



Sunflowers and a pair of Western meadowlarks adorn the side of the Wardcraft Home Store at 531 Court Street in Clay Center. The painting is the 25th project of A Mural Movement. *Courtesy photo*

A Mural Movement completes 25th masterpiece in Clay Center

By Donna Sullivan, Editor

For the past two years, murals have been being completed on buildings around Clay Center as part of A Mural Movement, a project of the Clay Center Rotary Club, launched by its president, Brett Hubka. Artists from Kansas, Oklahoma, Colorado, Texas and California have ventured to the small town to demonstrate their skills on large-scale "canvases," with the former Key Feeds, now Suther Feeds, eleva-

tor being the most massive. From June 22-July 4, the 25th mural was painted on the side of the Wardcraft Home Store building at 531 Court Street, depicting two beloved state symbols—the sunflower and the Western meadowlark. The mural is the work of C. Stanley Creative LLC, made up of the husband and wife team of Christian and Jessica Stanley of Orlando, Florida. Jessica has family in central Kansas, so she welcomed the opportuni-

ty to work in Clay Center. "We were married during the pandemic, so most of my family was not able to travel to be part of the celebration," she said. "It is fantastic to be in Kansas and painting. My family can meet my husband and see his work. This project is really meaningful and a great fit for us."

Christian is a professional muralist with works in Memphis, Tennessee, Las Vegas, Nevada, and throughout central Florida.

His desire is that his art will reflect the community in which it is located, which is readily apparent in the Clay Center mural. "Being a part of A Mural Movement was an amazing experience," he said. "This community is like no other and I am proud to have been able to be a part of the program. It is my hope that people will stop by and enjoy the mural for years to come, and recognize Clay Center as a hub for mural art in Kansas."

Metzger tapped to help lead agriculture, Extension activities at Kansas State

Kansas State University has named a seasoned scientist and water policy professional as its new associate director for agriculture and extension.

Susan Metzger said she looks forward to strengthening and creating partnerships for the College of Agriculture and K-State Research and Extension in support of agriculture and natural resources.

Metzger previously served as the senior executive administrator to Ernie Minton, dean of K-State's College of Agriculture and director of K-State Research and Extension. In her new position, Metzger will support the college and Extension with government relations, stakeholder outreach and strategic planning.

She will continue to assist in the implementation of the College of Agriculture's comprehensive master infrastructure campaign, as well as the K-State Plan for Economic Prosperity.

She will also serve as the director for the Kansas Center for Agricul-



tural Resources and the Environment (KCARE) and the Kansas Water Resources Institute (KWRI) where she secures and administers funding for KWRI, the Fertilizer Research Fund and the Ogallala Aquifer Program; and works closely with a team of watershed specialists to improve water quality throughout the state.

As director, Metzger said her goal is to expand awareness of the resources available through

KCARE to coordinate and enhance research, Extension and teaching activities pertaining to environmental issues related to agriculture.

"These positions are interconnected," Minton said. "The person needed to do this work must have both a strong science background and have deep strengths in leadership and policy making to understand what needs to be done and how to make it happen. That's Susan."

Before joining K-State in 2018, Metzger served as deputy secretary for the Kansas Department of Agriculture where she served farmers, ranchers and agribusinesses of Kansas and worked to build the state's agricultural economy.

While there, she led the agency's policy evaluation and development related to water and natural resources, coordinated with the Kansas Legislature and Congress, and

served as team leader on the Long-Term Vision for the Future of Water Supply in Kansas.

Metzger has served as a scientist and leader in water resource planning for more than 25 years. Among her previous positions, she was chief of planning and policy for the Kansas Water Office and an environmental scientist for the Kansas Water Office, Burgess and Niple, and Geo-Marine.

She serves on four boards – Service Member Agricultural Vocation Education, Earth's Harvest, Kansas Agribusiness Retailers Association and the Center for Sorghum Improvement.

Metzger earned a bachelor's degree in biological sciences from the University of Mary Washington, a master's degree in biological sciences from Old Dominion University and a doctorate in leadership communications from K-State.

Summit on Agricultural Growth to be held August 18 in Manhattan

Join agriculture leaders from across the state at the seventh annual Kansas Governor's Summit on Agricultural Growth on Thursday, August 18, at the Manhattan Conference Center at the Hilton Garden Inn, 410 S. 3rd St. in Manhattan.

The 2022 Ag Growth Summit will be held as an in-person event and will return to the tradition of sector-specific meetings for various segments of the state's agriculture industry. Although a small group of sectors are meeting prior to the August event, most of them will meet in person on the morning of the Summit. All farmers, ranchers, agribusiness owners and industry professionals are welcome at the Ag Growth Summit — if you're committed to working for agricultural growth in Kansas, please join us in this effort.

Morning breakout sessions will again focus on the specific sectors, although four sectors will hold their breakout sessions prior to the Summit. Members of the pork, equine, specialty crops, and feed and forage

sectors are invited to register separately for online sessions to take place over the next month, beginning with the pork sector on July 6.

Attendees are also invited to participate in a social event on the evening of August 17, also at the Manhattan Conference Center.

There is no cost to attend any of the Ag Growth Summit meetings or events, but it is important that attendees register so KDA can provide adequate materials for attendees and have accurate meal counts. Registration has begun for the Summit and for the four early sector breakout sessions at www.agriculture.ks.gov/Summit, along with additional information including agendas, overviews of the ag sectors, and a link to reserve a room at the Hilton Garden Inn.

If you have questions about the 2022 Kansas Governor's Summit on Agricultural Growth, please contact Brittney Grother at Brittney.Grother@ks.gov or 785-564-6797.

Work begins on \$19 million research project on cattle grazing, soil health, rancher well-being

Ground has broken — quite literally — on a \$19 million research initiative aimed at understanding how a farmer or rancher's grazing management decisions impact soil health and, in turn, how soil health can positively impact land and producer well-being.

The inaugural field sampling took place on Noble Research Institute's ranches in southern Oklahoma in April 2022 with a second sampling session completed the week of June 29. Field sampling was also conducted in June at the Michigan sites, and a final sampling session has been scheduled in August for the project's Wyoming locations.

The collections are part of the Metrics, Management, and Monitoring: An Investigation of Pasture and Rangeland Soil Health and its Drivers, also known as the 3M project, one of the most robust investigations of ecosystem functions across time and space, diversity of landscapes, and gradients of management.

During each sampling session, researchers from Noble, Michigan State University, the University of Wyoming, Colorado State University and Quanterra Systems (UK) collect soil samples, perform water infiltration tests, assemble energy flux monitoring towers and take multiple vegetation measurements to be tied back to satellite imagery.

These field samplings occur on the project's intensive measurement sites at ranch properties owned and managed by Noble, Michigan State and the University of Wyoming. The samplings are only the first step in a project that will span six years.

"Farmers and ranchers will directly benefit from this project, and they will also be actively involved," said Isabella C. F. Maciel, systems researcher at Noble and project co-lead. "Next year, we look forward to taking similar measurements at 60 producer-owned/managed sites located across Okla-

homa, Texas, Colorado, Wyoming and Michigan."

In addition to taking ecological measurements, researchers at Michigan State and Oregon State University will seek to understand socio-economic barriers to adoption of soil-health-related management in cow-calf operations. Understanding barriers will result in educational pathways for large-scale adoption of management principles leading to more profitable, resilient and productive ranches across the U.S.

Jason Rowntree, professor of the C.S. Mott Endowed Chair of Sustainable Agriculture at Michigan State and project co-lead, said the coalition spent at least two years building a "dream team" approach for grazing research, which resulted in what Rowntree believes is the largest funded grazing ecological research grant awarded.

"To see our team in action and all our planning come together is exciting," Rowntree said. "To actually be out there in the field and scaling up — it's rewarding to know that what we're doing could have global impact on ranchers."

The Foundation for Food and Agriculture Research awarded Noble Research Institute a \$9.5 million grant to lead this critical research that is focused on impact soil health on pasture and rangeland (commonly called grazing lands). Noble Research Institute is providing \$7.5 million to this project, with additional financial contributions from Greenacres Foundation, The Jones Family Foundation and ButcherBox.

For decades, farmers and ranchers who have followed soil health principles have improved the overall health of their land. The connection to economics and improved producer well-being, however, have — to this point — been largely anecdotal.

The 3M project seeks to quantify these observations and examines how

K-State beef cattle experts launch weekly segment

By Lisa Moser, K-State Research and Extension news service

When people needed answers back in the day, often they would turn to the columns of Erma Bombeck, Emily Post or even Dr. Ruth Weistheimer for expert advice. Today, many people turn to podcasts to get answers as they shuttle from one place to another.

Helping to meet that quest for information, the experts at Kansas State University's Beef Cattle Institute are launching an Ask the Experts segment on the Agriculture Today podcast and radio program.

"The Beef Cattle Institute is a collection of faculty and students who work together to solve industry challenges and we share that information on our weekly Cattle Chat podcast," said Brad White, veterinarian and BCI director. "We are excited to join with Ag Today to answer the questions that beef cattle producers have."

White's enthusiasm is echoed by Agriculture Today producer and host Samantha Bennett: "I am glad to bring this team of experts to our listeners so that producers can hear things that will help them with their own operations."

The Ask the Experts segment airs weekly on Wednesdays. In Kansas, Agriculture Today airs each weekday morning at 10 a.m. on KFRM (550 AM) and KBUF (1030 AM); and 12:20 p.m. on KVGB (1590 AM and 97.7 FM).

"We have experts in a variety of areas including nutrition, animal health, pharmacology, economics, toxicology and beef production who are ready to take listener questions," White said.

To submit a question, send an email to the Beef Cattle Institute at bci@ksu.edu. Along with featuring the answers on Agriculture Today, those questions will also be addressed more thoroughly on the weekly Cattle Chat podcast. Both programs can be found on streaming services or downloaded online.



Putting Policy Into Action

By Greg Doering,
Kansas Farm Bureau

The biggest strength of Kansas Farm Bureau (KFB) is its grassroots policy process that undergoes at least a year of debate before it's enshrined in the organization's policy book. This manual serves as a blueprint for the advocacy work of state staff in the Kansas Legislature. In 2022, this member-driven process was crucial to improving farming, ranching and rural living during the legislative session.

The success Kansas Farm Bureau had during the last legislative session will affect everyone in agriculture or living in a

rural community in some fashion. Some of the wins are unlikely to be undone anytime soon and others could prove to be more fleeting without continued engagement.

As of July 1, several of these policies are now laws codified in Kansas statutes. That's proof that a group of dedicated people working toward a common goal can make the ultimate influence on the political process. Turning policy into action is not an easy endeavor, so it's worth acknowledging when it does happen.

Here are a handful of examples of how Farm Bureau members of Kansas

and other likeminded organizations had an impact in Topeka:

Fencing Tax Exemption: KFB successfully testified in support of a law that exempts fencing supplies and services from sales tax to repair fencing damaged or destroyed by natural disasters including wildfires. Those exemptions are permanent for all farmers and ranchers.

Based on calculations from the Kansas Division of Budget and the Kansas State University Land Use Survey Center, this sales tax elimination will save farmers and ranchers approximately \$865 for each mile of fence, a number that will grow alongside the cost of materials and labor.

Funding for Rural Housing: Kansas Farm Bureau was one of nearly two dozen organizations that successfully lobbied for an

investment in rural housing of more than \$100 million. The money will come from the state's extraordinary budget surplus and unspent federal COVID-19 relief funding. Included in the spending package is \$40 million to spur moderate-income housing programs. An additional \$20 million is dedicated specifically to rural housing.

