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G&G now offers online subscription

By Beth Gaines-Riffel, Editor

Like most things found in the country, G&G hasn't changed much in the five-plus decades we've been serving our rural readership. We've prided ourselves in bringing you the news you need as well as entertaining features about people you know who are involved in agriculture. There's been more than a few stories about progress and how to implement new technologies into your operations for the best result — whether they make things easier or more efficient, or help boost the bottom line financially.

But as of this edition, we've taken a big leap. G&G is now officially available electronically via the Internet at www.grassandgrain.com.

In a month, it will be a subscription-only option, just as your print copy is today. In the meanwhile, we'd like you to take an opportunity to test-drive the offering. To access restricted areas of the site, enter the user ID: **sample** and the password: **sample** to log in.

One of the things you'll find when you get to the website and open up the "current edition"—it opens up into a separate document and it appears exactly in the format that you've become accustomed to through the years. So if you're looking for the previous week's market results or upcoming consignments from your favorite auction market, you'll be able to go right to it.

Another feature that we are really excited about is the opportunity to search the document with the tool available in Adobe Reader, which is the free downloadable program that is required to open up the documents. So, if you are looking for a particular model of tractor or equipment, put that information in the search box and you'll be guided to all the occurrences of that search term that appear in the edition.

During the farm show, we'll have a laptop up and running so you'll be able to see the website for yourself and have a chance to ask any questions you may have. You will be able to convert to an electronic subscription if you like the convenience the new option offers.

There are a number of free website features including market updates, weekly recipe, photos and a calendar of events that you'll want to take advantage of each week as well.

Special attractions during Topeka Farm Show

By Beth Gaines-Riffel

You'll want to be sure to stop by the G&G booth during the 2008 Topeka Farm Show slated for Jan. 8-10. We'll have some special events that you won't want to miss.

On Tuesday, Jan. 8 from 1-3 p.m., drop by the booth and meet Renee Whitney the Women's Page editor. We'll have copies of the newly released G&G cookbook for sale during the entire show, but on Tuesday afternoon, you'll want to take advantage of the opportunity to have them signed.

Another special attraction will be the appearance of regular G&G columnist Gordon Morrison. He will be in the booth from 3-5 p.m. on Wednesday. Morrison will also be signing copies of his new book, "Views from the Learning Post" which was published in late November.

As always, we will have a special farm-show subscription rate for those interested in renewing their G&G for another year, and we'll have our traditional thank-you gift for taking care of it at the show.

Persistence pays for area cattlemen

By Gary Fike

Donald and Dale Krouse understand commitment. If they had the time, they could write a book about consistency, persistence and hard work, too.

The brothers have farmed together for almost 60 years, raising corn, soybeans, wheat, hay and great Angus cattle near Westmoreland. It's been their life.

They learned the value of retained ownership a long time ago.

"We've been feeding out our own calves since 1948 or '49," Donald says. "We started that because we never felt like the auction barns paid us the true value of our calves."

Dale adds, "We decided to market them ourselves after feeding them out."

Like most producers, they tried other breeds, both English and Continental. "But we always came back to Angus," Dale says.

"Too much up and down," his brother puts in. "Too much inconsistency. It seemed like we ended up with calving problems, hard pulls and then 'dumb calves' that wouldn't get up and suck their mothers. We just really weren't very happy with what we got."

Among their many reasons for breed loyalty, Donald was particularly impressed with Angus calf vigor. "They jump up and start nursing right away," he says. "We also like the disposition on the cattle. At our age (he is 79; Dale is 74), we don't move as fast as we used to," he says with a smile.

Good health is an added benefit. "We don't get many sick calves, and this has helped their performance in the feedlot, too," adds Dale.

They typically market their cattle to the Certified Angus Beef LLC (CAB)-licensed National Beef. The market rewards them with

grid premiums. Sharing the past two years of carcass data shows that.

In 2006, the Krouse duo fed 188 steers and heifers that achieved nearly 34% Certified Angus Beef ® brand, including 4.8% USDA Prime, with 89% Choice or higher and only 4% Yield Grade (YG) 4 cattle.

The next year, it only got better. On 166 head that went 92% Choice or higher, 61% were CAB or CAB Prime (12%), nearly four times the national average for 2007. Cash prices were relatively attractive, but these cattle brought back premiums of up to \$89 per head over the cash equivalent.

The Krouse Brothers



Donald Krouse visits with Craig Good about the bulls he's been using. Good has been providing the Westmoreland farmer the genetics that have allowed him to capture additional carcass premiums for the cattle they have finished.



have bought their bulls for the past 15 years from Good Farms of Olsburg. They credit bulls from the farm, owned by Craig and Amy Good, for increasing productivity and profitability in the 250-head, spring-calving Krouse herd.

That's because they retain heifers from those bulls to breed, and the Goods know they need everything from maternal to carcass traits. "We always look through the bulls before Craig and Amy's sale," says Dale. "We visit with them about which ones they might recommend, too. We trust them and their judgment."

The relationship goes back almost 30 years. Craig's father, Don, was the head of the animal science department at Kansas State University from 1968 until his retirement in 1985. "Dr. Don" met the Krouse Brothers in the 1970s, and the family friendship developed from there.

