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Published by **AG PRESS**

60th Year

No. 47

January 12, 2016

\$1.00



## Incubator kitchen offers services, advocacy

By Lucas Shivers

An entrepreneurial effort and partnership in Salina created Kitchen 4 Hire, providing low-cost access to a professional-grade commercial kitchen in the heart of Kansas.

"We offer business coaching to food startups to support Kansas food entrepreneurs with our culinary incubator kitchen who need access to a facility," said Phyll Klima, managing partner at Kitchen 4 Hire, LLC.

In the early 2000s, many new food-based businesses starting out in Salina and across the region cited the high cost of an industrial kitchen as a barrier to getting their ideas off the ground, so Klima looked across the country to find a solution.

"We wanted to do something in the food industry due to our backgrounds and the need," Klima said.

Working at the time as director of Salina Downtown, Klima said she was eager to start Kitchen 4 Hire to make the idea into a reality to connect with others.

"We found a United States Department of Agriculture Specialty Crop Grant administered by Kansas Department of Agriculture in 2010 that was the founding money for the kitchen under the direction of Salina Downtown, Inc. at the time" Klima said.

In 2014, Klima and Robin Beans, founding LLC mem-



Robin Beans, above right, and Phyll Klima, managing partners at Kitchen 4 Hire, have created advocacy networks and professional-grade commercial kitchen.

bers, came together to make Kitchen 4 Hire a private industry. "We've worked with many partners, retail food producers, caterers, bakers and other entrepreneurs," Klima said. "Referrals and word of mouth helped get us connected to entrepreneurs from Chamber of Commerce and small business development centers."

For example, Prairieland Market prepared a variety of foods each week from the kitchen – from wraps to scones – to sell in their store. Coberly's Bake Shoppe kick-started their premium

cookie business at the Kitchen 4 Hire and now sell their specialty cookies by the hundreds at stores throughout the state. Dub A Rub Spice Rubs & Mixes feature a variety of dips, meat rubs and seasonings.

Additionally, many community organizations used the Kitchen 4 Hire space for the general public to offer nutrition and cooking classes.

"It's not always about product development, but it's also about community service," Klima said.

### Direct Access

As Kitchen 4 Hire be-

came established and connected as an important part of the community, they began sponsoring a new farmers market allowing for services in Electronic Benefits Transfer (EBT) and Supplemental Nutrition Assistance Program (SNAP).

"We started a farmers' market in 2016. Now with support from another grant for 2016-2017 from the USDA we will be able to add EBT and SNAP services to three farmers' market with all of the administration support from the Kitchen 4 Hire," Klima said.

Making a positive differ-

ence for the Salina community, Klima said the market gives their clients a chance to get feedback from customers.

"The market, among other things, gives our incubator folks a chance to 'test market' their products right at the farmers market," she said. "We get to share with people right outside our doors to get feedback."

### Regional Policy Advocates

As part of the coaching services, Klima also seeks to promote access and affordable options for local foods in policy avenues.

"Kitchen 4 Hire was part of a community group completing a local food assessment," Klima said. "The outcomes pointed to education for the public on local food and ways to help advertise local farmers' produce. We also needed to extend local products to get into a larger market area beyond individual families to place orders in stores and other commercial sites."

These goals gave primary focus to food advancements in Salina and the larger region.

"From this process, we have a grassroots effort of nearly 25 community people and organizations," she said. "Thanks to the public meetings and assessment, nearly 200 individuals helped to map the food resources to find gaps and assets."

For Kitchen 4 Hire, the survey allowed for an opportunity to make data-driven decisions.

"In general, we've lost contact with our food, and lots of times the general public may not be aware of the process and inputs into our food supply," Klima said. "We hope to help others understand where our food is coming from. Kitchen 4 Hire wants to connect people who can make local, wholesome food readily accessible."

### State-Level "Farm-to-Fork" Support

Another outcome includes supporting the research from the Feeding Kansas report from the Kansas Rural Center and proposals to the Kansas legislators and governors' office to support local food alliances across the state. The full report can be accessed at <http://kansaruralcenter.org/feeding-kansas/>

"We're an agricultural state that is not feeding itself," she said. "With our kitchen, we can extend the life of local foods and elevate local income."

Kitchen 4 Hire seeks ways to make a positive difference to support strong food policy and state-level advocacy.

"Once you get involved with anything connected to food, you find multiple levels of opportunity to improve the quantity and quality of our food," Klima said.

## Sequencing the wheat genome to help feed the world

Kansas State University Assistant Professor and Assistant Director of the Wheat Genetics Resource Center, Jesse Poland, in collaboration with the International Wheat Genome Sequencing Consortium (IWGSC), has announced the production of an improved whole genome

assembly of bread wheat, the most widely grown cereal in the world.

Using NRGene's DeNovaMAGIC™ software and Illumina's sequencing data for assembly, the team is well on its way to sequencing the bread wheat variety Chinese Spring. A high quality whole genome reference sequence (a complete map of the entire genetic make-up from one end of the chromosome to the other, for all 21 bread wheat chromosome pairs) is less than two years away—and will dramatically accelerate global research into crop improvement of the world's most staple crop.

The public-private collaborative project is coordinated by the IWGSC and led by Jesse Poland, Nils Stein of IPK Gatersleben in Germany, Curtis Pozniak of the University of Saskatchewan's Crop Development Centre in Canada, and Andrew Sharpe of the Global Institute for Food Security in Canada. Project participants also include researchers from Illumina, Inc.; NRGene in Israel and the United



Jesse Poland, assistant director of the Wheat Genetics Resource Center, recently announced an improved whole genome assembly of bread wheat.

States; Tel Aviv University in Israel; and the French National Institute for Agricultural Research (INRA).

"This improved assembly of the wheat genome is an excellent resource to move forward with genomics assisted breeding," said Poland. "With wheat being such an important crop for Kansas, projects like this will continue to enable our world-class research efforts in wheat at KSU to understand the wheat genome and produce better varieties."

To understand the significance of this achievement, it is important to understand why sequencing the wheat genome continues to be such a massive undertaking. The wheat genome itself is huge, with a total of 16 billion base pairs of DNA—especially compared to other significant staple crops like rice and corn, which have 430 million and 2.5 billion respectively. Building a full reference sequence with that many pieces has traditionally been virtually impossible. With the help of NRGene's DeNovaMAGIC™ technol-

ogy and Illumina's sequencing technology, the reality is in sight.

"Having the whole genome sequence is like providing an instructional manual for building better plants. Until now, the pages in the manual were out of order and 40% of them were missing," Poland says. "Having a complete manual, with everything in the right order will allow us to quickly identify genes responsible for traits such as pest resistance, yield, and quality. With this genomic information we could potentially make the breeding cycle two to three times faster, and bring better varieties to farmers in a fraction of the time."

According to the United Nations, 70% more food will be needed by 2050. As global populations grow and available land and water become scarcer, the pressure is on crop and trait improvement to meet the wheat productivity increase that is needed. This high-quality reference genome sequence

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## Two-room school

By John Schlageck,  
Kansas Farm Bureau

One of the misfortunes of progress in education is the demise of the small country school. As I look back on all the attributes of attending a two-room school during the first eight years of my life, I wonder if we may have lost

something we can never replace.

The small school I attended was located in western Sheridan County. The name of the community was Seguin. Our little German Catholic community boasted 50 hardy souls.

While mostly made of

wood, our two-room school sported a stucco coating on the exterior. No bell tower adorned the top of Seguin Grade School. Instead, students took turns calling us to class, announcing recess and signaling the end of the school day by ringing a large, brass bell fitted with a black wooden handle.

The Sisters of St. Joseph provided us with a solid, top-notch foundation during my early years or education – nearly 55 years ago.

The main subjects included reading, writing, arithmetic and English. The

last subject I enjoy even to this day. I especially liked to diagram sentences on the blackboard (and they were black back in those days). I wrote as neatly as I could with a piece of long, white chalk.

Because we lived in the sparsely populated western part of Kansas, we looked forward to school every day. It was fun to be with other kids. More importantly, we enjoyed learning.

After attending mass at St. Martin of Tours, we walked approximately a quarter-mile across native buffalo grass to our school located at the northwestern corner of our small prairie town.

We entered school through double doors on the east side of the building and climbed up the stairs to our classroom. Huge, double-hung windows covered nearly every inch of the west side of each classroom. These rooms were located on the second floor of the building so we could see for

miles. Some days we could see the Colby elevators 24 miles to the west.

Each room contained approximately 20 ink-stained wooden desks. Each had a hole in the upper right-hand corner to hold a bottle of black ink.

A large American flag stood in the right corner in the front of our school. The blackboard stretched the entire length of the front wall and a portrait of George Washington hung in solitary splendor on the left side.

Every day we began the day with the Pledge of Allegiance. We included the phrase, "One nation, under God" and each one of us stood at attention with our right hand covering our heart.

I'll always remember my first day at school. Once I found my desk, I promptly began to whistle. I'd grown up listening to Mom whistle while she worked around our house, so I just naturally began whistling at school.

This conduct resulted in a visit to the cloakroom where we hung our coats and stored our lunch boxes. Here the door was closed behind me and I spent the next few minutes crying aloud.

How was I to know a happy student wasn't to whistle while he worked?

Well, that unhappy experience hardly proved a bump in the school highway. I loved reading, listening and learning and most of all my teachers.

Throughout my eight years in Seguin, enrollment at my two-room school never exceeded 35 students. I spent all three years with two classmates, Dorothy Meier and Virginia Wegman. I can't remember a class with more than five children.

With such a small enrollment, each room combined classes. First and second grade studied the same subjects while third and fourth did likewise. Because we were in the same room, I could listen to and learn from both classes. Something I did with gusto.

As a youngster and throughout my 18 years of education, I have always been a sponge – absorbing everything I could sink my teeth into. Learning and listening has always come naturally for me. Although I don't think it hurt that our teachers, the Sisters of St. Joseph, were strict. In fact, talking in class resulted in an automatic ticket to the cloakroom, or time spent at the chalkboard after school.

One of my favorite periods throughout grade school occurred immediately following lunch. That's when students read aloud. Books came from our extensive library.

The first book I chose to read during my fifth year in Seguin was *Lorna Doone* by R.D. Blackmore. I couldn't put this book down and I wanted to share this story with my classmates.



This past week I have been watching the events in Oregon and reading all I can about the parties involved in this very complex situation. Actually, there are two events that are sort of tied together. First you have the Hammonds, a father and son ranching together convicted on terrorism charges for setting prescribed burns and backfires on their ranch and the federal lands adjoining them. Then as an offshoot of that situation you have the standoff involving armed militia that has taken over a federal building on a wildlife preserve.

Before I go any further I would encourage each of you to do what I have done and read several articles on the situations. I also would encourage you to read them from different sources and different angles so you get all the sides. It is a fairly complex saga that goes back many years. Personally, I found the story to be quite disturbing as a rancher, citizen and land manager. To put it as simply as possible, the Hammonds first started a prescribed burn on their land that escaped and burned about 140 acres of federal land. Then in a separate event they set a back-fire on federal land to protect their winter pasture from a wildfire started by lightning. The backfire saved their land and even succeeded in stopping the wildfire.