Expansion of Rural Veterinary Program: KFB supported legislation that will expand the Veterinary Training Program for Rural Kansas, addressing a shortage of veterinarians across the state. The legislation will allow more flexibility in where Kansas State University graduates can establish a practice and receive up to \$25,000 per year in student loan forgiveness. The law also adds flexibility to increase the number of recipients beyond the maximum of five if funding is available.

Pasture Tax Fix: KFB successfully supported a policy change in how pastureland enrolled in the federal Conservation Reserve Program (CRP) Grasslands are classified for Kansas property tax purposes. Without this fix, land that has always been in pasture and then enrolled in the CRP was in danger of being classified as higher-value dryland farm ground for property tax purposes.

Water Issues: Kansas Farm Bureau staff testified against proposed legislation that would have consolidated the state's water regulatory agencies because it would have increased government bureaucracy and consolidated enormous power under the control of a single political appointee, in addition to other measures that go against KFB's policy. While the proposal was ultimately unsuccessful,

it has prompted a review of KFB policy on water issues with regional meetings scheduled around the state, including July 12 in Hoxie and July 14 in Burlington. For more on the meetings or to register visit www.kfb.org.

As the final issue illustrates, effectively implementing policy is a job that never ends. It requires continued discussion and refinement, and the ability to react quickly when there's an opening. Kansas Farm Bureau will continue seeking feedback, forging alliances and pushing politicians to create rules and regulations allowing agriculture to flourish in Kansas and beyond.

"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.

EPA resurrects radical atrazine proposal, threatens key sustainability efforts

In an unprecedented move, EPA announced it is reopening the finalized reregistration of atrazine, putting this key crop protection tool and today's carbon-smart farming practices at risk. This is according to the Triazine Network, a coalition of agriculture groups that have been involved in regulatory issues related to triazine herbicides since 1995.

At issue is the aquatic ecosystem concentration equivalent level of concern (CE-LOC). In a published decision that concluded the registration review of atrazine in 2020,

EPA set the atrazine CE-LOC at 15 parts per billion (ppb). Environmental activist groups retaliated with a lawsuit in the Ninth Circuit Court of Appeals. This opened the door for EPA to shift tactics and alter its decision. EPA has proposed an ultra-low CE-LOC of 3.4 parts per billion, which would have devastating impacts on farmers.

"To say growers are frustrated is an understatement. The science hasn't changed since 2020, when EPA set the level of concern at 15 parts per billion. EPA is playing politics with this decision

and should not adopt this ultra-low level of concern," said Greg Krissek, Triazine Network co-chair and Kansas Corn Growers Association CEO. "We are urging farmers to oppose EPA's regulatory tricks and submit comments to EPA during the 60-day comment period this summer."

EPA floated the 3.4 ppb number in a draft proposal in 2016 and received over 30,000 comments opposing the ultra-low level. In 2019, the agency stated in a regulatory update it would use the 15 ppb CE-LOC and solidified that number in the published 2020 Interim Registration Decision.

In their recent news release, EPA claimed it had always intended to use the ultra-low 3.4 ppb level instead of the 15 ppb level published in the 2020 decision.

"EPA is saying that while it published the decision for the reasonable 15 ppb level, they didn't mean it," Gary Marshall, Triazine Network co-chair and former Missouri Corn Growers Association CEO said. "Now they are saying we should ignore what was published in the Federal Register, claiming it's always been 3.4 ppb, a level based on flawed studies thrown out by a previous Scientific Advisory Panel."

Farmers rely on atrazine's long-lasting weed control, and it is especial-

ly important as an aid to help farmers successfully use sustainable farming practices like conservation tillage and no-till. Placing severe limits on atrazine will have broad implications considering that atrazine is a key component in over 90 herbicide mixtures farmers rely upon. Atrazine has been on the market for over 60 years. No herbicide has been studied more or has a longer safety record.

"EPA's proposal would render atrazine unusable for many farmers and force them to abandon carbon-smart no-till practices in key areas of the Midwest," Krissek said. "While EPA is proposing mitigation measures for farmers to use in areas that

would exceed the CE-LOC, our farmers are already concerned many of those methods won't be viable on their farm. For example, one suggested method is to incorporate atrazine into the soil, which would end years, if not decades, of no-till practices on those fields."

In the announcement and in the docket, EPA stated it "intends to seek external peer review of the risks to the aquatic plant community that underlies this proposed risk management strategy."

Before any part of this proposal is implemented, EPA must stand by its promises to convene a formal FIFRA Scientific Advisory Panel to specifically explore the scientific basis for the proposed CE-LOC revision and ensure high-quality research supports the proposal.

"EPA personnel told us the agency would convene a formal SAP to provide guidance on this matter. However, the news release and docket documents refer only to an 'external peer review.' That is not the same thing," Krissek said. "We urge EPA to publicly commit to convening a formal FIFRA Scientific Advisory Panel to advise the agency on this matter. This SAP incorporating the latest peer-reviewed studies is key to ensuring EPA's proposed CE-LOC is supported by valid scientific evidence."

The Triazine Network is encouraging farmers to submit comments to EPA during the upcoming 60-day comment period.



I am sure we all have moments we regret, a second in time we wish we could go back and do differently. Well, I had one of those moments last week, one that I am not very proud of and frankly, I am embarrassed about. I really don't want to talk about it but maybe by sharing it, my mistake can save someone else from something similar. Just know that this was not one of my finer moments.

I was scheduled to have my left hip replaced last week; four weeks ago I had my right hip replaced; this is not the best time of the year for a farmer to have this done. However, I had reached the point where it had to happen. Isaac graciously agreed to come home for a couple of weeks to help put up hay. He worked hard and made a lot of headway. Due to rain and a breakdown, we still have a fair amount of hay to bale. When he headed back to school the reality of how much I had to do set in and started a sense of urgency.

The week Isaac left my new right hip had gotten to the point of feeling good; modern medicine is amazing. I could actually function and drive a tractor with little or no pain. Sure, the left hip hurt but I was used to that. The weather was good, and we could have baled a lot of hay, except we were waiting for the part for the disc mower. Jennifer suggested that maybe we try mowing some hay with the sickle mower. I agreed that it might work, I had some brome where I had wintered the cows on it a little too long and it was short and light. Jennifer decided to take an afternoon off from work and mow hay for me.

Last year we had purchased a new to us sixty-year-old tractor with the idea of using it on the sickle mower in prairie hay. The problem was with my hips I could not drive it. That is where my wonderful wife comes in. We tried to hook the tractor up to the mower only to find out that the hydraulic connectors were different from what we used. Finding that out took two hours and a lot of our patience. Finally, I decided to put a different tractor on the mower.

I don't have the time or space to go into the details but putting the sickle mower on the other tractor did not go as smoothly as it should have and took way too long. My patience and nerves were shot, and I was in a panic about getting things done. I got Jennifer started with

less instruction and more grumbling than I should have, and the results were not good.

I know many of you are thinking a sickle mower even in short light brome probably isn't going to work very well and you are right. Shortly after starting, the mower plugged up. I showed Jennifer how to unplug it and warned her about the sickle moving and how it could cut a finger off. She went another twenty feet or so and plugged again. At this point my nerves were shot, my patience was gone, and I was not in a good mood.

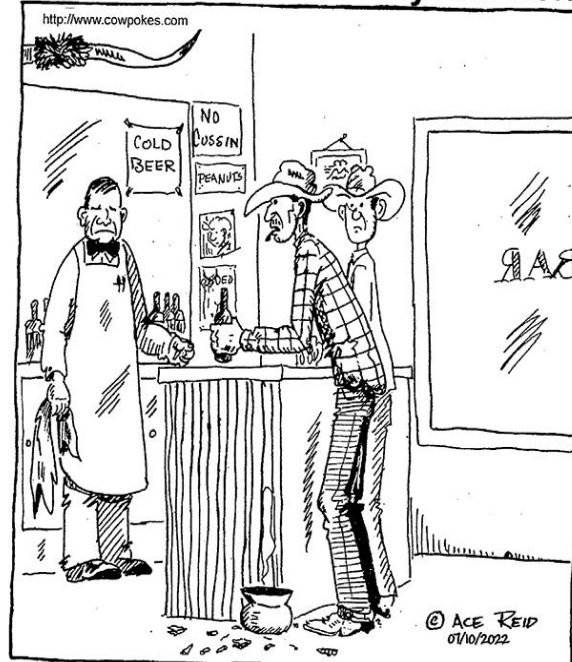
She got out to help me unplug the mower. Why I did what I did next I can't explain, and I am disappointed in myself. Instead of helping her clear the sickle I went to the main drive belt to see if it was slipping. I gave it a good yank, heard Jennifer holler, and knew immediately what I had done. My heart stopped. I caught up to Jennifer and expected the worse.

We got lucky. Her finger was intact but had a nasty cut at the very end. A trip to the E.R. and four stitches later along with many apologies and begging for forgiveness we went home. I don't know how or why it did not cut off that finger or others, for that matter. All I can say is that God was watching over us. Jennifer has been finding out all week that the tip of her index finger gets used and bumped a lot and has a lot of nerves, but it is still there and still attached.

When we told the kids what had happened both had the same reaction. "Dad, didn't you teach tractor safety for nearly twenty years?" My response was yes, and this proves just how fast an accident can happen and that it can happen to anyone and that is why I am sharing this with all of you. This time of the year we are all behind the eight-ball and our anxiety runs high. We rush and often our patience has run out. That is when we make mistakes and in our line of work those mistakes can be painful or even deadly.

I hope that this embarrassing story will save someone from having an accident. No matter how safe you are, one momentary bad decision or lapse in judgement can lead to tragedy. Jennifer and I were lucky; next time that may not be the case.

COWPOKES® By Ace Reid



"Alcohol killed an uncle of mine. He was run over by a beer truck!"



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On the buckle – bullfighter is like family to Abilene rodeo committee

Retired pro rodeo bullfighter Dustin Brewer is the feature on the 2022 Wild Bill Hickok Rodeo buckle.

The Prairie du Chien, Wis. man, a native of Elk City, Okla., worked as a bullfighter at the Abilene rodeo fifteen years, starting in 2000, with a year off in 2002 due to a knee injury, then through 2015.

His career began when he tagged along as his older sisters competed in Little Britches Rodeo. He rode bareback horses and bulls in high school, and it was in the practice pen where his talent became evident.

A bull rider got hung up, Brewer recalls, "and I stepped in, got him out, never got touched (by the bull) and thought that was pretty cool."

Throughout his 27-year career, Brewer worked the Abilene rodeo and other major rodeos including Tucson, Ariz.; Greeley, Colo.; Oakley, Utah; Salt Lake City, and many others like Elk City, Okla., Sikeston, Mo., Burwell, Neb., and Manhattan, Ks.

He also competed in the Wrangler Bullfights, and in 2000, was ranked fourth in the Bullfights when he broke a leg during the Bullfights in Sikeston, ending his chance of competing at the National Finals Rodeo that year.

Brewer loved coming to Abilene. "As soon as you pulled into those gates," he said, "everyone greeted you, and if they weren't there, as soon as

they came, they greeted you. At some rodeos, you might have three or four people you connect with. In Abilene, you connected with everybody."

He and his wife Tarra married in Abilene in 2004, because he was so close to committee members. Abilene "was one of the rodeos that was more like family. You weren't going just to a rodeo, you were going to a family reunion. That's just how the rodeo committee made you feel."

The committee loved working with him, said Jerry Marsteller, rodeo committee chair. "He was with us for fifteen years and did one hell of a job. And he said, you guys here aren't just friends, you're family. That's how we consider Dustin and his family."