Craig is quick to praise the pair. "Donald and Dale are just great guys. Hard working, honest — just the best people. This is a life-long effort of theirs, and they've succeeded."

The two are ready to slow down a bit, although not give it up completely, says Donald. "But, we are

planning to sell a few cows and make it a little easier to manage."

Sixty years has taught these two more than a little about the advantage of retained ownership when you know you have good cattle. The long-term relationship with a trusted Angus breeder helped improved consistency in their cattle, so that more of them earn the premiums that flow from meeting consumer demand.

Array of ethanol blends possible under pilot project

Flexible fuel vehicle owners could get more choices at the pump under a pilot project launched by the Kansas Department of Agriculture.

"Fueling stations currently sell gasoline blended with either 10 percent or 85 percent ethanol," said Kansas Secretary of Agriculture Adrian Polansky. "This pilot project will allow them to install pumps that dispense ethanol fuel blends not currently offered, like 20 or 30 percent ethanol, to allow consumers to decide for themselves which blend is best for them based on price and performance."

All vehicles on the road today can use gasoline blended with 10 percent ethanol, or E10. Flexible fuel vehicles, however, can use higher blends with up to 85 percent ethanol. The blender pumps authorized under the pilot project will allow flexible fuel vehicle owners to purchase such blends as E20, E30, E50 or E85.

"The U.S. Department of Transportation is now testing how regular fuel vehicles perform on higher ethanol blends. Initial research shows that E15 and E20 blends deliver the same environmental benefits without any adverse effect on

vehicle engines," Polansky said. "It's very possible the Department of Transportation may one day endorse using these higher ethanol blends in non-flexible fuel vehicles."

In the meantime, to ensure unwitting consumers don't accidentally pump a higher ethanol blend into their vehicle than it can manage, the pumps will feature a bright orange label with the message "For use in flexible fuel vehicles only."

The Kansas Department of Agriculture's weights and measures program regulates gas pumps for

accuracy and verifies the fuel's characteristics, including octane rating and whether the fuel contains impurities. Program staff will ensure that equipment used to dispense the ethanol blended fuel is suitable and properly installed, and that fuel quantity and quality standards are met.

The pilot project will allow blending on a trial basis until Jan. 1, 2009. Guidelines for the pilot project are online at http://www.ksda.gov/renewable_energy/content/191.

Currently there are 28 stations in Kansas selling E85 fuel.

Guest Editorial

Seeing in the dark

By Kristin Van Tassel
Prairie Writers Circle

The second week of December, an ice storm hit the Plains states, and thousands of families lost power, some for a week or more.

My family was among them, and the experience gave me an epiphany I call the Light Bulb Theory of Materialism. Never mind the other manifestations of electricity — climate control, communication, transportation, mass production. The light bulb is the foundation of consumption.

My grandparents did not have power in their rural

Kansas homes until they were young adults, in the 1940s. But those of us under 80 have no clue just how dark it is without electric light.

I found out after the ice storm. Once the last rays slipped over the horizon about 6, efficient completion of tasks ended. Nine ornamental candles and two wind-up flashlights did little to cut the gloom. My family learned that casually leaving items on the nearest surface is a luxury of being able to see. Finding carelessly placed toiletries, pajama pants and keys became futile until daylight. And to our repeated chagrin, we kept losing the flashlights.

We tripped and stumbled

from one room to the next. One evening I set a gallon of milk on what I assumed was a clear counter. The jug toppled and milk ran under the refrigerator.

That these trials came just before Christmas made them poignant. For centuries communities have celebrated winter solstice, the shortest day of the year, with an evergreen tree to mark the return of light, and with it, life. My tree stood in shadow. There was little incentive to carefully arrange it and the house with ornamental baubles and gadgets I've collected over years. To bring pleasure, all needed light.

The power outage taught me the fragile feeling of liv-

ing in the dark, the helplessness relieved by the ancient, universal practice of solstice festivities. But being without electricity also showed me how modern access to light has profoundly changed our lives and the way we view consumption and accumulation.

The staggering volume of possessions in our homes — decorative, recreational, or utilitarian — comes only with bright lighting. Without it, much of what we own is reduced to stuff. Which we stumble over during the night.

Though most of the stores in town never lost electricity and were open right after the storm, several of my colleagues said they hadn't done any Christmas decorating or shopping during the week their houses were unlighted.

Without the electric light bulb, our balance of trade with China would be instantly reversed.

We live in an affluent society that makes conservation and simplicity a difficult exercise in willpower. But the drawbacks of materialism shift from ideological to practical in a dark house.

It is not coincidental that my grandparents' house was small and spare, though they raised six children. Grandma had a few pictures on the wall. A single cabinet in one corner held her treasures. Family life centered in the kitchen, the brightest room.

I'm glad to have my electric light bulbs back, but I'm also thinking about how to

prepare for another blackout. Scientists and engineers have warned about the aging grid's vulnerability. It also will suffer under heavier heat load and stronger storms predicted to come with climate change.

Preparation for possible failures should include investing in improved alternative technologies, such as better light-emitting diodes, an efficient illumina-

tion, and decentralization of the grid, or "micropower."