The Hammonds' ranch is surrounded by a federal wildlife preserve and they are one of the last private landowners in the area. The government officials in charge of the preserve would very much like to have the Hammonds' ranch. The Hammonds have had their grazing rights on the federal lands around them taken away and even had their water rights challenged. Most of the adjoining landowners have given up and sold to the federal government and the private industry in the area has taken a huge hit because of the restrictions on mining and logging.

The Hammonds were tried on laws meant to deal with terrorists and they were convicted. However, the federal judge reduced their sentences from the mandatory five years to 12 months for the son and three months for the father. After they had served their sentences their case was appealed to another federal judge who reinstated the mandatory five-year sentences. Two weeks ago the Hammonds reported to federal prison for the rest of their sentence.

Their story is one that worries me greatly. We rely on prescribed

burns in Kansas and this might have an impact on them. But more importantly I think it highlights a disregard for private property rights. Now, let's be very clear and understand that not all federal employees or land managers are like those in Oregon. However, it does show what someone with an agenda can do. Again I encourage you to read the entire story and form your own opinion, but I found it very troubling.

Protests were organized in support of the Hammonds and from that an armed, self-appointed militia seized control of an isolated federal building. Leading the militia are two Bundy brothers. The Bundy family gained attention a couple of years ago in a showdown with the BLM over grazing rights. I also encourage you to read that story and form your own opinions. It must be noted that the Hammond family has made a statement that the armed militia group does not represent them in any form.

There are the facts but the opinions around this entire situation are where things start to get murky. While I worry about government overstepping their bounds and the loss of personal freedoms and private property rights, I agree with the Oregon Farm Bureau and the Oregon Livestock Association in supporting the Hammonds and calling for a review of the case and the eventual release of the father and son from prison. I also agree that the taking of federal property through the armed occupation is not the right way to handle the situation.

All of the issues at stake are fundamental to our nation and the constitution. This great nation was founded on personal freedoms, liberty, justice and private property rights and we must insure they are protected. However, armed aggression is not the path that should be taken. I pray that the outcome of all of this is peaceful and calmer, cooler heads prevail.

This does highlight the need for each of us to become more involved in our government. Too long, too many have been satisfied to sit back and let a few make the rules and laws and ultimately carry out those rules and laws. We need to quit lamenting about what has happened and get involved peacefully in the process. Our government only works when an informed, active citizenry is involved. I still believe in this great nation, but it is time that we all work together to make sure it stays great.



Since 1954

**GRASS & GRAIN**  
Published by AG PRESS

785-539-7558  
Fax 785-539-2679

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

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

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# State's fiscal crisis will hit rural Kansas hardest

By Tom Parker

Lorna Doone is a simple tale about the outlaw Doone family who lived and pillaged deep in the depths of Bagworthy Forest, the blackest and the loneliest place of all that kept the sun out. Here the beautiful maiden Lorna Doone lives and weds John Ridd, whose father was killed by the Doones on his way home from market.

Quite a read, if you haven't already.

And who can forget all the games we enjoyed during recess?

We played circle, pom pom pull away, fox and geese, Annie Annie Over and of course every one of us turned into a monkey on the steel playground equipment.

What a wonderful time. What a wonderful place. What a wonderful experience.

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

## Sequencing the wheat genome to help feed the world

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will provide the genomic keys necessary to ensure an abundant supply of wheat for the years to come.

This project was coordinated through the International Wheat Genome Sequencing Consortium with funding from Genome Canada, Genome Prairie, Saskatchewan Ministry of Agriculture, the Saskatchewan and Alberta Wheat Development Commissions, and the Western Grains Research Foundation through the Canadian Triticum Applied Genomics (CTAG2) project, Kansas State University through the U.S. National Science Foundation Plant Genome Research Program, and Illumina, Inc.

Kansas governor Sam Brownback's fiscal experiment has brought so many unprecedented changes and impacts to the state budget that it's earned its own designation among other states – even conservative states seeking similar tax-cutting proposals: “the Kansas Effect.”

It is not an endearing term, said Duane Goossen.

“As other states are considering different kinds of tax policies, they ask how they compare to Kansas,” he said. “They then take very deliberate steps to not do what Kansas did.”

As if that weren't bad enough, major news media outlets in the United States and abroad have written a great deal about the state's budget and financial outlook, he added, and little of it is good. “They're now watching to see what happens when a state goes clear over to the edge like Kansas has.”

Goossen, Kansas Center for Economic Growth Senior Fellow, seven-term member of the Kansas House of Representatives and former budget director for 12 years under three governors, addressed members of the Kansas Farmers Union dur-

ing their annual convention in Topeka in mid-December. Kansas, he said, is now in a uniquely precarious position.

“If we were to array all of the states in the U.S. on a spectrum based on how they're handling their finances, and based on the states' financial health, you'd find Kansas way over on one end of the spectrum, because we're broke,” he said. “We're not taking in enough money to pay for even a very conservative set of expenses. We have become, in fact, a bit of a spectacle to the rest of the nation.”

The implications are far-reaching and severe for all portions of the state, he warned, but rural communities will be affected the hardest.

The budget crisis can be traced back to a tax cut bill that passed in 2012 and was modified in 2013, he said. Income tax rates were cut sharply across the board and business cash-through income was exempted from all tax liabilities. The theory behind the bill sounded good, though perhaps too good.

“The theory was, if you cut taxes this sharply it would generate such lively

economic activity that tax money would roll in to easily fund the Kansas budget,” Goossen said. “It was a wonderfully seductive argument. But when taxes were cut, in the first full year of implementation, revenue went down sharply.”

In fact, the state's revenue dropped over \$700 million. During fiscal year 2015 revenue grew a small amount but still fell far short of expenses, a pattern that should repeat itself during the coming fiscal year, he said.

The growth isn't what it appears. Much of what appears to be increasing revenue is nothing more than robbing from other funds to fill budgetary gaps, and fiscal year 2016's increase will be due to increased sales tax and cigarette taxes.

“That's what's causing this growth, otherwise we would still be down,” Goossen said. “One of the ironies of this situation is that this was supposed to be a tax cut. Instead, lowest income Kansans are paying more, middle income Kansans are about a wash, but the wealthiest Kansans have come out ahead. It's been a tax shift, not a tax cut. And it has left us with a budget and a set of finances that don't work.”

Meanwhile, the state's expenses in the general fund are well over \$6 billion and growing, he said. “You can deal with that if you're willing to grab money from somewhere else in order to fill the gap,” he said, “but do that long term and eventually you're done.”

As revenue dropped, lawmakers blew through the reserves and the savings to

fill the gap. In fiscal year 2015 they started cutting the budget, shifting funds, pulling expenses down as far as they could go, but it still wasn't enough. They reached into the highway fund and just about any other fund that had money in it, and used it to try to shore up the budget.

“But it doesn't fix the situation,” Goossen said. “Unless we make that income stream balance out, Kansas cannot go forward financially. We are in crisis, year after year after year, and what that means is that all the energy from our lawmakers goes into trying to figure out how to make it work out. They're not looking at the future – they're looking at ways to get by. It's a terrible place to be in.”

Robbing from the highway fund is already having negative impacts on road maintenance, he said. The state used to provide maintenance on 1,200 miles of roads every year, now it's down to 200. Bridge reconstruction has been cut in half. “Maybe you can cut back on it for a short period of time and not notice, but eventually it becomes a real problem,” Goossen said. “And it's especially a problem for rural communities because they depend on those roads, and the roads won't stay in shape if we keep diverting significant amounts of money from those funds.”

The governor recently took another \$50 million from the highway fund to try to keep the state solvent for this fiscal year, he said. But with expenses almost \$800 million higher than expected revenues, closing that

gap will not be easy.

Education is another major problem area for rural communities. In the past, schools received a certain amount of money per pupil, Goossen said. If enrollment went up, schools received more money. They also got more money if they were a small district or had low enrollment. “That helped rural schools all across Kansas,” he said. “And now the finance formula has been thrown out.”

In its place is a new formula based on a block grant. In a nutshell, he said, it means that schools get what they got last year, without any increases. “If rural schools are put out there on their own, if they have to raise their own money to fund their operations, it's going to mean a huge property tax increase or a deep cutback for what rural schools can provide,” he said. “Schools are critical to any small community in Kansas.”

Regardless of the dire changes and impacts, Goossen said, he still believes there's some hope for the state.

“I believe that by and large Kansans have caught on to what has happened, and they're understanding the things have gone wrong,” he said. “If that's true, if Kansans really believe that we're not in a good spot, there's hope that that can be harnessed to make changes and get back on the right track. But none of that is easy and it's going to take work from every person, every citizen. I really believe that the future of our state hangs in the balance.”

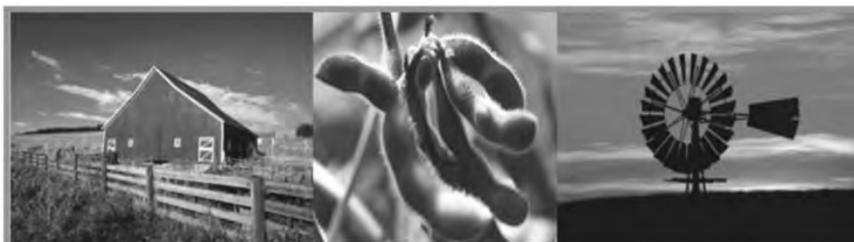
## Study finds new possible causes for antibiotic resistance

Dr. J. Vaun McArthur, senior research scientist at the University of Georgia, has tested his hypothesis that there is more to antibiotic resistance than the misuse or overuse of antibiotics. He believes that environmental contaminants may be partly to blame. He conducted his experiment in the streams on the U.S. Department of Energy's Savannah River Site in an area that was closed to the public in the early 1950s to produce materials used in nuclear weapons.

“The site was constructed and closed to the public before antibiotics were used in medical practices and agriculture,” McArthur said. “The streams have not had inputs from wastewater, so we know the observed patterns are from something other than antibiotics.”

McArthur tested five antibiotics on 427 strains of *E. coli* bacteria found in the streams, collecting samples from 11 locations in nine streams with metal contamination levels ranging from little to high. The results found high levels of antibiotic resistance in eight of the 11 water samples. Of the areas tested, the contaminated streams with no source of antibiotic input had the highest level of antibiotic resistance. McArthur attributes this to the environmental contaminant metals, cadmium and mercury.

McArthur's results were published in the journal *Environmental Microbiology*. To read the study abstract, visit <http://tinyurl.com/EM-12-31-15>.



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*Linda Kepka, Dorrance, Wins Weekly G&G Recipe Prize*

Winner, Linda Kepka, Dorrance:  
**CREAM CHEESE CAKE MIX COOKIE**

- 1 cake mix
- 1 egg
- 1/2 cup butter
- 8 ounces cream cheese
- 1 teaspoon vanilla

Mix all ingredients together. Drop by teaspoonful onto cookie sheet and bake at 350 degrees for 8-10 minutes. Makes about 36 cookies.

