.S. SENATE

Roger Marshall is a proven conservative leader who will strongly represent Kansas agriculture in the U.S. Senate. Roger has received the endorsement of:

- ✓ Kansas Farm Bureau
- ✓ Kansas Livestock Association
- ✓ Kansas Agribusiness Council
- ✓ Livestock Marketing Association
- ✓ National Sorghum Producers
- ✓ Renew Kansas

Paid for by the Kansas Ag Communities Coalition and not authorized by any candidate or candidate's committee. Contact us at: 6031 S.W. 37th Street, Topeka, Kansas 66614.

NOW OFFERING:

HARVEST GAME-CHANGER!

Walkabout MOTHER BINS™

- The missing link between grain carts and trucks
- Eliminates idle labor and down-time
- Faster, more efficient harvests
- Temporarily stores grain in the field

4000+ Bushel Capacity!

Load trucks at 900 bushels per minute with the 22" auger and store grain for their return without stopping your harvest!

- Front and rear steering
- Front and rear flow gates for blending
- Full length roll tarp protects your harvest
- Excellent as a seed tender, too

FEI 800-437-9702 | feinc.com

Soybean research and information network makes research accessible

The soy checkoff's latest collaboration brought Qualified State Soybean Boards (QSSBs) together to maximize the results of checkoff-funded research projects in the most effective way possible: bringing the findings to farmers. The redesigned Soybean Research & Information Network (SRIN) website — soybeanresearchinfo.com — was launched through a joint effort by the North Central Soybean Research Program (NCSRP) and the United Soybean Board (USB) to give farmers a virtual resource full of information and toolkits for more efficient soybean production.

for all the information the checkoff has discovered through farmer investments regarding key problem areas in production, such as tolerance and resilience. Each article on the SRIN website provides insight and explanation on the research findings and links directly to the study in the overall database for further exploration.

"The soy checkoff and QSSBs have worked together to find solutions, best practices and data on key issues and have made that available for all farmers to use," said Tim Venverloh, USB vice president of sustainability strategy.

The farmer-leaders of USB and QSSBs determine

which research is funded — geared toward addressing farmers' specific and most pressing needs and uncovering opportunities to build profits for soybean farmers.

"I had no idea how much valuable research the checkoff has made possible," said Lindsay Greiner, USB farmer-leader from Keota, Iowa. "Some of these projects are clear and actionable, such as providing data on what fungicides will provide good disease control based on the most prevalent diseases that can really threaten yield. There doesn't seem to be a limit for how far it can go to help our industry."

Tolerance and resilience are two issues farmers know too well, and they have been the focal points for the latest research. Additional projects have sought to combat all sorts of challenges, from obstacles associated with unpredictable weather patterns to insect management and variety performance. Some of these research projects include:

Battling billion-dollar yield robbers such as stink bugs or sudden death syndrome (NCSRP).

Navigating herbicide-resistant weeds and helping farmers adopt the practices best suited to their crop and weed populations (Missouri Soybean

Merchandising Council).

Enhancing seed quality by improving its genetics and traits based on a farm's external factors (Southern Soybean Research Program).

Controlling soybean seed and seedling rots worsened by diseases made more prevalent by wet planting seasons (USB, NCSRP).

"There's always things that come up that we'll have questions about, and it's good to know right away what resources we have available," said David Nichols, a USB farmer-leader from Ridgely, Tennessee. "It's even better to have it in what I call 'turn row terminology'

— in the language farmers can understand and put to use."

And the work doesn't stop at the creation of the website. The soy checkoff continues its investments in new research toward new best practices, solutions to problems and innovations to help farmers contend with rising challenges.

"The state and national checkoff programs working together helps take every investment further and, overall, get more done," said Greiner.

To learn more about the latest research and the soybean industry, visit soybeanresearchinfo.com or unitedsoybean.org.

Even during pandemic, Kansas 4-H members charge ahead with projects

In an odd year for just about everything, Kansas 4-H members are tweaking their projects with an eye toward showing their peers and community members what they've been learning.

The county fair will go on... in one way or another.

"The county fair is an opportunity for youth to showcase what they have

learned throughout the 4-H year," said Beth Hinshaw, a 4-H youth development specialist in the southeast region.

She notes that Kansas 4-H members participate in more than 30 project areas each year, all providing an opportunity to explore an area of interest. Despite the COVID-19 pandemic, those projects have not stopped; youth

continue to feed and care for livestock, as well as pursue their interest in such areas as photography, foods and nutrition, clothing, fiber arts, rocketry and more.