Brewer was honored to be included with such greats as Lecile Harris, Mike Mathis, Gerald Roberts, and other rodeo legends who have been on buckles. "Even just to be considered is an honor," he said. "You have people (on the buckles) that are highly thought of in rodeo, and not just in Abilene but in the world. So to be on one is pretty amazing, really."

He and his wife Tarra and sons Brogan and Brylee will be in Abilene for this year's rodeo.

Brewer's likeness on the buckle is the sixth in the fifth series. The buckle collection started in 1989.

The annual buckle



Bullfighter Dustin Brewer's likeness is featured on the 2022 Wild Bill Hickok Rodeo buckle. The highly revered cowboy worked the Abilene rodeo for fifteen years.

Barrel racing will be held Monday, August 1 at the historic Shockery and Landes Building in Abilene at 324 North Broadway. Buckles numbered one through ten and number 500 will be auctioned off.

Social hour for the auction begins at 7 p.m., with the auction to follow at 7:30 p.m. The rodeo takes place August 3-6 at 7:30 p.m. each night in Abilene at Eisenhower Park. For more information, visit www.WildBillHickokRodeo.com

1st series
1989 – Bruce Miller, saddle bronc riding
1990 – Cary Bryant, calf roping

1991 – Jon Greenough, bareback riding
1992 – Tracy Brunner, steer wrestling
1993 – Donna Samples,

barrel racing
1994 – Paul Whitehair, bull riding
1995 – 50th anniversary of the Wild Bill Hickok Rodeo

2nd series
1996 – Gerald Roberts, saddle bronc riding
1997 – Phil Bryant, calf roping

1998 – Mark Brunner, bareback riding
1999 – Jim Janke, steer wrestling
2000 – Guy Winters, Sr. and Guy Winters, Jr. team roping

2001 – Stacy Krueger, barrel racing
2002 – John McDonald, bull riding
3rd series
2003 – Steve Davis,

and Steve Zumbrunn, team roping
2015 – Micah Samples, barrel racing
2016 – Jimmy Crowther, bull riding
5th series
2017 – Glen Dawson, bareback rider
2018 – Andrews Rodeo Co., stock contractor
2019 – Mike Mathis, rodeo announcer
2020 – 75th anniversary buckle (no rodeo due to Covid)
2021 – Lecile Harris, rodeo clown and specialty act
2022 – Dustin Brewer, bullfighter

2004 – Ty Brant, calf roping
2005 – Jared Roberts, saddle bronc riding
2006 – Bob Pound, steer wrestling
2007 – Scott Bankes and Billy Randle, team roping
2008 – Shaleigh Smith, barrel racing
2009 – Geff Dawson, bull riding
4th series
2010 – Jerry Short, bareback riding
2011 – Wayne Bailey, steer wrestling
2012 – Keegan Knox, saddle bronc riding
2013 – Duane Carson, tie-down roping
2014 – Karl Langvardt

Work begins on \$19 million research project on cattle grazing, soil health, rancher well-being

• Cont. from page 1
management decisions on grazing lands are connected to the overall health of the ecosystem, economics and the well-being of farmers, ranchers and land managers.

While in its infancy, the project represents a platform from which additional research and expansion of its geographic footprint can occur. Scaling would be intended to add additional economic understanding and resolution to the research. As the project continues, the team will actively explore private and public funding opportunities to enable additional project development.

"We see expanding this research to include other states and partnering with market partners to deliver beef to consumers through varied market channels," said Steve Rhines, president and CEO of Noble Research Institute. "This

would allow us to create a clearer picture of the impacts of climate-smart grazing land management

on farmer and rancher profitability, as well as consumer impacts."



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- 1 teaspoon celery seed
- 1 teaspoon sugar

Layer cabbage and onion in a large bowl. Pour 3/4 cup of sugar over. **DO NOT MIX.** Combine oil, vinegar, salt, dry mustard, celery seed and 1 teaspoon sugar in a saucepan. Let come to a boil. Pour hot dressing over cabbage and onions. **DO NOT MIX.** Let set covered in refrigerator for at least 3 hours or overnight. Mix before serving.

Millie Conger, Tecumseh:

HONEY BUTTER CORN

- 2 tablespoons butter
- 2 tablespoons honey
- 1 tablespoon onion, finely minced
- 16-ounce package frozen corn
- 2 ounces cream cheese, cut up
- 1/4 teaspoon salt
- 1/4 teaspoon pepper
- 1/2 cup Parmesan cheese

In a skillet melt butter and honey; cook 3 minutes.

Add onion and cook 3 minutes. Put in frozen corn and cook and stir 5-8 minutes. Add cream cheese, salt and pepper and stir and cook about 3 minutes longer. Before serving top with Parmesan cheese.

Kimberly Edwards, Stillwater, Oklahoma:

ORANGE CREAM CHEESE MUFFINS

- 3 ounces cream cheese
- 1/4 cup sugar
- 1 egg
- 1/2 cup orange juice

- 1 3/4 cups buttermilk biscuit mix
- 1/4 cup chopped pecans
- 6 tablespoons orange marmalade

In a bowl beat cream cheese and sugar. Add the egg and orange juice. Beat well. Stir in the biscuit mix only until dry ingredients are moistened. Fold in pecans. Grease six jumbo muffin pans generously. Spoon 1/4 cup batter into each cup. Spoon 1 teaspoon marmalade into the center of each muffin. Divide remaining batter over marmalade. Bake at 400 degrees for 20 minutes or until golden brown. Let stand 5 minutes before removing to a cooling rack.

Susan Schrick, Hiawatha:

MARSHMALLOW CARAMEL POPCORN

- 1/2 cup brown sugar
 - 1/2 cup butter
 - 10 marshmallows
 - 12 cups popped popcorn
- Microwave sugar and butter for 2 minutes. Add marshmallows and microwave another 1 1/2 to 2 minutes. Pour over popcorn.

Kellee George, Shawnee:

SOUR CREAM CUCUMBER SALAD

- 3 medium cucumbers, peeled & thinly sliced
- 1/2 teaspoon salt
- 1/2 cup finely chopped green onions
- 1 tablespoon white vinegar

- Dash white pepper
 - 1/4 cup sour cream
- Sprinkle the cucumbers with salt. Let stand 15 minutes. Drain liquid. Add onions, vinegar and pepper. Just before serving stir in sour cream.

Jackie Doud, Topeka:

ANGEL FOOD TORTE

- 1 prepared angel food cake
 - 16 ounces Cool Whip
 - 2 cups fresh or frozen blueberries, raspberries or sliced strawberries
- Slice cake in thirds horizontally. Spread each layer with Cool Whip. Spread each layer with fruit (drained if frozen). Reassemble layers and top with more Cool Whip. Refrigerate until ready to serve.

Rose Edwards, Stillwater, Oklahoma:

HONEY BAKED CHICKEN

- 3-pound fryer chicken, cut up
 - 1/3 cup butter
 - 1/3 cup honey
 - 2 tablespoons mustard
 - 1 teaspoon salt
 - 1 teaspoon curry powder
- Cooked rice

Place chicken skin side up in a 9-by-13-inch baking pan. Combine all remaining ingredients, except rice, and pour over chicken. Bake at 350 degrees for 1 1/4 hours basting with the pan juices every 15 minutes. Serve with rice.

The Right Tools And Materials Help To Build A Better Tomorrow

Good health is something we can build over time. We can do this by ensuring that we have the right tools and materials to build the foundation for a healthy life.

Here are 5 tips to help you build a healthful life:

1. Build a healthy plate: Using the MyPlate standard to create your meals is a great way to build a well-balanced meal; a well-balanced diet includes grains, fruits, vegetables, protein, and dairy. Other things to keep in mind when building your

plate are the following: make half your grains whole, switch to skim or 1 percent milk, make half of your plate fruits and vegetables, and vary your protein food choices.

2. Cut back on foods high in saturated fats, added sugar, and salt: Many people consume more saturated fat, sugar, and sodium than they'd ever believe! Added sugars and fats add up fast when looking at calories- check the nutrition labels of some of your favorite foods! Focus on choosing foods and

beverages with little or no added sugar. Too much sodium has been shown to increase one's blood pressure; try looking for low-sodium or no salt added canned goods.

3. Eat the correct amount of calories for you: Each person has a unique amount of calories that are needed to maintain a healthy weight; this might take some experimenting. People who are successful at managing their weight have found ways to keep track of how much they eat in a day, even if they don't count every calorie. When eating out, choose a lower calorie option, or cook more often at home! When we cook at home, we are in control of what's in our

food.

4. Be physically active: Find some type of physical activity that you enjoy! Start by dedicating at least 10 minutes a week to start if physical activity is new for you.

5. Use food labels to help make better food and beverage choices: Most packaged foods and beverages have a nutrition facts label and ingredients list posted on them. We can use these two things as tools to select healthier options when purchasing goods.

For more information, go to www.dietaryguidelines.gov, or contact, Katherine Pinto, EFNEP and SNAP-Ed Agent, kd Pinto@ksu.edu or 620-232-1930.



Baking With Sugarbuns

By Michele Carlyon Long Drives

When I was first offered the option of getting my farm permit at fourteen, so I could drive back and forth to school and run errands for the family, I was completely against it. Having some distant relatives pass in horrific car accidents left me terrified to start driving on my own, and I was perfectly content being chauffeured around by my parents. After some persuading and lots of self-doubt, I went ahead and got my farm permit and my first car, a blue 1993 Ford Escort.

Once I got over the initial fear of driving, I was driving everywhere; always looking for a reason to go and always eager to just be going somewhere. It gave me an escape from what always seemed like our middle of nowhere island that we called home; a way to get from point A to point B without having to wait on someone else to take me and I loved that. My license also gave me the opportunity to get my first real job; scooping ice cream and decorating cakes at Baskin-Robbins. I was the youngest one there at the time but thrilled to be earning my own money and to be driving wherever I needed to go.

High school eventually ends for all of us and then came college and road trips with my best friend, Kari. We drove everywhere from Florida to Colorado and anywhere else we might have had a random whim to go. We climbed mountains, we ate delicious food, we went on a cruise and just lived our best lives. I also made the drive to North Carolina for a summer with my youngest brother in tow for the drive there, to complete an internship.

After college came the reality of finding a real job and figuring out what I wanted to do with my life. For a while that was being a manager at a steakhouse in Manhattan and sneaking away any chance I could to drive home and spend time with family. Later that became managing a steakhouse in Junction

City and moving back to be closer to family and the long drives became more to see friends than anything. Currently I am an office manager in Junction City for a manufacturing company. In the beginning of taking this position, I was living in Junction City, less than ten minutes away from work, but with my new chapter of life of creating a life with Kyle, I am now an hour away from work.

I make the long drive to and from work each day. When I moved to Topeka, I could have easily justified finding a new job right away, but I was not ready for that much change, so I committed to the daily long drives. Gas prices are out of this world, but for some crazy reason, I very much still enjoy the drive. Quiet time to myself, time to call and jabber at family members that I no longer see as often, time to jam out to whatever music I want, or more recently, listening to podcasts. The long drives provide some time for just me. While I hate that I am losing two hours each day spending quality face time with people I love, I am always reminded of the peace that I find in those long drives and that time each day just being with me. Time that we so often forget to spend on ourselves and time that we feel guilty for wanting to spend on ourselves. I know my long daily long drives will eventually have to come to an end, but for now, I will cherish them for everything they are worth.

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](https://www.instagram.com/boobsbrainsandbaking).