\*\*\*\*\*

Pat Adams, Beloit:  
**EGGNOG CUTOOT COOKIES**

- 1/2 cup butter (no substitute), softened
- 1 cup sugar
- 2 eggs
- 2 tablespoons plus 1 teaspoon eggnog\*
- 2 1/2 cups all-purpose flour
- 1/2 teaspoon salt
- 1/4 teaspoon baking soda
- 1/4 teaspoon ground nutmeg
- Icing:  
 2 cups confectioner's sugar  
 1/4 teaspoon ground nutmeg, optional  
 4 to 5 tablespoons eggnog\*
- Liquid or paste food coloring, optional

In a mixing bowl,

cream butter and sugar. Beat in eggs. Stir in eggnog. Combine the flour, salt, baking soda and nutmeg; gradually add to creamed mixture. Cover and refrigerate for 1 hour or until easy to handle. On a lightly floured surface, roll out dough to 1/8-inch thickness. Cut with 2 1/2-inch cookie cutters dipped in flour. Place 2 inches apart on greased baking sheets. Bake at 375 degrees for 8 to 10 minutes or until edges begin to brown. Remove to wire racks to cool. In a mixing bowl beat confectioner's sugar, nutmeg if desired and enough eggnog to achieve icing consistency. Add food coloring if

desired. Spread over cooled cookies; let dry. Yield: about 4 dozen.

\*NOTE: This recipe was tested with commercially prepared eggnog.

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Rose Edwards, Stillwater, Okla:

**CROCK-POT SANDWICHES**

- 1 loaf French bread, sliced

Deli meat of choice  
 Deli cheeses of choice

Line the bottom and sides of the crock-pot insert with foil (oblong crock pots work best). Place sliced French loaf in crock-pot. You might have to trim one of the ends to fit. Add meat and cheese slices to every other slice of bread. First opening of loaf will have slices then skip next opening of loaf and so on. Cover and cook on low until heated through. Can switch to warm for serving.

\*\*\*\*\*

Kellee George, Lawrence: "Quick and easy."

**SOUR CREAM MINI BISCUITS**

- 1 cup butter
  - 1 cup sour cream
  - 2 cups self-rising flour
- Blend butter and sour cream until fluffy then gradually mix in flour. Drop by teaspoonfuls into greased mini muffin cups. Bake at 450 degrees for 10-12 minutes. Makes 4 dozen.

\*\*\*\*\*

Millie Conger, Tecumseh:

**CHICKEN POT PIE**

- 1/3 cup butter, cubed
- 1 1/2 cups sliced fresh mushrooms (use canned if you don't have fresh)

- 2 medium carrots, sliced
- 1/2 medium onion, chopped
- 1/4 cup flour
- 1 cup chicken broth
- 1 cup milk
- 4 cups cubed cooked chicken

- 1 cup frozen peas
- 2-ounce jar diced pimientos, drained

- 1/2 teaspoon salt

Biscuit topping:  
 2 cups flour

- 4 teaspoons baking powder
- 2 teaspoon sugar
- 1/2 teaspoon salt
- 1/2 teaspoon cream of tartar
- 1/2 cup cold butter, cubed
- 2/3 cup milk

Set oven to 400 degrees. In a large saucepan, heat butter over medium heat. Add mushrooms, carrots and onion; cook and stir until tender. Stir in flour until blended; stir in broth and milk. Bring to a boil, stirring constantly; cook and stir 2 minutes or until thickened. Stir in chicken, peas, pimientos and salt; heat through. Transfer to a greased 11-by-7-inch baking dish.

For topping, in a large bowl, whisk first five ingredients. Cut in butter until mixture resembles coarse crumbs. Add milk and stir just until moistened. Turn onto a lightly floured surface and knead 8-10 times. Pat or roll the dough to 1/2-inch thickness; cut with a floured 2 1/2-inch biscuit cutter. Place over chicken mixture. Bake uncovered for 15-20 minutes or until biscuits are golden.

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**A Better Boxed Meal**

By Martha Murphy  
 Wildcat District  
 Extension Agent  
 Pittsburg EFNEP office

Imagine it's a typical afternoon. Do you know what you're having for dinner tonight? Most adults living in the U.S. do not decide what to eat that night until 4 p.m. or later.

For a quick meal, many cooks use packaged convenience foods. Most of these products are NOT nutrient dense. Instead, they are low in healthful nutrients and high in calories, sodium, solid fats, added sugars and refined grains. Some convenience foods are much more expensive than homemade recipes, too.

Try these delicious and quick suggestions to boost the nutrient-density of a boxed or frozen packaged convenience food.

To Decrease Fat:

- Use only half the butter or margarine called for in the instructions of boxed mixes for rice, pasta, stuffing, potatoes, or macaroni and cheese. Omit all of it for even greater calorie savings.

- Reduce the fat in ground beef when making a hamburger casserole boxed mix: Drain the fat from cooked ground meats. Then place it in a colander and rinse the meat with warm water. Let it drain, and continue with the regular directions.

- Substitute an equal amount of unsweetened applesauce for vegetable oil when preparing a boxed brownie mix. Substitute two egg whites for each whole egg to decrease the fat and calorie content even more.

To Decrease Sodium:

- Use only half of the seasoning packet that comes with packaged rice mixes, dry soup noodles, and frozen stir-fry meals. Add the remaining half at another meal, if desired, such as when cooking plain rice or noodles. Or use it as a seasoning for slow-cooked meats.

To Add Nutrients:

- Add chopped or sliced vegetables — such as broccoli, tomatoes or carrots — to a frozen pizza before baking it, and to canned soups.

- Add frozen chopped spinach to tomato-based sauces for pasta.

- Serve fresh or canned fruit for dessert instead of a sweetened food.

- If a packaged mix calls for 1 cup of milk, use 2/3 cup of nonfat dry milk powder and 1 cup of water instead. You will get twice as many nutrients, such as calcium, vitamins and protein, in each cup.

For additional information, contact the Wildcat Extension District, Crawford County, 620-724-8233, Labette County, 620-784-5337, Montgomery County, 620-331-2690, Pittsburg Office, Expanded Food and Nutrition Education (EFNEP), 620-232-1930.

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**'Make it a Meal' Macaroni & Cheese**

- 1 box (about 7 ounces) macaroni & cheese dinner, any brand
- 16 ounces broccoli florets, fresh or frozen
- 2 tablespoons trans-fat-free soft margarine or butter
- 1/4 cup fat-free or low-fat milk
- 10 ounces of chunk light tuna, canned in water (or chicken), optional

1. In a large saucepan, boil about 6 cups of water. Add macaroni and broccoli. Boil for 7 minutes or until tender, stirring occasionally. Turn off the heat. Drain.

2. Put the mixture back in the saucepan.

3. Mix in 2 tablespoons margarine. Mix in the dry cheese. Mix in the milk. Finally, drain the tuna (or chicken) and mix it in.

4. Serve. Cover and refrigerate leftovers within 2 hours.

Nutrition Facts per serving: 340 calories, 9g fat, 3g saturated fat, 0g trans fat, 43g carbohydrates, 24g protein, 40mg cholesterol, 790mg sodium and 4g dietary fiber. Daily Values: 70% vitamin A, 180% vitamin C, 15% calcium, 15% iron.

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## January Designated As National Radon Action Month: Health Risks Due To Radon Exposure Are Preventable

MANHATTAN — Radon, a naturally occurring element produced from radioactive decay in the soil is an odorless, colorless and tasteless gas, and the leading cause of lung cancer in non-smokers. It's the second leading cause of lung cancer in the general population.

Radon surveys have shown that 6 percent of U.S. homes have average concentrations above levels that would be considered safe. However, a Kansas survey indicated that one in four homes — about 25 percent — in the state were above safe levels, said Bruce Snead, director of engineering extension at Kansas State University.

"Anyone can be vulnerable," said Snead, who added that the cancer-causing gas, which can seep from the soil beneath the foundation through cracks or joints (in the foundation) into a home, is typically easy to detect and mitigate at a moderate cost.

Detection is relatively simple, said Snead, who recommends starting with a home radon detector, which, in its simplest form, can be purchased from many K-State Research and Extension offices in the state (for between \$5 and \$10), at home and hardware stores, and on the internet, usually for \$25 or less.

"A \$5 to \$25 test may be all that it takes to spare you or a loved one from lung cancer," he said.

"Testing is important, because it's the only sure way to tell how much of the gas is present," he said, adding that in Kansas, since 1987, 43 percent (31,539) of the 73,959 test results available had levels above the recommended ceiling of 4.0 pCi/L (Pico Curies per liter of air, is the unit of measurement).

Tests in your home should be conducted in the lowest lived-in level, in a bedroom, living room

or family room and about 20 to 24 inches above the floor for two to five days. The goal is to measure the potential for elevated concentrations which come from the soil beneath the home's foundation.

Testing in a kitchen or bathrooms, where more humid air and ventilation are typically occurring, is not recommended. Following test directions is a must, Snead said.

If your initial test shows a reading of 4 pCi/L or higher, take a follow-up test. Consider fixing your home if the average of your first and second test is 4 pCi/L or higher. If your initial result is low, further testing is advised if living patterns change and you begin occupying a lower level, or a significant change occurs in the foundation, heating or cooling systems, or insulation or air sealing features. Hiring a professional contractor to fix your home is recommended.

Lists of Kansas radon measurement and mitigation contractors who participate in one of two national radon proficiency programs are available at <http://www.kansasradonprogram.org/contractors>. Since 2011, all professional radon measurement and mitigation technicians and laboratories providing services in Kansas are required to have a state certification

through the Kansas Department of Health and Environment.

In Kansas, since July 1, 2009, residential real estate contracts must contain a paragraph recommending radon testing in real estate transactions and disclosure of test results.

There are, however, currently no laws requiring such tests or mitigation of high levels of radon, if found, he said.

The cities of Manhattan, Topeka, Lawrence, Salina, and Junction City have passed ordinances requiring the use of radon-resistant building techniques in the construction of new single- and two-family homes, Snead said.

More information about radon is available through the Kansas Radon Program at K-State Research and Extension offices throughout the state, online: <http://www.kansasradonprogram.org> and by calling: 1-800-693-5343.

Radon programs at Kansas State University are supported by the Kansas Department of Health and Environment and the Environmental Protection Agency, and serve as a state and national resource on radon awareness, testing, and mitigation.



## Who you going to trust?

By Lou Ann Thomas

Trust doesn't come easy for me, and from the results of a quick, unscientific poll taken among those whose paths crossed mine this week, it appears most of us don't offer trust easily.

That may be because inherent in every act of trust is a sliver of risk. If I loan a cherished book to a friend, I may never get it back. If I share something personal with someone, it may be shared with others. Trust can be broken and it may take a very long time, if ever, to be rebuilt.

So, what can we trust? The weather? If you believe you can trust the weather then today must be your first day in Kansas. Those of us who have lived here longer than 20 minutes know you can never trust Kansas's weather. If you do, you will be betrayed. That's a

given.

Do you trust your partner? I hope so, since strong, healthy relationships require a certain level of trust. Do you trust your kids? Again, I hope so, at least until you can't. Do you trust politicians? Oh, please stop! You're cracking me up!

Do you trust authority? Now that's a tough one for those of us who grew up in the late 1950s and early 1960s. How many of you remember, "duck and cover drills?" It's difficult to trust any authority that would try to convince us the same desk that tipped over when we put our dictionary and geography book on the same side

was going to save us from an atomic bomb.