"In some cases, young people had more time to work on their projects this year," Hinshaw said. "And they've still had caring mentors, project and club leaders who are urging

them forward and challenging them to learn new things."

But the method by which they'll be able to show the fruits of their labor is mixed across Kansas. With county fair season underway, local boards have opted for varying degrees of in-person and online fairs.

"This year is different," Hinshaw said. "I think it's

really important that if you are typically a fair-goer that you check in about your county fair: Are they having the same hours this year? Are they having the same exhibits this year? Are they open to the public and when are they open? Or can you catch a show or a recap online?"

Hinshaw notes that most Kansas counties are posting about their local fairs on Facebook, Twitter or other social media. She encourages residents to follow social media accounts from their local office to stay updated on the county fair.

"One other thing I would suggest is to follow up with the 4-H'ers you know," she said. "If you have grandchildren or you have neighbors who are in the 4-H program, follow up with them: How is their project work going, or what have they learned

this year?"

"We may not be able to see those exhibits or those kiddos performing in person this year, but go ahead and follow up with them with your interest in their exhibit and in their growth and development."

As they grow in 4-H, members often start with projects at a "beginning level," Hinshaw said, and gradually build their knowledge base over years. Each year's fair is an opportunity to showcase how they've grown. "What we know is that while that is happening, young people also are building their abilities as learners, communicators, collaborators and contributors," she said.

Updates on 4-H activities are available on the Kansas 4-H Youth Development web page, as well as on Facebook and Twitter.

YOUR NAME COULD BE HERE!

Sponsor the Kid's Corner!

Contact your sales rep or call Grass & Grain for more information!

785-539-7558 • gandgeditor@agpress.com



Enjoy the activities below!

Farm Sudoku

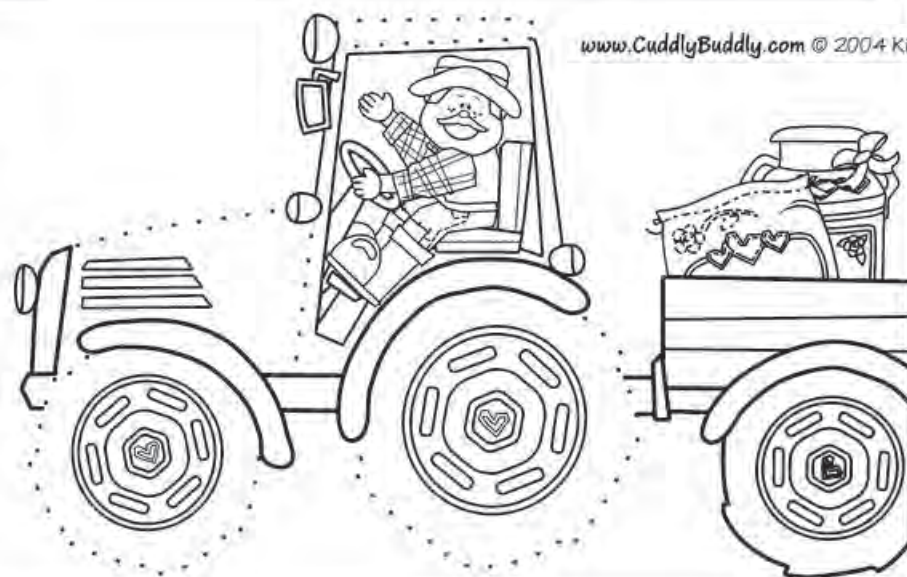
Fill in the grid with the letters F, A, R, and M making sure no letter is repeated in each row, each column and within each mini grid. www.kidspuzzlesandgames.co.uk

M	R	A	F
R	F	M	A

	R	A	
F		R	
	M		



Connect the dots and color the picture!



