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Wind power energy increasingly affordable

By Paula Glover

The next time you're outside in a brisk breeze, don't curse the wind – harness it.

Recent energy legislation brings Kansas in line with the nation in making wind turbines for electric generation more feasible through something called net metering, which allows these who generate their own electricity to receive retail prices for the excess electricity they generate.

Even for members of co-ops, where the rules are sometimes slightly different, it is possible to install a wind turbine on a budget. Co-ops follow a cogeneration and small power production rate schedule, which returns 150 percent of the utility's monthly system average cost of purchased energy to the individual who produces the electricity.

Mike Patrick, who farms just north of Lindsborg, is one of a new wave of farmers who are installing wind turbines to generate some or all of their farm's electricity.

"I just like building things," Patrick said.

With plans from Prairie Turbines, www.prairieturbines.com, he mainly used items "bought off the shelf" and two years ago, he built a turbine on the farm.

He estimated he has \$7,000 in the turbine, which he painted to look like a sunflower. At current electric rates, he figures it will take around 10 years to get it to pay for itself. It is a 5.5 KW turbine, and if he did it again, he'd put up a 10 KW turbine, he said. It took him about six months of off-and-on work to build it.

The blades are 2x12's that are more than 9 feet long and the tail is 20 feet long, he said. It is 80 feet tall. One feature of the design is it allows for the structure to be



Farmer Mike Patrick stands by the electric meter, which on a windy day, runs backward, indicating that he is returning power to the energy grid; power that the electric co-op purchases from him.

lowered for routine maintenance. He hasn't had to shut the wind generator down due to high wind, which can be a concern to people considering building a turbine.

Wind generation wave of the future

Bruce Graham teaches in the head of the wind energy technology department at Cloud County Community College in Concordia.

"Wind turbines are good for everybody because they help save on the coal that it takes to produce electricity and result in lower carbon dioxide emissions," Graham said. In the past, people have undersized their turbine, so as not to generate more electricity than needed; but now, with the net metering law, there is an incentive to put back onto the electric grid.

"If you can show it will

pay back, is reliable, you can show it is worth looking into," he added. "If co-ops would join in with net metering, you'd see wind generators all over the state."

The school has several instructors and teaches installation and maintenance of turbines.

CCCC's website notes several encouraging facts about Kansas' potential for wind generation. Kansas is third in the nation for potential energy from wind. There are eight existing large-scale wind "farms" and 51 proposed wind projects. Kansas now has over 1,000 megawatts (MW) of wind-powered energy generation.

Wind energy in Kansas is a growing enterprise. Early in September, state legislators approved \$5 million in bonds to help build a wind turbine manufacturing plant

in Hutchinson. German-based Siemens Energy chose Hutchinson as the site of its first U.S. factory to produce the electricity generating parts of the turbine.

For the individual interested in wind turbines, there are several sites on the internet, Graham said.

Beginning the process

Information on wind energy is available through the American Wind Energy Association at www.awea.org and North American Wind Power at www.nawindpower.com

There are companies such as Bergey Wind Power, at www.bergey.com that will sell a landowner a full package and install it, but the cost is between \$45,000 and \$58,000. It is also possible to purchase a system and install it as an individual.

There are several issues a landowner must consider when determining the type of system, including whether or not the farm is subject to frequent power outages and a transfer switch so the landowner doesn't send electricity down the power grid when maintenance is being done to repair an outage. There are also more expensive alternatives for those who are completely off the power grid and would require a generator and batteries.

There are many possibilities, particularly for a person who just likes to build things, but doesn't want to scramble for parts.

Don Lott, who farms and operates a sawmill southeast of Minneapolis, recently put in a wind turbine from Prairie Turbines. He bought the entire kit and said it took about a month to build and he's been hooked up for about three months.

"It seemed like a good idea, with the cost of electricity going up," he said. "Besides, I like to build things." He estimated the 10

KW turbine cost about \$13,000 and would pay off in about 5 years. Because of the sawmill, it will produce about half of his needs. Normally a 10 KW would produce close to what is needed for a home or small farm.

Prairie Turbines is an independent operation started by two brothers-in-law, Tim McCall and Alan Plunkett. They challenged each other to create a simple, cost-effective homebuilt wind turbine fully capable of completely offsetting the average electric bill. It had to be simple, reliable, low cost, and easy to build and maintain.

"Plunkett, who had several years experience with his own large 25 KW wind turbines, challenged that he could build the turbine and structure if I could build an electronic control to manage it. Well, it sounded simple enough," McCall said on the company's website.

"Drawing on experience with his other turbines, Alan knew that the cost of rotor blades and other essentials would leave him no option.

Continued on page 3



Mike Patrick painted his wind turbine to look like a sunflower. He is planning on adding solar panels that will generate electricity for the farm on days the wind isn't blowing.



Alyssa Patrick, 10, shows her father, Mike, one of her kittens. In the background is the wind turbine that generates about half of the family's electricity for the farm, north of Lindsborg.



Over the Barn Gate

By Beth Gaines-Riffel

I was thinking about the word progress last week. I Googled the term, just for fun, feeling slightly bad for my mother's copy of the Webster's New World Dictionary, College edition, which hasn't been getting nearly the use it once did.

One website that offered up the following: A moving or going forward; a proceeding onward; an advance. In actual space, as the progress of a ship, carriage, etc. In the growth of an animal or plant; increase. In business of any kind; as, the progress of a negotiation; the progress of art. In knowledge; in proficiency; as, the progress of a child at school. Toward ideal completeness or perfection in respect of quality or condition; — applied to individuals, communities, or the race; as, social, moral, religious, or political progress. A journey of state; a circuit; especially, one

made by a sovereign through parts of his own dominions. To make progress; to move forward in space; to continue onward in course; to proceed; to advance; to go on; as, railroads are progressing. To make improvement; to advance. To make progress in; to pass through.

It's an interesting concept, progress. What some people consider progress, other people believe it to be detrimental change. But maybe, progress is just another fancy word for change. I've wondered just how far disconnected our urban neighbors are from the food and fiber that they rely on to survive. Is that progress? I think not. In fact, I have contemplated what city folk actually think about most of the time. I find that most days I dwell on issues that are facing agriculture and thus the food that I feed my family — and I

mean beyond the weekly realm of gathering information for the paper. Take for instance, packing lunches late last week after the State Fair entry baking was complete I deliberated not only the substance of the meal — but the source as well. Grabbing a package of ham from the fridge in honor of the struggling swine industry I considered whether I should cut a slice of the white bread made from the flour from the Hudson-Cream in St. John or instead use the whole-wheat loaf made with Whole White wheat, that was also probably sourced in Kansas, but sold under the King Arthur label. Do our urban consumers ever give pause to the items they are feeding their family? Seriously, I want to know if I'm the only one.

Driving down the road I've seen lots of feed piles being made. With a good growing season, the harvest should be plentiful and ranchers will get a break on their feed costs for a change. Do our city cousins ever really notice the activity in the country — except to be annoyed if they happen to be following a slow-moving piece of farm machinery.

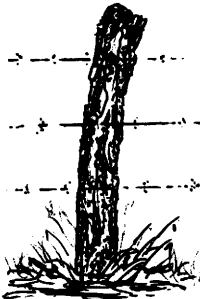
It would seem that the time our city cousins do spend thinking farm issues, the end results are rarely positive. We don't seem to be able to reach them on the level with the good stories — sharing the

toils and triumphs and the pride we take in getting a wholesome and healthy meal to the table. Instead it's much easier for one who is not involved in modern agriculture to latch onto the sensationalized animal care story or choose to join in unreasonable environmental campaigns focusing on eliminating various farming activities, the use of chemicals or other practices. Or better yet, bash the federal farm program which consists largely of nutrition programs rather than payments to farmers.

Is this progress? If it is, I think I might want less of it.

But as we've made progress in agriculture — becoming more efficient, more resourceful, more innovative — we should not lose sight of the fact that what we deem as progress — our consumers may just see it as detrimental change.

Before I go, I'd like to plug a little educational and fun opportunity during the State Fair. The Kansas Beef Council's Beef Cookoff will be held on Sept. 19. Yours truly, as well as seven other finalists, some who have strong ag roots, will be showing off some yummy beef dishes as well as sharing some good information about beef. Hope to see you there. I'll chat with you next week, "Over the Barn Gate!"



The Learning Post

By Gordon Morrison
Concordia Rancher and
Former Agriculture Educator

Life — a continuous cycle

By 10:00 a.m. it was hot and humid, but the melons, tomatoes, and beans were needing picked and, of course, there are always weeds to be chopped. I seem to sweat easily, and my shirt and also my jeans were wet. My body said, "Take a break," so I found a good spot underneath a tree, where a big round bale of old straw beckoned me to come and sit a spell. The light breeze blowing on my wet clothes and body felt good. After a long drink from the water jug, I began to cool down.

I purposely let the cool water flow down my chin and onto my already wet shirt; it felt good. Evaporation is a great coolant. The big straw bale was most hospitable as it yielded to the pressure of my body, molding itself to my shape. I sat there, much aware that life is good as I observed plants responding to hard work and care, yielding their fruit in abundance. The Crimson Sweet watermelons were producing red, sweet fruit. Tomato plants were loaded with ripe juicy tomatoes and the green beans — gosh, there are a lot to pick!

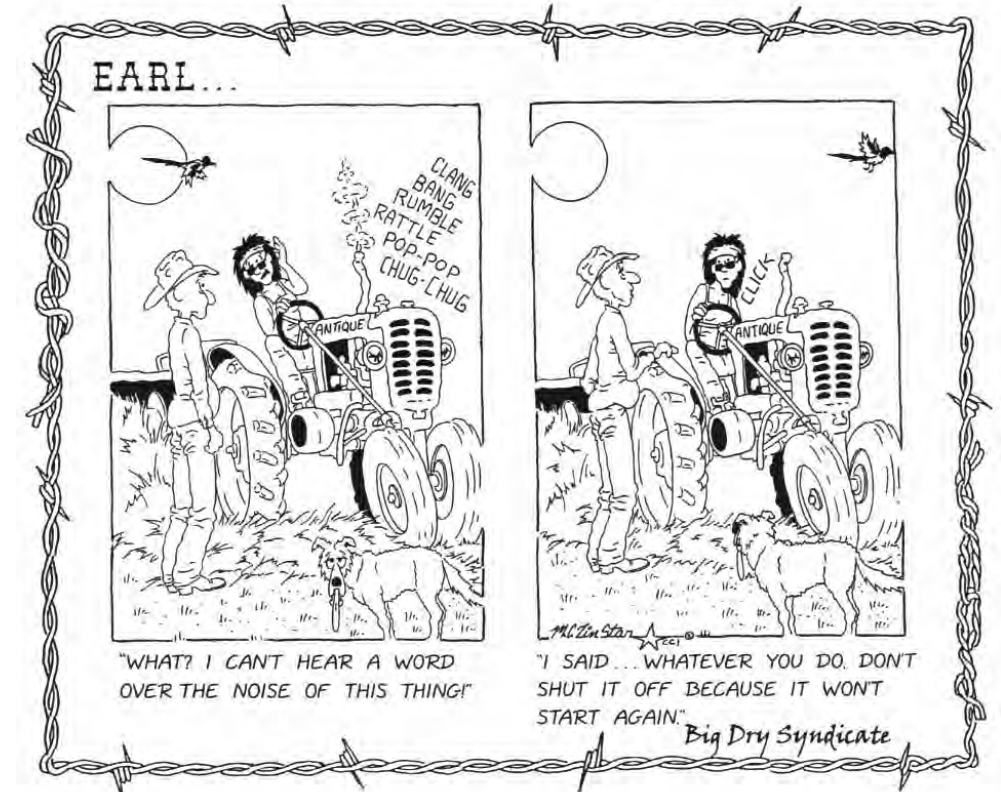
Then my eyes focused on something two feet from my left foot. What is this little creature that is being motionless and unafraid of me, a big human in its tiny world? Why, it's a frog half buried in the straw. Its eyes were open and alert to its surroundings. Yet my eyes had only now picked him up on my radar screen. I watched him for several minutes, wondering what it would be like to be a frog. I became curious, why was he so still and intent on something besides me. To see if he would move, I tried to spit on him, then I broke a tiny twig and finally hit him by throwing it at him. Still he did not move, even when my tiny twigs hit him. The only response I noticed was that he hunkered back into his straw refuge more. As I watched, I saw a spotted cucumber beetle move into the area, unaware of me or the frog. When he got within two inches of my frog, the frog's tongue shot out, catching the beetle and popping it into his mouth. He was having a late breakfast. I thought, "Good for

you, Froggie, that's one less beetle to eat on our garden and spread viruses from infected melon plants to healthy plants". For a few minutes I had become a part of the small animal and insect world.

I marvel at how balanced and correct nature is and how dumb man can be to upset it with his unfounded ideologies. For example, rabbits and mice are in great abundance, but they will be a meal for a hungry coyote or hawk. Trying to enhance the environment for a specific species such as the spotted owl or a small fish in Northern California, thus interfering with industries such as logging and farming and disrupting the economy of many communities for political correctness, is foolish. We need to allow nature to follow its own course.

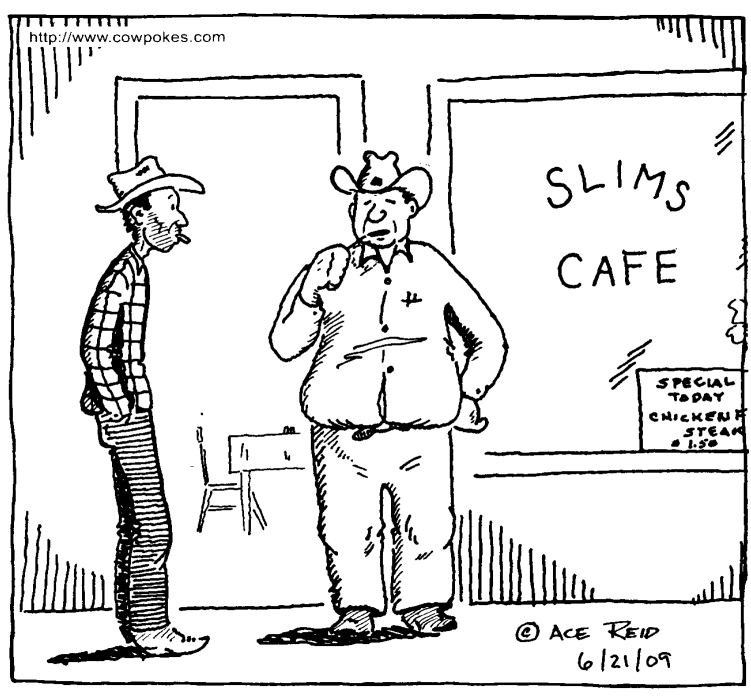
Let's go into the unseen world of tiny bacteria. My straw bale, I notice, is rotting where the straw touches the earth. How does this happen? Microscopic bacteria multiply very rapidly where food is abundant such as in straw, roots, or any residue. Then when moisture is present (wet soil) with oxygen (air), their cells divide and soon a teeming mass of bacteria are decomposing the organic matter, whether it be plant or animal, breaking it down for growing plants to absorb through their roots and use for their growth. It is the plant growth that becomes nutrition for the animal kingdom. Without these tiny bacteria, the straw and other plant residues would not rot, the dead animals would not decay, and soon our world would grind down to a stinking halt.