But more important, we should reassess what's really needed to live a good life, with or without the light bulb. That's my resolution for the New Year.

Kristin Van Tassel teaches English at Bethany College in Lindsborg. She wrote this comment for the Prairie Writers Circle of the Land Institute, Salina.



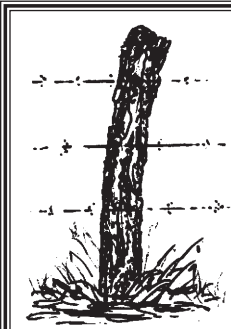
Over the Barn Gate

By Beth Gaines-Riffel

Here we are at the beginning of another year. I for one was happy to see 2007 go. Hopefully the difficult winter weather will go with it as well. I'm not a fan of winter and this year has reaffirmed that notion. The days of school missed due to the storm — my kids didn't go back to school at all after the storm due to the school being without power — have disrupted the normal ebb and flow of family schedules. I know that looking back over the year, weather would certainly be at the top of the list. Floods, tornados, Easter snow storms and now ice of late certainly played havoc with the destruction of crops and property. Yes, it's a good thing that this year is now in the books, because I don't think I could have handled much more.

I am looking forward to 2008 though. Have a few goals set for the year (not resolutions mind you as those generally get broken the first week). My calendar has already started filling up with dates of meetings that sound interesting and should provide a benefit to readers in the coming weeks. You might want to jot of few of them in your own datebook, because I really think these sessions being planned could help improve your farming/ranching operation. As one of my favorite educators, Dr. Mugler, was fond of saying, you've got to keep on learning. And he's right. When you're done expanding your horizons, or at least reviewing the material you already know, you're done living.

That's all for now, I'll chat with you next week, "Over the Barn Gate!"



The Learning Post

By Gordon Morrison
Concordia Rancher and
Former Agriculture Educator

The Candlelight Service At Huscher

'Twas the night before Christmas when every church in town and around the countryside was holding a candlelight service. My wife was still busy with preparations for a family Christmas, so I was left to attend alone. Being an adventurous soul, I decided to go to the 5 p.m. service at the country church in the nearby Huscher community. All that remains in this little settlement is a wooden frame elevator, railroad tracks, three houses, and a country church with 55 worshipping farm folk. To get there, I traveled four miles down a rock road. I drove slow because of three inches of snow still on the ground. Alongside every shelter belt near the road, the ice was still hanging on, trying to cause a wreck.

I arrived at the church right on time for the service. One spot was left for me to squeeze the jeep into. To get from there to the church was a real challenge — crossing 200 feet of wet ice as slick as cow slobbers. I have determined not to have a wreck on big Expressway 81 nor to fall. To keep that commitment, I almost had to crawl to get to the church door.

The minister was just saying, "Welcome to our service," when I found an empty seat next to Verna, a good friend. Last fall May and I attended memorial services for her late husband in this same church. They had been married sixty-plus years. We were in the same Bible study a few years ago and were well acquainted. Since I didn't have a program, she shared hers with me. I later discovered I had also walked right past the individual candles in my effort to find a seat quickly.

I wanted to be of help so I reached for a song book for us to use, but Verna whispered, "It's the other one." By the time I found the right page, the congregation was on the last verse. Her understanding smile kept me from feeling embarrassed.

For the special music, an attractive lady sang a beautiful solo. Verna leaned over to me and said, "That's my daughter." Pride was showing in her eyes and voice. I squeezed her hand.

For the responsive reading, we read from her program. I got off onto the wrong line three times, but each time her finger pointed to where we

were. I think I was not seeing the lines well enough to stay on track. I felt good, though, for I was getting along just fine; no one could tell I was struggling occasionally. I got along exceptionally well during the prayer.

Then came the candle-lighting service, and there I sat without a candle. A kind woman sitting behind me saw my plight and left to quickly return with a candle for me. As the minister came down the aisle, lighting the candle of the end person on each pew, I saw I was next. Whoever used the candle last year had snuffed it out, leaving a very short wick. However, I came through brilliantly by tipping the candle more on its side. I'm not so dumb.

While waiting for the rest of the candles to be lit, I held mine steady — a nice flame. Then as the minister began his comments, I felt something on my fingers — hot, sticky and slimy at the same time. I looked down to see hot wax encircling my index finger. The paper shield hadn't done its job, and I learned it works better when one holds the candle plumb — straight up. Wow, how can I stop this burning hot wax? In my predicament, I nearly dropped the candle. In desperation, I used the fingers on my right hand to remove the hot wax that was encircling my finger. The cooling wax became a real mess, but at least it was no longer burning and my candle was still lit. I glanced at Verna to see her smiling. I had made it, and no one but the two of us knew of my problem. The Lord's Supper went smoothly — no mishap at all. During the Lord's prayer, I felt quite confident; but when everyone else said, "Forgive us our trespasses," I spoke right out, "Forgive us our debts."

At the close of the service and after I had put on my coat to leave, a young whippersnapper came up to me and said, "I believe you have my coat on." Sure enough, I had grabbed the wrong coat. I am glad God has a sense of humor.