If you would like to contact Michele with comments please email mcarlyon88@gmail.com

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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: wahattions@agpress.com

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Frugal Foods: Spend Less — Get More

By Cindy Williams,
Meadowlark Extension
District, Food, Nutrition,
Health, and Safety

One topic that has everyone talking about it is the higher price of food. So, it has become even more important to find ways to get the most from your grocery dollars. Building meals based around the most low-cost, health-promoting foods is one way to cut costs while still providing good nutrition for our families. Let's look at some of those so-called "frugal foods."

The following foods are among the least expensive, great-tasting, and most health-promoting foods available. They offer great taste while packing a nutritious punch. Try them for breakfast, lunch, supper and snacks.

Apples and Bananas. These are a perfect on-the-go snack. Both are satisfying and a sweet nutritional powerhouse which can be eaten either raw or cooked in a variety of ways. Eat one alone or add to salads, desserts and baked goods.

Beans. Beans offer dietary fiber, protein and antioxidants that help fight disease. Canned beans cost about 30 to 35 cents per serving (maybe higher now). Dry varieties that you cook yourself cost even less. Serve them as a main dish or healthy addition to a soup or salad. Keep them on hand to pack into brown bag

lunches and to make quick meals.

Brown Rice. With a slightly nutty taste, brown rice is a fiber-rich whole grain that is more nutritious than white rice. Brown rice can be served with cinnamon and milk for breakfast, used to complement a variety of entrees, and as a flavorful addition to soups, stews, casseroles and salads.

Canned Tomatoes. Canned tomatoes make a great base for countless main dishes, dips, sauces, soups, stews and chili. Tomatoes are rich in vitamin C and lycopene (two healthful antioxidants). Buy them without added salt if possible.

Canned Tuna. Tuna offers high protein at a low cost. The versatile fish is a source of vitamin D, low in calories and fat, and lends itself to sandwich fillings, salads and main-dish casseroles. Tuna is also a good source of heart healthy Omega-3 fatty acids.

Eggs. Eggs are a relatively inexpensive high protein food. Boiled, fried, or scrambled, eggs cook quickly. They are perfect for breakfast, lunch or supper. For variety, try French toast, huevos rancheros, or egg salad.

Fat-free Milk. A natural convenience food, fat-free milk offers a healthy dose of vitamin D, calcium, protein and potassium. Milk is important in building and

maintaining healthy bones. Serve fat-free milk as a beverage with meals and snacks, and use in soups, smoothies and desserts.

Kale. Kale is one of the least costly green vegetables you'll find. Kale is easy to serve stir-fried with a small amount of vegetable oil and garlic, lightly steamed, or as a colorful addition to salads. Kale is even good used as a topping on homemade pizza, or in green smoothies.

Potatoes. White potatoes and sweet potatoes are satisfying and are high in dietary fiber, vitamin C and potassium. They can be baked, broiled, steamed, mashed, pan or oven-fried, roasted, or added to soup, stews and casseroles.

Rolled Oats. At just a few cents per cup, rolled oats is a heart-healthy whole grain with 4 grams of dietary fiber. Rolled oats also offer complex carbohydrates that break down slowly to provide lasting energy and stave off mid-morning hunger. A perennial hot-cooked cereal, oats also can be included in such foods as breakfast bars, breads, rolls, cakes, cookies, meat-loaf and more.

Needing to get the most from your food dollars? Building meals and snacks around these "frugal foods" helps to ensure good nutrition for your family yet allows you to spend less on trips to the grocery store.

several online resources, including the publication "Storing Fresh Produce" at mnext.us/StoringFreshProduce.

For low-income individuals, MU Extension offers free food preparation classes through the Family Nutrition Education Program. Visit extension.missouri.edu/programs/FNEP.

For general consumers, a variety of resources are available through the MU Extension Food Safety website at mnext.us/FoodSafety.

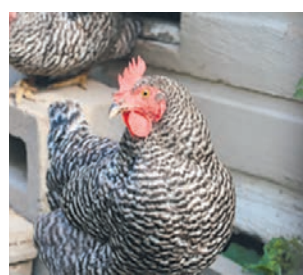
More information is also available from county Extension centers in Missouri. Find your county Extension center at extension.missouri.edu/locations.

more peaceful place to wander through.

Fast forward to the farm store and my mind began to mull over the idea of taking home a few chicks. They didn't have the exact breeds I wanted - I had planned for our next flock to be comprised of Dominiques, Golden Laced Wyandottes, and some Easter Eggers, simply for the novelty of colored eggs and because I had never had any.

The stock tanks were beckoning me though and once I began to seriously entertain the thought of taking some home, the idea wasn't leaving. Forget that I had no place prepared for them yet, we could make it work, I reasoned to myself.

As we walked out those sliding doors later that afternoon, we carefully guarded the two boxes of peeping babies that were now under our protection. I had gone with half Barred Rocks and half assorted Easter Eggers.



Barred Rocks are very similar to Dominiques with one of the most noticeable differences being the rose comb that Dominiques have as opposed to the single comb of the Barred Rocks. Hav-

ing had both breeds (and excluding the violent rooster), the hens have been an absolute joy to have on the yard. There was a little frustration establishing a pecking order when the youngest chickens recently joined the flock, but now they can even roost together and seem to get along just fine.

There are perks to buying chicks through either method, whether using a hatchery's website online or in a farm supply store. Online you will be able to browse a greater selection of breeds, while in store you have the advantage of hand-selecting your individual chicks (from picking the color of chick to checking for pasty butt, this can be an added benefit). Either way, it's important to pick up some medicated chick feed along with your chicks (or have it ready and waiting for when they arrive) and a warm place that can be quickly prepared to house your new babies.

It's about time to head outside now and check on everybody; they'll be wanting let out before too long. The yard is too tempting with its promised grasshoppers and other creeping little insects.

Ashleigh is a freelance writer and the gal behind the website, *Prairie Gal Cookin'* (www.prairiegal-cookin.com), where she shares step-by-step recipes and stories from the farm in Kansas.

Summer Food Safety Tips Specialist Explains How To Pick The Best Produce And Prepare A Safe Picnic

KANSAS CITY, Mo. – Summer is a time for enjoying fresh fruit and vegetables and outdoor picnics. Don't let food safety mistakes spoil the fun.

Food safety doesn't begin in the kitchen, or even the market, says Londa Nwadike, Extension food safety specialist for the University of Missouri and Kansas State University.

"Produce safety is a shared responsibility. Missouri produce growers are working hard to grow produce safely. MU Extension works with partners to provide resources to grow produce safely, and consumers can also do their part to keep produce as safe as possible." A few things to keep in mind when selecting produce at the grocery store, farmers market or farm stand:

- Produce should look fresh, not wilted, and be free of bruises, cuts and nicks.

- Peeled or pre-cut produce must be in cold storage.

- Don't buy produce that is touching the floor. In general, store fresh fruits and vegetables in the refrigerator until you're ready to prepare them, Nwadike says. In the kitchen, always keep hands and surfaces clean.

"Use clean running water to rinse produce before consuming it," she says. "For produce with rough skin, such as cantaloupe or potatoes, use a clean brush."

Cut or peeled produce should not be in the temperature "danger zone" of 40-140 degrees Fahrenheit for more than two hours.

"If cut or peeled pro-

duce might be out for more than two hours from the time you cut it or take it out of the refrigerator, be sure to pack it in a cooler on ice so it stays below 40 degrees," Nwadike says. "It will also taste better that way."

Though it might be more difficult at a picnic or other outdoor gathering, you should still observe the same food safety practices: Wash hands and make sure containers, utensils and any other surfaces touched by produce stay clean. "If you are outside, cover produce to keep animals and insects away," Nwadike says.

For more tips on produce preparation, MU and KSU Extension offer

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A Weak Moment In The Farm Store

By Ashleigh Krispense

Each time I walk out to our chicken coop, I'm greeted by soft, friendly clucks. Our flock expanded earlier this spring after a weak moment in a farm store. What started as simply an enjoyable Sunday afternoon stroll came to a screeching halt when the metal stock tanks full of various poultry came into eyesight. I hadn't planned to get my next batch of chicks that day; I knew what I wanted and had been strategizing on what hatchery to order my favorite breeds from.

When I had bought the chickens that made up our original flock, they came from Cackle Hatchery in Lebanon, Missouri. Seventeen fluffy little babies showed up in the mail, their soft peeps coming through the holes of their cardboard carrier. A plywood crate was constructed under a heat lamp in the brooder house and they eventually grew up into a wonderful flock of birds. Minus one.

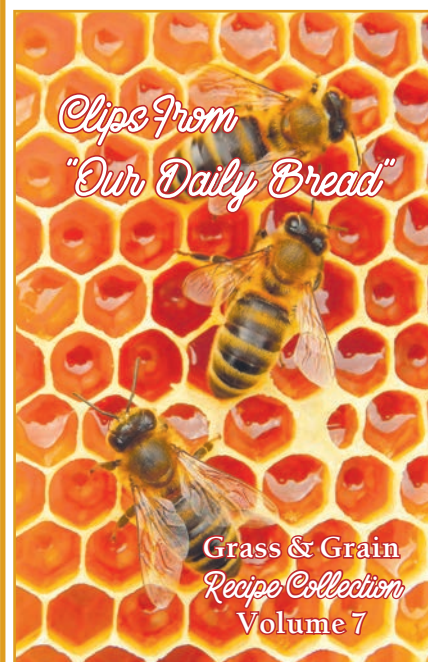
The rooster that accompanied our girls turned out to be a terrible bird. At some point he decided that regardless of how kind the humans were, the backs of our legs were meant to be flogged. It got to the point that I had to carry some means of self-defense just to venture out to the chicken house. From pitchforks and long-handled hoes to an empty tube that had held baler mesh, I wanted something sturdy to ward off attacks. Eventually he was no longer with us and our yard became a safer,

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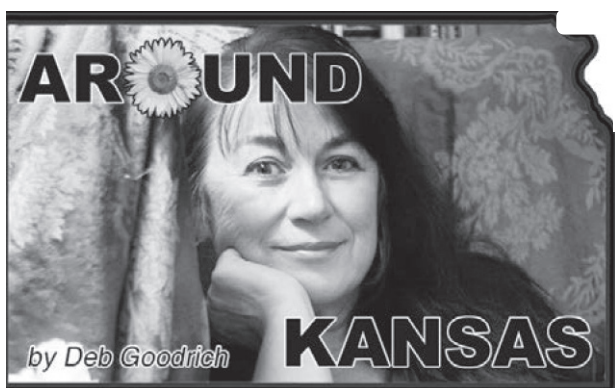
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Apply now for the 2022-23 ASA Corteva Agriscience Young Leader Program

If you're passionate about agriculture and ready to hone your skills and network to become a leader in the industry, the American Soybean Association and Corteva Agriscience are looking for you to apply for the next class of ASA Corteva Young Leaders.

The Young Leader program, sponsored by Corteva Agriscience and ASA, is a two-phase educational program for actively farming individuals and couples who are passionate about agriculture. The men and women who participate in this program will be the leaders that shape the future of the industry.

Phase I of the 2022-23 Young Leader program will take place Nov. 29-Dec. 2, 2022, at Corteva's Global Business Center in Johnston, Iowa. The program continues March 7-11, 2023, in Orlando, Florida in conjunction with the annual Commodity Classic Convention and Trade Show.

"As a member of the Class of '09, I can tell you that this program is important and has had a real impact on not only the soybean industry, but all of agriculture," said ASA president Brad Doyle, an Arkansas soybean grower and graduate of the

program. "By identifying growers who are interested in stepping into leadership roles and then providing them with top-notch training, the Young Leader program has enabled industry success by providing us with strong, informed and connected leaders. The program also gave my wife Joyce and me the opportunity to build meaningful relationships with other soybean growers from across the country. We still chat with some of our classmates regularly. We are grateful to Corteva for their long-term support of this program."