Our world functions in cycles — the carbon cycle, the nitrogen cycle, and the water cycle to name a few. Man is learning to recycle wastes. All living creatures must die so future generations can live. They must die and then decompose, and this cycling process begins with the tiny, unseen but all important bacteria. Isn't God great? When will we learn that we cannot improve on his plan? Since we are a part of nature, let's allow it to do its thing and just enjoy living until we, too, die.



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By Ace Reid



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Wind energy is an investment, but can provide farms a return

Continued from page 1

He would have to build his own rotor blades, mounting structure, and find competitively priced off-the-shelf components if the cost were to remain within reach of a do-it-yourselfer." The result was the Breezy 5.5. Connected in parallel with the electric utility it produces 5.5 KW with wind speeds of 21-23 mph.

Practical steps to take

There are steps an individual should go through when considering an individual wind turbine project.

Ken Maginley, general manager of Bluestem Electric Cooperative, said the

co-op will work the members who want to do wind turbines. Because each unit has different characteristics, the co-op requires an application, which has a fee, from members to make sure it will not impact the system.

"We've had very little problems," he said. In terms of buying the power back, they follow the State of Kansas rules.

"The true payback is avoiding what they would buy in electricity," he noted.

While net metering sounds like a good deal, many co-ops have concerns. Shana Holsteen, director of communications for the state electric co-op organization, Kansas Electric Coopera-

tives, Inc. has raised several issues about net metering. The main issue of the co-ops revolves around paying retail prices back to consumers, rather than wholesale prices. This does not allow the co-ops to recover costs for the transmission lines and other fixed costs.

Co-op representatives are careful to note they don't oppose alternative electrical generation.

Patrick said Don Helwig at DS&O Electric was extremely helpful and encouraging during the planning process for his wind turbine. Helwig said that the co-op is glad to work with customers who seek to generate their own power.

Another consideration for landowners would be to contact their local zoning department, said Greg Webster, Pottawatomie County zoning administrator.

"We allow wind generators for personal use, but there are considerations in height limits and property-line setbacks," he said. A wind farm, however, would require a conditional use permit.

"We want to allow and encourage all types of alternative energy," he said, "but at the same time, lessen the impacts on neighbors."

"We've had more inquiries lately about wind turbines for farm use," he said.

Oak Hill plans fall fun

The Middle of Nowhere Fair returns to the tiny rural city of Oak Hill, population 30, on Saturday October 10 from 9 a.m. to 4 p.m. in southwestern Clay County. This big fair in a little town celebrates rural Kansas life on the prairie. This year there are local vendors selling their handmade arts & crafts, and Kansas-made products including pottery, botanical art, weaving, honey, jams, herbal vinegars, 4-H bake sale, collectibles, antiques and much, much more. An excellent opportunity to do some Christmas shopping, buy local, and support area artisans.

There will be Kansas authors who will sell their books and also do workshops on how they find and write their stories. Lunch will be a local fresh roasted pig washed down with delicious bottled water from Longford. While you chow down or just stroll around, you can listen to live music and get your face painted. More events are in the works and booths are still available. For further information or an application, please contact Meg Perry at (785) 388-2665 or bbmerc@twinvalley.net or stop by Blackberry Mercantile.

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TRACT ONE: 117 acres m/l: E 1/2 of E 1/2 of SW 1/4, and W 1/2 of SE 1/4 less right of way, in 34-3-13 of Adams Township, Nemaha County, Kansas. One pond, Barn, Includes 12.7 acres of CRP at \$679.00. Seller retains 2009 payment, Buyer to receive remaining payments. CRP ends 9-30-2012.

TRACT TWO: 80 acres m/l: S 1/2 of NW 1/4 less right of way, in 27-4-13, of Harrison Township, Nemaha County, Kansas. Includes three ponds. Taxes \$ 270.52

TERMS: All financing must be in order prior to Auction day. All inspections, by the buyer, if any must be done before auction day. 10% of selling price will be required along with signing of contract immediately following auction. Balance due upon closing, on or before Oct. 23, 2009. Possession upon closing, with the seller retaining the right to pasture Tract one until Dec 1, 2009. Closing and escrow cost to be shared equally. Properties sell subject to Sellers confirmation. Correct legal, if different, will appear on the deed.

For folder on property, please call Roger Hartter at 785-284-2590 or 284-2643. Maximum Realty Inc is representing the Sellers. Announcements auction day take precedence over any written material.

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

Mary Lou Smith, Burns, Wins Recipe Contest And Prize In G&G

Winner Mary Lou Smith, Burns: "This is a recipe I used years ago then misplaced it, now is found. Very good! I have used canned tomatoes and canned corn and left out the green pepper and was still very good."

ZUCCHINI BEEF SKILLET

- 1 pound ground beef
- 1 cup chopped onion
- 3/4 cup chopped green pepper
- 1 clove garlic, minced
- 1 1/2 teaspoons salt
- 1/4 teaspoon pepper
- 2 tablespoons chopped pimientos
- 1/4 cup fresh parsley
- 1 teaspoon chili powder
- 5 cups sliced zucchini or summer squash
- 2 large tomatoes, peeled & chopped
- 1 1/4 cups fresh whole kernel corn (about 3 medium ears)

Saute beef, onion, green pepper and garlic in a 12-inch skillet until well browned. Add remaining ingredients and cover and simmer 10 to 15 minutes or until vegetables are tender. Makes 6 servings.

Alice Sperfslage, Sabetha:

SALIBSURY STEAK

- 2 pounds ground beef
- 1 egg, beaten
- Small onion, chopped fine
- 6 crackers, soaked in milk (just enough to cover crackers)

Salt & pepper to taste

Mix as for meatloaf and shape into small patties. Roll in flour and brown slowly in small amount of fat in a skillet. Remove to a baking pan. Make a brown gravy with drippings using about 4 tablespoons each of drippings and flour to 2 cups water. Season gravy and add a teaspoon of Kitchen Bouquet and 2 beef bouillon cubes

(optional). Gravy thickens as it cooks. Pour gravy over steaks and bake covered for 45 minutes in a 300-degree oven.

Jean Kuehler, St. George: POTATO SALAD

- 5 pounds potatoes (boiled), chopped
- 8 hard-cooked eggs, diced
- 1 medium onion, chopped
- 2 cups Miracle Whip
- 1 cup sugar
- 1 tablespoon mustard
- 1/2 tablespoon dill weed

Boil potatoes in salted water. Add sugar to Miracle Whip and combine. Combine all ingredients and mix well. Refrigerate.

Lynn Burgess, Lyons: "These are delicious with or without frosting."

BREAKFAST SQUARES

- 1 1/4 cups boiling water
- 1 cup quick oatmeal
- 1 stick margarine
- 2 eggs
- 1 teaspoon cinnamon
- 1 cup brown sugar
- 1 cup white sugar
- 1 1/3 cups flour
- 1 teaspoon baking soda
- 1/2 teaspoon salt

Pour boiling water over oats and margarine. Mix eggs, sugars, flour, salt, soda and cinnamon. Add to oatmeal mixture. Pour into a 9-by-13-inch pan. Bake at 350 degrees for 30 to 35 minutes.

Frosting:

- 1/3 cup margarine
- 1/2 to 2/3 cup brown sugar
- 1/4 cup half & half or evaporated milk
- 1/4 to 1 cup coconut
- 1/2 cup chopped nuts

Mix all together. Heat if necessary to melt butter. Pour over the oatmeal in the pan and put under broiler until browned. Cut into squares. Cover and refrigerate any leftovers.

Helen Winsor, Grantville: TOMATO SAUCE

- 3 quarts peeled & chopped tomatoes
- 4 onions, chopped
- 4 hot peppers
- 1 1/2 teaspoons salt

- 1/4 cup white vinegar
- 1/4 cup sugar

Cook in a large kettle for 2 hours. Can or freeze.

Sandy Hill, Eskridge: CREAMY ORANGE CAKE

- 1 cup boiling water
- 4-ounce serving size box orange-flavored gelatin
- 1 box super moist white cake mix
- 3/4 cup frozen (thawed) orange juice concentrate
- 1/3 cup vegetable oil
- 1/4 cup water
- 4 egg whites
- 12-ounce container whipped vanilla frosting
- 8-ounce container frozen whipped topping, thawed

Heat oven to 350 degrees for shiny metal or glass pan (or 325 degrees for dark or nonstick pan). Spray bottom only of a 9-by-13-inch pan with baking spray with flour. In a small bowl, mix boiling water and gelatin until gelatin is completely dissolved. Cool slightly, about 5 minutes. In a large bowl, beat cake mix, 1/4 cup of the orange juice, oil, water and egg whites with electric mixer on low speed for 30 seconds. Beat on medium speed 2 minutes, scraping bowl occasionally. Pour into pan. Reserve remaining gelatin mixture and orange juice concentrate. Bake 35

minutes or until toothpick inserted in center comes out clean. Poke warm cake every inch with fork. Place 1 tablespoon of the reserved gelatin mixture in microwavable custard cup or small bowl; set aside. Into the rest of the gelatin mixture stir remaining 1/2 cup orange juice; pour slowly over cake. Cool cake about 1 hour. In a bowl gently stir together frosting and whipped topping; frost cake. Microwave 1 tablespoon gelatin uncovered on high for 10 seconds to liquify. Using 1/4 teaspoon measuring spoon place small drops of gelatin lightly over frosting. With spoon or toothpick, swirl gelatin into frosting. Store covered in refrigerator. Makes 12 servings.

Millie Conger, Tecumseh: "These taste like a famous restaurant biscuit."

CHEDDAR BISCUITS

- 1 3/4 cups flour
- 1 tablespoon plus 2 teaspoons baking powder
- 2 1/2 teaspoons sugar
- 1/4 teaspoon salt
- 3 tablespoons shortening
- 4 tablespoons cold unsalted butter cut into 1/2-inch pieces
- 1 1/4 cups grated cheddar cheese

REAL ESTATE AUCTION

SATURDAY, OCTOBER 3 — 10:30 AM

160 ACRES SOUTHERN NEMAHA CO. CRP GRASS & WILDLIFE HABITAT

Auction location: The Onaga Senior Center, 1001 Bypass Rd., ONAGA, KANSAS

PROPERTY LOCATION: From Centralia, KS, go 8 mi. south on "G" Rd. to 24th Rd., then 1 mile west to "F" Rd., then 2 mi. south on the west side OR from Onaga, KS, go 5 mi. north on the Onaga Rd. to 1st Rd., then 1 mi. east to "F" Rd., then 1 mi. north on west side.

LEGAL DESCRIPTION: The SE 1/4 of 26-5-11, Nemaha County, KS, consisting of 160 acres, M/L, of which 106.59 acres are in native CRP grass, approx. 15 acres native grass meadow with the balance in wildlife habitat. This property lays well with a gentle slope and it has a good stand of grass. It also offers good deer, turkey and quail hunting potential.

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Choose Foods, Lifestyle to Prevent Diabetes

MANHATTAN — In the U.S., about 8 percent of the population — 24 million children and adults — has diabetes. The Centers for Disease Control and Prevention also reports that about 57 million Americans have pre-diabetes, and that one in three children born after 2000 is at risk of developing the disease.

Genetics factor into whether or not an individual will develop diabetes, yet everyday choices can increase vulnerability, said Mary Meck Higgins, Kansas State University Research and Extension nutrition specialist.

Early symptoms of the disease can include blurred vision, excessive thirst, frequent urination, hunger, unexplained fatigue or irritability, said Higgins, who is a certified diabetes educator.

Some who have diabetes may not identify symptoms with the disease, said Higgins, who shared that her brother-in-law's unexplained — and uncharacteristic — irritability was ultimately attributed to diabetes.

Others who have the disease may not experience any symptoms, she said. She

encourages an annual health screening that includes measuring fasting blood sugar levels.

An early diagnosis can be an advantage and prevent serious problems, since uncontrolled diabetes can lead to amputation of the feet or legs, blindness, kidney failure, and sexual dysfunction in men and women, she said. If not controlled during the first trimester of pregnancy, diabetes can cause birth defects or the death of an unborn child. If not controlled during the second or third trimester, diabetes may lead to a large baby and put mother and child at risk.

Up to 58 percent of the people diagnosed with pre-diabetes, and as many as 71

percent of adults ages 60 and over who are diagnosed with pre-diabetes, can delay or prevent the development of type 2 diabetes, said Higgins, who offered the following preventative health tips:

- Get an annual health screening, including a fasting blood sugar test.
- Strive to maintain blood sugar, blood pressure and cholesterol at healthy levels. Research from the Diabetes Control and Complications Trial, conducted from 1983 to 1993 and funded by the National Institute of Diabetes and Digestive and Kidney Diseases, has shown that keeping blood sugar levels as close to normal as possible can reduce damage to the eyes by 76

percent and damage to kidneys by 35 to 56 percent.

- Reduce body weight by 5 to 7 percent, if overweight. A person weighing 200 pounds can experience health benefits from losing as little as 10 pounds.
- Be physically active for at least 30 minutes most days to improve blood sugar levels, decrease insulin resistance and reduce the risks of a heart attack or stroke. If pressed for time, try exercising at five-or 10-minute intervals to accumulate 30 minutes of physical activity. Try parking the car at the far end of the parking lot and walking, or taking the stairs, rather than the elevator or escalator.
- Avoid tobacco use.
- Color your plate —

choose brightly colored vegetables and moderate portions of fruit, whole grains, and proteins such as cooked dried peas and beans, soy foods, low-fat or skim dairy products, fish, nuts, seeds, chicken or turkey (without skin), lean cuts of red meat or eggs.

- Reduce intake of saturated or solid fat, salt and added sugar.
- Learn how to cope with necessary stresses; reduce or eliminate unnecessary stresses.
- Brush and floss teeth daily to protect teeth and gums.
- Report changes in eyesight to a health care professional.

Contact the county or district K-State Research and

Extension office for more tips to reduce risks from diabetes. Classes, including "Dining with Diabetes" and "What's Cookin' with Diabetes," a collaborative effort with Blue Cross and Blue Shield and Prime Therapeutics, both of Kansas, offer tips for healthy meals and snacks. More information on collaborative classes is at www.bcbssks.com and click on "Cookin' with Diabetes."