Whenever we place our trust in someone, we become vulnerable. Trust may not be easily given, but that makes it more valuable. When we go ahead and loan that favorite book, or confide in a friend, we offer them gift of saying, "I believe in you. I believe you are trustworthy."

Being able to trust, while understanding the risks of doing so, is an indication of how secure we feel in the world. If I distrust everyone who crosses my path, I'll become filled with anxiety and fear and the world will begin to feel hostile. But if I can learn to trust, even though I may have experienced betrayal in the past, then I have a shot at finding faith and kindness and can demonstrate that I have learned to trust the most important person I can — myself.

It's a gamble, but deep inside I'm a bit of a betting woman.

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# New K-State Corn Production Schools scheduled for January

Three K-State Corn Production Management Schools will be offered in early January; one each in southeast, southwest, and central Kansas. The schools will provide in-depth training targeted for corn producers, said Ignacio Ciampitti, K-State Research and Extension crop production specialist.

The one-day schools will cover several current corn

topics relevant to corn producers in Kansas, including drought-tolerant hybrids, high-yielding corn factors, weed control, soil fertility, and price and market perspectives.

Registration and introductions for each school will begin at 8:45 a.m., and the program will start at 9 a.m. Lunch will be provided at no charge, courtesy of the Kansas Corn Commission.

The program will end at 2:30 p.m., followed by an additional presentation or a tour of a nearby facility.

All of the schools will offer certified crop advisor and commercial pesticide applicator credits.

The dates and locations are:

Jan. 14: Garden City: Clarion Inn, 1911 E. Kansas Ave.

Local K-State Research and Extension contacts:

- Katelyn Barthol, Finney County - kbarth25@ksu.edu, 620-272-3670

- Andrea Burns, Ford County - aburns@ksu.edu, 620-227-4542

- Kurt Werth, Grey County - kwerth@ksu.edu, 620-855-3821

- Lacey Noterman, Haskell County - lnote@ksu.edu, 620-675-2261

- Bill Haney, Kearny County - haney@ksu.edu, 620-355-6551

- John Beckman, Scott County - jbeckman@ksu.edu, 620-872-2930

Jan. 15: Salina: Great Plains, 1525 E North St.

Local K-State Research and Extension contacts:

- Tom Maxwell, Central Kansas District, tmaxwell@ksu.edu, 785-309-5850

- Jonie James, McPherson County, jjames@ksu.edu, 620-241-1523

- James Coover, Dickinson County, jcoover@ksu.edu, 785-263-2001

- Michelle Buchanan, Midway District, mbuchanan@ksu.edu, 785-472-4442

- Kim Larson, River Valley District, kclarson@ksu.edu, 785-243-8185

There is no cost to attend, but participants are asked to pre-register before

Jan. 8. Online registration available at K-State Corn Schools: <http://bit.ly/KSCORNSchools>.

Registration can also be done by emailing or calling the nearest local K-State Research and Extension office for the location you plan to attend.

For more information, contact either the nearest K-State Research and Extension area agronomist or: Greg Krissek, CEO of Kansas Corn at gkrissek@ksgrains.com or 785-448-6922 or contact Ignacio Ciampitti, K-State extension crop production specialist, ciampitti@ksu.edu or 785-532-6940

Primary sponsors of the schools include the Kansas Corn Commission and DuPont Pioneer.

## Visiting with readers



Grass & Grain columnist and Poet Lariat Ron Wilson was in the G&G booth at the Topeka Farm Show for a bit to visit with readers. He also handed out autographed copies of a couple of his original poems. Photo by Donna Sullivan

## Kansas survey to study dropping groundwater levels

(AP) - Crews are undertaking an annual effort to monitor changes in groundwater levels in western and central Kansas.

The Kansas Geological Survey will measure nearly 570 wells beginning early next month. The Kansas Department of Agriculture's Division of Water Resources will measure about 830 additional wells.

Ninety percent of the wells to be measured draw water from the massive High Plains aquifer system, which consists largely of the Ogallala aquifer. The remaining 10 percent are drilled into the Dakota aquifer and other deeper systems or shallow alluvial aquifers along creeks and rivers.

The data are used by landowners, state and federal agencies, local groundwater management districts, private entities and the general public.

Water levels in the 1,400-well network declined an average of 0.87 feet during 2014.

## Council on Dairy Cattle Breeding successfully completes transition of services from USDA

A Non-funded Cooperative Agreement (NFCA) was developed and signed on March 27th, 2013 between the Animal Genomics and Improvement Laboratory (AGIL), United States Department of Agriculture and the Council on Dairy Cattle

Breeding (CDCB) determining the transition of the U.S. dairy cattle genetic and genomic evaluations from AGIL to CDCB. This transition started with CDCB delivering the April 2013 official genetic evaluation results for production traits and delivering all genetic evaluations beginning in December 2013.

CDCB announced the effective date of the NFCA was applicable on December 17th, 2013. This started the two-year countdown to CDCB being self-sufficient in computer resources and staffing with the capacity to run the genetic evaluations, provide the dairy management benchmarks, and maintain the industry cooperative database.

After two years of investments and intense preparation, the transition has been completed. Since December 11th, 2015, all data processing for genetic evaluations is being conducted by six permanent staff and two contractors at the CDCB headquarters in Bowie, Md. and is taking place on servers and being loaded into the database owned and maintained by CDCB. In order to ensure continuity, the system was designed to allow service users to continue to interact with the CDCB system exactly as they did before the transition.

Building the CDCB system and transferring the legacy files was only possible due to the unconditional support provided by the AGIL staff, showing once again their absolute commitment to the dairy industry. AGIL will continue performing research and development of methods, procedures, and algorithms used by CDCB to compute estimates of genetic merit of dairy animals.

Along with the technical implementations, all Material License Agreements proposed by the CDCB to data suppliers have been signed and filed, completing a very important step for the industry collaboration effort that represents the core value of CDCB.

Successfully completing this landmark goal only means that CDCB is ready to face different challenges ahead on its commitment to constantly improve services that empower dairy farmers in their quest for efficiency, profitability, and sustainability.



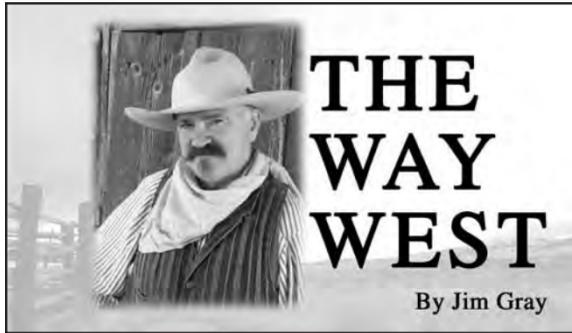
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# THE WAY WEST

By Jim Gray

## Live Free or Die

Kansas was a wild frontier right up to the turn of the 20th Century. But even with all the trouble from Indian wars, "Hell on Wheels" railroad towns, horse thieves, and wild cowboys, the state of Kansas was beginning to settle down by the late 1870s. The Indians were supposed to be safely tucked away on reservations, creating a sense of security for homesteaders and town builders.

Then came the Cheyenne outbreak in September of 1878. The difficulty was set in motion with the removal of the Northern Cheyenne in 1877 from their homeland of Dakota Territory to an unfamiliar southern climate in Indian Territory (Oklahoma). The Darlington Agency near Fort Reno, Indian Territory, had been set up for the Southern Cheyenne who had lived on the southern plains for decades. Somehow Dull Knife's Northern Cheyenne people were included on the southern reservation.

Depression and the southern climate brought sickness to the tribe, not to mention a sincere homesickness for their ancestral lands in Montana and the

Dakotas. One year after their arrival in the south, three hundred fifty-six people left the Darlington Agency in a desperate attempt to reach the land of their birth in the north. Their flight, with families in tow, turned to violence, leaving death in its wake all across Kansas and into the wilds of western Nebraska. Most of the violence came from Little Wolf and his followers.

In the midst of the chaos Dull Knife, known to his own people as Morning Star, did his best to walk a road of peace, leading his people away from conflict when he could. By the time the Cheyenne people crossed into Nebraska they had outrun the formidable 4th U.S. Cavalry. Forty-two cowboys and settlers were dead, several women raped and many more wounded.

Morning Star and Little Wolf split into two bands in Nebraska, hoping to spread the military thin enough to allow them to reach the perceived safety of the Yellowstone River. The 6th Cavalry finally caught up to and surrounded Dull Knife and his people October 25, 1878, giving Little Wolf additional time to elude the soldiers. That fateful day Dull Knife surrendered on Chadron Creek in northwestern Nebraska. The captured Cheyennes were confined to nearby Fort Robinson. Little Wolf's band remained free, continuing across the Niobrara River into South Dakota and on into southwestern North Dakota.

At Fort Robinson the Cheyenne were told that some of their people were going to be sent to Fort Leavenworth to stand trial for the murders committed in western Kansas. The young men of the tribe were infuriated and frightened. They knew the truth that the people who had committed the crimes in Kansas were still free, escaping with Little Wolf and his people. Nevertheless, Morning Star's people were in custody and, according to the U.S. government, they would suffer the blame whether they had taken part in the killings or not.

A select group of men were identified as those responsible for the crimes

committed. The rest of Morning Star's people were told they would be sent back to the Darlington Agency in Indian Territory. According to the *Leavenworth Daily Times*, January 10, 1879, Morning Star responded, "Neither my people nor myself will return. We now stand on soil that by right belongs to us; we cannot live in the Indian Territory. We want to go to Red Cloud or Spotted Tail's home and live in peace with the whites." Red Cloud, an Oglala Lakota chief was, at the time in Dakota Territory.

By the time the newspaper story hit the streets with coverage on the fate of Morning Star's people, the

Indians had already taken matters into their own hands. During the night of January 9, 1879, warriors caught soldiers off guard with a desperate escape attempt.

Over the next few cold January days they were hunted down and in many cases killed without mercy. The few survivors were returned to Fort Robinson. Morning Star was presumed dead. But far from the protocol of the sensational military courts, Morning Star, his wife, son and daughter feebly arrived at the Pine Ridge Agency in Dakota Territory. The old chief and his family had survived the break from Fort Robinson

by hiding in a cave. They had eaten tree bark and even their moccasins to hold off starvation. Dull Knife and his family were in a wretched condition, having been wounded and suffering from cold and hunger. Unprepared to prosecute a frail old man, the government allowed Morning Star to remain in the north, having made his stand to live free or die on The Way West.

"The Cowboy," Jim Gray is author of the book *Desperate Seed: Ellsworth Kansas on the Violent Frontier and Executive Director of the National Drivers Hall of Fame*. Contact *Kansas Cowboy*, Box 62, Ellsworth, KS 67439. Phone 785-531-2058.



Attendance was good at the Topeka Farm Show as producers came out to see the latest in equipment and technology. Ag Spray had several models of sprayers on display. Photo by Donna Sullivan

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**TRAILER:** 2010 Titan 8' 4"x30" w/7' dovetail and fold over ramps, tandem axle, dual wheel, 10,000 lb. axles like new.