AUCTION

SATURDAY, AUGUST 1, 2020 — 9:00 AM
 We have sold our building and will sell items at Public Auction at the shop located at 315 Lincoln Avenue in WAMEGO, KANSAS

TRUCK & TRAILER (sell at: 11 am), PLUMBING SUPPLIES, HEATING & AIR, SHOP TOOLS & SUPPLIES, 110V and battery operated Milwaukee Tools, INVENTORY, OFFICE SUPPLIES

NOTE: Social distancing and masks are encouraged.
 CLERK: Shirley Riek, 526 Fredrick, Clay Center, Ks. 67432

BUTLER PLUMBING, SELLER DENNIS & BETTY BUTLER, OWNERS

This is a large sale! See last week's G&G for listings & Go to kretzauctions.com or kansasauctions.net for Pictures, Updates & Additional Information

Auction conducted by: **Kretz Auction Service**
 Greg Kretz, Salesman & Auctioneer: (785) 630-0701
 Guest Auctioneer: Morgan Riat 785-458-9259

ESTATE AUCTION

SATURDAY, AUGUST 8, 2020 — 10:00 AM
 AT 2323 N JACKSON STREET - JUNCTION CITY, KANSAS

FURNITURE: Walnut table w/4 chairs; 6 Walnut dining chairs; Gone with Wind type elec. lamp; 3 drawer dresser w/teardrop pulls; Victorian love seat; Walnut oval dropleaf end table; floor lamp w/cast iron base; Oak dropleaf table w/4 chairs; China cabinet w/4 shelves; Oak dry sink; oval Duncan Phyfe occ. table; 2 twin head & foot boards w/box springs & mattress; wash stand w/pitcher & bowl; telephone stand; bi-fold dressing mirror; 4 metal ice cream chairs; 3 drawer dresser w/mirror; cedar blanket chest; iron bed w/rails; kitchen cabinet w/5 shelves; Maple desk & chair; potty chair; Walnut plant stand; Globe Wernicke 3 section stacking bookcase; rnd. Oak kitchen table. **GLASSWARE, COLLECTIBLES & PRIMITIVES:** Copper tea pots; Green Depression handled plates; Longaberger baskets; kerosene lamps; old adv. calendars; #40 Dazey churn; Marlow wooden cut-outs; cast iron dog nut cracker; Carnival; Blue Depression; Fostoria; Splatterware; Milk Glass; salt crock; Roseville planter; Hull basket; Shawnee Corn King pcs.; chicken nesters; Shirley Temple pitcher; ant. stereoscope; older board games; HOBO Art; lg. coll. shaving mugs; Barbie doll; primitive kitchen tools; sad irons; license plates 1947-1970; granite buckets; adv. yard sticks; #5 Red Wing crock; #3 Red Wing churn; #2 Red Wing crock; lightning rod holder; pitcher pump; cistern pump. **TOOLS & MISC.:** Iron candelabra; Corningware baking dishes; Fire King refrigerator dishes; Bakelite dishes; holiday decor; Samsonite luggage; hand tools; alum. ext. ladder; alum. step ladder; *partial list, see website. George & Norma were avid collectors for many years.*

GEORGE & NORMA MAILEN ESTATE

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

Krogmann BaleHandler

For the serious cattlemen

USER FRIENDLY CONTROLS & FEATURES

THE LEADER IN BALEBED ENGINEERING WITH PATENTED ARM & SPINNER DESIGN

I believe the Krogmann BaleBed is the most outstanding bed on the market. I like the features this bed has over the competition."
 - Roger Miller, Booker, TX

Side toolboxes 30" Lx17" H x 12" D standard size of 12 ga. steel with stainless steel hinges and latch.

Custom built shorter or longer beds. Standard Equip: arm extensions, gn & receiver hitches, side rails, lights, trailer plug & pioneer quick connects.

Across the bed toolbox 70"Lx10"H x 20"W - complete with stainless steel hinges, tray and gas shock.

Lift, Haul and dump with the Krogmann Carry-All

1-877-745-3783 • WWW.KROGMANNMFG.COM

Activists set sights on 4-H and FFA despite fewer fairs

By Hannah Thompson-Weeman
Usually this time of year the Animal Agriculture Alliance is providing resources to county and state fairs on preparing for animal rights activism. Activist groups see any large gathering as an opportunity to get attention for their messages against animal agriculture, and they see fairs and expos as the perfect place with livestock and poultry on site. We advise any event to have a plan in place and be prepared for protests or disruptions from groups like Direct Action Everywhere, The Save Movement or PETA.
Fairs are looking quite a bit different this year

with many going virtual or being held with very few spectators. Unfortunately, that doesn't mean we can take a break from the threat of activism. Many activists have taken the current circumstances and lack of public events as an opportunity to ramp up their online efforts, including ones targeting 4-H and FFA. While it seems counter-intuitive for anyone who claims to care about animal welfare to be opposed to groups who help teach kids responsibility and how to care for livestock and poultry, it's important to realize that animal welfare really is not the goal for animal rights activists. If we're using animals for