Soybean growers, both individuals and couples, are encouraged to apply for the program, which focuses on leadership and communication, agricul-

ture trends and information, and the development of a strong and connected network. Interested partners, even if not employed full time on the farm, are encouraged to attend and will be active participants in all aspects of the program.

ASA and Corteva Agriscience will work with the 26 state affiliates and the Grain Farmers of Ontario to identify the top producers to represent their states as part of this program.

"America's farmers are working hard every day to provide food and agricultural products that meet the growing needs of people everywhere. It's critical for governments, society and other stakeholders to hear farmers'

voices as they shape policies and programs that support agriculture and rural communities," said Matt Rekeeweg, U.S. Industry Affairs Leader, Corteva Agriscience. "We are proud to continue our support for the ASA Corteva Agriscience Young Leader Program, which is developing the next generation of grower leaders and advocates for agriculture."

Applications are being accepted online now.

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Wearing my historian hat, I was going through 1870 Census records the other night looking at the folks who served at Fort Wallace. Particularly, I was looking for records of the laundresses, those often-forgotten women who worked so hard to make life liveable on the frontier posts. Their names and faces are mostly forgotten now, but we aim to change that.

Through the support of our Guardians of Fort Wallace and other generous donors, the Fort Wallace Museum has several life-like sculptures created by artist Melissa Rau. Her work brings to life the Cheyenne warrior Roman Nose, Post Surgeon Theophilus Turner, and Buffalo Soldier Reuben Waller. She has also loaned to us the figure of James B. "Wild Bill" Hickok, and a fine figure it is! Our next sculpture will be that of a laundress and I have been asking the dusty gods of artifacts to reveal an image of one of these women. Well, if we cannot find a picture, perhaps we can find a real person to portray.

I pored over the names

and one stood out, Lucy Curry. She had three small children and had been born in Ireland. I phoned my partner-in-historic-crimes, Michelle, and put her on the trail. Over the last couple of days she has connected the dots from our Lucy to the Lucy buried in the National Cemetery at Fort Leavenworth after having served as matron in the hospital there for 21 years.

She has found details on others, too, and slowly, one detail at a time, these ladies are emerging from the shadows, rising from obscurity to tell their stories.

We are so excited to meet them, and, eventually, to introduce you to them!

Deb Goodrich is the co-host with Michelle Martin of *Around Kansas* TV show and the *Garvey Texas Foundation Historian in Residence at the Fort Wallace Museum. She chairs the Santa Fe Trail 200. Contact her at author: debgoodrich@gmail.com.*

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- Charlson & Wilson Bonded Abstracters
- Citizen's State Bank of Marysville
- CivicPlus - Manhattan
- Clay Center Livestock Sales
- Crooked Creek Ranch - Rusty & AJ Berry
- Crossroads Real Estate & Auction - Bill Disberger
- D & I Plumbing Heating and Air
- Danenberg Jewelers
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- Dikeman Simmentals - Michael Dikeman
- Nicholas Dobesh
- Don's Tire and Supply Inc - Abilene
- Edward Jones - Catherine McKinley CFP
- Express Lube
- Fancy Creek Charolais
- Farmers Cooperative - Beatrice NE
- Film At Eleven Inc
- Fink Beef Genetics/LABCO Market
- John Ford
- Friesen Motors - Clay Center
- Fritz Oil Company - Leonardville
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- Kellstrom Pharmacy - Milka Goodlet
- Key Feeds - Fourth & Pomeroy - Clay Center
- KS Financial Services - Dwight Johnson
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- Merck Animal Health - Troy Warnken, Jenna Goetzman
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- Taylor Seed/Wienck Seed - John Wienck - Randolph
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Next generation: High school students get lessons in livestock leadership

Twenty students from across Kansas and beyond came together to build their knowledge and leadership skills in the livestock industry during the 13th annual K-State Animal Science Leadership Academy June 22-25 at Kansas State University.

Hosted by the K-State Department of Animal Sciences and Industry and sponsored by the Livestock and Meat Industry Council Inc., academy director Sharon Breiner said the academy's goal is to develop young leaders within the livestock industry and prepare them for a successful future in the field.

Breiner said students participated in interactive leadership development and educational lab sessions led by faculty members from across the K-State campus. KASLA included several livestock industry tours, with off-campus stops at Hildebrand Farms Dairy (Junction City) and the



Students attending the 2022 K-State Animal Science Leadership Academy (KASLA) June 22-25 in Manhattan include, front row, from left: Corley Becker (staff), Lacey Rust, Jenna DeRouchey, Brianna Hula, Carly Dreher, Paisley Palmer, Hailey Butler, Ainsley Pecenka, Katrina Turner, Kaylen Langhofer, Kaylee Noll and Madison Baker. Back row, from left: Ashley Hartman (staff), Eli Temanson (staff), Gavin Beesley (staff), Adelle Higbie, Nick Doering, Kaden Weltmer, Creed Caldwell, Strid Loudon, Bryce Hoeltzel, Emma Deghand, Trinadee Fetters, Grace Schmeidler, and Sharon Breiner (academy director).

Kansas Department of Agriculture (Manhattan). Students also were given tours of university farms

and department facilities. For their final project, the students were divided into groups to focus on

current issues in the livestock industry, assisted by K-State faculty mentors. Using information they

learned throughout the academy, the groups were asked to present their subject as part of the closing

reception on the final day.

This year's class included: Madison Baker, Union City, Michigan; Hailey Butler, Wamego; Creed Caldwell, Parker; Emma Deghand, Mayetta; Nick Doering, Basehor; Jenna DeRouchey, Wamego; Carly Dreher, Iola; Trinadee Fetters, Council Grove; Adelle Higbie, Overbrook; Bryce Hoeltzel, Olsburg; Brianna Hula, Manhattan; Kaylen Langhofer, Plains; Strid Loudon, Goodland; Kaylee Noll, Oskaloosa; Paisley Palmer, Satanta; Ainsley Pecenka, Spring Hill; Lacey Rust, Hartford; Grace Schmeidler, Hays; Katrina Turner, Derby; Kaden Weltmer, Smith Center.

More information about the academy and future programs is available on the lasi.ksu.edu/youthlivestock K-State youth livestock program website. Additional questions can be directed to Breiner at sbreiner@ksu.edu, or 785-532-6533.

K-State wildlife specialist discusses what to do when bats take up residence

By Jessica Jensen, K-State Research and Extension news service

Bats are interesting creatures that can squeeze through small spaces, including a dime-sized hole in your house.

"This time of year, our Extension offices and I di-

rectly get a fair number of calls from homeowners that have bats in their attic or house and that is a concern," said Drew Ricketts, K-State Research and Extension wildlife specialist.

When a bat is found in a home, the first thought is to call a pest control com-

pany, he said.

"Many people reach out to a pest control company and what they hear is (the company) cannot remove the bats right now because there are probably pups (baby bats) in the attic and they need to wait until fall to do that," Ricketts said.

Adult bats can fly, but the pups cannot, which can be a problem if removal is attempted during this time of year. "There is no way for the pups to get out when the adults have been

excluded, and since the pups can't fly, they will end up dying and causing an even bigger health risk," Ricketts said.

According to Ricketts, bats can create several health risks: "When bats are in the attic, feces and parasites, including bat bugs, are the concern. The feces have a fungal disease that can lead to a respiratory illness in people. Bat bugs, which are like bed bugs, can bite though they probably won't trans-

fer a disease."

The greatest concern, he added, is bats in the living areas. Bats can transmit rabies to people without them knowing because of the size of their mouth. "Everyone in the house needs to be able to answer the question 'Did I come into contact with the bat?' and if everyone in the house cannot answer that question as a definite no, then the bat needs to be collected and tested for rabies," Ricketts said. Call the KDHE Epidemiology Hotline at 877-427-7317 or the local county health department to determine if a bat should be collected for testing, or if someone may have come into contact with a bat that wasn't collected.

Since removal is difficult this time of year, Ricketts suggests next steps during mid-August through October once pups can fly:

- Put up a one-way ex-

clusion valve.

- Prevent entry through vents and similar openings with metal wire screen that has ¼ inch or smaller openings.

- Seal other entryways with black expanding foam.

If a pest control company is used, they will take care of removing the bats and putting in the permanent measures for exclusion.

Ricketts notes resources to learn about bats and how to deal with them, including:

- K-State Extension Wildlife Management.
- Kansas Department of Wildlife and Parks - Bats in Houses.

- Kansas Department of Wildlife and Parks - Nuisance Wildlife Damage Control.

Ricketts' full discussion on this topic is available on the weekday radio program, Agriculture Today.

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Manage fungicide applications for highest effectiveness

By David G. Hallauer, Meadowlark District Extension Agent, crops and soils/horticulture

A tour of Meadowlark Extension District fields recently suggested consistent presence of Gray Leaf Spot (GLS) in scouted fields at very low levels. That's a good sign – but one that could change rapidly as we proceed through the growing season. As the

optimum application window approaches (years of fungicide application research suggest the single best time to apply fungicide to corn for GLS control is from VT to R1), it's a good time to think about how we manage fungicide applications to achieve the highest effectiveness.

Timing is one key. Early applications (V7/V8) won't persist against late-season

pressure. Protection from the fungicide is limited and if disease pressure is sufficient, a second application may be needed. If GLS isn't an issue, but you are worried about southern rust and want to wait to see what happens on that front, keep in mind that foliar fungicides are best applied prior to R5 for southern rust control (think in the R2 range).

Visit <https://corn.ipmpipe.org/southernrust/> to follow Southern Rust progress (currently found in Louisiana and points east, but not yet north). For fungicide recommendations, visit the Crop Protection Network at:

https://cropprotectionnetwork.s3.amazonaws.com/CPN2011_FungicideEfficacyControlCornDiseas

es_04_2022-1650470887.pdf. When scouting, consider other factors as well: hybrid susceptibility (more susceptible hybrids will have a greater response to a fungicide), previous crop residues, weather (southern rust is favored by warm days and nights above 80 degrees F with high humidity, field history, and disease pressure. According to the data from

Illinois corn fungicide trials, if at least five percent of the ear leaf area is affected by disease at the end of the season, a foliar fungicide applied at VT and R1 would likely have been beneficial.

With any luck, you'll avoid a fungicide application altogether. If not, it's a great time to evaluate where to focus your efforts.

U.S. soy farmer's sustainability practices focus on soil quality, erosion control

Soil health is top of mind for U.S. Soy farmer Kenny Brinker, who grows soybeans and corn in Auxvasse, Missouri. Brinker's farrow to finish hog operation complements his soy/corn crop rotation.

When Brinker purchased his 1630-acre farm in 1994, the soil quality was so poor that the pH was in the 4.5 to 5 range with phosphate readings in the single digits. Brinker and his family immediately began to work to build the soil back up through a number of methods, including lime application and adding miles of waterways and terraces, which helped stem erosion.

Erosion control is at the heart of Brinker's sustainability practices, which include no-till and cover crops. His farm has been 100% no-till since 1998 and he began experimenting with cover crops around 2014. That first year, he planted 500 acres of cereal rye followed by soy-

beans. Brinker's experiment went so well that he planted cover crops in all of his fields the following year and has been doing so ever since. "Up here on these prairie soils, the topsoil's not that deep and if you start losing it," he says, "it takes a long time for Mother Nature to replace it."

Brinker also recognizes the value of nutrients in livestock manure being recycled as a natural fertilizer for crops in an environmentally sustainable nutrient cycle.

Harvested soybeans come back to his farm as soybean meal that is fed to his hogs – and the nutrients from the hog manure are spread back on the ground again to raise the next crop.