**LAWN CARE EQUIPMENT:** 2010 Land Pride ZSR Razor riding lawn mower, 28.3 hrs., w/ ZSR 60" mowing deck. Kawasaki 26.0HP Gas engine, used very little, stored inside; 3' 6" Agri-Fab grass seeder, pull type; Spike tooth lawn packer, 3' wide.

**MOISTURE TESTERS:** (2) JD moisture testers. One Dickey John moisture tester and one moisture tester w/hay probe.

**TOOL BOXES/SHOP EQUIPMENT:** M Classic II Super Station, Macsimer tool box, w/work area and built in peg board to hang tools from, 11 drawers, all lockable; Mac cabinet with 5 slide out shelves and storage below; 35T air floor jack (like new, less than 1 year old); Cheetah Bead Seater w/straight pipe & dual pipe; Dual shop flood light (halogen); Single shop flood light (halogen); Lincoln 18V grease gun w/plastic carrying case and charger w/2 batteries; Honda Transfer Pump, 5.5HP w/2" pump; Snap-on Battery charger; (2) 6' aluminum ladders; 30' Sears flat step ladder; Honda 3200 PSI gas powered power washer, 11HP Honda engine w/long wand; Lots of 1/2" air hose w/quick couplers and male ends; come-a-longs; log chains; numerous boxes of hardware and pop rivets; electrical ends & connectors; numerous drop cords both 220V and 110V; several load binders; various hydraulic jacks; numerous adapters for various hydraulic ends (JD, Pioneer and International); Block & Tackle triple Pulley w/30' of 1" rope; wood work bench; metal cabinet of fine threaded bolts; 1/4" to 3/4" bolt cabinet w/5 & 8 grade bolts, 4" long to 6" long, was serviced by Harold Kelly at Beloit but was later stocked with bolts from John Deere; 4 metal parts bins; (6) 30 gal. barrels; (6) 50 gal. barrels; various 5 gal. buckets

**TOOLS - SNAP-ON:** Snap-on torque set of wheel lug bolts, set of 5; Snap-on metric open end/box end wrenches (10mm to 19mm); Snap-On 1/2" drive socket set (10mm to 18mm); S&S set of pliers and screw drivers w/foam holder; Ingersal Rand 3/8" impact wrench; Ingersal Rand 3/8" ratchet air wrench; Craftsman sockets, 1/4", 3/8", 1/2", break overs, extensions of various lengths; Napa 1/2" drive deep well sockets and standard sockets; Set of open end/box end wrenches, 5/16 to 1 1/4"; KD 1/2" ratchet torque wrench; Number and letter stamps; Large number stamps.; Little Giant tap and die set No. 5, 1/4" to 3/4" w/case; Craftsman tubing wrench set 7/17" to 3/4"; 3/8" drive Allen wrench set; Various other Allen wrench sets; Various Crescent wrenches and Vise Grips; Set of screw drivers (flat & phillips) in carrying case; Various sockets for 3/4" and 1/2" drive; Numerous hammers of all types; large assortment of misc. tools as well

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## 'Cover Your Acres' conference planned for January 19-20

K-State Research and Extension is teaming up with the Northwest Kansas Crop Residue Alliance to host the 13th annual Cover Your Acres Winter Conference for crop producers and consultants on Jan. 19-20 at the Gateway Civic Center in Oberlin.

Cover Your Acres is a producer-driven meeting focused on new ideas and research-based updates in crop production in northwest Kansas and the central High Plains.

The conference, which typically draws more than 600 attendees from Kansas and other states, highlights the latest technology, methods and conservation practices to improve crop pro-

duction on the High Plains. This year, it will feature university specialists and industry representatives discussing issues such as kochia and palmer amaranth control, soil microbiology, new pests in wheat and sorghum, farm profitability, managing soil pH, unmanned aerial vehicles, weather forecasting, the economics of fertility management and an economic comparison of today's farms to those of the 1980s. The same programs will be offered both days of the conference.

Registration will begin at 7:45 a.m., with educational sessions ending at 5 p.m. followed by a "bull session" on Tuesday evening, where

attendees can visit with industry and university specialists.

Early registration is due by Jan. 13. The fee is \$40 for Jan. 19 or \$35 for Jan. 20. After Jan. 13, the cost is \$50 per day. The conference fee includes lunch and educational materials. Continuing education unit credits are available for commercial applicators and certified crop advisors.

Mail registration, with a check payable to KSU, to the Northwest Area Extension Office, ATTN: Cover Your Acres, P.O. Box 786, Colby, KS 67701. To view conference details and for online registration, visit [www.northwest.ksu.edu/coveryouracres](http://www.northwest.ksu.edu/coveryouracres). For questions, call 785-462-6281.

Major sponsors of the conference include Bayer CropScience, EGE Products, Hoxie Implement Co. Inc., Lang Diesel Inc., National Sunflower Association, Pac Leader Technology, Plains Equipment Group, Sims Fertilizer and SureFire Ag Systems.

## Retail options for meat purchases continue to expand

According to a recent article in *Meatingplace*, consumers are increasingly taking advantage of a proliferation of places and ways to buy their groceries. Different types of niche grocery stores are popping up across the country to accommodate varying consumer preferences. Foods such as beef and other fresh meats have advantages in two growing types of stores – fresh format (Sprouts Farmers Market or local equivalent) and limited assortment (Trader Joe's). With these growing retail options, competition and marketing opportunities will also be increasing.

"Everyone has more options," said Bill Bishop, founder of Willard Bishop. "The best thing that meat and other perishable suppliers can do to help retailers move through the transition is to provide them with good product content that helps the retailer sell their products, including in the digital environment."

To read the full article, visit <http://tinyurl.com/Retail-12-31-15>.

## Larry Keenan, RAAA Director of Breed Improvement, recognized as 40 Under 40 award recipient

Larry Keenan, Red Angus Association of America Director of Breed Improvement, has been recognized as a recipient of Vance Publishing's 40 Under 40 Award.

Vance Publishing's 40 Under 40 Awards program seeks to recognize the most innovative people in agriculture under the age of 40 – from animal and crop production, biotechnology and university researchers, to food and nutrition technology, agricultural equipment, agronomy and beyond – who

will be instrumental in meeting the challenge of providing food and fiber for a growing global population.

Keenan, who has a bachelor's degree from Oklahoma State University and master's degree from Kansas State University, has served the RAAA for the past nine years. "I have always been intrigued in the science behind the overall breeding of animals in the effort to make the next generation better than the current," said Keenan. "The idea of developing tools and implementing new technology to allow us to do a better job of making a new generation is a rewarding challenge."

Melvin Leland, a Red Angus breeder from Sidney, Mont., offered words in support of Keenan for the honor. "His passion and diligence in animal breeding have elevated him to a level of prominence among his peers as a geneticist. He has been an active participant in the Beef Improvement Federation and currently serves as chairman of the Ultrasound Guidelines Council," said Leland.

According to Clint Berry,

Gainesville, Mo., a Red Angus breeder and marketing consultant, Keenan has unique skills that allow him to reach out to cattlemen and help them better understand the benefits of the technology. "Throughout the years, I've worked with numerous cattlemen at all levels, but seldom have I ever had the pleasure of working with a person that demonstrates as much knowledge, passion and expertise, and the ability to communicate highly technical subject matter in a common-sense approach with real-world impacts," said Berry.

Some of Keenan's professional contributions include the development of the RAAA Herd Navigator test, as well as implementing many breed-improvement programs involving carcass-progeny testing, implementation of udder scoring, implementation of carcass weight and yield grade EPDs, development and delivery of the HerdBuilder and GridMaster indices as well as numerous research projects and resulting EPD model enhancements. Many professionals, ranchers and

Continued on page 9

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## Buying local firewood helps prevent spread of tree diseases

The Kansas Department of Agriculture (KDA) encourages Kansans who use firewood to heat their homes to consider using local firewood to help prevent the spread of tree diseases and pests.

While it may seem harmless on the surface, transporting firewood can pose a threat to healthy, pest-free trees across the state of

Kansas. Tree-killing insects and diseases can lurk in what appears to be harmless firewood. Even if the exterior of the firewood appears to be healthy, microscopic fungal spores or pinhead-sized insect eggs could be lurking in the wood. These pests and diseases can emerge before the wood is burned and infest trees in additional locations.

KDA recommends avoiding long distance transportation of untreated firewood due to the threat of Emerald Ash Borer (EAB), Thousand Cankers Disease of walnut, and Pine Wilt. Douglas, Jefferson, Johnson, Leavenworth and Wyandotte counties all prohibit the transportation of hardwood firewood out of the contiguous boundary of their county borders to help prevent the spread of EAB. This insect disrupts the tree's ability to transport water and nutrients, causing it to die. EAB and other harmful diseases, including Thousand Cankers of Walnut and Pine Wilt are of concern to homeowners and foresters. Jeff Vogel, KDA Plant Protection and Weed Control program manager, says Kansas citizens play an important role in helping to slow the movement of these pests and diseases.

"It is imperative to take

initiative when moving firewood," said Vogel. "Preventing destructive pests is important not only for the health of our trees, but also for our economy."

The United States Forest Service estimates that from 2009 to 2019 the response to eliminating the EAB will cost as much as \$10.7 billion.

KDA is committed to serving Kansas farmers, ranchers and agribusinesses, and to protecting the state's natural resources. To learn more about the facts and general information of firewood transportation, visit <http://agriculture.ks.gov/divisions-programs/plant-protect-weed-control/firewood>.

### Keenan receives 40 Under 40 award

*Continued from page 8*  
scientists wrote letters of support for Keenan in the nomination process. A packet of 19 letters of recommendation and validation was submitted in the process. Keenan was honored at the National Red Angus Convention in Grapevine, Texas, in September for his service to the organization.

## Coffee Shop Agronomy planned for Jan. 14

Using Precision Ag Technology Profitably will be the topic of the season's first Coffee Shop Agronomy meeting, scheduled for 10:30 a.m. to noon on Thursday, January 14 at Nelson's Landing in Leonardville. Terry Griffin, K-State Research & Extension agriculture economist, will be the featured speaker. Griffin has been asked to discuss ways precision ag technology can make money for small to medium size ag producers.

Guidance systems, yield monitors, variable rate seeding and fertilizer application, and automatic sprayer boom and planter shut-offs are all examples of precision ag technology that have proven profitable on larger farms. But, will the same technology work for smaller operations too? Or, are these luxuries that smaller producers simply can't afford?

These are some of the questions that will be discussed at the January 14 Coffee Shop Agronomy meeting. There is no charge to attend, but producers are asked to register online at [www.riley.ksu.edu](http://www.riley.ksu.edu) or call 785-537-6350 by noon on January 13.



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## Kansas Bioscience Authority to become private entity

(AP) – The Kansas Bioscience Authority says it will become a private entity this year.

The Olathe-based authority was established in 2004 to attract bioscience technology to Kansas, using both state and private funds. The *Lawrence Journal-World* reports it has been criticized in recent years for the types of investments it made. Some lawmakers also said it wasn't appropriate to use state funds for private equity investments.

Last year, lawmakers cut the authority's state appropriation to \$13 million for each of the next two years, rather than \$35 million and \$75 million the KBA was expecting.