More information also is available from the American Diabetes Association (www.diabetes.org), the National Diabetes Education Program (www.ndep.nih.gov), and the National Diabetes Information Clearinghouse (www.diabetes.nih.gov).

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Hereford association report shows year-end increases for cattle and memberships

Hereford breeders continued to experience an increased demand for Hereford genetics during the 2009 American Hereford Association (AHA) fiscal year that ended Aug. 31. The Association experienced an increase in registrations and membership as production sale prices remained consistent with previous years. The second largest cattle breed in the U.S., Hereford reports 64,293 registrations and 31,747 transfers with 103,093 cows on inventory. The Association has 3,434 active adult members and 2,256 active junior members — both an increase compared to fiscal year 2008.

“The year end figures are very exciting considering the state of the economy and the decreasing national cow herd size,” says Craig Huffhines, AHA executive vice president. “Hereford breeders continue to see a shift in demand as more and more commercial producers are realizing the benefits of heterosis and incorporating Hereford genetics in their breeding programs.”

To aid in this shift, AHA continues to participate in

real-world research projects that validate the value of Hereford genetics. In April, results of the Circle A Ranch Heterosis Project were released that documented Hereford-sired females have a 7% advantage in conception rate, net income of \$51 more per cow per year and a significantly higher selling price for bred heifers when compared to straight-Angus females. For more about the Circle A project and other research projects visit Hereford.org.

Hereford breeders continue to recognize the advantages of artificial insemination (AI). Since 2003, the number of AI calves registered has increased by 33%. Hereford semen demand in the commercial industry is also increasing. According to the National Association of Animal Breeders (NAAB), Hereford semen sales increased 8.4% in 2008, despite an overall decrease in domestic beef semen sales. Helping with this progress has been the AHA’s Whole Herd Total Performance Records (TPR™) program. Now nine years old, the program has

helped the AHA and Hereford breeders build a database that documents the breed’s strengths. More and more Hereford breeders continue to go above status quo and submit ultrasound data, body condition scores, udder scores and cow weights, which all add to the integrity and accuracy of the AHA database. A total of 164 Hereford production sales were reported by AHA fieldmen this fiscal year. Bull sales averaged \$3,194 and females \$2,811.

Also noted at the fiscal year’s end are top registrations by state and by breeder. Texas topped the list of registrations per state at 8,707 with Nebraska, Kansas, South Dakota and Oklahoma rounding out the top five. The top five breeders by registration numbers were W4 Ranch, Morgan, Texas, with 742 head; Rausch Herefords, Hoven, S.D., 643; Upstream Ranch, Taylor, Neb., 594; Imig Herefords, Lakeside, Neb., 469; and Star Lake Cattle Ranch, Skiatook, Okla., 406.

Kansas man bags sunflower harvest

GALVA (AP) — Kansas is known to many as the Sunflower State, but in reality, fields of golden sunflowers are few and far between.

The state is ranked third in sunflower production, behind the Dakotas, according to the United States Department of Agriculture.

But sunflowers seem to be making a comeback in the Sunflower State.

The crop’s higher cash prices, which many are attributing to Lay’s Potato Chips’ use of sunflower oil for its potato chips, is catching the eye of many area producers.

But some don’t plant sunflowers for the oil. A second, larger market for the mile-high plant is the use of sunflower seeds as bird seed.

“We enjoy feeding and watching the birds,” said Galva producer Don Unruh, who adds that many birds enjoy eating sunflower seeds.

According to the U.S. Fish and Wildlife Service, sunflower seeds are the No. 1 choice for most wild birds.

“Black-oil sunflower has a higher percentage of meat and is a very nutritious source of high quality protein.”

The softer outer shell makes it easy for smaller birds like chickadees, nuthatches, titmice, goldfinches, pine siskins and

finches,” Wild Birds Forever said. “The seed also boasts a high concentration of oil which is especially important in the winter. Birds will use their oil glands to spread the oil over their feathers to keep them buoyant, dry and warm.”

Unruh has been growing black oil sunflowers for 10 years and bagging them as bird seed. Last year he purchased his own bagging system.

“At first we had the elevator bag them and we cut back some of the seed. Then eventually others heard about it and said ‘I want some too,’ “ Unruh said.

Unruh said his secret to keeping the seeds clean is what has made him successful.

Unruh sells some of his seeds out of his backyard but most of them are sold at Chisholm Trail Country Store in Newton and Sheila’s Garden Market in Galva.

The Unruhs are happy where they’re at and have no plans of starting their own store.

“If you want to devote your life to it we could open a store,” Sharon Unruh said. “It works good as a hobby and we can make a little extra money. It’s fun and makes some money but it is added work.”

Unruh has also started to bag his field corn and sell it to Chisholm Trail Country Store as deer corn for hunters.



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LOCATED: 207 East 7th Street, BLUE RAPIDS, KS
REAL ESTATE - SELLS AT 1:00 PM

GENERAL DESCRIPTION: Modern 2 bedroom brick home with a large fenced in corner lot. Home has 6 rooms with a main floor utility. Living room has a gas fireplace and the home has an Amana hi-efficient furnace/air unit.

LEGAL DESCRIPTION: Lot 69, Chestnut Street in the city of Blue Rapids.

TERM: Cash with 10% down payment earnest money day of sale with the balance due on or before October 23, 2009 with delivery of marketable title. For inspection or inquiry, please contact brokers. Statements sale day take precedence. Brokers are agents for the seller.

ALL PROSPECTIVE BIDDERS: This home will sell in its present existing condition without any warranties or inspections provided by the sellers or auctioneers. Prospective purchasers are urged to inspect the property and to have any inspections, including lead based paint, mold and mildew, radon gas, structural, mechanical, electrical or plumbing completed prior to auction day. Information given is from sources deemed reliable but not guaranteed by the sellers or brokers.

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Field day set for October 3

The Kansas Angus Association and Eby Ranch will host a full day of activities at the Kansas Angus Association Field Day, October 3, 2009 near Emporia. Field day hosts, sponsors and featured speakers will engage participants to "look to the future" of the Angus and beef industries.

A full day of activities beginning at 10:00 a.m. and ending at 4:00 p.m. is scheduled.

The day will include ranch tours, cattle displays by area Angus breeders, youth activities, speakers and a Certified Angus Beef® steak lunch.

Located in the beautiful Flint Hills of Kansas, Eby Cattle Co. LLC is owned by Don Eby and family. Eby Cattle Co. LLC is relatively new to the Angus seedstock business in Kansas. In the

early 2000's, a cow herd was started that focused on the fundamentals.

Three Kansas Angus breeders will also be featured at Eby Cattle Co. LLC: Sankeys 6N Ranch, Council Grove; Vohs Angus Farm, Allen; and McCurry Angus Ranch, Burrton, will have cattle on display. Field day sponsors will also set up informational booths and will provide door prizes.

Angus breeders, beef producers and industry professionals are invited to attend the Kansas Angus Field Day. There is no fee for field day participants, however pre-registration by September 21 is encouraged and appreciated. Register online at www.kansasangus.org or contact the Kansas Angus Association at (620) 872-3915, kansasangus@wbs.net.

Soybean checkoff-funded study finds biodiesel boosts prices

A new study funded by the United Soybean Board (USB) and soybean checkoff proves the value of the biodiesel industry to soybean farmers. According to the study, U.S. soybean farmers received an additional \$2.5 billion in net returns over the last four years due to the biodiesel industry's demand for soybean oil. This demand added up to 25 cents in support for the per-bushel price of soybeans.

Soybean oil remains the dominant feedstock for biodiesel production, and the soybean checkoff has funded a large portion of the research and promotion of biodiesel through the National Biodiesel Board (NBB). USB Domestic Marketing Chair Lewis Bainbridge says this study proves the value of those efforts.

"We commissioned this study because we wanted to find out how much soybean farmers were benefiting from the checkoff's investment in biodiesel," said Bainbridge, who grows soybeans in Ethan, S.D. "And the results of the study exceeded our expectations. This is a significant return on investment for soybean farmers."

Centrec Consulting Group, LLC, conducted the study with funding from USB's Domestic Marketing program.

Besides looking at the biodiesel industry's past effects on the soybean industry, the study also aimed to predict this relationship going forward. Because the price of petroleum diesel has such a large influence on the price of biodiesel and soybean oil, the study asserts that the biodiesel industry has essentially created a new floor for soybean oil prices.

The Food and Agricultural Policy Research Institute at the University of Missouri says soybean oil will be used as the feedstock for approximately 54 percent of the biodiesel produced in marketing years 2009-2013. But, regardless of how much soybean oil is used for biodiesel production, a healthy biodiesel industry will, in turn, add value to soybean oil.

Additionally, the study found that higher demand for soybean oil led to an increased supply of soybean meal, resulting in meal prices dropping by \$19 to \$45 per ton.

"Any lowering of the price of inputs for the animal agriculture industry is a

plus," Bainbridge said. "The swine and dairy industries have had a tough time lately. This is a benefit for them. Every little bit helps in the poultry and livestock industries as far as decreasing their costs. And this demonstrates how biodiesel demand can have a positive impact on this important aspect of our food supply."

The study also accounted for the possibility that biodiesel demand for soybean oil will decrease due to a proposed regulation by the Environmental Protection Agency that limits the use of vegetable oils for meeting the draft federal Renewable Fuel Standard. Use of soybean oil in biodiesel manufacturing could fall by approximately 1.5 billion pounds by 2013 if this regulation is not revised. Soybean farmers could see net returns decrease by about \$2 billion from projections over that time period.

Two summaries of the checkoff-funded study, "Soybeans & Biodiesel: Key Price Relationships," and "Economic Impacts of Biodiesel Production on the Soybean Sector," can be viewed on the soybean checkoff website at www.unitedsoybean.org.

2 DAY AUCTION

FRIDAY, SEPTEMBER 18 & SATURDAY, SEPTEMBER 19
Auction will be held in the National Guard Armory in MANKATO, KS

FRIDAY, SEPTEMBER 18 — 10:00 A.M.

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500 plus collection of hats, shoes, purses, dresses from 1950's & 60's majority are new never worn; 1950 & 60's rolls of wall paper; large assortment books; assortment

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Indian head pennies; wheat pennies; US Note bills; two dollars bills; Canadian bills; Banco De Mex series CP 1 Peso American Bank Note Co; large assortment of foreign coins.

SATURDAY, SEPTEMBER 19 — 10:00 A.M.

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cedar chest; Bush & Lane organ; Hoosier helper; gas Servel refrigerator; 1950's Capehart TV; Topsy type 189 wood stove; Ingram Regulator wall clock; Sessions long wall calendar clock; Seth Thomas mantel clock; large collection of pictures; silver plate; Talmo Military Band drum; cast iron yard bench.

GLASS
Murano chandelier; good pressed glass; hand painted bowls; white Fenton epergne; carniva; Hull; Oriental; glass basket; candle sticks; refrigerator dishes; red edge cups; Wild Rose china; set Haviland china; lady figures; figure dresser lamps; creamer & sugars; pink depression glass; Hobnail; figurines; china pitcher & bowl; salt & pepper.

See last week's Grass & Grain for complete listing.

Lunch by Lutheran Ladies.

Note: Check web site for pictures at www.thummelauction.com. This collection has been in storage since the early 60's. This is a very large collection. There are many of everything. Both days will be big. We will sell clothing, books, clothes & records on Friday.

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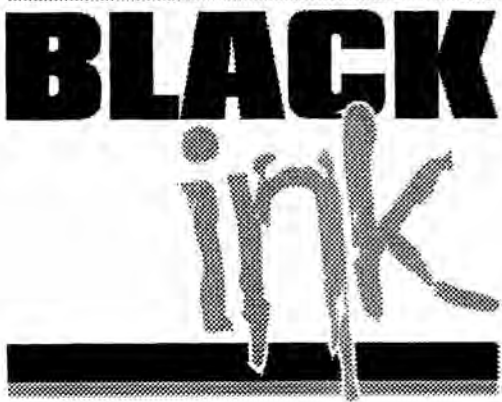
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Give calves a clue

By Miranda Reiman

Imagine you're suddenly snatched up from your daily routine and dropped off on a New York City street. You're alone, with no cell phone, no wallet and no map.

That's not the way you'd like to see the Big Apple and, unless you thrive on spontaneity and challenges, it would make for a lot of stress. Hundreds, if not

thousands of miles away from home with no family contact or money, food and survival would become a real concern.

Calves have to deal with similar concerns at weaning. They lose contact with their mothers and have to quickly adapt to new sources of feed and water while fighting a general confusion about the new world around them.

A little advance planning on your part can go a long way toward the dawn of a weaning day that is less stressful, and thus more successful. The preparation needs to start well ahead of separation day.

It starts by getting calves in shape for the big event — you could say it goes all the way back to before they're born, but let's assume you kept them healthy. Experts agree that you should give at least one round of vaccinations, both for clostridial and respiratory disease, while calves are still on the cow. That mother should be in good condition with adequate nutrition, including vitamins and minerals to strengthen the calf's immune system.

Groundwork isn't limited to the animals. During that same pre-weaning period, think about your facilities and figure out what needs to be done to get them

ready. Could you improve some fences or redesign anything to make it run more smoothly? You should also know who is going to do what at and after weaning.

Sorting calves off, trucking, feeding, maintenance, follow-up vaccinations and record keeping — they all take time and a person dedicated to doing them. If you're a one-man show, that issue is pretty much settled, but you're still probably going to need some extra hands at one or two points in the process. The sooner you schedule that the better. If you wait too long, any capable hands will be booked, and rookies increase the odds for errors.

Just like a NYC-bound traveler would be well advised to bring a wallet and directions, calves appreciate knowing what's next. A few weeks before weaning, you might introduce them to

some dry feed and watering systems they'll be using shortly. Exposure to people and trucks isn't a bad idea, either. The more stressors they encounter while they're still in the pasture, within earshot of mama, the better.

Then, after all this work, da-dadda-da: Weaning day arrives! All systems, setups, herds and geographic locations are different; there are thousands and thousands of "ideal" scenarios. The key is to keep the calves as calm as possible and get them eating and gaining right away. Your feed source will depend on local resources, but be sure to monitor intakes so you will know when something goes awry.

It's also important to keep cattle on a steady or increasing plane of nutrition after they're weaned. That helps keep them healthy. Plus, you don't want them to go backwards or the next

person down the line isn't going to be happy with their results. They want cattle that know how to eat and have been taken care of between weaning and marketing. Don't compromise their ultimate beef quality by kicking them out on sub-par pastures or otherwise trying to starve a profit out of them.

If you're selling shortly after weaning, it still makes good sense to get the most gain and most pounds to sell.

At the end of the season, your main goal is healthy, profitable critters. Some extra work on both sides of weaning should help you meet that goal.