"Sustainability to us is making sure that the land, the resources (are) available to the next generation," states Brinker. "You know, they're not making any more crop land."

Corn planted acreage down 4% from 2021, on-farm corn stocks up 22%

The U.S. Department of Agriculture's National Agricultural Statistics Service (NASS) estimated 89.9 million acres of corn planted in the United States for 2022, down 4% from last year, according to the Acreage report released on Thursday, June 30. Following up on the Prospective Plantings report released in March, NASS surveyed approximately 9,100 segments of land and more than 64,000 farm operators during the first two weeks of June to gather information on what farmers actually planted.

Corn growers expect to harvest 81.9 million acres of corn for grain, down 4% from 2021. Ninety-three percent of all corn acres planted in the United States are biotech varieties, unchanged from 2021.

Wheat planted for 2022 is estimated at 47.1 million acres, up 1% from last year. This represents the fifth lowest all wheat planted area on record since records began in 1919. Winter wheat planted area is estimated at 34.0 million acres, up 1% from 2021. Other spring wheat planted area is estimated at 11.1 million acres, down 3% from 2021.

The quarterly Grain Stocks report for both on-farm and off-farm stocks as of June 1 showed corn stocks totaled 4.35 billion bushels, up 6% from the same time last year. On-farm corn stocks were up 22% from a year ago, but off-farm stocks were down 6%. All wheat stored totaled 660 million bushels, down 22% from a year ago. On-farm all wheat stocks were down 34% from last year, while off-farm stocks were down 19%.

The Acreage and Grain Stocks reports and all other NASS reports are available online at www.nass.usda.gov/Publications/.

We want to see your Kid's Corner pages!



Send us any completed Kid's Corner page and you could **win a prize!**

*Contest will run July 5th, 12th, 19th, and 26th — 4 chances to win!!!!

Winners will be drawn randomly from all submissions received by 9 a.m. the Friday prior to the edition.

*No limit on number of submissions, but you may only win once.

YOU COULD WIN:

<p>Week 1 - July 5: CONGRATULATIONS Tate Wenderott of Alma, KS  (1) Kid Pass to the Flint Hills Discovery Center; (1) Kid Pass to Geographic Kids 'Great Migrations - Butterflies' book</p>	<p>Week 2 - July 12: CONGRATULATIONS Rachel Mullet of Wakefield, KS  (2) Kid Passes to the Flint Hills Discovery Center</p>
<p>Week 3 - July 19: Deadline to win: 9 a.m. Friday, July 15th* (2) Kid Passes to the Flint Hills Discovery Center</p>	<p>Week 4 - July 26: Deadline to win: 9 a.m. Friday, July 22nd* Family Pack (2 Adult, 4 Kid Passes) to the Flint Hills Discovery Center</p>

BE SURE TO INCLUDE YOUR NAME, AGE, MAILING ADDRESS & PHONE NUMBER WITH EACH SUBMISSION.

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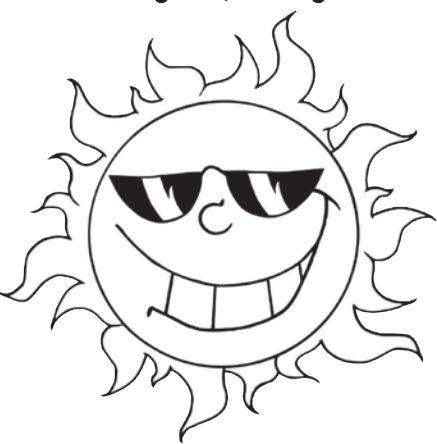
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- Paintbrush
- PVA / Craft Glue
- Buttons / Beads / Felt for decoration
- Scissors / Pruning Shears
- Thin Twigs / Lollipop Sticks
- Hole Punch
- Bird Seed
- String

- Getting Started...**
Ask an ADULT to cut a hole in the back side of the carton. The spout should be facing away from you.
- Get Messy!**
Paint all the sides of the carton any colour you wish.
TIP: Darker colours work best, with lighter coloured paint you may need a few coats.
- Now for the Fun Part...**
Decorate the sides of your carton with anything you have to hand. Buttons, beads, felt or even stickers work well! Use craft or PVA glue to stick to the carton.
- Nearly There...**
Next we need to create a perch for your bird to sit on. Take the hole punch and make a hole just below the bottom of the window. Now take a long stick and push it through until it reaches the back of the carton.
- Finishing Touches**
Get an ADULT to make a hole through the cap of the carton. Thread some string through and tie a knot at the reverse side of the cap. Screw the cap back onto the carton.
- Voila...**
Now fill the bottom of your bird house with the bird seed. Then find a good spot in your garden to hang up your bird house and enjoy!

Fill in each mini-grid to the right with the letters of **SUNBATHER** so that every row, column, and mini-grid contains the whole word!
Don't guess, use logic!!



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Kansas-Oklahoma Arkansas River Compact meeting to be held July 20

The 58th Annual Meeting of the Kansas-Oklahoma Arkansas River Compact Commission will be held in the Pittsburg State University Strategic Initiatives large conference room at The Foundry @ Block22, located at 402 N. Broadway, in Pittsburg on Wednesday, July 20, at 9:00 a.m. Anyone interested in water-related activities within the Arkansas River basin in Kansas and Oklahoma is encouraged to attend.

Kansas and Oklahoma entered the Arkansas River

Compact in 1965. The purpose of the Compact is to promote interstate comity, to equitably divide and promote the orderly development of the waters of the lower Arkansas River basin, to provide an agency for administering the waters of the basin, and to encourage an active pollution abatement program in each state.

The Compact Commission is composed of three Commissioners appointed by the Governor of Kansas and three Commissioners appointed by the Governor of

Oklahoma, and is chaired by a federal representative appointed by the President of the United States.

Questions about the meeting can be addressed to Chris Beightel, Kansas Department of Agriculture, Division of Water Resources, at 785-564-6659 or Chris.Beightel@ks.gov. Additional information about the Kansas-Oklahoma Arkansas River Compact and the Annual Meeting can be found on the KDA website at www.agriculture.ks.gov/KOARC.

National Association of Wheat Growers' 2023 Farm Bill priorities

The National Association of Wheat Growers (NAWG) shares their 2023 Farm Bill priorities as Congress prepares for the next farm bill. As lawmakers continue to review the 2018 farm bill and start crafting the next farm bill, wheat growers will be advocating for these priorities with lawmakers on Capitol Hill to develop programs that will help wheat growers manage risk, ensure conservation

programs work on the farm and enhance U.S. trade that supports rural America.

The priorities include:
• Protecting crop insurance, to ensure growers have a strong and reliable safety net that provides assistance to wheat growers when needed in times of disaster

• Supporting the financial and technical assistance provided through voluntary conservation

programs
• Increasing the reference price for wheat in Title I to cover the cost of production more accurately

• Enhancing USDA's market access and development programs to enhance trade

"The Farm Bill addresses many programs that are critical for wheat growers, and we look forward to actively engaging in the Farm Bill reautho-

rization process. Sharing NAWG's priorities today is one step in this process. NAWG has been actively seeking Farm Bill feedback through our grassroots network and various outreach tools, and we will continue to refine these priorities in the coming months," said NAWG president and Washington state wheat grower Nicole Berg. "The farm bill not only benefits wheat growers but all as-

pects of American agriculture. It is very important wheat growers' voices are heard on Capitol Hill and that members of Congress understand what worked and what can be improved upon as the committees work towards reauthorizing the Farm Bill in 2023. I am very appreciative of all the wheat growers who participated in the Farm Bill survey and committee work session that helped us determine our priori-

ties. NAWG looks forward to working with Congress and other agricultural organizations to pass a Farm Bill that benefits the industry."

As the House and Senate Agriculture Committees continue to review the 2018 Farm Bill programs, NAWG will work with Capitol Hill to advance these goals as the committee debates and considers the next Farm Bill.

NCGA offers new tool for your BMP toolbelt

NCGA has a new tool for growers: the Corn Rootworm Risk Tool. This calculator allows farmers to enter historical and current management data — along with corn rootworm intensity — to determine the potential risk of developing resistance to valuable Bt traits. By using the infor-

mation submitted by the farmer or their technical advisor, the tool provides growers with a low-, medium-, or high-risk level and summarizes the appropriate best management practices for each scenario.

This predictive tool is a helpful resource — not a replacement — for

proactive conversations with technical advisors on what practices and strategies to employ. The ultimate objective of the calculator is to suppress corn rootworm populations using Integrated Pest Management (IPM)

and to assist farmers in maintaining the effectiveness of important tools — like Bt corn — for generations to come.

Suppress insect pest populations and maintain the effectiveness of Bt products for future grow-

ing seasons! Visit btrisk.iwilltakeaction.com to assess your potential risk for resistance.

For additional insect-resistance BMPs: iwilltakeaction.com/insects.

The Corn Rootworm

Risk Tool was made possible thanks to financial support from Corteva Agriscience and technical support from the Agricultural Biotechnology Stewardship Technical Committee (ABSTC).

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(Car to sell at 1 PM)

AUCTION LOCATION: 514 Columbia St., COUNCIL GROVE, KS 66846

2008 Dodge Caliber R/T (will sell at 1pm), AWD, 2.4L, 81,230 mi;
FURNITURE: (Oak Wardrobe; Oak Buffet; Green Hutch Cabinet; Oak Chest of Drawers; Eastlake Style Dresser & Drop Front Secretary; Primitive Wood Chest; Iron Bed w/Mattress; Whaling Ship Trunk; Round Oak Table w/Chairs; Bent Twig Furniture); **ANTIQUES & COLLECTIBLES:** (Single Wash Tub w/Stand; Dazey Churn #40; Wire Egg Baskets; Several Quilts; Watt Pottery Apple Deep Mixing Bowls; Green Depression Juicers; Enamel Bread Box); **JEWELRY, COINS, CLOTHES:** (Fur Coats (Walker Brothers, Metzger Group by Erika, Grandella Sportowne); 10K Diamond Ring; 14K Ring; Misc Jewelry; 1917 Mercury Dime; US Proof Sets; 1966-67 Kennedy Halfs); **CROCKS & POTTERY:** (#4, #6 w/Leaf, #2 w/Leaf, #5, Pacific #3, Western #3; Marshall Pottery #2 Churn; Green Crock Bowls & Pitchers); **CRAFTING ITEMS:** (Singer Sewing Machine; Rigby Model D Cloth Stripping Machine; Misc Linens, Dollies, Quilt Squares; Japanese Kimono Fabric; Scrap Booking; Jewelry Making; Button Collection; Fabric); **APPLIANCES & HOUSEHOLD:** (Crosley Chest Freezer; Magic Chef Washing Machine; Samsung Microwave; Samsung 26" Flatscreen); **SHOP & GARDEN:** (Metal Shelving; Ryobi 18v Drill; Rain Barrel; Misc Tools). **Partial Listing!**

For full listing, terms & photos GriffinRealEstateAuction.com

GRIFFIN
Real Estate & Auction
Phone: 620-273-6421 Fax: 620-273-6425
305 Broadway, Cottonwood Falls, KS 66845
griffinrealestateauction@gmail.com

CHUCK MAGGARD
Sales/Auctioneer
Cell: 620-794-8824
ANDY PHIPPS, Auctioneer
620-794-1673
In Office: Heidi Maggard, Linda Campbell

By Annika Wiebers, K-State Research and Extension news service

Kansas State University horticulture expert Ward Upham casts a leery eye to a sometimes-naughty creature that has its eye on homeowner's gardens.

"It seems the official sweet corn inspector," he said, "should be the raccoon, as they seem to harvest the sweet corn the day before it is to be picked."