The authority said its board of directors voted Dec. 18 to become a private entity. President Duane Cantrell will be replaced by Kevin Lockett, the current chief financial officer and chief operating officer.

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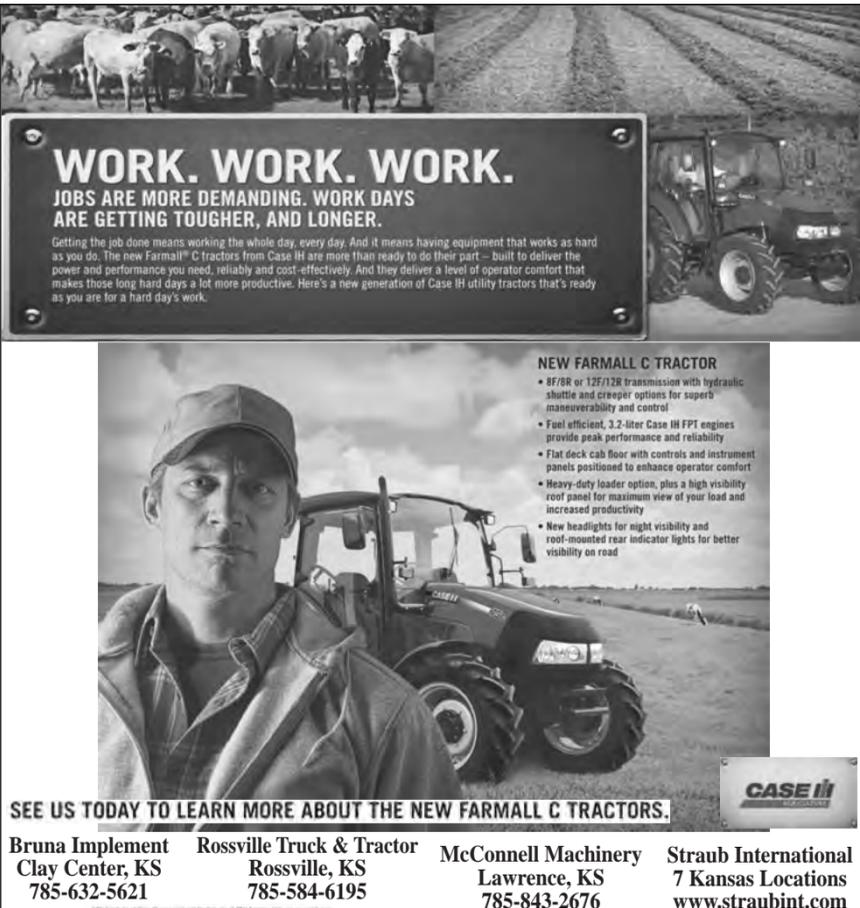
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# Auction Sales Scheduled

check out the on-line schedule at [www.grassandgrain.com](http://www.grassandgrain.com)

January 12 — 945 +/- acres cropland, grass & CRP (Russell & Osborne counties) held at Russell for Mitchell Family. Auctioneers: Farm & Ranch Real-

ty, Inc.  
January 14 — 156 acres Dickinson County farmland held at Abilene for Ronald Derrick Trust. Auctioneers: Riordan

Auction & Realty.  
January 16 — Antiques, collectibles, furniture, tools & misc. at Council Grove for Elizabeth Moyer Estate & another seller. Auctioneers: Hallgren Real Estate & Auctions, LLC.

January 16 — Tractor, machinery, trailer, lawn car equipment, moisture testers, tool boxes, shop equipment, tools (some Snap-On) at Clay Center for Harold Mugler. Auctioneers: Mugler Auction Service, LLC.

January 16 — 5.7 acre m/l Butler County country home, buildings, tools, furniture, ATV, windmill, guns & coins at Beaumont for French Family. Auctioneers: Chuck Korte Real Estate & Auction Service, Inc.

January 16 — Tractors, trucks, trailers, livestock equipment, tools, lawn & garden, household, antiques & collectibles, guns for consignments & estate of Glenn Stottlemire. Auctioneers: Eastern KS Auction Barn.

January 16 — Coins at Portis for Wayne Boehner Estate. Auctioneers: Wolters Auction.

January 16 — Precision & shop tools, guns, lawn & garden, collectible & household items at Newton for Norman & Shirley Schmidt. Auctioneers: Van Schmidt.

January 16 — 683 acres m/l Marshall County held at Waterville for Colleen Seematter (late Roger

Seematter), Delmar & Barbara Seematter, Seematter Farms, Inc. Auctioneers: Midwest Land & Home, Jeff Dankenbring, Mark Uhlik.  
January 17 — 5.6 acre m/l Butler County country home at Augusta for Kendra Tilley. Auctioneers: Chuck Korte Real Estate & Auction Service, Inc.

January 20 — Tractors, combines, trucks, trailers, farm equipment of all kinds, lawn & garden & more online at ([www.bigiron.com](http://www.bigiron.com)). Auctioneers: Stock Auction Co.

January 23 — Antiques & collectibles, railroad items, glass, books, costume jewelry & more at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

January 23 — Coins at Salina for a private collection. Auctioneers: Thummel Real Estate & Auction, LLC.

January 23 — 150 acres m/l Marshall County farmland held at Frankfort for Joseph & Rita Strathman Trust. Auctioneers: Seneca Realty.

January 23 — 160 acres m/l tillable, hayable land held at Melvern for Howard Lilly Trust. Auctioneers: Miller & Midyett Real Estate, Wayne Wischropp.

January 23 — 200+ farm toys, firearms, ammo & supplies, collectibles at Lawrence for Larry & Brenda West. Auctioneers: Elston Auction Co.

January 23 — Farmland at Clifton for the Herman & Valora Wurtz Trust. Auctioneers: Raymond Bott Realty & Auction.

January 23 & 24 — (selling Jan. 23 building materials, kitchen cabinets, granite countertops, int. & ext. doors, hardwood & tile flooring, lumber, lighting, sinks, faucets, vanities, appliances & more); (Jan. 24: game store contents,

antiques, collectibles, furniture, vehicles, bicycles & more for KDOR seized assets, 2 estates & RCPD) at Manhattan. Auctioneers: Totally Auction, Jeff Ruckert.

January 24 — Signs, crocks, collectibles, railroad items, coffee tins & jars, glass, sterling silver & more at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

January 27 — Tractors, combines, trucks, trailers, farm equipment of all kinds, lawn & garden & more online at ([www.bigiron.com](http://www.bigiron.com)). Auctioneers: Stock Auction Co.

January 30 — 3 Bedroom house, stairway lift chair, utility shed, Grand Caravan, appliances, furniture, wheelchair, collectibles, household, shop & garage items at Wamego for Rocky & Ruby Zeller. Auctioneers: Gannon Real Estate & Auctions.

January 30 — Washington County farmland at Barnes for the Myrl Bartley Trust. Auctioneers: Raymond Bott Realty & Auction.

February 1 — 160 m/l acres Cloud County tillable cropland & creek held at Aurora for Eugene Fiffe Trust. Auctioneers: Larry Lagasse Auction & Real Estate.

February 1 — 2,946 +/- acres Pratt & Kiowa counties held at Pratt. Auctioneers: Farmers National Company.

February 6 — Consignments - machinery, equipment, farm items, etc. at Axtell for Axtell Knights of Columbus.

February 13 — 501.4 acres m/l eastern Osage County native pasture land, hay land & wildlife habitat in 3 tracts held at Overbrook for Everett & Patricia Thompson. Auctioneers: Cline Realty & Auction, LLC.

February 13 — Annual pro-

duction sale (90 blk Hereford bulls) at Leavenworth for J&N Ranch.

February 15 — Farm machinery, pickup, livestock equipment & hay NE of Abilene for Loran & Judy Luthi. Auctioneers: Kretz & Bloom Auction Service.

February 20 — Retirement auction, late model JD tractors, combine, trucks, trailers, tools at Osage City for Kim & Rod Bergquist. Auctioneers: Wischropp Auctions.

February 23 — Annual Production sale at Alma for Mill Creek Ranch.

February 25 — 400 acres m/l Dickinson County farmland at Abilene for Raymond Luthi Estate. Auctioneers: Reynolds Real Estate & Auction.

February 27 — Tractors, equipment, trailers, collectibles, etc. at Baldwin City for Roger & Susie Taul. Auctioneers: Elston Auction Co.

March 2 — Farm & industrial consignments at Beatrice. Auctioneers: Rottinghaus Auction.

March 7 — Lyons Ranch 28th Annual Superior Genetics Angus Bull Sale at the ranch South of Manhattan.

March 16 — 5th annual production sale (Angus bulls, open yearling heifers, young pairs) at Overbrook for Woodbury Farms.

March 12 — Annual Machinery Consignment auction at Concordia for Concordia Optimist Club.

March 17 — 27th Angus production sale held at Esbon for Benoit Angus Ranch.

April 2 — Farm machinery & misc. West of Miltonvale for retirement of Bill Garrison. Auctioneers: Larry Lagasse Auction & Real Estate.

April 2 — Equipment, tools, household, collectibles, etc. at Lawrence for Bud & Thelma Dillon Estate. Auctioneers: Elston Auction Co.

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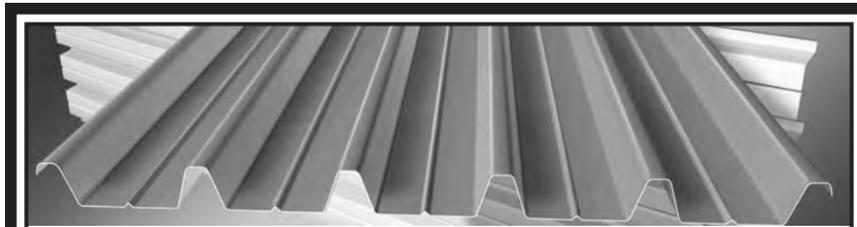
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## AUCTION

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## ANTIQUE AUCTION

**SATURDAY, JANUARY 23, 2016 — 10:00 AM**

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

**ANTIQUES & COLLECTIBLES**

**Railroad inc.:** Porter & Detective badges, silverware, china, Pullman hanger, SantaFe glasses; 1000 shares "The Washington And Western Railroad"; scrapbook of railroad ads, books, buttons, assortment of other items); **Indian basket, 10 pots inc.:** Hoppi; several Rena pottery pieces; bronze golfer statue; English regulator wall clock; sponge bowls & pitcher; stacking crock bowls; **Glass inc.:** majolica jardiniere, plates, vases; set 8 Chintz china; **flow blue inc.:** Teddy Roosevelt & Lincoln plates; Wedgewood pieces; Jadite butter, bowls, plates, cups; castor set; Royal Copley; Waterford stem & vase; blue cups & saucers; **hand painted bowls inc.:** RS Prussia; 3 mini lamps; perfumes; Belleek; wall

pockets; Irish Wade pottery; Bauer bowls & pitchers; Art glass; Hull vases; set 12 1960's dinnerware; Red Wing wall pockets; Selsor bottle; assortment pink luster; McCoy vases; Heywood Wakefield "Heywoodite" ash trays; Heywood Wakefield foot stool; Victorian hanging light fixture; Deco floor lamp; banjo clock; TV lamp; needle point fireplace screen; wicker bassinet; assortment of costume jewelry; **books inc.:** (1st edition Steven Foster 1946, 1889 Charles Dickens, WWII book, Engineers 8th US Army, Japan Today, 1930 Jayhawker magazines, 3 Adventure of Idabell & Wakefield 30's & 40's, 1930's Buddy, Search Light cook book, Etude); 1932 Salina telephone book; Looney Tune

comic books; Phillips clip; John Deere stick pin; sterling match safe; Mustang emblem; **Lincoln pennies inc.:** 1911, 12 & 13; tin Rambler toy car; Petals dolls; Desert Storm cards; Mexican pottery & hats; **pictures inc.** (Marius Smith Mission, Indian, silhouette, game, other); 50's track medals; cap guns; ice cream mold; brass whistle; WWII airplane earrings; Ike button; cast iron alter rail; pine door headers; tapestry; suitcase; metal trays; wood bowl; salesman sample chop block; Peanuts lamps; **large assortment of linens inc.:** table cloths, doliies, aprons, gloves, vintage fabric, needle point pieces, many other; assortment of other collectables.