Next time in Black Ink, Steve Suther will look at keepers and cullers. Meanwhile, if you have questions for us, call toll-free at 877-241-0717 or e-mail mrei man@certifiedangusbeef.com.



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10:00 am - Exhibitions Barrels
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Pee Wee and Youth Barrels will follow
2:00 pm - Open Target Barrel Race #2
Barrel Races Awards • 4:00 - Exhibition Poles
Pee Wee 3D Poles, Youth 3D Poles, Open 3D Poles will follow
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First-ever Pan-American Hereford evaluation released

The first Hereford genetic evaluation that includes cattle from more than one continent has been released. To increase overseas marketing opportunities for Hereford breeders and strengthen the genetic evaluation, the American Hereford Association (AHA) worked closely with Hereford organizations in Uruguay, Canada and Argentina and created the Pan-American Cattle Evaluation (PACE). "The intent of this evaluation is to broaden the horizons for Hereford breeders between continents," says Jack Ward, AHA chief operating officer and director of breed improvement. "This will link the countries and expand marketing opportunities and, thus, allow for more linkage as common genetics will be used

throughout North and South America. U.S. breeders could market semen to large South American herds and get bulls proven in large contemporary groups."

Jerry Huth, AHA Board member and chairman of the breed improvement committee, explains, "PACE demonstrates the aggressiveness of the Hereford breed in recognizing the benefits of identifying genetic potential of Hereford cattle throughout the entire Pan-American area."

The PACE project has been in development since 2004. AHA staff and Board members are excited about this new bi-continental evaluation because it will allow breeders to compare their cattle to a wider population.

Craig Huffhines, AHA

chief executive officer, says, "PACE poses an immediate advantage for North American Hereford genetics in export marketing opportunities." This is because Uruguay's cow herd of about 3 million cows is 80% Hereford. Also, Huffhines explains, Uruguay has a strong, active and progressive Hereford association. Furthermore, Argentina's resources, including cow numbers of nearly 50 million of predominantly British breed cows, along with global export beef opportunities could generate tremendous trade potential, provided its government policies become less protectionist.

U.S. Hereford breeder Jack Holden, Valier, Mont., visited both Uruguay and Argentina during the devel-

opment process of PACE. He has sold semen to Uruguay and is excited about even more opportunities to market Herefords overseas because of PACE. He says, "Now our customers can feel even better about comparing data between countries, and with the combined evaluation, a bull's offspring from all four countries will be included in the evaluation, adding even more strength to the data." All these benefits come with little to no change in U.S. breeders' numbers, says Stacy Sanders, AHA director of records. "The correlations are pretty high across the board, or we wouldn't have gone ahead with the combined evaluation. There's no real change in any parameters, like heritabilities or adjustment factors. The only

real change that we're implementing is the addition of data from Uruguay and Argentina."

Huth summarizes, "There are two main benefits of PACE: 1) allows breeders to identify animals that can complement their operation and create genetic diversity within the Hereford breed; and 2) allows breeders to showcase their genetics to a larger audience."

PACE is also one step closer to a global Hereford

genetic evaluation, which is something that has been discussed at length at World Hereford Council meetings, and feasibility studies have been commissioned. "This is a stepping stone to creating a global genetic evaluation where traits of all Hereford cattle can be compared in some standard format," Huth says. And thanks to PACE, Holden says, "The whole business is turning into more and more of a global marketplace."

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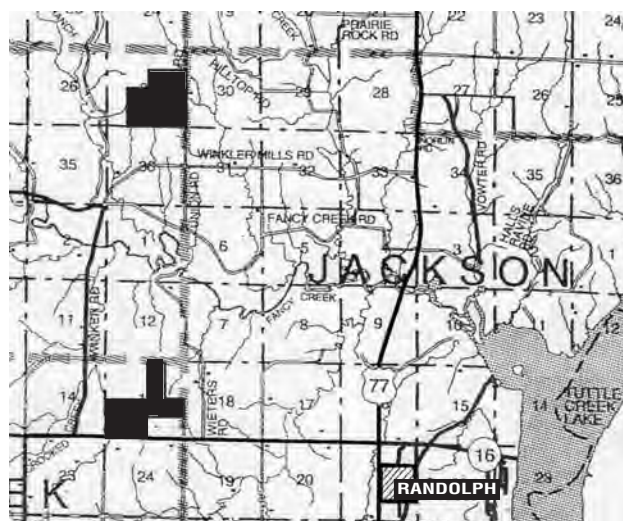


LAND AUCTION

640 ACRES RILEY COUNTY LAND IN 4 TRACTS

SATURDAY, OCTOBER 10 — 10:00 AM

At the Senior Citizen Center, RANDOLPH, KS



TRACT 1: The S $\frac{1}{2}$ NE $\frac{1}{4}$, the SE $\frac{1}{4}$, & the E $\frac{1}{2}$ SW $\frac{1}{4}$ 25-6-5, 320 acres, more or less, Center Township, Riley County, Kansas. This farm is well located about 2 $\frac{1}{2}$ miles south of the Peach Grove School on the west side of Peach Creek Road. The farm is all grassland, with about 90 percent native grass and 10 percent brome. There are several ponds and a well, pump and tank. Much of the native grass is very good. The pasture has been very lightly grazed. There are timbered draws in the southwest part of the place which offer excellent wildlife habitat. The estimated taxes are \$552.84. The estimated FSA bases and yields (because the land now in brome was formerly cropland) are 19.1 acres wheat, 29 bushels; and 6.4 acres soybeans, 26 bushels.

TRACT 2: This is a 20 acre tract in the southwest corner of the SW $\frac{1}{4}$ 13-7-5, consisting of a very good 1,300 sq. ft. ranch style home, good outbuildings, mature trees, and good creek bottom land. The street address is 12260 Green-Randolph Road, located 2 $\frac{1}{4}$ miles west of Randolph. The main floor has 3 bedrooms, a bathroom, a large eat-in kitchen, a large utility room, and a nice living room. The main floor has new laminate flooring and new carpet. The full basement is unfinished and is very good. There is an attached garage. The home has steel siding, central air conditioning, and electric heat. The good outbuildings include a 20x24 garage, a 28x48 shop, and 42x80 and 24x60 barns. There are wells at the house and near the west barn. The estimated taxes are \$1,227.00. The 10.4 acre bottom field west of the creek was in wheat this year and will be open for spring crops. To see the house, please come to the Open Houses, either on Saturday evening, September 26th, from 5:00 to 6:30, or on Sunday afternoon, October 4th, from 1:00 to 2:30, or call 785-325-2734 for an appointment.

TRACT 3: The SW $\frac{1}{4}$ 17-3-5 except the 20 acres in the southwest corner, 140 acres, more or less, Fancy Creek Township, Riley County, Kansas.

There are about 65 acres gently sloping, terraced cropland located on the west side of the farm, with the rest of the farm being good native grass and waterways. The native grass is presently hay meadow. The native grass has several timbered areas and ponds. There is a good 20x80 open front building and two upright silos near the south road. The estimated taxes are \$507.00. The estimated FSA bases and yields are 15 acres wheat, 29 bushels; 1 acre corn, 69 bushels; 25 acres milo, 57 bushels; and 24 acres soybeans, 26 bushels. All the cropland is in soybeans this year and will be open for spring crops.

TRACT 4: The W $\frac{1}{2}$ NE $\frac{1}{4}$ & the N $\frac{1}{2}$ SE $\frac{1}{4}$ 13-7-5, 160 acres, more or less, Fancy Creek Township, Riley County, Kansas. Access to this tract is at the southeast corner of this farm; $\frac{1}{4}$ mile north of the intersection of Green-Randolph Road and Union Road, which is located 2 $\frac{1}{2}$ miles west of Randolph. This farm is on the east side of Tract 3. This farm consists of approximately 83 acres gently sloping terraced cropland, with the rest being native grass pasture, hay meadow, and wildlife habitat. The 13 acres of hay meadow is clean and has been hayed regularly. The pasture is located on the north end, and is heavily overgrown with cedar trees and brush. There are also areas of timber and wildlife habitat around the old farmstead and in the southwest part of the north 80. There is a well at the old farmstead. The estimated taxes are \$469.00. The estimated FSA bases and yields are 19 acres wheat, 29 bushels; 2 acres corn, 69 bushels; 32 acres milo, 57 bushels; and 30 acres soybeans, 26 bushels. This year there are 38 acres soybeans and 45 acres wheat. 45 acres will be planted to wheat this fall.

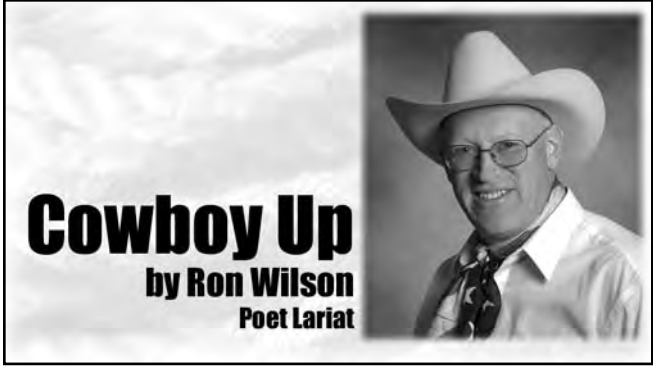
TERMS: Ten (10) percent down, the balance due in 30 days. Possession on the land planted to wheat this fall will be after the 2010 harvest, with the Buyer paying the landlord's (2/5) share of the crop expenses and receiving the landlord's (2/5) share of the crop. Possession on the rest of the land, including the house and improvements, will be at closing, in 30 days.

Please check our website and contact us for more information. Announcements the day of the auction take precedence over printed advertising.

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Back to School

“Back to school.” Those same three little words can strike fear into the heart of a ten-year-old yet bring joy to frazzled parents. For the kids, it marks the end of freedom, ball games, crazy schedules, and uncommitted time. For the parents, it means that those kids are out of the house and into a place of structured learning.

At our ranch, we have four kids to get ready for the new school year. It’s a major process of shifting gears, from the long hours of summer to the demands of a regimented schedule.

The schools in our area often begin the new school year with a “kindergarten roundup” to bring in the

youngest kids and families. It brings to my mind an image of the school principal on horseback, riding through the countryside in search of stray kids.

A while back, I was invited to a school roundup in Arkansas City. It was actually a welcome back program for the school, put on by the chamber of commerce. With a western theme, they celebrated the beginning of a new school year and got all the information out to the parents in a fun way.

The emotions relating to the new school year are probably more complicated than the stereotypes which I referenced at the beginning of this column. For exam-

ple, the kids say they dread the end of summer vacation, but there is a lot of excitement surrounding the new school year. They get to see their friends again and do many group activities again. They’re excited and a little nervous about new teachers and new classmates. On the flip side, some parents see the return of kids to school as a relief, yet there is a bittersweet feeling as we see our kids grow and advance.

Then there are the feelings of the teachers themselves. For a first year teacher, the time before school starts must be like entering your first rodeo. The cycle of the school year must be a big factor for teachers. I recall an old agriculture education professor of mine telling us this joke:

What are the three best reasons to be a teacher? June, July, and August.

**by Ron Wilson,
Poet Lariat**

I was invited to a roundup down south central Kansas way, But it’s not the type of roundup that the cowboys do for pay. This was different from the roundups that I go to, as a rule, Because this type of roundup was a program for the school. The school roundup is a way to start the year, Welcoming parents and making the school rules all clear. I kinda got to thinkin’ that school roundup is a good name, ’Cause in some ways what we cowboys do is really just the same. Those teachers gather kids, and send ’em down school halls. It’s just like how us cowboys gather calves up in the fall. It comes that time of year when we get the new ones in.

Nowadays the schools publish a laundry list of supplies that the kids are to bring to school. In my day, the beginning of school meant a new pencil and a red Big Chief tablet. It also

Herd at School

We count ’em and we mark ’em, and get each on in a pen. There were more similarities, the longer that I thought. For example, every single calf just has to have his shots. Some take a little longer to get in through the gate, Just like down at the school, where some kids are always late. And on the first day, there’s the part that makes you wince. Sometimes Mama’s bawlin’ on the outside of the fence. Each day there’s times you feed ’em, and times you turn ’em loose, And you see ’em havin’ fun with the new friends that they choose. Of course, I’ll admit that lots of things just aren’t the same. Those teachers measure learning, while we measure pounds of gain. We’ll winter all those calves, and tend to everything.

meant new jeans – not the infamous FDO (first day outfit) which I hear my wife discussing with my daughter at length. I was lucky if I got a pair of jeans without

holes in them. As the youngest of three boys, I always got the hand-me-downs. Thank goodness I didn’t have sisters! Have a great school year.



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TWO DAY AUCTION

FRIDAY, SEPTEMBER 18 — 4:00 P.M.
SATURDAY, SEPTEMBER 19 — 9:30 A.M.

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Note: Jim had a keen eye for quality and the unusual item. Preview 10 a.m. Friday. This is a large auction!

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LAND AUCTION

THURSDAY, OCTOBER 15 — 6:45 PM

426 ACRES SEDGWICK CO., KS
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Tract 1: S/2 NE/4 23-26S-2W 77 acres cultivation. **Tract 2:** W/2 SE/4 south of Hwy 96 32-32S-2W 58 acres cultivation. **Tracts 1 & 2 will be sold individually.** **Tract 3:** Farmstead & 5 acres, 2 story frame home built in 1939. 1823 sq. ft 4 bedroom, 1 bath home. Large wood barn, metal equipment shed, several sheds, 5 grain bins. Part SW/4 29-26S-1W. **Open House: Sept 27, 2-4 pm.** **Tract 4:** Part SW/4 29-26S-9W, 20 acres cultivation. **Tract 5:** Part SW/4 29-26S-9W, 20 acres cultivation. **Tract 6:** Part SW/4 29-26S-9W, 30 acres cultivation. **Tract 7:** Part of the W/2 SE/4 29-26S-2W, 29 acres cultivation. **Tract 8:** Part of the W/2 SE/4 29-26S-2W, 29 acres cultivation. **Tract 9:** N/2 SW/4 29-26S-2W, 80 acres cultivation. **Tract 10:** S/2 NW/4 29-26S-2W. **Tracts 3-10 will be offered individually and then offered in any combination.**

This is a multi parcel auction. All announcements made at the auction take precedence over all advertisements. Terms: 10% earnest money day of auction balance upon closing no later than Nov. 15, 2009.

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AUCTION

FRIDAY, SEPTEMBER 18 — 5:00 PM
1087 18th Ave., McPHERSON, KS.

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ANTIQUES & MISC.