Perhaps all this happened to me just so I would have a story to tell. I have a deadline to meet for this column today.

The book *Views from the Learning Post* can be ordered from Gordon Morrison, 1268 Key Road, Concordia, KS 66901 or may be available in a store near you. For information, call 785-243-3833.

The Sage of the Flint Hills

93% of Americans say they believe in promoting volunteerism. But only 45% of Americans volunteer. What's keeping half of the nation from walking the talk? 49% of the holdouts cited busy lives and lack of free time. 16% said they hadn't found the right charity and 8% said they didn't know how to get involved.

The end of 2007 requests for charitable donations is over and we move on to our giving in 2008. Americans are very generous, giving nearly \$300 billion annually. What should you look for? Ask the charity what benchmarks it uses to monitor its results. Check a charity's website for specific details on results.

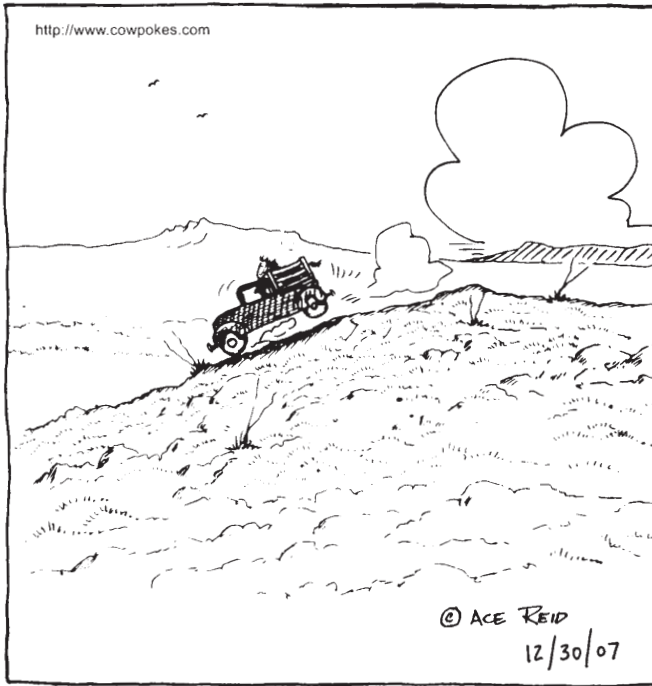
If the information you need isn't on the charity's website, call the charity and ask. Be wary about giving if a charity doesn't answer your questions. Another option: volunteer with the charity or do site visits to see how well it operates. Or, visit a charity's site to get to know staffers and check the facilities.

Be careful about restricting your gifts to certain purposes. If everyone restricts their gifts, there is money for program, but no money to pay to heat the charity's office.

DDB

COW POKES®

By Ace Reid



"Wul the skunks got my chickens, coyotes got my calves, and the eagles got my lambs— won't be long till us ranchers will be the endangered species!"

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Kansas Soybean Expo in January

"Soybeans — the Seeds of Success" is the 2008 Kansas Soybean Expo theme chosen by the Kansas Soybean Association. The day-long meeting will be held on Wednesday, January 9th in Topeka. All Kansas soybean producers are encouraged to attend.

The Soybean Expo begins with registration and exhibits at 8:30 a.m. Exhibits will include current research projects funded by the Kansas Soybean Commission (KSC) and a variety of corporate exhibits. The morning session begins at 9 a.m. with extension specialists from Kansas State University providing updates on soybean varieties, no-till and strip-till, nutrition management, and price outlook.

John Phipps will be the featured speaker discussing, "Prosperity for Dummies — Managing Success After a Long Layoff." Phipps is familiar to farm audiences from the pages of Farm Journal and Top Producer magazines, as well as the host of the nation's longest-running TV farm show "U.S. Farm Report."

Phipps has a gift for

humor and passion to help farmers lead happier lives. The one-day event also includes John Hoffman, American Soybean Association (ASA) President reporting on the upcoming programs of ASA, an update from the National Oilseed Processors Association and an afternoon panel featuring new varieties of soybeans.