Note: This is a private collection. For pictures check our website [www.thummelauction.com](http://www.thummelauction.com)

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

# Rangeland restoration benefits cattle, prairie chicken

Cattle and lesser prairie-chickens both need healthy rangeland to thrive. Through voluntary conservation efforts, farmers and ranchers in the southern Great Plains can restore habitat for this iconic bird while strengthening working lands.

The Lesser Prairie-Chicken Initiative (LPCI), a partnership led by USDA's Natural Resources Conservation Service

(NRCS), works to enhance lesser prairie-chicken habitat one ranch at a time. A number of the initiative's successes are highlighted in a new report called the "Lesser Prairie-Chicken Initiative: Conservation across the Range."

Since 2010, farmers and ranchers have made conservation improvements to 1 million acres by implementing sustainable grazing systems and removing

invading woody species to restore prairies.

About 95 percent of lesser prairie-chicken habitat is on privately-owned lands, making these conservation efforts crucial to the bird's rebound. The bird, which the U.S. Fish and Wildlife Service designated as threatened in 2014, numbers about 29,000. The goal is to boost the bird's population to an average of 67,000 over a ten-year period.

The report highlights the conservation efforts of a number of ranchers, including:

Ted Alexander, who has boosted the health of grazing lands and prairie chicken habitat by using prescribed burning and grazing, which enable native grasses to flourish on his Kansas ranch.

Bill Barby, who uses a sustainable grazing system

that promotes prairie health, providing drought-resilient forage for cattle and habitat for prairie chickens on his Kansas ranch.

Willard Heck, who is removing hundreds of acres of invading mesquite trees to restore habitat. Research shows that lesser prairie-chickens stop nesting in grasslands that have just one tree per 1.2 acres.

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# Culver's donates over a million dollars in support of agriculture

Culver's restaurants across the nation continue to build support of American agriculture as part of the chain's Thank You Farmers initiative. Since the program began in 2013 over a million dollars has been raised in support of the National FFA, local FFA chapters and a variety of local agricultural organizations.

Culver's has depended on family farms since opening its first restaurant in 1984. From the cattle ranches of the Great Plains to the dairy farms of Wisconsin, Culver's remains committed to sourcing the finest ingre-

dients America's family growers have to offer. Culver's has turned its gratitude into full-fledged support of today's farm families, while helping ensure the future of the next generation of farmers, biologists, chemists, veterinarians, engineers and entrepreneurs

In 2015 alone, 360 thousand dollars was raised for local FFA Chapters, the National FFA Foundation and other agricultural organizations across the country. This included money from donation canisters, percentage of sales donations, sponsorships, as well as a

"Scoops of Thanks" day (where \$1 scoops of custard were sold August 8) and other events and activities.

"We are excited to see the enthusiasm with which guests have welcomed Thank You Farmers," said David Stidham, vice president for marketing at Culver's and newly appointed member of the National FFA Foundation Sponsors' board of directors. "We're deeply grounded in the farms that produce the dairy and grow the food that has made Culver's what it is today."

"Culver's and FFA pro-

vide a great partnership that supports agriculture education in our local communities," said Todd Greenwood, director of corporate giving at the National FFA Foundation. "We appreciate that Culver's recognizes the hard work and dedication of farm families. Programs like "Thank You Farmers" are helping to build awareness of the critical role agriculture plays. We are very thankful for Culver's support."

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 Items available in Liberal, KS 67905

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**AUCTION CALENDAR**  
★ 2 Butler County Country Properties!  
**SATURDAY, JANUARY 16 — 10:00 AM**  
5.7 acre +/- Suburban  
3 bedroom home, 24'x48' Morton bldg., Pond, Blacktop frontage.  
Also: Tools, Furniture, ATV, Windmill, Guns & Coins  
inc.: 3000 wheat pennies w/dates from 1946 & down to 1909  
11753 SE Beaumont Rd — BEAUMONT, KANSAS  
SELLER: FRENCH FAMILY

---

**SUNDAY, JANUARY 17 — 1:00 PM**  
5.6 acre +/- Suburban  
3 mi. SW of Augusta, KS on Thunder Rd.  
3 bedroom, 2 bath, full brick ranch-style home w/2-car attached garage, full finished bsmt, blktp frontage.  
12626 SW Thunder Rd. — AUGUSTA, KANSAS  
SELLER: KENDRA TILLEY

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## COIN AUCTION

**SATURDAY, JANUARY 23, 2016 — 1:00 PM**  
Auction will be held in Kenwood Hall at the Saline Co. Expo Center 900 Greeley in SALINA, KANSAS

**COINS**

**Coins inc.:** Silver & Related Dollars: Morgan Dollars, PEACE Dollars, Eisenhower, Eisenhower Bicentennial, Susan B. Anthony, Silver Dollar Commemoratives; **Gold Dollars:** Quarter Eagle, Indian Head, Half Eagles Liberty Head, Eagle Liberty Head; **Half Dollars:** Liberty Walking, Franklin, Kennedy Halves; **Quarters:** Liberty Seated, Barber, Standing Liberty, Washington 1932 to 1964; **Dimes:** Liberty Seated, Barber, Mercury, Roosevelt 1946 to 1964; **Nickels:** Shield, Liberty Head, Buffalo, Jefferson; **Pennies:** Indian Heads, Wheat, Steel, Memorial 1960 to 1964 unc.; **Other Coins:** Proof Sets, Mint Sets, U.S. Commonwealth Coins, Foreign coins, Trade Tokens; **Paper Money inc.:** \$20 Gold Certificate, \$10 1934c Bills, \$5 Silver Certificate, \$5 Red Seal Bills, \$2 Red Seal Bills, \$2 1976 Series Bills, \$1 Silver Certificates, \$1 Barr Dollars, \$1 Bills in Succession; **Assortment of coinbooks and supplies.**

Note: This is a private collection. For coin list check our website at [www.thummelauction.com](http://www.thummelauction.com)  
Auction Conducted By: **THUMMEL REAL ESTATE & AUCTION LLC**  
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## ANTIQUA AUCTION

**SUNDAY, JANUARY 24, 2016 — 10:00 AM**  
Auction will be held in Kenwood Hall at the Saline Co. Expo Center 900 Greeley in SALINA, KANSAS  
**SIGNS, CROCKS & COLLECTIBLES**

**Signs inc.:** (Coca Cola double sided, Standard Iso Vis, DX Super Boron, Texaco Fire Chief, 2 Mobil restroom, Emporia adv, Sinclair gas pump flange, Ford Service, Railway Express, Phoenix Assurance, wood Coke, Nesbets, A&W Orange, Budweiser King of Beer, Bud light pool table light, Budweiser neon, Busch); Proctor & Gamble clock; Phillips 5 gal can; **Railroad inc.:** (Railway Express box, 10 lanterns C&NW, ATSF, Rock Island, Great Northern, PRR, CM & STP); **Crocks inc.:** (5 gal double handle Albany beehive jug; 5 gal Albany cooler; 5 gal hand turned cooler; 5 gal RW water cooler lid; salesman sample Albany spittoon; 3 gal Waconda Water jug; 20 gal elephant ear transition crock, 20 gal RW, 6 gal RW blue birch leaf churn, 5 gal RW birch leaf churn black oval over, 3, 4 & 5 gal large wing RW churns, 3, 4 & 5 gal churn lids, 1/2 gal RW Mason jar black, 2, & 3 gal, RW crock lids, 2 gal RW crock, 2 gal RW oval over crock; 2 gal RW birch leaf crock; 2 gal RW salt glaze single P crock; 8 gal RW birch leaf churn w/ski oval; 5 gal RW elephant ear crock; RW advertis-

ing sponge panel & band bowls & band pitcher, 5 gal RW advertising butter crock, 5 gal RW beehive jug, 5 gal RW birch leaf beehive jug; 3 Star coffee adv crock; 2 & 4 gal salt glaze beehive jugs, 1 gal salt glaze shoulder jug, 15 mini adv jugs, Great Bend adv jug, Red Wing Luck WI adv beater jar, RW sponge band beater jar, RW sponge band mug, 1 qt bottom mark Red Wing jug, 1 gal bottom mark Red Wing snuff jar, RW jolly jar, RW ashtray, Kearney Ne. adv crock rolling pin, RW IA. Adv beater jar, 3 gal salt glaze crock w/rib cage target, 3 & 4 gal elephant ear crocks; 4 gal birch leaf crock; Red Wing flower pot bases; 5 gal birch leaf jug; blue sponge spittoon; 4 gal salt glaze lid; White & Mather adv crock; 2 gal Western crock; Red Wing commemoratives; blue/white basin bowl); **Coffee tins & jars** (2 lb Webb, Nash, Blue Ribbon, other: 1 lb. Deluxe, Triumph, other, Law coffee jars, Kaulity Kup Emporia, other) mounted fish; pop bottles (Mildes, Atlas, Pokago, other); Halloween skirt, masks & game; 1934 Worlds Fair ash tray; Salina picture Benz Store & Repair Shop early 1900;

child's 3 drawer chest; baby shoes in box; bonnet & booties in box; **linens inc.:** pillow tops, scarves, dollies, embroidery pillow cases, table clothes; **75 lots of Sterling silver inc.:** 4 gram bar, charms, thimble, necklace & earrings, pins, rings, bracelet, spoons, forks; 4 section stack bookcase; oak child's chair; cedar chest; modern curved china cabinet; **Glass inc.:** Fenton (epergne's, baskets, rose bowls, vases, swan & bowl, coffee cups); Carters 6 sided ink bottle; Sunkist juicer; table set; stem collection; chicken plates; cast iron McCormick spreader w/team; horse & carriage clock; price guide books; Argus & Kodak camera's; modern fishing equipment;

Note: For pictures check our web site at [www.thummelauction.com](http://www.thummelauction.com). We have combined several private collections to make a very nice auction.