Lots of metal toy tractors still in boxes; Banquet wood cook

stove with warming oven; 6 kerosene lamps; 6 key wind clocks; Wagnerware/Griswold pans and muffin tins; Bavarian plates; old organ; old pianos; organ stools; **antique cap and ball musket; eared double barrel shotgun;** Waterfall bedroom suite; lots of glassware: Carnival, Hobnail, glass baskets, crock bowls, churn; old buttons, jewelry; old dressers; wall telephone; oak ripple front dresser with wishbone mirror; lawyers stacking bookcase; round dining table; 6 leg dining table; toy steam shovel; old school desks; Peavy and Fender amplifiers and speakers; microphones and stands; many cast iron pieces; old paper, fabric, linens; lamps; old plates, Flow Blue, Blue Willow; complete sets of beautiful china from England and France; old trunks; quilts; bell collection; old banks; mini glass shoes; some Fenton; cherry pitters, apple corers; **partial list of large auction.**

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Projects offer inspiration, take-home ideas from the fair

A colorful stadium quilt, garden planter fashioned as a mini-tractor pulling a wagon, faux turquoise necklace made from everyday corn kernels, and bargain-priced prom dress drawing a creative "a-ha" reflect the variety of 4-H projects on display at the Kansas State Fair, Sept. 11-20, 2009, in Hutchinson, Kan.

To be eligible to exhibit at the state fair, each of the 4-H projects had to first earn a top award in its category at a county fair, said Justin Wiebers, Kansas State University Research and Extension 4-H youth development specialist, and building coordinator for 4-H Centennial Hall at the Kansas State Fair.

"4-H exhibits are up nearly 10 percent this year, and fair visitors need not have any prior experience with 4-H to benefit from seeing the project exhibits," Wiebers said.

"With more than 30 different 4-H projects available, 4-H members can choose to develop a personal interest, but also ex-

plore new ones," he said. "4-H projects typically offer opportunities for self-expression within a project area, and, after seeing the projects, visitors can take home ideas or the inspiration they need to complete a project or take on a new one."

The stadium quilt is, for example, the work of Walker Clawson, a member of the Town and Country 4-H Club in Meade County, Kan.

Clawson's grandmother and sister quilt, and, after watching his older sister learn how to use machine embroidery to embellish tote bags for friends, decided that he would like to learn, too.

Combining denim from jeans with embroidered squares featuring the school mascot — the Meade Buffalo — and adding a purple fleece backing seemed a practical choice for fall football games, he said.

While Clawson enjoys using the sewing machine, he also is enrolled in 4-H electric, woodworking and

welding projects. He is a fourth grader and third-year 4-H member.

Samantha Dold, from Rice County, fashioned a farm-theme garden planter as part of her 4-H woodworking project.

Dold, who is a freshman in high school and five-year 4-H member, had previously worked with her father, who enjoys woodworking, to make shelves for her room and small gifts.

She said that she chose the planter project because it "looked the coolest" (among the choices) and more challenging than previous projects.

Dold chose treated landscape timber for the project, which she finished with a waterproof base.

The planter-project took about 20 hours to complete, said Dold, who added that she enjoys being creative and making something that is both fun — and useful.

Dold, who is a member of the Sterling Meadowlarks 4-H Club in Rice County, also is enrolled in 4-H

foods, photography and meat goat projects.

A faux turquoise necklace earned the top award in the Visual Arts & Crafts project at the Ford County Fair this year and will be on display in 4-H Centennial Hall.

The necklace is the work of Dakota Derstein, an eighth grader and member of the Lucky Clovers 4-H Club.

Derstein, who credited her mother with first seeing the idea at a craft show, said that she hand painted year-old dried corn kernels with a turquoise-color with a metallic glaze. She then sprayed each kernel with an acrylic sealant and drilled holes before stringing the bead-like kernels.

The necklace is lightweight, and so realistic that many have doubted that it truly isn't the real thing, she said.

The project took about nine hours to complete, said Derstein, who also is enrolled in 4-H clothing, shooting sports, home en-

vironment, foods and nutrition and leadership projects.

A prom dress might also seem an unlikely candidate for a 4-H project, yet the bargain-priced effort earned Katrina Curry, a senior in high school, the top award in Girls' Buymanship (Clothing Project) at the Cherokee County Fair.

Curry's basic black dress was purchased at a discount clearance for \$10, and then embellished with beads, fringe, and a leopard-fabric flower to tie in to a jungle theme chosen for the prom.

The cost to create the one-of-its-kind dress was \$57, said Curry, who said she'd earned a lot of compliments on her handiwork.

"The most expensive dress isn't necessarily the best," said Curry, who credited the 4-H Clothing Buy-

manship Project with helping her learn to make good decisions when choosing clothes and building a wardrobe.

Curry, an independent 4-H member, has been enrolled in numerous 4-H projects, including foods and nutrition, horse, beef in addition to the clothing project.

A wide variety of 4-H projects will be on display in 4-H Centennial Hall during the Kansas State Fair, which runs through Sept. 20. The building will be open from 9 a.m. to 9 p.m.

Project displays were judged on Sept. 11 and displayed after the judging is complete.

More information is available on the Kansas State Fair website: www.kansasstatefair.com; on the Kansas 4-H website: www.Kansas4-H.org and in 4-H Centennial Hall.



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Track Stereo Console w/ BSR Turntable, Samsung Compact Microwave, Wards 1.5 Cu Ft Microwave, Frigidaire Washer & Dryer.


GLASSWARE & COLLECTIBLES: "Forget Me Not" Japanese China Set, Pyrex Refrigerator Bowls, Fire King Bowls, Crackle Glass Vase, Stemware & Beverage Glasses, MIDO Crystal Serving Set, Mugs & Steins, Musical Miniature Rocking Horse, Rocking Horse Figurines, Many Many Figurines, Camel Saddle, Grandfather Clock, Kienzle Mantle Clock, Wall Clocks, Costume & Fine Jewelry, Ladies Wrist Watches, Mother of Pearl Jewelry Boxes, Beaded Purse, Purses, Hats, Caps, Military M7/M9 Shoulder Holster, Eagle Holster, Military Compass, Custom Pool Cues, **Commercial Juke Box**, Honer Double Harmonica, Large Carved Wooden Eagle, Pictures (Many Oriental), **Capt Fantasy Pin Ball Machine**, Kerosene Lamp, Lots of Dolls (Many Oriental), Schlitz Malt Liquor Lighted Sign, Coors Sign, Coors Lite Beer Wolf Sign, Large Coors Lite OASIS Sign, Bud Lite

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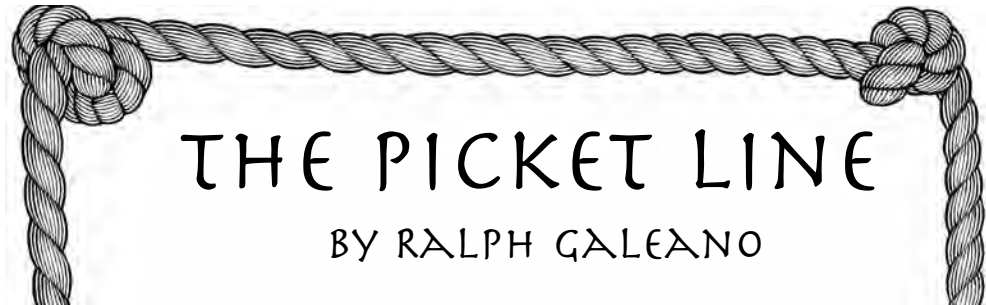
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Horse's Business

They know what they're doin' but most of the time we confuse them by giving orders when we could save ourselves the trouble and let them pick and choose their own way without us interfering.

Watch those cutting horses sometime. The rider picks the cow to cut and then drops the reins and holds on. The horse does the rest without any outside help from the person on his back. He knows what to do and goes to work.

I never worried whether my horse was in the right lead or not when we were chasing cows. I figured it was his job to know what legs to use first when he was running or loping. We always got there okay so he must have made his legs go where they were supposed to at the right time. My horse never has trouble getting in the right lead when

he's running in the pasture. In fact, he was always in the correct lead until I went to a clinic and learned a little about lead changes. I began cueing him with leg and rein pressure to force him into the right lead. With my new knowledge and expert guidance, he most always took off on the wrong lead. I went to another clinic and suffered humiliation and abuse when the instructor yelled, "What are you doing?" He started slapping his hand on top of his hat like he couldn't believe what he was seeing when he watched me try to teach my horse how to make flying lead changes. Mortified by his affront to my horsemanship, I pulled my mount into a hard stop and glared at him.

Jack, the instructor, shook his head and yelled, "Keep riding, lope that horse in circles until I tell

you to turn the other way and don't do anything but rein him the opposite direction." Jack just didn't understand that you need to be moving the horse one way with your legs and the other way with your reins all the while looking the opposite direction so the horse could read your mind. Doubtful, I loped around the arena and waited for Jack to tell me when to change direction. I came through the center of the arena and he yelled, "Turn!" I moved the reins the opposite direction and Bingo! The horse made a smooth lead change without me making him do any body contortions or head twisting. He did it on his own without my help. Jack was right! I decided right then and there that from now on it was the horse's business what legs he was going to use first.

Ride through heavy

woods or brush on the only trail wide enough for a horse to pass and then try to find it again on your way back later in the day. Bushes and trees all seem to look alike when you return. Missing the trail can mean tough going trying to break through the brush to get back in open country.

I found out it's a lot easier to let my horse show me the trail back and save myself the trouble of searching. The horse will tell you when you get there. All you have to do is trust him.

Horses aren't the only critters that are stubborn and hard-headed. I rode back and forth along heavy willows trying to find the trail I used earlier in the day that led around a high mountain swamp. My horse kept stopping and balking at

a certain spot. With sawdust for brains, it didn't dawn on me that he was trying to tell me something.

I kept hunting. Everything looked alike and I couldn't find that trail. Sonny stopped in the same spot again and nickered. It was a funny nicker and I wondered what that meant in horse talk. While I was wondering he stepped through the willows and, lo and behold, we were on the trail home. I still wonder about that nicker. It sounded insulting.

Give em' some credit and stay out of their way. Slack the reins and let them pick their own way across those bad spots. They know the best way to work all four legs at the same time. Maybe with four legs it might be easier to cross a bog a different way than a

two-legged critter would choose.

I would guess that horses know a lot more about horses than humans do. Have you ever noticed how a horse can find the only hole in a fence to escape through, or stand and nuzzle a gate latch until he finally gets it open? They know exactly what they're doing, but when we open that same gate and want them to move through it, one or more of those expert gate pickers will always hang up between the open gate and the fence and act bewildered and in mortal danger. As soon as you turn your back and walk away acting like you don't care if he's trapped or not, he'll back out and come flying around the gate in the correct lead with no help or outside interference.

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AUCTION

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Auction will be held at the farm located 2 miles East of
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LEGAL DESCRIPTION: W 1/4 SE 1/4 4-5-6 Jewell Co. Kansas.

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TERMS: 10% of purchase price as down payment day of auction. The balance will be due upon closing on or before October 30, 2009. The seller will retain the 2009 cash rent and will pay 2009 taxes. Purchaser will receive the 2010 cash rent of \$40.00 per acre. Possession of the farm ground will be after 2010 wheat harvest. Possession of the house and buildings will be upon closing. Title insurance will be used, the cost will be split 50/50 between seller & purchaser. All statements made day of auction take precedence over printed material. Thummel Real Estate & Auction LLC is acting as Seller agent.

CAR, SUBURBAN, CAMPER
1994 Chev Suburban Silverado, all electric, very good, 164,000 miles; 1999 Buick Century 4 door car gray color; 1999 Jayco Eagle 27' 5th wheel camper 1 slide out.

HOUSEHOLD & COLLECTIBLES
La-Z-Boy blue recliner; 2 recliners; 2 curio cabinets; floral divan; RCA tru flat TV; Citation upright 13 cu freezer; oak fern pedestal; coffee & end tables; '20s dresser; oak dresser; oak chest; '20s magazine table; blonde single bed; 2 drawer chest; full bed; kitchen table & chairs; painted kitchen cupboard rough; 6' wooden table;

2 wash benches; 2 door pine cupboard; walnut commode rough; ash tray; sewing machine; blonde end tables; quilt; quilt tops; linens; aprons; scarf; head vase; pressed glass pieces; cookie jar; advertising pens; costume jewelry; assortment pictures; child's Emenee guitar; games; color books; toy JD dozer; JD pedal tractor w/shifter; tin telephone; granite pans; Army canteen; cameras; plastic Coca Cola thermometer; windmill wall plaque; wall hangings; medicine bottles; dial wall telephone; 3 new sets Van Guard fire alarm systems; Avon; Tupperware;

kitchen appliances; wagon; ice tongs; drawing knife; screen door; 30 gal cast iron kettle.

TOOLS & OTHER
6' x 3' trailer like new; 1/2 sack cement mixer; Poulan 18P 42" riding mower; Murray 12.5 riding lawn mower; metal wheel barrow; shop vac; aluminum scoop; log chain; bench grinder; portable air compressor; Bulldog welder; assortment hand tools; 1/4" drill press; electric hand tools; 24' extension ladder; 10 T posts; forge; garden cultivator; used lumber; assortment of other items.

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AUCTION



SUNDAY, SEPTEMBER 20 — 12:30 PM
MORRIS COUNTY 4-H BUILDING, 612 US HWY 56
COUNCIL GROVE, KANSAS
DIRECTIONS: 1 mile East of Council Grove on US Hwy. 56. WATCH FOR SIGNS.

COWBOY & INDIAN ITEMS & COLLECTIBLES
Leather cuffs; approx. 30 pair of spurs incl.: Crockett, Kelly and Cavalry, men's, ladies and childrens; approx. 25 jingle spurs; jingle bobs; rowels; several sets of steer horns; Mexican sombrero; several pair chaps, batwing, chinks, etc.; beer barrel lamps; SW jewelry including rings, bracelets, etc.; 2 class rings; 10kt class ring; Elgin picket watch; black powder horns; handcuffs; badges; small wood shelf; chalkware; belt buckles; small bronze Cowboys and Indians; dream catchers; various rocks; wagon wheel hubs; CI whip holders; Indian pottery; numerous Indian prints; Indian figurines; large selection of tanned hides elk, deer, coyote, fox, beaver, etc.; Occupied Japan pcs.; rifle scabbards; bridles; fly net; stirrups; branding irons; nail kegs; cowboy boots; skulls; scale; John Wayne bronze picture; Indian walking sticks; reins; whips; lots of sheep and cow bells; Ox bells; riata; Gillby wine crock; spittoon; lots of Mexican pottery; bridle sets; grapple hooks; brass flask; snake skins; rattlesnakes in a jar; buffalo hide scale; turkey feathers; saddle bags; pike and bass mounts; Water Buffalo horns; large selection of canes; bareback riggin; bull rope; pants and moccasins from Iron Eyes Cody Estate; marbles; Indian head carving; broad axe; Jacobs sheep skull; horn mugs; Fallow deer antler lamp; Indian talking sticks; large selection of knives; Cowboy and Western magazines; knife books; old books; Meerscham pipes; horsehair or buffalo robe; Legion ceremony rifles; sports cards; collection of German beer mugs, steins and glasses; various primitive tools.