Upham, who is also coordinator of K State's Horticulture Rapid Response Center, said many Kansas gardeners have trouble with these mischievous mammals stealing produce — especially sweet corn — before it can be harvested. His suggestion: Use electric or chain-link fencing to thwart the raccoon's efforts.

Upham said an electric fence for raccoons needs to be configured a bit differently than one for cattle. The same wiring and fence posts can be used, he notes, but the wires themselves must be much closer together than fences for cattle.

He recommends a minimum of two wires, with the lowest wire no more than five inches off the ground and a maximum of four inches between each additional wire.

"It is much easier to use woven electric wire with strands of wire embedded than to use a solid metal wire," Upham said. "The woven wire is easier to bend around corners and to roll up when done for the year."

He also favors battery-operated fences over the plug-in variety: "The battery-operated types allow more versatility where corn is grown," he

said. To be effective, the electrical current should be turned on well before the corn ripens because raccoons will be much more difficult to deter once they have stolen a taste.

"Check the wire occasionally to make sure you have current," Upham said. "Weeds can intercept the voltage if they touch a wire, (allowing) raccoons entry."

Upham recommends purchasing a voltage tester to measure the current.

For gardeners who prefer a less shocking solution to raccoon intrusions, Upham suggests a chain link or kennel fence. He cautions users of this method to ensure that there are no gaps large enough for raccoons to squeeze through, and even recommends putting fencing over the top of the enclosure to prevent raccoons from climbing in that way.

Upham and his colleagues in K-State's Department of Horticulture and Natural Resources produce a weekly Horticulture Newsletter with tips for maintaining 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.

Growers disappointed Supreme Court won't hear glyphosate case

Agriculture groups including the American Farm Bureau Federation, American Soybean Association, National Corn Growers Association, National Association of Wheat Growers, and National Cotton Council issued the following statement regarding the U.S. Supreme Court's decision to deny the writ of certiorari petition to hear the case *Monsanto v. Hardeman*, which pertains to state glyphosate health warnings:

"We are disappointed the Supreme Court has decided not to hear this case, which has significant implications for our global food supply and science-based regulation. With the conflict in Ukraine threatening food security around the world and the persistent dangers posed by climate change, too much is on the line to allow the emergence of an unscientific patchwork of state pesticide labels that would threaten grower access to tools needed for productive, sustainable farming. We will be discussing the implications of the court's announcement and will determine what reforms may be needed to ensure a patchwork of state labels does not jeopardize grower access to these vital tools or science-based pesticide regulation."

On May 23, the groups sent a letter signed by 54 agricultural groups to President Biden urging him to withdraw a Solicitor General's brief submitted to the Supreme Court advising against taking up the case. In a disturbing departure from previous bipartisan administrative policy, the Solicitor General's brief argues federal pesticide registration and labeling requirements do not preclude states from imposing additional labeling requirements, even if those requirements run counter to federal findings. The groups will be considering the decision and what additional reforms may be needed to prevent a patchwork of state labeling requirements from disrupting commerce and undermining science-based pesticide regulation.

AUCTION
SUNDAY, JULY 17, 2022 — 10:00 AM

Auction will be held in Kenwood Hall at the Saline Co. Expo, 900 Greeley in SALINA, KS

ANTIQUES & COLLECTIBLES
Roseville pottery (Peony, Pinecone, Cosmos, Foxglove, Magnolia, Blue Thistle, Sunflower); Rookwood pottery (vase, bowl, flower frog); Weller vase & basket; Hager pottery; Hull pottery; **CROCKS inc:** (4 gal elephant ear churn; crock canning jar; 3-4-5 gal Ruckles; crock pitchers; brown top jugs; brown crock w/lid; Red Wing Ko-Rec feeder; 2 gal Western; Crown crock; blue ribbon crock; blue & gray grape pitchers; blue & gray cattail; brown cows; Sleepy Eye pitchers; Mickey Mouse items; Popeye items;

beer signs; comic books; trade cards; belt buckles; 33 records; Little Lulu books; Coca Cola clock; thermometers; quilt; chicken collection; tumble up collection; assortment glass; turkey platter collection; Purinton pottery collection; wall pocket collection; pig bank collection; costume jewelry; necklaces; **pictures inc:** Lone Wolf, Indian, End of Trail, cow, Sleepy Eye label framed; McCandles Hide thermometer; Toy train cars; 2321 FM diesel locomotive; Amtrack locomotive; Lionel stock yard & cattle car; Lionel New Haven engine;

F-3AA diesel engine; 2055 Osa Hudson engine; Osa 2343 F3 SantaFe Ab engine; Marx cars & windup locomotive; miniature sewing machine; spittoon; sad iron; Hurricane lamp; chamber pot; advertising milk bottles; pitcher & bowl; thimble collection; **graniteware collection most red & white inc:** (coffee pots, tea pots, pans, buckets, bowls, child bath tub); platform scales; tractor seat clock & stool; iron water sprinkler; walking plow; well pump; pitcher pump; wagon wheel; **assortment of other collectibles.**

NOTE: We have combined 4 collections. This will be a large auction. Most everything has many pieces in the collections. Check our website for pictures at www.thummelauction.com.

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

AUCTION REMINDER
THURSDAY, JULY 14, 2022 — 10:00 AM

Auction will be held in the Community Center on the South side of the square in JEWELL, KANSAS

REAL ESTATE Sells FIRST at 10:00 AM

TRACT I: 159.29 ac. cropland, pasture & farmstead, Jewell Co., KS
TRACT II: 79.30 ac. cropland & grass, Jewell Co., KS
Thummel Real Estate & Auction LLC is acting as Seller Agent. All statements made day of auction take precedence over printed material.

***Following Real Estate we will sell COLLECTIBLES & COINS inc.:

Furniture, Toys, Guns, Glassware, Watches & Jewelry, Hand Tools & More! Then the CARS, TRUCKS, TRACTORS & MACHINERY inc.:

2009 Chev. 4WD pickup reg. cab, 2014 Ford Fusion 4 dr. car, 2000 Ford car; 1963 Ford F250 4WD pickup doesn't run, 50s 1-ton Chev pickup, 60s IHC pickup & more trucks, JD 3020 diesel tractor w/cab, Massey 410 & 26 combines, & MORE: other machinery for iron.

See Last Week's Grass & Grain for details or www.thummelauction.com for complete sale bill & pics

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

REAL ESTATE & PERSONAL PROPERTY AUCTION

SATURDAY, JULY 23, 2022 — 10:00 AM
Herington Community Building, 810 South Broadway - HERINGTON, KANSAS

REAL ESTATE SELLS AT 12:30
Address: 406 South D Street Herington, KS
DESCRIPTION: Well-kept ranch-style house with a large kitchen w/oak cabinets & a large family room w/stone fireplace. Two bedrooms and 1 1/2 baths on the main level. Two bedrooms and bath in the basement. Oversized 2 car detached garage with 10' tall & 9'10" wide doors. Fenced backyard and 20'x12' storage building. **Great location on a 150'x150' corner lot. Square Feet: 1,958. Taxes: \$2,530.00**

Terms & Conditions: 10% earnest money due the day of the auction. Balance due when Warranty deed and merchantable title are delivered. Closing and possession on or before September 15, 2022. Property sells in As-Is condition. All Buyer's inspection are to be done prior to the auction. Broker and Auctioneers are representing the Seller. For information contact Greg Hallgren, Broker & Auctioneer at 785-499-2897.

full size bdr set; cedar sewing box; wood desk; kitchen cabinet, painted; full size bdr set, dresser & mirror, chest of drawers, bookcase headboard; Walnut rocker glider; white metal kitchen cabinet; wicker settee; vintage rockers; round Oak pedestal table & 4 chairs; blue sofa, sleeper; 2 floral pattern chairs; 2 electric recliners; Century safe; Whirlpool refrigerator, bottom freezer; GE chest type deep freezer; 6 sections of HD metal shelving. **COLLECTIBLES & GLASSWARE:** large collection of glassware; camel back trunk; bubble glass picture frames with vintage pictures; Roseville vase 60-7; chalk Scottie dog; crock bowl; Jadeite vase; Fenton pcs; kerosene lamps; Ruby flash com-

pote; Carnival glass pcs; Fostoria, large selection; Germany Bavaria china 12 place setting; brides baskets; ruby red pcs; Sanjo Noose Rose 12 place setting of china; blue flash fan dish; Currier & Ives china set; Hummel figurines; Hummel plates, large selection; Cuckoo clock, German; bell collection; angels figurine collection; animal figurine collection.

YARD ART, MOWER & MISC:
Yard Art: large selection of concrete yard art; Dixon Speed ZTR zero turn mower 21.5 HP, 42" deck; garden wagon; small Coleman air compressor; 6 gal. shop vac; various hand tools; large selection of kitchen & Xmas items.

SELLER: MARCELLA HERMSTEIN

For pictures go to: hallgrenauctions.net
Terms: Cash or Good Check. Not Responsible for Accidents. Statements made day of auction take precedence over printed material.
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AUCTION
SATURDAY, JULY 16, 2022 — 9:30 AM

Located at 26769 S. Ratner Rd. - QUENEMO, KANSAS
From LYNDON, KS 1/2 m. South on Hwy. 75, then 5 1/2 m. East on Hwy. 68. **3 miles West of Quenemo on Hwy. 68

IH 1066 D tractor; IH 666 hydro dra. tra tractor; IH "H" w/older loader; IH 560D, not running; Ford 8N; Hustler & Dickson zero-turn mowers; Club Car & E-Z golf carts; 2008 Cadillac DTS, 83,000 mi.; 2003 Chevy 2WD PU, single cab, 12,000 mi.; 1993 Jeep G.C. Laredo; 1983 Chevy dually 6.2 dl.; 1971 GMC 2-ton grain truck; 1957 & 1941 grain trucks; Case-IH 1660 combine, trans. promoters; Case-IH grain platform; Case-IH 496 20' wing disk; Case-IH 4800 hyd. wing vibra shank; IH 800 6-R planter; IH 55 12' chisel plow; 25+ pieces of older machinery; contents of 3BR home; several vintage items; Smith & Wesson 38 revolver; TOOLS of all kinds!

NOTE: Farm equipment has not been used for 8+- years. VERY PARTIAL LISTING. 2 RINGS. No Buyer Premium. MUCH MUCH MORE! Cash or Check only - NO Plastic!

RAYMOND & ANN GOLDSMITH ESTATE
Pics & Info:
www.wischroppauctions.com
WISCHROPP AUCTIONS * 785-828-4212 *

2-DAY AUCTION Reminder
See Last Week's Grass & Grain for Listings!

SATURDAY & SUNDAY, JULY 16 & 17, 2022
TIME: 10:00 AM CT/9:00 AM MT (both days)
LOCATION: *SATURDAY at the farm (1490 Rd. 24, WALLACE, KS) 6 miles east of Sharon Springs, KS to RD 24, 1/2 south. *SUNDAY: Event Center building, at the fairgrounds, south edge of SHARON SPRINGS, KS

SELLING SATURDAY, JULY 16
* VEHICLES * GATOR * TRAILERS * TRACTOR & FARM ITEMS * ANTIQUE & COLLECTIBLE FURNITURE * FURNITURE & APPLIANCES & ANTIQUE & COLLECTIBLES * SHOP ITEMS & TOOLS & MUCH MORE!
SELLING SUNDAY, JULY 17
* ANTIQUE FURNITURE * ANTIQUES & COLLECTIBLES * FARM PRIMITIVES * GLASSWARE * COINS & GUNS & MORE!