Auction Conducted By: **THUMMEL REAL ESTATE & AUCTION LLC**  
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## AUCTION

**SATURDAY, JANUARY 30, 2016 — 11:00 AM**  
1428 JULIE DRIVE, WAMEGO, KANSAS  
(CHECK WEBSITE OR CALL 785-770-0066 IN EVENT OF INCLEMENT WEATHER)  
REAL ESTATE (SELLS APPROXIMATELY 12:30 PM)

Very nice clean house with 3 bedrooms, living room, kitchen, utility room and bath on main floor with a finished lower level which has a large family room, bedroom, bath & storage. The home has stairway lift chair to lower level. There is a single car attached garage & utility shed in the large fenced backyard. There has been many updates in recent years including Custom Woods kitchen cabinets, new windows & doors; new electrical main, newer carpet, handicap accessible shower & many other features. The exterior of home was painted in 2015.

Buyer to pay 10% down day of Auction with balance due on or before March 1, 2016. All inspections to be completed prior to Auction at Buyer's expense if requested. Taxes prorated to closing. Cost of Title Insurance to be divided equally between Buyer & Seller. **STATEMENTS MADE DAY OF AUCTION TAKES PRECEDENCE OVER ANY OTHER INFORMATION. OPEN HOUSE Wednesday, January 20, 2016 from 4-5:30PM or by appointment by contacting Vern Gannon Auctioneer/Broker 785-770-0066 or Gannon Real Estate & Auctions 785-539-2316.**

**2006 Dodge SXT Grand Caravan Van**, 139,284 miles, new battery & brakes, has been serviced regularly-very good Van.

Whirlpool refrigerator; Maytag automatic washer; Whirlpool dryer; glass top electric stove; Magic Chef refrigerator; antique square Oak table with 3 leaves & chairs; 2-door washstand; loveseat hide-a-bed; desk; Oak double bed; 4-drawer chest & matching vanity with mirror & bench; Maple double bed, dresser with mirror & chest; Blonde desk & chair, 2 twin beds, chest & mirror; blue couch & 2 matching chairs; small dropfront desk; Blonde double bed; 5-drawer chest; 2 Walnut end tables; small wood desk; 6 dining chairs; tall stand;

baby bed; 1950's blue metal stroller; magazine racks; stand & coffee tables; plant stand; step stool; card table; **Stylus wheelchair (like new)**; footstool; chairs; painted bookcase; Oak plate rack.

Dionne Quints picture; mirror; pictures; Indian Maiden & Eagle statues; Tupperware; coffee cups; electric skillets; heater; fans; towel bar; figurines; candleholders; clock; assortment of glassware & dishes; dresser lamps; vases; coolers; desk lamp; kitchen items; pots; pans; teapots; several coins; plastic Angels (lawn); material; pillow stuffing; artificial flowers; Holiday decorations; stuffed animals; bedding (single & double); blankets; lots miscellaneous.

Patio table & 4 chairs; lawn fountain; bird bath; concrete deer; variety of yard art; lawn chairs; pit BBQ; patio stand; tractor seat stool; flower pots; stool; chairs; riding lawn mower; Lawn Boy self-propelled push lawn mower; near new generator; wheelbarrow; aluminum extension & step ladders; lawn aerator; lawn fertilizer/seed; gas weedeater; leaf blower; manual pole saw; halogen light; tractor lawn sprinkler & garden hose; 2-wheel cart; battery charger; extension cords; ensilage fork; shovels; lawn & garden tools; post hole digger; furniture clamps; hog waterer & stand; 4 small propane bottles; various shop & garage items.

NOTE: This is a partial list. Ruby & Rocky have moved to a Retirement home. Very clean Auction.

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# BAXTER BLACK

ON THE EDGE OF COMMON SENSE

## Pleasant Valley

Once upon a time there was a beautiful little valley called Pleasant Valley. Pristine streams ran down from wooded hillsides. Wild game was abundant. Fish flourished. The peasants tilled their farms and irrigated them with mountain water. The livestock grazed the grassy meadows. It was a contented community, though lacking in material wealth.

Word of the scenic beauty of Pleasant Valley spread. People came to admire it. Some stayed. They brought with them treasured flora and fauna from their homes far away. Others followed to do their laundry and build their homes and teach the children of the newcomers.

Those that came formed

a committee to preserve the beauty of Pleasant Valley. A planned community was envisioned. Architecture and public buildings were required to conform to a style pleasing to the committee.

Streams were diverted to do the laundry of the newcomers. To water the lawns around their houses and bathe their children. The town became a city. Muddy tracks from the farm trucks detracted from the image Pleasant Valley hoped to project. Animal smells wrinkled eco-sensitive noses. The peasants were encouraged to move to a neighboring valley.

Pleasant Valley grew. The committee imposed wood-burning bans, zoned restricted agricultural

areas, stressed cart pooling on the golf course and recycled the Cultural Center newsletters. After agonizing consideration they built a nuclear plant because it was the cleanest and least ecologically depleting fuel. Hydro-electric power was unthinkable since it required damming a natural stream.

Eventually, the natural streams could not supply enough water to support the environmentally safe service industries that had become the lifeblood of Pleasant Valley.

The committee again considered damming the stream but the Concerned Citizens of Pleasant Valley rallied and prevented the dam's construction. They agreed to put bricks in their toilet to save water.

The committee, in desperation, approached the peasants, "We want to buy your water and pump it to Pleasant Valley." The peasants asked how they would irrigate their crops and water their stock if they gave up their streams?

"It doesn't matter," explained the committee, "You will be rich."

So they took their water. Then they said to the peasants that were left, "We need a place to dump our nuclear waste..."



## Yard & Garden Tips

By Gregg Eyestone

### Pruning Needed?

A bright spot in the recent weather was the added moisture. It appeared to me that the branches that broke from trees were ones that were flawed. Smaller dead branches came out of some of my trees. Since I hadn't gotten to them, this was nature's way of pruning for me.

Some of my shrubs laid over but have bounced back. This indicates that the best thing to do is let nature run its course. Attempting to remove ice from plants will likely cause more harm than good. Spring is a good time to make judgement on shaping up damaged shrubs.

The hardest-hit in my landscape were the ornamental grasses. They won't be straightening up. I might as well cut them off about six inches from the ground now. Since my strawberries need mulched, the grass blades will be used as my

straw.

Pruning on plants can be done at any time. Prune broken branches to the next larger branch or to the trunk. If cutting back to the trunk, do not cut flush with the trunk but rather at the collar area between the branch and the trunk. Cutting flush with the trunk leaves a much larger wound than cutting at the collar and takes longer to heal.

Take large limbs off in stages. If you try to take off a large limb in one cut, it will often break before the cut is finished and strip bark from the tree. Instead, first make a cut about 15 inches from the trunk. Start from the bottom and cut one-third of the way up through the limb. Make the second cut from the top down but start two inches further away from the trunk than the first. The branch will break away as you make the second cut. The third cut, made at the collar area, removes the stub that is left.

Big and heavy pruning is best left to the certified arborist that has the equipment and experience. A good arborist knows how to prune trees so that storm breakage is less likely to occur. Preventing damage is better than trying to fix it once it has happened.

You can find out more information on this and other horticulture topics by going to the Riley County, K-State Research and Extension website at [www.riley.ksu.edu](http://www.riley.ksu.edu). Gregg may be contacted by calling 785-537-6350 or stopping by 110 Courthouse Plaza in Manhattan or e-mail: [geyeston@ksu.edu](mailto:geyeston@ksu.edu).



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# AUCTION

**SATURDAY, JANUARY 23 — 9:30 AM**  
**3408 W 6th American Legion — LAWRENCE, KANSAS**

**200+ FARM & CONSTRUCTION TOYS!!**  
 Arcade John Deere A tractor double muffler w/driver; Eska JD pull-type combine; Arcade McCormick Deering Thresher; Arcade 2 row plow; Sad Face Fire Truck Pedal car; 16 & 32 in. Military Boats; 1/8 scale Tonka Dump Truck; Hallmark 1935 American Fire Tower truck; Ford GTO; Hummer Tough Truck set; **1/16th Farm w/boxes:** 1986 Museum Special Edition Set #1 Cockshutt 40, Cockshutt Deluxe 50 & Blackhawk 40; 1987 Museum Special Set #2 Cockshutt 560, 570 Super & 570; 1988 Museum Set #3 CO-OP E 5, Cockshutt 40 & 50; 1990 Cockshutt Collector Black hawk 20, Blackhawk 50 7 Cockshutt 560; JD 9600 combine Collector's Edition; Toy Farmer NH 8260 tractor; Universal CO-OP Cust 619 5th in series tractor; JD 2640 Field Dreams; White American 60 1st Edition Set of Four tractors; Ford NAA Golden Jubilee; McCormick W-30; AC D-19; Oliver 1950-T; IH 1468 V8; 1996 Toy Farmer Agri-King 1170; Ford 981 Select-O-Speed; Nutrena Feeds 75th Ann. IH Kerosene tractor; Case 300; Farmall F20; Ford 640; IH Cub Red & Yellow; Case IH 7140; JD 8300T; **1/16th Farm No Boxes:** Hubble NF & Wide tractors; NH 8340 w/loader; Ford 8N, 4000, 2-4600's, 7710,8000,9770; JD A, 50, 630, 720 w/blade, 950, 950 w/backhoe, 2755 w/loader, NF 3010, 3020 w/duals & 4 bottom plow, 4010, 4320 Diesel, 5020 Diesel, 7600, 9620 4WD; Farmall A & H; AC WD45; Red & White cab IH 1066 5 Millionth tractors; IH 300 Utility & 460; MF 2805; Farmall Super M-TA; Case 3294; IH 5088; NH 664 baler; IH Case 8575 baler AC flare wagon; IH Gravity Box wagons; JD wagons; other implements; Nylint Stake Truck; Tonka car hauler.

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 Winchester Model 20 410 Rare!; Winchester Model 1897; Winchester Model 59; Ithaca Model 37 Featherlight; American Arms 20 ga.; Springfield Model 94B; Stevens Model 9478; Remington Model 12-A; Ruger 10/22; Remington Fieldmaster Model 572; Savage Over/Under 20 ga.; Ruger LC9 Camo 9mm (Like New); Smith Wesson 38; Dan Wesson 357; Charter Arms Bulldog; Sig Sauer Mosquito; Ruger Mark II's stainless; H & R Sportsman 9 shot revolver; 1938 Walther P38 8 shot pistol; Colt Frontier Scout revolver; Hy-Score 815 pistol; Navy Arms Black Powders; 100's rounds of Ammo; firearms accessories; several Knives/Bayonets/Machetes; **Go to Web Page for Full Listing! All ATF Rules Apply KANSAS RESIDENTS ONLY!!**

**COLLECTIBLES & MISC.**  
 Vintage 8 in. Bronze KU Jayhawk 21/750 by TM7; Brass older Jayhawk paper-weight; 2 Jayhawk Sedan KS paper-weights; 5-DeSoto State Bank bank vehicles; MFA Oil truck bank; military shovels; small cannon; 30+ 1960's Germany & West Germany Steins (Goebel, Gerz, Gerzit, etc.); Black Forest German Cuckoo Clock; 43 Presidents Knife Set in Case; Numerous items too many to mention!

**WINCHESTER COMMEMORATIVE FIREARMS**  
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