any purpose - whether for entertainment, food or anything else - they do not believe it's possible to be done humanely and responsibly. Activists believe that 4-H and FFA along with fairs and livestock auctions "are teaching young people to exchange their compassion for money."
If you are involved with a livestock project, either as an exhibitor, parent or event organizer, here are some steps to take to help mitigate the influence of activist groups.
• Avoid the urge to engage. As a 4-H and FFA alum myself, I know how passionate we are about these programs and how strongly we want to de-

fend them when we see them being attacked. However, every time we engage with activist content online - even if we are expressing our disagreement - we are helping it get more attention. Let the activists remain in their echo chamber and resist the impulse to comment or share. You will not change their minds and your energy is much more wisely invested in sharing positive stories about your experiences and what you've learned from showing livestock.
• Understand their real intentions. Some activist groups are trying to encourage youth to give them their project animals in order to spare

them from being sold in auctions. It's important to understand (and especially help younger members understand) that considering doing this will give them credibility and more content they can try to use against 4-H, FFA and fairs. Make sure you are having conversations with kids throughout the process of raising project animals about their important role in providing food for a hungry world and our important responsibility in raising them ethically.
• Be prepared for online attacks. Posting anything on social about showing livestock or animals being used for food might bring out the trolls,

either on your personal page, your club/chapter's page or your fair's page. Have a comment policy already in place and be empowered to delete inappropriate comments and ban harassers.
The Alliance has many additional resources on understanding and preparing for activism on our website: www.animalagriculture.org. If you are dealing with a situation involving activists and could use our assistance, don't hesitate to reach out to us at info@animalagriculture.org. We're wishing you a safe, educational and fun summer fair season, regardless of how it ends up looking!

USDA funds technology research for optimum production from better, smarter planting

In a collaborative effort with crop producers, researchers at Kansas State University will introduce the latest technologies for precision planters to help enhance productivity and maximize yield.

With nearly \$300,000 in funding from the U.S. Department of Agriculture's Research Education and Economics-National Institute of Food and Agriculture program, a team led by Ajay Sharda, associate professor in the Carl and Melinda Helwig Department of Biological and Agricultural Engineering, will pursue "Enhancing Crop Productivity by Developing Operational Strategies for High-Speed Precision Seeding Technologies."

The three-year project involves conducting on-farm studies in collaboration with producers to better understand planter control system dynamics during high-speed planting. This will be observed under varying seeding rates, row spacing, planting depths, tillage systems, and weather and soil types.

"We will establish recommendations for producers to smartly implement machine operating parameters to achieve uniform emergence. This in turn will improve stand establishment, early-season growth and yield optimization on a row-by-row basis," said Sharda, a Carl and Mary Ice Keystone research scholar in the Carl R. Ice College of Engineering at K-State.
On-farm research with producers as partners will provide a metric to assess the advantages of adopting precision planter technologies - not only from the machinery but also from the agronomic perspective with the ultimate goal of improving overall productivity and profitability.
"This will develop strong Extension and applied research programs for disseminating this material," Sharda said. "It will showcase best management practices for optimizing current precision planter technologies to achieve uniform seed placement and gain yield advan-

tages."
The project will require Sharda and K-State collaborators Ignacio Ciampitti, agronomy, and Edwin Brokesh, biological and agricultural engineering, to adopt novel methodologies and robust high-frequency data acquisition systems for gathering detailed machinery and agronomic data.
"Collecting this multiyear, large scale on-farm research data," Sharda said, "will not only allow our students to work with state-of-the-art technologies for their professional development, but will also enhance K-State's research capacity to engage with numerous research partners to conduct collaborative large-scale on-farm research."
Engagement and support will also be provided by Kansas Extension agents Tony Whitehair, Dickinson County, and David Hallauer, Meadowlark Extension District.

Fall crops making strong progress, maintain good quality

For the week ending July 19, 2020, there were 4.8 days suitable for fieldwork, according to the USDA's National Agricultural Statistics Service. Topsoil moisture supplies rated 14% very short, 25% short, 57% adequate, and 4% surplus. Subsoil moisture supplies rated 15% very short, 25% short, 58% adequate, and 2% surplus.
Field Crops Report: Corn condition rated 4%

very poor, 10% poor, 32% fair, 43% good, and 11% excellent. Corn silking was 66%, ahead of 49% last year, and near 64% for the five-year average. Dough was 25%, ahead of 11% last year and 12% average. Dented was 1%.
Soybean condition rated 2% very poor, 7% poor, 34% fair, 47% good, and 10% excellent. Soybeans blooming was 55%, well ahead of 24% last