FURNITURE, TOOLS & MISC.
Electric drills, saws, sanders, etc.; paint pots; 2 gallon paint pot; pneumatic tool set; new set open end wrenches; bar; electric band planer; levels and T square; hammers of all kinds; saddle rack; lots of paint supplies; dry wall equipment; welding leathers; sand blaster; cords; masonry tools; 4 1/2 inch diamond blades; pneumatic items; Chicago spray kit; approx. 125 DVD's; speaker; Lane end tables; moving blankets; lighters; large Gott water jug; guitar; powerhouse weight machine; electric fireplace; king size bed and bedding; night stands; queen size bed; pine plank sofa and 2 chairs; Cyrus slab table; Marantz stereo; lamps; butlers; many more tools not listed.

AUCTIONEER'S NOTE: Wayne has collected cowboy and Indian memorabilia for many years, but needs to downsize. This will be an unusual auction, with items we don't often have the chance to sell. There are lots of items not listed, so come and spend the afternoon with us.

WAYNE MYERS

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Terms: Cash or Good Check. Not Responsible for Accidents. Statements made day of auction take precedence over written materials. Lunch available.

2009 Kansas wheat crop yields important quality traits

The 2009 Kansas Hard Red Winter wheat crop exceeded quality expectations, a credit to improved wheat varieties and farmer production practices, according to Justin Gilpin, chief executive officer of Kansas Wheat. Gilpin cites the annual Wheat Quality Report, which gives domestic and foreign buyers a snapshot of the quality of the Kansas wheat crop. Released by Kansas Agriculture Statistics on Sept. 8, the report (online at <http://www.ksda.gov/statistics/>) summarizes data from more than 11,500 samples of Hard Red Winter wheat from 49 counties. The samples represent wheat moving by rail in Kansas. Among the findings: average test weight was 61 pounds per bushel, up from 60.4 pounds per bushel last year and the 10-year average of 60.3 pounds. Ninety percent of the wheat samples graded No. 1; up from just 71% last year. Wheat grading No. 2 averaged 9%, compared to 26% in 2008. Crop quality in 2008 was adversely affected by cases of fusarium head blight in portions of central and eastern Kansas. In 2009, quality con-

cerns are less severe, thanks in large part to mostly good growing and harvest conditions throughout the state.

Additional findings from the 2009 Wheat Quality Report include a decrease in protein average, to 11.6% from 12.4% in 2008 and the 10-year average of 12.2%. Moisture content averaged 11.2%, down from 11.3% in 2008 and 11.5% from 1998-2007. Protein is one of the quality benchmarks to which domestic and foreign millers pay close attention. With this year being a lower protein crop, it is important for producers to know the quality of wheat they harvested, because of premiums emerging in the marketplace. Even with the lower protein, the end-use performance of the 2009 Kansas wheat crop is very good.

"Domestic millers are pleased with the high test weight, which means greater flour yield per bushel," Gilpin explains. "Thus far, flour millers report that the functionality of the 2009 crop is very good. This is a result of good producer management practices and improved

quality characteristics of the wheat varieties grown throughout Kansas."

Meanwhile, U.S. wheat producers must compete with farmers around the world who, responding to record high wheat prices in 2008, grew a record world wheat crop of 682 million metric tons. The U.S. typi-

cally exports about half its total wheat production, but with such a large crop, the competition is fierce. However, much of the world supply of wheat is low-quality, signaling opportunity for U.S. wheat exports, Gilpin says.

"There is a surplus of wheat worldwide, which is a

stark contrast to the historically low supply the world experienced in 2009. However, the U.S. is still the premier supplier of consistent, high-quality wheat to the rest of the world," he ex-

plains. "Because of this recent market overcorrection, there is an opportunity for our export customers to buy very high-quality wheat at prices they haven't seen in several years."



Ryan Klamm led out the reserve grand champion market lamb at the Reno County Fair. Also pictured is judge Brian Faris.

FARM AUCTION

SATURDAY, SEPTEMBER 26 — 10:00 AM
KINCAID, KS

As we have retired from our farming operation the following equipment will be offered at the farm located 1 3/4 mile east of Kincaid, KS on 52 Hwy. to SE Wabunsee Rd., then 4 miles north to 800 Rd. then 1 3/4 mile east, Kincaid, KS is SE of Garnett, KS 17 miles.



5 spd., 16 ft. bed and hoist with 50" sides.



ROTARY MOWERS: Rhino FHD 20, 20' folding; 7' Bush Hog 307 pull type.



POST HOLE DIGGERS: Bel Tec rock digger; 3 pt. Bush Hog.



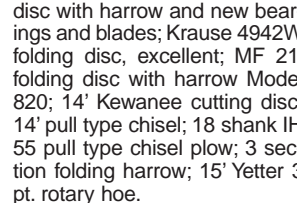
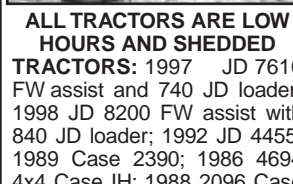
TRAILERS: 20' dovetail flat-bed gooseneck tandem axle, 7,000 lb.; Titan 1998, 20x7 tandem gooseneck stock trailer, 7,000 lb. axles, rubber floor, excellent paint; 6 bale big bale wagon.



HAY EQUIPMENT: 2003 Case IH DCX 131 disc mower conditioner; 1997 JD 535 big round baler; Allen 852 and 851 twin rakes.



TILLAGE EQUIPMENT: Plows; Krause 4126 27 1/2 ft. field cultivator; Krause 4906, 24' folding disc with harrow and new bearings and blades; Krause 4942W folding disc, excellent; MF 21' folding disc with harrow Model 820; 14' Kewanee cutting disc; 14' pull type chisel; 18 shank IH 55 pull type chisel plow; 3 section folding harrow; 15' Yetter 3 pt. rotary hoe.



ALL TRACTORS ARE LOW HOURS AND SHEDDED
TRACTORS: 1997 JD 7610 FW assist and 740 JD loader; 1998 JD 8200 FW assist with 840 JD loader; 1992 JD 4455; 1989 Case 2390; 1986 4694 4x4 Case IH; 1988 2096 Case IH; 1980 2290 Case; 1980 MF 205-4 with MF 216 loader and BMC LD6 backhoe attachment; 1979 White Field Boss 270; 1980 MF 2705; 460 IH.



CATTLE EQUIPMENT: Linn portable tub, alley and squeeze chute, folds and tows with hydraulic lift; Preifert portable squeeze chute.



COMBINES: 1999 JD 9610 Maximizer 4x4 Green Star with 30' 930 flex head and Killbros 30' header trailer, to be sold as one lot; JD 1988 Titan II 7720 rear wheel assist; 920 JD 20' flex head, combines are low hours and shedded; 653 JD 6 row corn head.

MINIMUM TILL DRILLS: Great Plains solid stand 3000-3S drill and Great Plains solid stand 30 with all new bearing; folding grain drills.

DOZER: D3 Cat dozer.
PICKUP: 1999 GMC extended cab Sonoma auto pickup.
4 WHEELER: 2005 Polaris 330 Magnum Anniversary 4x4, like new with very low mileage; ATV sprayer WITH booms.

AUCTION NOTE: All equipment in "excellent" condition, regularly maintained and serviced. Combines and tractors have been shedded, low hours on tractors and combines. Absolutely no miscellaneous, be on time. Letter of credit necessary for buyers of large amounts not familiar to auction company.

See Grass & Grain September 22 for complete listing.

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- Hull - 10 x 99", bolt-on, 304 stainless steel

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BAXTER BLACK

ON THE EDGE OF COMMON SENSE

Bronc Years

Calf ropers are a peculiar group of talented cowboys. I would characterize them as more serious about their work than most. They have hobbies like small appliance repair and breeding orchids. Their calling seems to draw more of the accountant/engineering sort of mentality. Dean Oliver, Tom Ferguson, Dee Pickett, Mike Johnson and Cody Ohl are representative. They are modest, focused, hard working and responsible.

Of course, every now and then there's a Roy Cooper or Joe Beaver that crashes the party, but in every bunch of good hardworking border collies, there's always a couple that chase cars!

Calf ropers have a pretty good career longevity compared to say ... bull doggers and bareback men.

Chad told me of his conversation with one of our old timer rodeo friends. Chad noted the old timer's son was entering the Pendleton Rodeo this year in the calf roping. The dad kinda snorted and said, "He's pressin' his luck, he's nearly 50 years old!"

"Wait a minute," said Chad, "You were fifty-six the last time you entered the saddle bronc and that was in bronc years!"

Bronc years is a measure of time like 'dog years'. A dog year is equivalent to seven human years. A bronc year is equivalent to two roper years. In other words, a roper of any kind should be able to compete in rodeo twice as long as a rough stock rider.

This is demonstrated when you look at the last fifty years of the top rodeo cowboy career earnings. For every one rough stock rider there are two ropers. The first steer wrestler doesn't show up till #24.

As expected, ropers think that's only fair. When they show up to play they're pulling their three horse slant with live-in quarters, a groom, monster truck, enough gear to outfit the re-enactment of the Alamo, several hundred feet of rope in 32' pieces, a laptop, a satellite TV, XM radio and a roping dummy. They camp overnight, do their deltoid presses and go to bed in their jammys.

Whereas, their counterparts, the rough stock riders arrive on bronc time, during the Grand Entry, with a riggin' in their war bag along with two miles of bandage tape, an exercise video of Dancing with the Stars, and a dirty shirt.

So, according to bronc time, if our old timer friend rode rough stock when he was fifty-six, his genetically prone son could still be entering Pendleton in 2046! Then he could switch to roping steers or barrel racing and go for another ten. Or retire and become an investor . . . like Chad.

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AUCTION

SATURDAY, OCTOBER 3 — 9:00 AM

4127 NW Topeka Blvd., TOPEKA, KS

Viewing on Sunday, Sept. 27, 2009 from 2-4 PM

3 BR/2BA Ranch home on 9.18— great outbuildings will sell at 12 Noon

2003 Trail-Lite, 21 Ft. Self contained RV-Ford F350 Chassis, 2,600 Actual Miles! Perfect!!; Turfrunner 4500D 51HP Kubota Diesel water cooled-Hydrostatic - 12 Ft. Cut - 6 Ft. and 2- 4 ft. wings-2 ft. overlap on each side-each wing independent. JLG Lift, Model 40F, 4 cyl Wisc motor, newly rebuilt; Ford Model 2120, 4WD, 46 HP diesel Late 1990's, low hours, New Holland 7309 Loader with bucket & forks. Several Size Trailers will sell; Several floor carts/lifts; Racks for pipe, steel or lumber; Rhino FM100 finishing mower; EZ-GO Golf Cart; Acetylene Bottles; Many sets of top name sockets, hand tools, tools, saws, drills, parts, filters, belts, hoses, shedded lumber, included 2X 6's, 4X4's, sheet steel, steel plate; several hundred feet of wall shelving, fuel tanks, poly tanks, motor lifts, 3 pt. lift, PTO generators, gas powered and diesel powered generators, rebuilt 2 and 4 cyl motors, motor cleaner

(natural gas powered), army jeep top, camper shells, good selection of utility tires, old hay wagons, hitches, straps, and many more items too numerous to list!!

HOUSEHOLD ITEMS INCLUDE THESE COLLECTIBLES SEEN BELOW

Also furniture, 25 Cu. Ft. Freezer/ice maker, kitchen items, odds and end furniture, and more collectibles will sell! Mickey Mouse Watch; Hull B-5-7.5" & B-13-13"; NAPA Model Trucks; Iron Pot; Crocks; Cherry Blossom Depression— 10 dinner plates, 10 coffee cups & 10 saucers, 2 platters, 1 serving bowl, 1 set of salt & pepper, 12 sauce dishes, 1 candy dish 1 set of cream & sugar/with lids. Also additional pieces of Depression Glass, other pottery and collectibles, including dolls, toys, Doll Highchair; Several pieces of doll furniture and more!!

NOTE: This Equipment has been kept inside when not used!! Concessions available!

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UNRESERVED AUCTION WEDNESDAY, SEPTEMBER 23

First Lot Scheduled to Close at 10:00 AM Central Time
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Behlen Mfg. Co. – Duane – 402-563-7351
Behlen Country Green Economy Horse Bale Feeder
Unused Behlen Country 5' 3 Pt. Rotary Shredder
(10) Galvanized Flat Grain Bin Panels
Behlen Country Dog Kennel
(18) Approx 8" x 32', Approx 570' of Purlins
Behlen Country Calf Hut
Approx 1500' ADP Building Panels
Behlen Country 8' Round Bale Feeder
Magnum Dog Kennel
Green Horse Rd Bale Feeder
(4) Behlen Country 12' Heavy Duty Crowding Corral Panels w/Pins
2) Behlen Country 10' Galvanized Feed Bunks
Canine Cottage, Poly, 2'x32"x2'
Behlen Country Rd Galvanized Tanks
(44) Asst Panels
Behlen Country Horseman Choice Horse Bunk
(8) Assorted Gates
(10) 12' Galvanized Gates
Behlen Country Tank

(7) 14' Galvanized 6 Rail Gates
Behlen Country Poly Storage Container
(10) Bundles of Fiberglass Insulation
(8) 12' Behlen Country Horse Country Panels
(7) Behlen Country 10' 6 Rail White Gates

Elwood Minds – 402-528-3312
80 JD 7000 8R38" Planter, SN: 611517R
Demco HP 500 Gal. Plastic Tank Crop Sprayer
Dual 325 Tractor Loader, SN: 691131
2) JD R Mounted 8 Row Tent Shield Cults, SN: 043365N
2) JD Rotary Hoes, SN: 019431N
4 Row Soybean Rider

Klein's Motor Electric – Mike Allen – 308-350-9496
07 NH Limited Edition L175 Skid Steer, SN: N7M460032