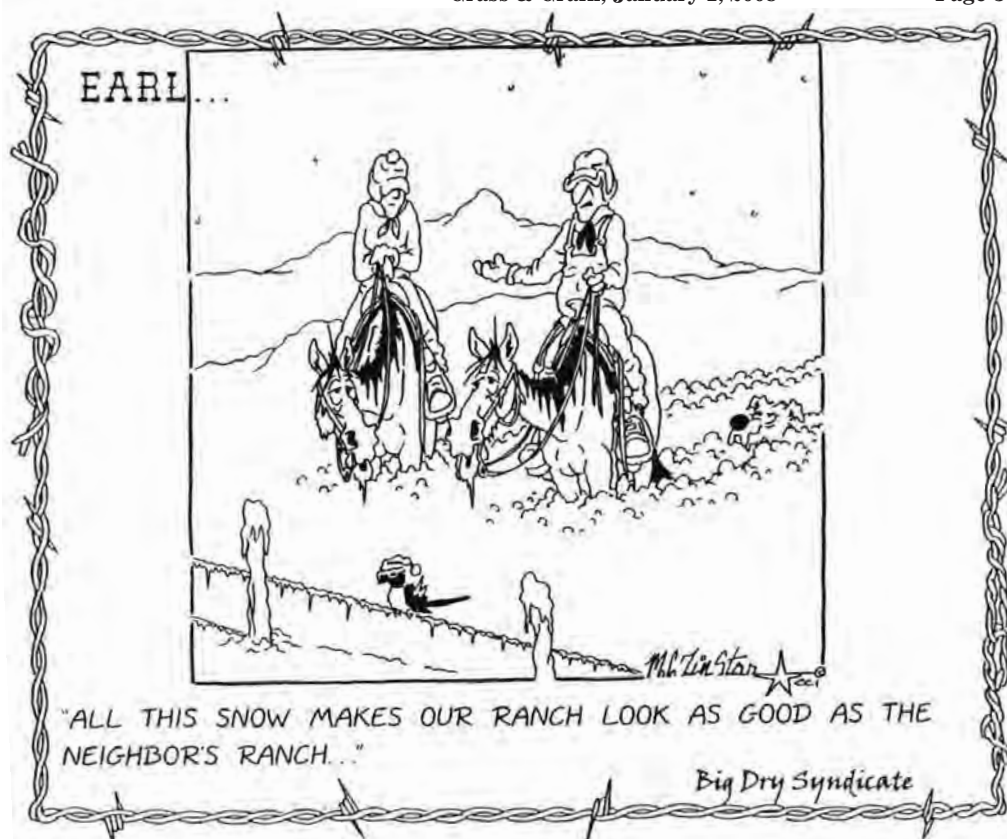
Rep. Nancy Boyda (invited) will address the group during the luncheon, unveil KSA's new logo, and recognize the winners of the KSA logo contest. KSA held a logo competition this fall encouraging middle and high school students in Kansas to submit their designs. A total of 284 entries were received. KSA believed this was a good opportunity for students to use their creativity and artistic talent, learn more about soybeans, and compete against each other for cash prizes. Other presentations will include the Friend of Soy, DuPont Young Leader, and ASA Western Region Conservation Legacy Awards, and other service and meritorious recognitions. The annual Kansas Soybean Association yield contest re-

sults will also be announced during the luncheon.

Kansas Soybean Association President, Lance Rezac, encourages producers to attend to learn the latest in technological research and national issues for the soybean industry. Rezac says it is a great opportunity for producers to visit with other soybean growers throughout the state. The Kansas Soybean Expo is held annually in conjunction with the Topeka Farm Show.

The Soybean Expo begins at 8:30 a.m. at the Capital Plaza Hotel Manor Conference Center, Sunflower Ballroom, in Topeka. A reception to meet the 2008 Kansas Soybean Association Directors and Soybean Commissioners is scheduled at 3:30 p.m. following the afternoon session with the Expo concluding by 4:30 p.m.

Registration forms and additional information is available by calling the Kansas Soybean Association at 800-328-7390, or visiting the web site at www.kansassoybeans.org. The one-day meeting is jointly sponsored by KSC and KSA.



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AUCTION
Saturday, January 12, 10:00 AM
10650 SW 40th St.
Towanda, Ks.&



Open House will be held Sunday, January 6 from 2:00 to 4:00 PM

A Home Owners Warranty is in place for the new buyer paid for by the seller: KS. 254 & Adams Rd, go south 2 miles to SW 40th, East 1/2 mile to property on the left. Home has 2 sod runways. A N/S 2100 foot and an E/W. Workshop is 45x30 and hanger is 45x35. Pond waiting to be stocked. Custom built home is a masterpiece of workmanship and quality. Home features 8' basement ceilings, 2 Full baths, 2-1/2 baths & 3 large bedrooms with a total of approximately 2691 Sq Ft.. Property tax is \$3496.72, with no special taxes. Just minutes from the conveniences of the cities of Wichita and El Dorado with the tranquility of country life.

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FRIDAY, JANUARY 18 — 11:00 AM

833 E. 110th Ave. North — BELLE PLAINE, KANSAS

Directions: 3 W of Belle Plaine to Hwy 81, 2 mi N, 3/4 mi W. Or from the Mulvane Turnpike Exit 1/2 mile W, 4 mi S, 3/4 mi W

Live internet bidding, www.stockra.com

TRACTORS:

95 Case IH 7230 MFWD, PS, 4,792 Hrs, 18.4R42 Rear w/ Axle Mount Duals, Triple Hydr, Power Beyond, SN: JJA001525X

83 Case 2394, PS, 6,806 Hrs, 20.8R38 Rear w/ Clamp-on Duals, Dual Hydr, 3 pt., SN: 9929050

63 JD 3010, Propane, 7,155 Hrs on Tach, 15.5-38 Rear, Dual Hydr, 3 pt., JD 148 Loader, SN: 33735

COMBINE & HARVEST EQUIPMENT:

92 Case IH 1680 Axial Flow Combine, Cummins Diesel, 3,014 Eng Hrs, 30.5-32 Front, Specialty Rotor, SN: JJC0117219

Case IH 1010 25 ft. Flex Head JD 1210A Grain Cart

FARM MACHINERY:

JD 7200 6R30" MaxEmerge II Planter, Liquid Fert, Markers

96 Case IH 4300 33 ft. Field Cultivator

JD 455 30 ft. Grain Drill, 7 1/2" Spacing, Single Marker

JD 6R Cultivator

JD 235 22 ft. Disk

Krause 20 ft. Chisel

(2) Case 6 Btm Semi-Mount Plows

JD 400 6 Row Rotary Hoe

1,000 Gal Fertilizer Tank w/ Briggs & Stratton Gas

Bush Hog 277 8 ft. Rotary Mower

Bush Hog 8 ft. 3 pt. Tilt Angle Blade

Speed Mover 12 ft. Box Blade

TRUCKS:

79 Chevy C70 Tandem Axle Grain Truck, Rear Tag Axle, 20 ft. Steel Box w/ 52" Sides, Roll Tarp, 366 Gas, 5-2 Spd, 40 Gal. Built-in Step Tanks, 99,000 Mi

75 Chevy C65 Tandem Axle Grain Truck, Twin Screw, 18 ft.

Steel Box w/ 52" Sides, Roll Tarp, 427 Gas, 5 Spd w/Aux

65 Chevy C60 Single Axle Grain Truck, 16 ft.

Knapheide Box w/ Wood Floor, 6 Cyl Gas, 4-2 Spd

58 Chevy C60 Viking Single Axle Grain Truck, Knapheide 13 ft. Steel Box w/ Wood Floor

72 Chevy C20 Pickup, 350 V8 Gas, Auto

MISC:

500 Gal. LP Gas Tank

125 Gal. LP Gas Tank

(2) 300 Gal Gas Tanks on Stands

(2) 1000 Gal Diesel Tanks w/pumps

Misc. Antique Horse Drawn Equipment & Hand Tools

SKIDLOADER:

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THURSDAY, JANUARY 17 — 11:00 AM

1001 N. Argonia Rd. — MILTON, KANSAS

Directions: From Norwich, 4 mi E, then 4 mi S. From Conway Springs, 7 mi W, 1 mi N.

Online Bidding, www.stockra.com

TRACTORS

90 JD 4755 MFWD, PS, 8,845 Hrs, 18.4R42 Rear w/ Axle Mount Duals, Triple Hydr, 3 pt., Quick Hitch

88 JD 4650 MFWD, PS, 7,082 Hrs, 18.4R42 Rear w/ Axle Mount Duals, Dual Hydr, 3 pt., Quick Hitch, SN: 17461

84 JD 4450 Tractor, Quad Range, 9,526 Hrs, 20.8R38 Rear, 3 pt., Quick Hitch, GB Hi-Lift Loader, SN: 007292

COMBINES & HARVEST EQUIPMENT

83 Gleaner L3 Combine, 1,975 Eng Hrs, 1,519 Sep Hrs, 23.1-34 Front, 20 ft. Grain Head, Chopper, SN: LG26518883

79 Gleaner L2 Combine, 1,165 Hrs on Tach, 23.1-34 Front, 20 ft. Grain Head, Chopper, SN: LG17878H

McComick 13 1/2 ft. x 7 ft. Steel Wagon on Running Gear

FARM MACHINERY

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91 NH 510 Small Square Baler

JD 640 Side Delivery Rake (4) IH 510 Plain Grain Drills

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Baker 8100 34 ft. Field Cultivator

Miller 18 ft. Single Fold Disk

Miller 16 ft. Disk

Krause 1080 18 ft. Chisel

Krause 271 14 ft. Chisel

JD 3600 7 Btm Plow

JD 3600 6 Btm Plow

Blair 5 ft. x 12 ft. Feeder Wagon

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69 Ford F-600 Single Axle Grain Truck, Midwest 16 ft. Steel Box w/ 40" Sides, Steel Floor, 4-2 Spd, 55,999 Mi

67 Ford F-700 Single Axle Grain Truck, Midwest 16 ft. Steel Box w/ 40" Sides, Steel

Floor, 361 Gas, 4-2 Spd, 104,125 Mi

78 Ford F-250 Custom Flatbed Pickup

85 Ford F-250 Pickup, 2WD, Diesel, Auto, 61,933 Mi

73 Bull Mobile 7 ft. x 20 ft. Livestock Trailer

28 ft. Triple Axle Bale Trailer, Bumper Hitch

88 Ford Bronco II, 4x4, 3 Dr, 2.9 L V6, Auto

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Here are some recipes from Millie Conger, Tecumseh:

CREAMED CARROTS

3 pounds fresh carrots, cut into 1/4-inch slices
1 cup chicken broth
2 tablespoons butter
2 tablespoons flour
1/4 teaspoon salt
1/8 teaspoon pepper
1 1/4 cups half & half cream

In a saucepan bring carrots and broth to a boil. Reduce heat, cover and simmer for 8 to 10 minutes or until carrots are crisp-tender. In a saucepan melt butter. Stir in the flour, salt and pepper until smooth. Gradually add cream. Bring to a boil, cook and store for 2 minutes or until thickened. Drain carrots. Drizzle with cream sauce and toss to coat.