year, and ahead of 44% average. Setting pods was 15%, ahead of 5% last year, and near 11% average.
Sorghum condition rated 3% very poor, 6% poor, 36% fair, 48% good, and 7% excellent. Sorghum headed was 15%, ahead of 7% last year and 10% average. Coloring was 1%, equal to last year.
Cotton condition rated 1% very poor, 10% poor, 46% fair, 39% good, and 4%

excellent. Cotton squaring was 76%, well ahead of 54% last year and 49% average. Setting bolls was 17%, ahead of 8% last year and 5% average.
Pasture and range report: Pasture and range conditions rated 6% very poor, 18% poor, 38% fair, 34% good, and 4% excellent.

STEEL BUILDING INVENTORY SALE!
I-BEAM CONSTRUCTION • EASY BOLT-UP DESIGN

DON'T MISS OUT ON OUR 50' X 100' X 16' SPECIAL PRICE!
316-559-0759
sales@toplinebuildings.com
toplinebuildings.com

NOW IS A GOOD TIME TO GET RID OF UNUSED ITEMS ON THE FARM

GRASS & GRAIN Classifieds are the perfect way to do it!

CLASSIFIED LINER ADS:

65¢ per word.
Discounts available for pre-paid ads that run 2+ weeks.
Visit us online, give us a call, stop by, or fill in and mail the ad form on page 16 to submit a classified liner ad.

CLASSIFIED DISPLAY ADS:

\$10.50 per column inch.
Discounts not available.
Give us a call, stop by, or contact your Grass & Grain sales rep to place a classified display ad!

www.GrassAndGrain.com
785-539-7558
1531 Yuma St • Manhattan, KS 66502

CLASSIFIED LINER ADS look like this. First line is in all-caps and bold. No other formatting available. Pay by-the-word. Words counted by a space. Phone numbers or words separated by a dash are 1 word. Words separated by a backslash are counted as 2.

CLASSIFIED DISPLAY ADS LOOK LIKE THIS!
• Includes a defining border around the ad.
• Pay by the inch.
All formatting is available. Photos/logos optional. Can be 1 or 2" columns wide. *Depending on classification

Color is now available for classified display ads!
*Color is \$15 per inch. Ad must be at LEAST 1colX3.5" to run in color in the classified section.

WERTZBERGER RANCH EQUIPMENT LLC
28998 BURR OAK RD ALMA, KS 66401 785-765-3588

STOCKING DEALER

LIFETIME WARRANTY ON BALE LOADING ARMS
5 YEAR STRUCTURAL
2 YEAR SYSTEM WARRANTY

OUR OTHER BRANDS: Winkler, Cobett, ARROWQUIP, -6, Vermeer, Chevrolet, INTERSTATE BATTERIES

SCHROCK FARM AUCTION

SATURDAY, AUGUST 1, 2020 — 9:30 AM
LOCATION: 1332 26th Rd - AXTELL, KS 66403. From the Walmart in Marysville, KS go 15 miles East on Hwy 36 to Hwy 87 (26th Rd) then South 1 1/2 miles to location.



Tractors & Farm Equipment: 1975 IH 966 Diesel Tractor w/ Dual Hyd (Pioneer and IH), Dual PTO, 18.4x38 Tires, TA is good; John Deere 96 Pull Type Combine w/12' Header; JD 1219 Swather; Vermeer 605L Round Baler w/1000 PTO; John Deere 7000 4 Row Planter; John Deere DFB 8x16 Grain Drill; John Deere 896 9' Roll Bar Rake; John Deere 6 Row Cultivator; IH 470 18' Wing Disc; MF 4x16 Semi Mount Plow; IH 10' Wheel Disc; 10'-9" Shank Chisel; Oliver 285 14' Field Cultivator; New Holland 355 Grinder Mixer; Hutchinson 8"x40' Grain Auger; Case 75 Loader w/6' Bucket; Land Pride 125 3pt 10" Post Hole Digger; Wagon Running Gear; 2-8"x14' Hay Wagons; 1-8"x16' Hay Wagon; 90 Bu-5 1/2' x 10' Grain Wagon w/Hoist; High Wheel 50 Bu Grain Wagon on Steel; Custom Silage Wagon (rear unload); Bale Fork (3pt); Steel Wheels.
Consigned from the Neighbors: Ford 4610 Diesel Tractor w/3500 Hrs. and Ford 776B Loader; John Deere 530 Round Baler