Manuel Ruf Estate – David Ruf – 308-349-4316 or 308-350-0067
International Harvester 27' 490 Disc, SN: 13121
JD 9500 Combine, SN: 638240
Case IH 2096 w/Koyker 510 Loader, Loader SN: 114477, Tractor SN: 16285750
JD 8200 Drill w/10" Spacing, SN: 007194
Krause 24' 1900 Disc, SN: 1552
95 Travelute Gooseneck Trailer
Sunflower C-21 Field Cult., SN: 76410
Sunflower 16' B14 Chisel, SN: 72263
JD 644 Corn Head, 6R36", SN: 568740
JD 220 20' Grain Table, SN: 493638
85 Ford F250, 3/4 Ton, 4x4
Flex King 3x5 Sweep
Krause 730A Folding Chisel, SN: 1138
3 Pt. Planter w/36" Row Spacing
Case 4 Bottom Plow
73 Ford F500 Truck w/BGM 660T Mixer Feeder, SN: 184542
21' Crust Buster, SN: 16021
Richardson Dump Wagon, SN: 3829
3 Pt. 4 Row Ditcher
3 Pt. 6' Shredder, Big Bee L660
3 Pt. 6 Chisel Ammonia Applicator
Van Brandt Drill
79 Ford F150 Ranger, 4x4
75 Ford F600
(2) 110 Gal. Saddle Tanks
10' Smith-Roles 3" Auger w/Electric Motor
Insecticide Box Mounting Bracket for IH Planter
Farmhand 900B Tub Grinder, SN: 1444
Cat II Quick Hitch
JD 660 Manure Spreader, SN: 312770
JD DR Drill with 8" Spacing, SN: 545
(2) 200 Gallon Saddle Tanks w/Mounting Brackets
(3) 9.00-20 Tires
Delta Pickup Tool Box
Drill Fill Auger (Silver)
3 Pt. Single Bale Mover
Hesston 5200 Big Rd Bale Hauler, SN: RU52
Homemade Head Cart
Dual Compartment Pickup Fuel Tank
Big OX 8' 3Pt. Blade
Honda Big Red 3 Wheeler

Quality Trucks & Tractors – 308-223-9023
2) 00 Freightliner FLD112 Semi Tractors

Jonathan Stillwell – 785-738-0340
05 Gehl 7810 Turbo Skid Steer, SN: 903402
06 NH L185 Skid Steer, SN: N6M436221
04 JD 320 Skid Steer
Skid Steer 72" Grapple Attachment
72" Skid Steer Bucket Attachment
Solideal Takeuchi TB145 Rubber Excavator Tracks
Solideal Case CK25, CK28 Mini Excavator Tracks, SN: 03052572VIW
Grouser Style 12x16.5 Skid Steer Steel Tracks
Loeagering 10x16.5 Steel Skid Steer Tracks
07 NH 625 / 6CDN 4' Skid Steer Trenching Attachment, SN: 166672
07 New Montana 12" Skid Steer Tree Shear Attachment
Grouser Style 14x17.5 Steel Skid Steer Tracks on Gehl 7810 Skid Steer
3) Arrow Material Handling Pallet Forks, SN: 19666, SN: 19662, SN: 19663
(20) Used 12x16.5 Skid Steer Tires
16' Hurst Steel Flat Bed Trailer

The following equipment is owned by various owners TRACTORS:
International Harvester W6, SN: WBK13018W
Case 2670
70 MF 1100
Case 2670 4WD Traction King White 2-105, SN: 255824-406
Farmall McCormick H, SN: FBH-1835

VEHICLES:
80 Ford LT8000
63 Chevy C60 Grain Truck
98 Ford F150
89 Ford Super Duty XL
76 Ford 8000
00 Freightliner FLD120 Tandem Axle Truck Tractor, Mark Stock TX#13891
67 Chev C50 Combination Grain & Livestock Truck
03 Peterbuilt 385 Semi Tractor
94 Kenworth Semi Truck
Ford Econoline Camper

FARM EQUIPMENT:
500 Gal Sprayer
International 480 20' Disk
International 30' Field Cult. w/Harrow
Insecticide Tool Bar w/Orbital Motor, 6R30
Oliver 263 Manual Fold 20' Disk
6' Swivel Blade, 3 Pt.
Saddle Tanks w/Hyd Pump
7' Manual Single Fold Spring Tooth Harrow
200 Gal 3 Pt. Sprayer
80 Strobel 18' Pull Type Rolling Stalk Cutter
Dempster Dry Fertilizer Spreader with Tarp
82 JD 9300 Grain Drill, SN:N09000X030678
Category Three Wide 3 Pt. Caddy, SN: 101822
JD 9000 Drill, SN: 018621 and 0117463
JD 6R30" Disc Hiller

HAYING EQUIPMENT:
Artsway 20' Shredder
00 Case IH RBX561 Round Baler, SN: HBY0001537
JD 535 Rd Baler, SN: E00535X986371
JD 38 Mower
Farmhand F126B 5-Bale Mover, SN: 569

HARVEST EQUIPMENT:
Westfield MK80 72' 8" Auger
Feterl 85 Rotary Screen Grain Cleaner
Sukup 8" Grain Cleaner
Feterl 40' 6" Auger
JD Chopper Corn Head, 3R30", SN: 551906
JD 3960 Chopper, SN: 551211
JD 7' Wide Pickup Head, SN: 537597
Richardson Dump Wagon, SN: 1893-13
AC LM630 Corn Head, SN: 580468-0808
JD 925 Flex Head w/Header Trailer, Header SN: H00925F673355
2) Parker 4500 Gravity Flow Wagons
Peck Mfg 10" Portable Auger Hopper, SN: 10PTE1176
Gleaner 240 Corn Head
Gleaner 13 Grain Head, SN: 2033

LIVESTOCK EQUIPMENT:
Roto-Mix 490-14 Feed Wagon
3) Post Hole Diggers
(3) Johnson Continuous Flow Cattle Waters
Creep Feeder
Cattle Chute
Cattle Tank
Misc. Hog Feeders, Gates and Waterers

(3) Sections of 11' Hog Huts
Pile of Steel Posts
Roller Mill, 540 PTO Driven
Artsway 425 Grinder Mixer, SN: B187816
Sampson Papec Roller Mill, SN: 10P-1060
Henke 240 Kwikmixer Feed Wagon

COMBINES:
Gleaner K, SN: 1875
2) 76 JD 7700, SN: 213336, SN: 264664
78 JD 7700

ELECTRIC MOTORS:
2) New Dayton 1/4 HP
9) New Dayton 1/2 HP
1) New Dayton 1 HP
2) New Dayton 3/4 HP
(1) Dayton Oil Burner Motor

TRAILERS:
89 S&S Horse Trailer
00 Merritt Cattle Drive Cattle Pot
82 Dona Triple Axle Double Header Trailer
90 Merritt Cattle Pot
88 Cornhusker Grain Trailer

SKID STEER & ACCESSORIES:
05 Bobcat S185 Skid Steer, SN: 525022038
03 Bobcat 463 Skid Steer, SN: 520012257
Skid Loader Steel Tracks
Custom Built Forks

CONSTRUCTION EQUIPMENT & TOOLS:
97 Smith 100 Air Compressor, SN: 100510116
Vermeer Navigator D6 Boring Machine, SN: 10199466
2) Ditchwitch R100F Cable Plows, SN: 750364, SN: 750251
Degleman 12' Dozer Blade
02 Mustang Mini Excavator, SN: AC00644
99 Airman SDG25S Portable Generator, SN: 1233A30096
Airman SDG45S Portable Generator, SN: 1333A40086
Winco Power System MDS50R3/B Portable Generator, SN: 71514LDO
99 Ditchwitch 1820 Trencher, SN: 1S3557
Ditchwitch 1230H Trencher, SN: 1V1458
Airman Portable Generator with Kubota D905 Welder, SN: 614C19

POWER UNITS:
JD 6059T Diesel
Allis 3700 MK11, SN: 1-7451-79893

GRAIN BINS:
Approx 1100 and 1500 Bu Grain Bins to be Removed

MISCELLANEOUS:
Numerous steel chairs
Numerous Tires and Rims
Large Tray of Miscellaneous Motor Parts & Pulleys
Other Miscellaneous items

The next Big Iron auction is on October 14!!

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GRASS & GRAIN

Auction Sales Scheduled

check out the on-line schedule at www.grassandgrain.com

September 15 — Real Estate at Wamego for Peggy Rowe Estate. Auctioneers: Gannon Real Estate & Auctions.

September 15 — Lot & mobile home at Scranton for Eldon & Jimmy Hinck. Auctioneers: Century 21, Miller & Midyett, Beatty & Wischropp Auctions.

September 15 — Car, shop equipment & household items at Peabody for Doug & Margaret Brewer. Auctioneers: Van Schmidt Auctions.

September 16 — Home & real estate, furniture, household & misc. at Wamego for Richard Martin. Auctioneers: Gannon Real Estate & Auctions.

September 17 — German vintage collectibles, porcelain, china, antique furniture & household at Manhattan for Estate of Aaron & Katie Franklin. Auctioneers: Totally Auction.

September 18 — Machinery, ATVs, furniture & misc. at McPherson for Delbert Schrag & others. Auctioneers: Triple K Auction & Real Estate.

September 18 — Reno Co. land. Auctioneers: Results Realty, LLC.

September 18 — Flint Hills land in Butler Co. at Leon. Auctioneers: J.P. Weigand & Sons, Inc.

September 18 — Pottawatomie Co. land at Onaga for Tami Owen. Auctioneers: Donald Prell Realty & Auction.

September 18 — Hand &

power tools, comm. lawn mower, vehicles & motorcycles at Manhattan for Seizure assets from the Kansas Dept. of Revenue. Auctioneers: Totally Auction.

September 18 & 19 — Clothes, coins, books, furniture, pictures, collectibles & glass at Mankato for Contents of Winefred Kuiken Residence. Auctioneers: Thummel Real Estate & Auctions, LLC.

September 18 & 19 — Real Estate, furniture, collectibles & household N. of Manhattan for Matt & Betty Betton Trust. Auctioneers: Gannon Real Estate & Auctions.

September 18 & 19 — Glassware & antique furniture at Newton for Jim Dody Estate. Auctioneers: Auction Specialist, LLC.

September 19 — Farm machinery, vehicles, hay, antique & misc. at Eudora for Wesley W. Brecheisen Trust. Auctioneers: Chesnutt & Chesnutt.

September 19 — Real Estate, vehicles, furniture, household & garage items at Newton for Sophia L. (Max C.) Scrivner. Auctioneers: Van Schmidt Auctions.

September 19 — Tractor, roto tiller, tools, household, collectibles at Topeka. Auctioneers: Tom Cadwallader.

September 19 — Furniture, appliances, glassware & collectibles, tools & misc. at Junction City for Estate of Chong S. Maloy. Auctioneers: Brown Estate & Auction Service, LLC.

September 20 — Vehicle, collectibles & glassware, antique & modern furniture, household & misc. at Lawrence for Hatke Estate. Auctioneers: D&L Auctions.

September 20 — Western & Indian memorabilia, furniture & tools at Council Grove for Wayne Myers. Auctioneers: Hallgren Real Estate & Auctions, LLC.

September 21 — Farm machinery, pickup & farm misc. S. of Manhattan for Sargent Farms. Auctioneers: Gannon Real Estate & Auctions.

September 23 — Tractors, vehicles, farm equip., hay & harvest equip., livestock equip., combines, elec. motors, trailers, skid steer & access., construction equip. & tools Online Only for Big Iron. Auctioneers: Stock Auction Co.

September 23 — Nemaha Co. real estate at Kelly for William "Bill" & Darlene Kuhlman. Auctioneers: Maximum Realty, Inc.

September 24 — Antiques, collectibles & household at Jewell for Dale Birdsell Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

September 25 — Home &

personal property at Blue Rapids for Lois Holm. Auctioneers: Olmsted & Sandstrom.

September 26 — Real Estate, car, suburban, camper, household & collectibles, tools & other E. of Randall for Gerald Lienberger Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

September 26 — Trucks, trailers, tractors, heavy equip., combines, farm equip., fertilizer equip., livestock equip., shop equip. & misc. at Augusta for Dean Ogle & Gordon Stands. Auctioneers: Sundgren Realty, Auctions, Appraisals.

September 26 — House, antiques & collectibles, household, tools, guns & bayonet at Frankfort for Mr. Leo Schrader. Auctioneers: Joe Horigan Realty & Auctions Co.

September 26 — Farm auction at Tecumseh for George Wagstaff Estate. Auctioneers: Wayne Pagel.

September 26 — Tools, guns, coins, furniture, stoneware, glass & antiques at Osage City for combination of area sellers. Auctioneers: Beatty & Wischropp Auctions.

September 26 — Tractors, combines, trucks, rotary mowers, post hole diggers, trailers, hay, cattle & tillage equip., minimum till drills, dozer, pickup, 4 wheeler at Kincaid for Steve & Marlene Stevens. Auctioneers: Marty Read Auction Service.

September 26 — Tools, glassware, antiques, furniture, dolls, collectibles, appliances, truck, lawn & garden & misc. at Andover for Trela Howard. Auctioneers: Chuck Korte Real Estate & Auction Service, Inc.

September 27 — 29th annual Cooper Quarter Horse sale at Emporia for Cooper Quarter Horses. Auctioneers: Carey Macy.

September 27 — Vehicle, antiques & collectibles, modern household at Abilene for Marguerite Blatchford. Auctioneers: Reynolds, Mugler & Geist.

October 1 — Ottawa Co. land at Minneapolis. Auctioneers: Omli & Associates, Inc.

October 3 — Real Estate, machinery, equipment, household & collectibles at Topeka. Auctioneers: Sanders Auctions.

October 3 — Vehicles, tractor & engine, household guns, antiques & collectibles at Republic for Ralph Gunn Estate. Auctioneers: Novak Bros. & Gieber.

October 3 — Guns, coins, currency, Tonka & farm toys at Sabetha. Auctioneers: Hartter Auction Service.

October 3 — Horse consignment sale at Soldier. Auctioneer: Greg Askren.

October 3 — Household & collectibles W. of Waterville for Mrs. Elma (Harley) Dettmer. Auctioneers: Olmsted & Sandstrom.

October 3 — Real Estate N.

of Onaga for Leona Kling Trust. Auctioneers: Cline Realty & Auction.

October 3 — Real Estate, antiques, collectibles, baby grand piano & furniture at Wilsey for the Velma Crowley Estate. Auctioneers: Hallgren Real Estate & Auctions, LLC.

October 3 — Acreage at Holton for Ron & Ruth Ann Osmun. Auctioneers: Wayne Pagel.

October 3 — Real Estate, vehicles, antique tractors, antiques & collectibles, body shop tools, parts & misc. at Strong City for Estate of Robert (Robbie) Archer & Chase County Body Shop & Towing Service. Auctioneers: Griffin Real Estate & Auction Service, LC.

October 3 — Reno Co. land. Auctioneers: Results Realty, LLC.

October 3 — Car, riding mower, household goods & misc. N. of Clay Center for Andy & Lola Mae Broden. Auctioneers: Kretz, Hauserman, Bloom Auction Service.

October 3 — Greenwood County land at Severy for Frank McCollum & Others. Auctioneers: John Flott.

October 9 — Greenwood County land at Eureka. Auctioneers: J.P. Weigand & Sons, Inc.

October 10 — Personal property & collectibles at Beattie for Beth Barleen. Auctioneers: Olmsted & Sandstrom.