Check us out on Facebook & at www.berninauction.com
BUDDY ALLAMAN & the Late GLENDA ALLAMAN, OWNERS
BERNINA AUCTION, INC.
812 West M, Leoti, KS 67861, 620-375-4130



Domestic Surgery

When sickness or pain pays a visit we often reach for a familiar commercial remedy in the medicine cabinet. If we forgot to restock, never mind! A quick trip to the corner convenience store or local pharmacist will usually fix what ails us. Medical centers treat every disease with the latest medical methods. Did you break it? Perhaps a more critical injury has interrupted the daily routine. Nevertheless, modern convenience offers peace of mind. Hospitals are generally available and emergency rooms are open twenty-four hours a day.

The lives we live today are a far cry from the challenges faced on the frontier. In 1942 the Kansas State Nurses Association sponsored "Lamps on the Prairie, A History of Nursing in Kansas." Compiled by the Writers' Program of the Kansas Work Projects

Administration, "Lamps on the Prairie" recounted many dramatic stories of perseverance and innovation among the hearty souls that chose to make early Kansas their home.

If a frontier physician was available, he might have a general anesthetic at his disposal for broken bones, axe gashes, gangrenous extremities, or similar afflictions. General anesthetic was developed in 1846. Otherwise, when no doctor was available the patient or his friends did the best they could. The writers of Lamps on the Prairie declared, "Their best was sometimes remarkable," as in the following cases.

The screams that brought a mother rushing to the yard outside her frontier home revealed the scene of an all-too-common accident on frontier homesteads. While in the act of cutting firewood

the ax slipped from the older brother's hands. In the blink of an eye bloody fragments of three of the younger brother's fingers were lying among the wood chips. Snatching them up the mother quickly carried them to the wash tub with her injured son in tow. The fragments and the pitiful severed stumps were washed with "strong" soap and water before the valiant mother bound the pieces back to their rightful place. Two of the "grafts" successfully grew back in place, "one of them with a nail slightly askew."

In another instance a rattlesnake bit a young man. Soon the poisoned leg began to swell. Recognizing the danger to his son's life the father used a knife and saw to amputate the leg. "The boy recovered."

Even the presence of a competent surgeon could sometimes be unworkable. Incredibly, Mrs. Nancy Rogers performed a surgery that defies belief. She was a practical nurse who had come to Wichita in 1869 with two sons. Popular and proficient, Mrs. Rogers recognized the need to treat herself for cancer of the breast, sometime in the late 1870s. She consulted physician and surgeon Dr. Henry Owens of the city who confirmed

the diagnosis. The doctor proposed amputation, "and asked twenty-five dollars in cash for the operation." He would accept nothing less. Unable to raise the money Mrs. Rogers left the doctor's office, quietly driving home in her wagon.

At home she set about cooking a week's worth of food for her sons, telling them that she would be staying with a patient. A nightgown was placed in a large basket along with "a quantity of muslin rags, food, and a butcher knife." One son drove her to town in the wagon. He was told to come back in a week to pick her up. A room for the week cost two dollars.

Once locked away in her room Mrs. Rogers sat on the edge of the bed and proceeded to remove her own breast, carefully cutting the diseased tissue away. "How she managed to survive the shock and to bandage herself is unknown, but she lived for many years."

Far out on the plains of western Kansas Mr. and Mrs. William P. Loucks took up a homesteading claim in the late 1870s. The cattle range of Kearney County was just opening up to settlers hoping to build a life on farmland of their own. Mrs. Amy Loucks was determined to be prepared for unexpected emergen-

cies, and being well-educated, read all the medical information that she could find. With the nearest doctor at Fort Dodge, seventy-five miles away, she was frequently called upon to implement her knowledge of the healing arts for her isolated neighbors. When a severely wounded man miraculously survived an Indian attack Mrs. Loucks was called to his bedside. His scalp was so nearly removed that it hung forward over his eyes.

"Without hesitation Mrs. Loucks sent to the general store for a fine violin string and a bottle of carbolic acid." The violin string was soaked in the acid before threading the string through a large needle. In short order the man's scalp was stitched back into place.

In another case, Mrs. Loucks skillfully amputated three crushed fingers with a razor and a pair of embroidery scissors. From border-to-border stories of remarkably heroic surgical procedures tell a story of survival often performed with domestic equipment and rarely recalled, except of course, on The Way West.

"The Cowboy," Jim Gray can be reached at 220 21st Rd, Geneseo, KS. Phone 785-531-2058 or kansascowboy@kans.com.

Nomination portal for Water Legacy Award and "Success Stories" now open

The Kansas Water Office is now accepting nominations for the Water Legacy Award, as well as the "Success Stories" recognition.

The Water Legacy Award recipient is selected based on significant contributions and lasting impacts on the future of water in the state.

The previous "Be the Vision" awards have been modernized and are now known as: "Success Stories." These "Success Stories" will still feature individuals, municipalities, companies or organizations who are taking extraordinary measures to conserve, reuse or adopt better practices to help ensure the future of our state's water resources.

The deadline for nominations is September 1.

Nominations can be submitted at <https://kwo.ks.gov/news-events/governor's-water-conference/water-legacy-award-success-stories>.

Farmers & Ranchers

AUCTIONS EVERY MONDAY & THURSDAY

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

NO SALE MONDAY JULY 4TH!

EARLY CONSIGNMENTS FOR THURSDAY, JULY 14:

- * 130 steers, 850-900 lbs., off grass
- * 50 heifers, 750 lbs., off grass
- * 60 blk steers & heifers, 550-800 lbs., homeraised, 3 round vaccs.
- * 30 blk steers, 500-800 lbs., 75 days weaned, vaccs.
- * 64 charX steers & heifers, 600-800 lbs., ltw, 3 round vaccs, open
- * 30 blk Angus, 800-900 lbs., steers & heifers, ltw, 2 round vaccs, open
- * 370 2/3 blk heifers, 675-775 lbs., off grass, no implants, sprayed
- * 37 mostly blk steers & heifers, 500-700 lbs., off cow, 1 round vaccs, open
- * 27 mostly blk steers & heifers, 600 lbs., off cow, 1 round vaccs, open
- * 21 blk steers & heifers, 500-600 lbs., off cow, vaccs.
- * 100 blk heifers, 750-800 lbs., off brome
- * 60 blk steers, 925-950 lbs., off brome
- * 120 mostly blk steers, 750-850 lbs.
- * 23 blk steers & heifers, 500-600 lbs., homeraised, long weaned, 2 round vaccs, open, off grass
- * 60 steers, 850-875 lbs., off grass
- * 120 mostly blk steers & heifers, 375-450 lbs., weaned 60 days, 2 round vaccs, fly tags, ready for grass
- * 75 Red Angus heifers, 775 lbs., vaccs, open
- * 73 steers & heifers, 450-600 lbs., 2 round vaccs, 60+ days wean, off grass
- * 60 steers, 950 lbs., off brome
- * 10 steers & heifers, 600-700 lbs., homeraised
- * 12 steers & heifers, 800-900 lbs., homeraised, vaccs.
- * 20 mostly blk steers & heifers, 600-800 lbs., long weaned
- * 22 blk steers & heifers, homeraised, off cow, 2 round vaccs, no implants, 400-600 lbs.
- * 23 mostly blk steers & heifers, 650-750 lbs., homeraised, weaned 75 days, 2 round vaccs, open, vet worked
- * 62 heifers, 825 lbs., no sort
- * 50 steers & heifers, 700-800 lbs., off brome
- * 53 mostly blk heifers, 700-750 lbs., 2 round vaccs, long weaned, home raised, open, no implants

MORE BY SALE TIME.

IN STOCK TODAY:

- Heavy Duty Round Bale Feeders
- Heavy Duty Feed Bunks

For Information or estimates, contact:

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

Jim Crowther
785-254-7385
Roxbury, KS

Lisa Long
620-553-2351
Ellsworth, KS

Cody Schafer
620-381-1050
Durham, KS

Kenny Briscoe
785-658-7386
Lincoln, KS

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

Austin Rathbun
785-531-0042
Ellsworth, KS

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

Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211

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

THURSDAY — CATTLE ONLY

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

AUCTIONEERS: KYLE ELWOOD, BRANDON HAMEL & GARREN WALROD

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

CATTLE USA.com LIVE CATTLE AUCTIONS

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

Consignment Contract
For Catalog Horse Sales

Farmers & Ranchers Livestock Comm. Co., Inc.
PO Box 2595 * Salina, KS 67402

Fall Classic Catalog Horse Sale & 25th Annual Colt & Yearling Sale
Catalog Closes July 15th for Colts & Yearlings, August 1st Horses 2 and older
October 8-9, 2022
CATALOG FEE \$125
INCLUDE ALL FEES WITH CONSIGNMENT CONTRACT

All horses **MUST** have a negative coggins test within 6 months of sale date!!!!
Name: _____ Phone (C) _____ (h) _____
Address: _____ City: _____ State: _____ Zip: _____
Horse Name: _____ Breed/Reg#: _____
Color: _____ Age: _____ Mare / Gelding / Stallion

Comments/Footnotes: _____

Catalog Fee: _____ ****PLEASE INCLUDE COPY OF REGISTRATION PAPERS****

*I hereby agree to the terms and conditions set forth by Farmers & Ranchers Commission Company _____ (authorized signature)

Fall Classic Catalog Horse Sale- \$125 catalog fee

25th Annual Colt & Yearling Sale- \$75 catalog fee

2022 F&R Futurity- \$200 entry fee

If the horse is passed out, the cost will be the catalog fee plus \$20 pass out fee. The catalog fee is non-refundable.
Horses will be sold as registered only if papers and transfers are to F & R before the sale.

Seller's check will be mailed out after 5 business days. Checks will be held on any and all incomplete paperwork until proper paperwork is turned into F&R.

The commission will be 7% of the selling price or minimum of \$20. Consignor has the privilege to no sale or pass out his or her horse.
If the horse is passed out, the cost will be the catalog fee plus \$20 pass out fee. **The catalog fee is non-refundable.**

Notice: Videos are welcomed and encouraged. Our sales are nationally advertised and buyers travel many miles for the opportunity to buy your horses. Therefore, all consignments must go through the sale ring. **NO ALLEY TRADING IS ALLOWED!!**

SOUNDNESS GUARANTEE
All horses in catalog session are guaranteed sound unless otherwise noted. Soundness consists of ability to walk, breathe, see properly, not to crib, not to have a parrot mouth, or be a cryptorchid. Any other guarantees made or implied by consignor before, or after the sale of his or her horse are between the consignor and the buyer. Soundness guarantee extends 72 hours after day of purchase.

For More Information Please Contact:
Farmers & Ranchers 785-825-0211
F & R Fax 785-826-1590
Mike Samples 785-826-7884
Kyle Elwood 785-493-2901
www.fandrillive.com

2022 F&R FUTURITY ENTRY FORM

Deadline: RECEIVED BY September 1, 2022 NO EXCEPTIONS!!!! MUST INCLUDE THE \$200 FEE!!

Requirements: Horse must be 3 years old and purchased and nominated at a Catalog Sale held by Farmers & Ranchers Livestock.

Entry Fee: \$200 per horse - If you are entering more than one horse, please copy this form and complete one for each horse.

EACH RIDER MAY ONLY ENTER 2 HORSES!

Horse Owner _____
Horse Rider _____
Address _____

City _____ State _____ Zip _____

Telephone _____
Horse's Name _____

Year Purchased _____

Please complete this form and mail it along with a copy of your horse's registration papers and the \$200 entry fee.

NO EXCEPTIONS!! (per horse) to:

Farmers & Ranchers Livestock
P.O. Box 2595
Salina, KS 67402
785-825-0211
www.fandrillive.com

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