SWEET POTATO POUND CAKE

1 cup butter
2 cups sugar
4 eggs
1 teaspoon vanilla
3 cups flour
2 teaspoons baking powder
1 teaspoon cinnamon
1/2 teaspoon baking soda
1/4 teaspoon salt
1/4 teaspoon nutmeg
2 cups cold mashed sweet potatoes
Glaze:

1 cup powdered sugar
1 teaspoon grated orange peel
3 to 5 teaspoons orange juice

In a bowl cream butter and sugar until light and fluffy. Add eggs, one at a time, beating well after each addition. Beat in vanilla. Combine the flour, baking powder, cinnamon, baking soda, salt and nutmeg; add to cream mixture alternately with sweet potatoes. Beat just until combined; batter will be stiff. Pour into a greased and floured bundt pan. Bake at 350 degrees for 50 to 60 minutes or until a toothpick comes out clean. Cool for 10 minutes before removing from pan to a wire

rack to cool completely. For glaze: In a bowl combine sugar, orange peel and enough juice to achieve desired consistency. Drizzle over cake.

CHOCOLATE CHIP MACADAMIA NUT MUFFIN

Streusel:

1/4 cup flour
1/4 cup brown sugar
2 tablespoons butter

Muffins:

2 cups flour
1/2 cup sugar
1 teaspoon baking powder
1/2 teaspoon baking soda
1/2 teaspoon salt
3/4 cup sour cream
1/2 cup butter, melted
1/4 cup milk
1 tablespoon vanilla
1 egg
1/2 cup chopped macadamia nuts
1/2 cup miniature chocolate chips

Heat oven to 375 degrees. Grease 18 regular-size muffin cups or use paper liners. In a bowl mix all streusel ingredients with fork to coarse crumbs. Set aside. In a bowl mix 2 cups flour, the sugar, baking powder, baking soda and salt. Add sour cream, 1/2 cup butter, milk, vanilla and egg; stir just until dry particles are moistened. Fold in nuts and chips. Fill muffin cups 3/4 full then sprinkle each with 1 1/2 teaspoons streusel. Bake 18 to 20 minutes or until toothpick inserted comes out clean. Remove from tins immediately.

The next few are from Mary Rogers, Topeka:

CREAMY

TURKEY & PASTA

2 cups uncooked penne or medium tube pasta
2 cups sliced fresh mushrooms
1 cup sliced green onions
2 tablespoons butter
1/2 cup chicken broth
1 teaspoon minced garlic
1 tablespoon flour

1/3 cup water
1 cup heavy whipping cream
2 cups cubed cooked turkey or you can use chicken
2 tablespoons capers, drained (optional)
1/4 teaspoon salt
1/8 teaspoon pepper
Shredded Parmesan cheese

Cook pasta. In a skillet saute mushrooms and onions in butter for 4 or 5 minutes until tender. Add broth and garlic. Bring to a boil, cook until liquid is reduced by half, about 5 minutes. Combine flour and water until smooth; gradually add to mushroom mixture. Bring to a boil. Reduce heat, cook and stir for 2 minutes or until thickened. Stir in cream. Bring to a boil. Reduce heat and simmer, uncovered, for 5 minutes or until heated through. Drain pasta. Add the pasta, turkey or chicken, capers, salt and pepper to cream sauce. Cook for 3 to 4 minutes or until heated through. Sprinkle with Parmesan cheese.

BACON WATER CHESTNUT WRAPS

1 pound sliced bacon
(2) 8-ounce cans whole water chestnuts, drained

1/2 cup brown sugar
1/2 cup mayonnaise
1/4 cup chili sauce

Cut bacon strips in half. In a skillet over medium heat, cook bacon until almost crisp; drain. Wrap each bacon piece around a water chestnut and secure with a toothpick. Place in an ungreased 9-by-13-inch baking dish. Combine the brown sugar, mayonnaise and chili sauce; pour over water chestnuts. Bake, uncovered, at 350 degrees for 30 minutes or until hot and bubbly.

CHEESY BUFFALO CHICKEN DIP

8-ounce package cream cheese, cubed
1 1/2 cups finely chopped cooked chicken
1/2 cup Kraft roka blue cheese dressing
1/2 cup buffalo wing sauce
2 stalks celery, finely chopped

Mix all ingredients and microwave on high for 5 minutes or until cream cheese is melted and mixture is heated through, stirring after 3 minutes. Serve hot with crackers.

Zona Homeier, Wilson: "These are very good as appetizers."

SPINACH BALLS

2 boxes frozen chopped spinach
2 cups herb stuffing
1 small onion, chopped fine
4 eggs
3/4 cup melted margarine
1/2 teaspoon garlic powder
1/2 cup grated Parmesan cheese

Cook spinach as directed on the box and drain well. Mix rest of ingredients and add to the spinach. Chill. Shape into balls and place on a lightly greased baking sheet. Bake 20 minutes at 350 degrees. Serve warm. Makes about 60.