(wine) good cond.; 10-Wheel Rake(3pt); John Deere 148 Loader w/JD 3020 Mounting Brackets; 8' Blade; Pallet Forks(3pt); Small Tire Stretcher.
Horse Drawn Items: 2 Seat Top Buggy; Single Top Buggy; John Deere M-E Manure Spreader; IH all Steel Manure Spreader; IH #9 High Gear 7' Mower w/ Dolly Wheel; Grabit Tumble Bug Round Bale Mover; Horse Collars; Buggy Flashers; Misc Tack; Buggy Shafts and Surrey Poles.
Farm & Livestock Equipment: 2- Priefert Round bale Feeders (like new); 9' Blue Poly Water Tank; 10-Calf Hutches; Wire Hog Panels; T-Posts; 300 Gal Fuel Tank w/Stand; 30 gal Oil Drum w/Stand; 3 to 1 Gear Reduction for Honda Engine; 2- 15"x12' Culvert; Water Tank and Float; 3-Thero King Cooling Compressors, 2 good and 1 as is; 50 gal Barrels w/lids; Dbl Wash Vat; Calf Bottles; 80 Small Bales Straw; 1000 Gal Air Tank; JD 615 Walk Behind 36" Mower; 12' Jon Boat; Live Traps; Rabbit and Bird Cages; Chick Brooder; Forks and Shovels; Wheelbarrow; Dog Kennels; 20 lb & 100 Lb Propane Bottles; Farm and Ranch Supplies.
Shop Tools / Construction Supplies: 32' and 22' Alum Ext. Ladders; Shingle Nailers; Bostich Staplers; Shingle Rippers; Scroll and Miter Saw; Portable Air Compressor on Steel Wheel Cart;

Saw Horses; 4" Bench Vise; Telephone Poles; 4 New 36"x48" Vinyl Replacement Windows; 4 New 28"x20" Anderson Basement Windows; 1 New 28"x17" Anderson Basement Window; Used 32" Entry Door; New and Used 2x Lumber; Walnut Lumber; Misc. Metal Trim/Screws; Used Corrugated Barn Tin; Several Rolls of R-19 x 23" Insulation; 6 sq. Dbl 4" Vinyl Siding (new); Approx. 800 sq. Ft Wood Flooring; plus more.
Guns & Misc: Westernfield 12 ga Shotgun; Sears 20 ga Shotgun w/ Polychoke; Daisy BB Gun; Misc. 12 ga Ammo.
Household & Collectibles: WMountaineer Wood Stove; 4-Sq Tub Maytag Wringer Washers and 1 Round Tub Maytag; Gas Fireplace; 10'x20' Canopy; Brown Lazy Boy Sofa; Brown Recliner; Chest of Drawers; Wardrobes; Bookshelves; Dazey Butterchurn; Arcade #1 Hand Grinder; LP Lights; Coleman Lanterns and Campstoves; Kerens lamps and Heaters; 13' Trampoline; Swing Set; Basketball Goal; Corn Hole Set; Volley Ball Poles; Childs Pool; Chalkboards; School Desk; Telescope; Foosball Game; Trikes; Scooters; Wagons; BBQ Grill; Picnic Table; 14' School Cafeteria Table; Cafeteria Trays; Baby Crib; Magazine Stand; Baskets; Games; Puzzles; Misc Baskets; Canning Jars; many more items not listed.

SELLERS: NATHAN & ELLEN SCHROCK / HARMONY HILLS CONSTRUCTION

NOTE: For more photos go to auctionzip.com. Lunch by the Amish Ladies.

GRASS & GRAIN ONLINE ONLY
1 year - \$35 Other options also available
Arrives in your Inbox every Monday between 12-1pm
Email is required.
TO SWITCH OR SUBSCRIBE CONTACT KEVIN:
CALL 785-539-7558 • EMAIL: agpress3@agpress.com
Or stop by: 1531 Yuma St., Manhattan, KS
*Online edition is FREE to all Paid Mail Subscribers

• Farm Auctions • Antiques
• Real Estate • Livestock
• Equipment • Estates
Terms: Cash, Credit Card or Check with Proper ID

Morris Yoder Auctions • 620-899-6227
Email: morris_yoder@yahoo.com
Website: morrisauctions.com

Morris Yoder, Auctioneer/Realtor, 620-899-6227/Associate Realtor/Auctioneer w/Riggin & Company