Continued on page 16

REAL ESTATE & PERSONAL PROPERTY AUCTION

SATURDAY, SEPTEMBER 26 -10:00 AM

107 W 4th , FRANKFORT KS.

REAL ESTATE: Lot 4 & E ½ of 5, Block 67, Frankfort KS. Property address: 107 W 4th .

DESCRIPTION: 1 ½ story, 1148 sq. ft., 3 bdrm, 1 bath, fixer upper, 66 X 150 lot.

TERMS: 25% down day of auction. Balance due at closing. Property is being sold as is where is. Buyers are responsible for making any inquiries and inspections before auction.

NOTE: Real Estate will sell approximately 12:00 P.M. Call auctioneer to inspect house prior to auction.

ANTIQUES/COLLECTIBLES:

Rockers; fern stand; bookcase; lots of old pictures; 45" round oak table, rough; 4-dining chairs; dark down desk; oval parlor table; small metal cupboard/cabinet; Singer treadle sewing machine; primitive kitchen cupboard/pantry, no glass; step stool/table; 3 drawer chest; trunks; dressers; small library table; plant stand; wraparound footboard bed; music cabinet; gentleman's chest w/small mirror; vanity dresser; pair pink dresser lamps; prints; photo albums; kerosene lamps; double Rinseall sink; lard press; store scales. Stinthal China cup, very large; Skookum Toothpick Holder; 2 miniature porcelain dolls; 6 floral butter pats; 5 blue transfer ware butter pats; ruby glass bowl; marigold depression glass bowl; cracker jar w/lid from Germany; match box holder; Fire King small jadeite bowl; large stove top green and white salt and pepper shakers; silhouette thermometer advertising Falls City Wholesale Meat Co.;

AUCTION NOTE: As Mr. Schrader will be moving into assisted living, the above will be sold. Many of the items were passed down from Mr. Schrader's parents. See website to look at pictures. Not responsible for accidents or items after bid off. Lunch available. Will start with yard & tools, Real Estate will sell at 12:00 P.M. followed by guns.

SELLER: MR. LEO SCHRADER

Auction by: Joe Horigan Realty & Auction Co.
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www.jhorigan.com

Maid-Rite Wash Board by Columbus Wash Board Co., Columbus, Ohio; humpback trunk; glass compote w/lid etched w/leaf pattern; 2 small cake stands; very old art deco mirror; shot glass w/Perkins; shot glass w/Harvest King, Kansas City, MO; various cups, saucers, small vases, figurines, salt and peppers; watch fob; child's gold ring; partially finished quilts; lots of religious items.

HOUSEHOLD: End table/magazine rack; Daewood TV; dishes; pots & pans; other furniture not listed.

TOOLS & OUTSIDE: Rakes; shovels; ext. cords; yard and hand tools; Tasco binoculars; fishing & tackle boxes; Penn Delmar #285 open face reel.

GUNS & BAYONET: 12 ga. dbl. barrel, rabbit ear hammers, marked WmMoore, rusty; Iver Johnson single shot 410 shotgun; Stevens model 59A bolt action 410 shotgun; French "Gras" sword bayonet, marked "Mre d'Armes?????" rusty, used before and at the start of W.W.I.

AUCTION

SATURDAY, SEPTEMBER 26 — 10:00 AM

Auction Location: 2601 S.W. 100th, AUGUSTA, KS

Directions: From Augusta, 5 miles East on Hwy. 400/54 to Haverhill Road, 1/2 mile North on Haverhill, 1/2 mile West on 100th.

TRUCKS: 2007 F350 Lariat, crew cab, 4x4, 6.0 diesel, 55K, 20" aluminum wheels, moonroof; 1992 IHC dump truck, 94K miles, 10 sp., 466 IHC dsl.; 1990 F350, 4x2, longbed, 460 auto, 114K, gas; 1997 Chevy Suburban 350 auto, 4x4, new, motor and transmission at 150K miles.

TRAILER: 1991 Transcraft drop deck 50/102 spread axle; 1984 Timpte 42" grain trailer, super hopper; 2000 48" American ground load alum. stock; 2050 Wilson 24' aluminum livestock trailer; Road Boss gooseneck dovetail, tandem duals, 25'; semi equipment trailer, needs some work; military trailer; 48' Transcraft hay trailer, spread axle; pickup trailer, 2 wheel; 4 wheel trailer.

TRACTORS: 4640 John Deere tractor, quad range, cab air, 8K house; 1973 IHC hydro 709 tractor, 3 pt., dual hyd.

HEAVY EQUIPMENT: 580 C Case backhoe.

COMBINES: JD 9600 combine, 3500/2500 hours, duals, cab air; JD 930 header, 653A row head, JD; 2008 like new Sitrex Magnum MK14-16 wheel, hay rake 250; 2005 Sp110 Challenger swather, 18' head, 350 hrs., diesel; Tiger-Mate 371 field cultivator DMI with harrow attachment, 37' with 20' extension.

FARM EQUIPMENT: 1996 JD 455, 30" drill; 1990 JD 7200 Trite True no-till planter, pneumatic sp., 1.5 bu. boxes; 16' truck bed and hoist; 14' chisel; 16' JD chisel; 60' sprayer boom; NH Super 1049 bale wagon, 160 bale; 3400 E-Z-Flow gravity wagon; 295 Unverferth gravity wagon; Bush Hog 6' rotary mower, 3 pt.; 5' box blade, 3 pt.; 40' gooseneck BRB trailer, HM; 50 tractor tire bunks.

FERTILIZER EQUIPMENT: 4 - 1,000 gallon nurse tanks; trailers with pumps; 2 - 4,000 gallon

upright tanks; 2 - 2,500 gallon upright poly tanks; Donahue spray trailer, 28', tandem duals; 2,500 gallon cone bottom on stand.

LIVESTOCK EQUIPMENT: 8'x70' auger with swing; 8'x16' steel tank; 7'x14' steel tank; 6 feed bunks, steel; 6'x14' steel tank; portable loading chute; palpation cage; 12' portable panels; '04 Linn working chute, alley, circle; 9 round hay feeders; 240' cement fence line feeders; 2 portable calf feeders on wheels; 500 bu. creep feeders.

SHOP EQUIPMENT: B&D hammer drill; drill press; DeWalt 18c cordless drill; floor jacks; belt sander with stand; hydraulic jacks; table saw with planer; pipe wrenches; grinder with stand; grinder/buffer on stand; DeWalt radial arm saw; Cordless pole saw; pickup fuel tank, 115,100 gallon; Snap-On tool box; AC 225 Lincoln welder, like new.

MISCELLANEOUS: Eager Beaver industrial wood shredder; 300 bales straw, net wrapped, 1500 lbs., 2008; 150 bales hay, net wrapped, 1700 prairie, 2008 and 09; 2 - 500 gallon poly tanks on skids; 3 mineral feeders; Foremost head gate; 16' gate; 150 used T posts; 8 - 12' gates; 25 - 4" wood line posts; parts washer; pipe and culverts; 50 turned tires; 40 sheets of used tin; truck tool boxes; 14L16.1 tire, new; 215-75-17.5 tire on rim, new; assorted tires and wheels; 2 - 8 hole rims, 9600; 1500 gallon tank, oval; 100 3/4" sucker rod; 14 Red Iron Z purling 24"; 4x24 log splitter cylinder, like new; 300 gallon plastic tank with pump; 90 gallon upright air compressor; Danhauser post hole digger; 12 horse stall panels, 8x10x8, 10x12; 3 pressurized 100 gallon tanks; lots of miscellaneous too numerous to mention.

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REAL ESTATE & PERSONAL PROPERTY

AUCTION

SATURDAY, SEPTEMBER 19 — 9:00 AM

Offering for sale at public auction, located at 1513 W. 7th St., NEWTON, KANSAS

LEGAL DESCRIPTION: Lot 9, Sunset Acres Addition to the city of Newton, KS. Property is improved with a 3 bedroom, 1 1/2 bath, 1,120 sq. ft. ranch style home built in 1957, with central heat/air, full basement and deck. This property has a nice location and storage sheds. Attend this auction prepared to BID AND BUY!!

TERMS OF SALE: 10% of purchase price down day of auction, balance due as of closing date October 19, 2009. The seller will provide an owner's policy of title insurance in the amount of the purchase price. The cost of such title insurance and any escrow closing services will be shared equally be the seller and buyer. Sale is not contingent upon buyer financing. Real estate taxes of \$1,320.94 will be prorated the day of closing. Farmers National Company are acting as agent of the seller. For more information call Van Schmidt, 620-367-3800 or Farmers National Company, 402-496-3276.

SATURDAY, SEPTEMBER 19 — 10:00 AM

Located at 400 Grandview (National Guard Armory) NEWTON, KANSAS.

VEHICLES, FURNITURE HOUSEHOLD & GARAGE ITEMS

2006 Ford Ranger pickup, 4 door, 2,421 miles, like new; 2004 Ford Focus 4 door car, 25,169 miles, clean; 1994 Lincoln Towncar 4 door car, 61,866 miles, clean; Waterfall 3 pc. bedroom set; Waterfall buffet; 3 pc. bedroom set; end tables; roll top desk; wall curio cabinet; kitchen dinettes and chairs; sofa and matching chair; fireplace and mantle with stereo and bar; floor lamp; stereo; old American Beauty doll; stage coach radio; music boxes; bird collection; large Avon collection; child's tea set; guitar; sm. Sew Smart sewing machine; belt buckles incl.: Hesston, Boeing; Stetson hats; 1948 Tucker Torpedo toy car; Amos and Andy puzzle; Singer hand sewing machine; fancy work; dresser set; linens; Air-line radio; dolls; lamps; 1919 pitcher and glasses; hand painted china; cream and sugars; cake stand; glassware; state plates; Ruby Red Avon glass; Hesston 25th glasses; plant stand; bar stools; wall

telephone; pens and pencils; pocket knives; books; pictures; Christmas decorations; stemware; handkerchiefs; old movie camera; TV punch bowl; Kenmore side-by-side refrigerator, 22 cu. ft., water and ice in door; Kenmore washer and dryer; red GE refrigerator; silverware; pots and pans; GE hand/stand mixer; ice cream freezer; relish dishes; baking dishes; dinnerware; microwaves; hair dryer chair; sweepers; enamelware; patio table and chairs; gas grill; yd. windmill; wheelbarrow; lawn ornaments; birdbath; fountain; UST 5.5 hp. 2300 watt generator; Poulan mower; Toro line trimmer; leaf blower; tiller; lawn and garden items; air compressor; brass grain probe; 36" Ridgid pipe wrench; plate jointer; hand tools; sockets; hammers; 10 ton port-a-power unit; roll-away toolbox; Remington 16" elec. chain saw; vise; bench grinder; shop vac; come-a-long; jack stands; shovels; hardware; bike; file cabinet; Coleman lantern and more.

TERMS: Cash day of sale. Statements made day of sale take precedence over advertised statements. Lunch provided by K&B Catering.

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Experts say to make science fun

Building skills in science and technology is an asset in living in a larger, global society, yet, in the U.S., many students are passing up science classes, said Gary Gerhard, Kansas State University professor of youth development. The failure to engage students and relate the topic — physics, for example — to everyday life may be a factor, he said. Homework also has been cited as a deterrent, yet students who balk at signing up for science classes, but grow through 4-H projects, may not realize that their project is science-based, Gerhard said. He noted that he learned about electricity in science class, but learned how to apply it in his 4-H electricity project.

In looking at a list of 4-H projects — there are more than 30 to choose from — the science-connection may not always seem obvious, Gerhard said. Students who choose the 4-H foods and nutrition project may not immediately consider baking biscuits science, yet learning the role of each ingredient and how ingredients interact to make biscuits is food science — and chemistry. The 4-H space technology project includes learning the principles needed to build and fly a rocket, he said. And, this fall, a new 4-H project focusing on wind as energy is being introduced. The 4-H geology project, which includes learning about the earth and the environment, and entomology project, which makes collecting insects and

learning how they contribute to the environment, also take science beyond the classroom, Gerhard said. Clothing construction and buymanship, which are both part of the 4-H clothing and textiles project, include science-based learning modules such as recognizing fiber content and its characteristics and the elements of clothing construction. Both are helpful in choosing clothing and caring for it, he said.

In acknowledging the 4-H connection with literacy in science, engineering and technology (SET), Gerhard said that nationally, 4-H is working to emphasize science and how it applies to everyday life. “Our efforts support young people mastering 30 competencies (4-H SET Abilities for the 21st Century) by building them into 4-H programs,” he said. Examples range from being able to build and construct by putting materials together to putting objects or events in groups or classes, collecting data, considering solutions and creating practical applications to fulfill a desired purpose.

While focusing on the application is clearly an outcome, learning the basics — the what, where, when, why and how — is also part of the program, Gerhard said. More information about the application of science, engineering and technology via educational 4-H programs is available by contacting any county or district K-State Research and Extension office.

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Continued from page 15

October 10 — Farm auction NE of Council Grove for Lester McClintock. Auctioneers: Hallgren Real Estate & Auctions, LLC.

October 10 — Quarter Horse riding & weanling sale at Alta Vista for Buchman's Double B Ranch. Auctioneer: Dennis Rezac, assisting, Allyn Thompson & Ron Shivers.

October 10 — Shop tools, manuals, car & misc. at Osage City for Mrs. Charles “Margo” Bryant. Auctioneers: Beatty & Wischropp Auctions.

October 10 — Riley County Land for Ernest Kunze Estate in Randolph. Raymond Bott Realty and Auction.

October 15 — Sedgwick

County Real Estate at Andale for Aloys & Mary Ann Betzen Trust. Auctioneers: Gene Francis & Associates.

October 28 — Fink Beef Genetics Angus and Charolais Bull Sale, Randolph.

October 28 — Complete cattle dispersal at Manhattan for Triple C-Kansas Division.

October 31 — Gun & knife collection, collectibles at Council Grove for Private Seller. Auctioneers: Macy Realty & Auction, Carey Macy, Steve Patterson.

November 4 — Republic Co. real estate at Clyde for Candace Schwab & Angie Downing. Auctioneers: Larry Lagasse Auction & Real Estate.

November 7 — Consign-

ment Auction at Lyndon for Harley Gerdes.

November 8 — Shades of Red & White Show Calf Sale at Clay Center for Kanza Cattle & Guest Consignors.

November 20 — Late fall machinery auction at Clay Center. Auctioneers: Mugler Auction Service, LLC.

November 23 — Complete liquidation, equipment, land at Ramona for Triple C Ranch-Kansas Division. Auctioneers: Mike Williams.

November 23 — Land at Mahaska for Francis W. Nutsch. Auctioneers: The Realty Associates, Mark Uhlik.

November 23 — Farm & horse equipment at Mahaska for Francis W. Nutsch. Auctioneers: Mark Uhlik, Greg Askren, Garold Gray.

January 1, 2010 — 25th Annual New Years Day Consignment Auction at Lyndon for Harley Gerdes.

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