Shirley Deiser, Kanopolis, shares the next two:

BROCCOLI-APPLE SALAD

8 cups fresh broccoli florets, chopped
1 red apple, chopped with peel on
1 green apple, chopped with peel on

1/2 cup raisins or dried cranberries
1/2 cup coarsely chopped pecans

In a medium bowl combine broccoli, apples, raisins or cranberries and chopped pecans. Toss with commercial coleslaw dressing or combine:

1 cup mayonnaise
1/2 cup sugar

1/4 cup vinegar
Serve chilled.

TURKEY RICE SALAD

3 cups cooked rice
2 cups cooked turkey or chicken
1 cup seedless grapes, cut in half

1/2 cup chopped green pepper
1/4 cup chopped onion
1/2 cup Zesty Italian salad dressing

In a medium bowl combine all ingredients. Chill 1 hour or overnight.

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Kansas demands water cuts, damages for Nebraska's overuse of Republican River

Kansas officials have demanded that Nebraska significantly reduce its use of Republican River water and pay monetary damages for overuse in 2005 and 2006 in violation of a 2003 U.S. Supreme Court decree and final settlement stipulation.

"Nebraska has neglected its obligations under the final settlement stipulation, and their actions to comply with the terms of the settlement have been grossly insufficient and unrealistic," said David Barfield, chief engineer of the Kansas Department of Agriculture's division of water resources. "Kansas' water users continue to suffer as a result."

In a letter to Ann Bleed, director of the Nebraska Department of Natural Resources, Barfield wrote that to get into compliance with the settlement stipulation, Nebraska should immediately shut down wells within 2 and 1/2 miles of the Republican River and its tributaries and on land in the basin where irrigation started after 2000.

Also in the letter, Barfield pointed out that Kansas' crop losses in 2005 and 2006 can't be recovered, so Nebraska should pay damages equal to their state's gains or Kansas' losses, whichever is greater.

"Repayment by water appears impractical, so

monetary compensation is proposed," Barfield said.

Nebraska used 82,870 acre-feet of water beyond what it was entitled to in 2005 and 2006. Their overuse from 2003 to 2006 is estimated to be 143,840 acre-feet. One acre-foot is equal to 325,851 gallons.

"The amount of water overused in 2005 and 2006 is about what a city of 100,000 would use in 10 years," Barfield said. "Clearly, this is not an insignificant amount of water we're talking about."

Kansas and Nebraska entered into a final settlement stipulation in 2002 that called for compliance with its terms on a five-year running average, or a two-year running average in water-short years. The first accounting period for the two-year running average for water-short years is 2005 and 2006.

As a remedy for Nebraska's violations, Barfield proposes the Supreme Court issue an order finding

that Nebraska violated the court's decree; that Nebraska pay Kansas damages plus interest, attorney fees, costs and any other relief the court deems appropriate; that Nebraska immediately shut down irrigation wells within 2 and 1/2 miles of the Republican River and its tributaries and on lands in the basin where irrigation began after 2000; and all other actions appropriate for Nebraska to take to comply with the terms of the final settlement stipulation.

"Our most urgent need is to get Nebraska to comply with the settlement so Kansas gets the water we are entitled to. However, sanctions are appropriate for the violations in 2005 and 2006," Barfield said.

Nebraska has 45 days to respond to the proposed remedy and, if agreement cannot be reached, Kansas will submit the matter to the Republican River Compact Administration for dispute resolution.



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USDA releases NAIS documents

The U.S. Department of Agriculture's (USDA) Animal and Plant Health Inspection Service (APHIS) announced the release of two National Animal Identification System (NAIS) documents this week. The draft Business Plan to Advance Animal Disease Traceability has been made available for review and comment, and a revised version of the NAIS User Guide was released.

The draft plan provides a comprehensive look at the country's current traceability status, including a breakdown by species. It details seven strategies that will provide the greatest amount of traceability progress in a short amount of time. These strategies involve state and federally regulated and voluntary animal health programs, industry-administered animal management and marketing programs, as well as various animal identification techniques. It also will allow these varied components to work in harmony. Drawing from already existing systems and data reduces the cost, amount of time and effort needed to implement a national animal identification system.

USDA will periodically review and update the plan to leverage new opportunities, address unforeseen challenges and maintain

forward movement towards the ultimate goal of 48-hour traceback.

The draft plan was published in the Dec. 19 Federal Register and is available on the NAIS website at www.usda.gov/nais. Comments on the plan or other aspects of the system can be provided by e-mailing animalidcomments@aphis.usda.gov or by writing to the NAIS program staff, USDA, APHIS, VS, 4700 River Road, Unit 200, Riverdale, MD 20737.

USDA also released the official version of the NAIS User Guide, which replaces the November 2006 draft version. During the past year, USDA has reviewed and incorporated public comments into the official version, making the document easier for readers to understand and use. The user guide, upon which the business plan builds, provides producers with the information they need to know about how the NAIS works, how they can put the system to use and why participation would benefit them and their animals. The user guide contains the most up-to-date information on the NAIS, as well as how to participate in all three aspects of the program, including premises registration, animal identification and animal tracing.

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Kansas Wetlands Alliance hires new executive director

"The Kansas Alliance for Wetlands and Streams, Inc. (KAWS) announces hiring their first executive director, Harold L. Klaege, beginning in early January 2008," said Charles Barden, KAWS Board chairman and KSU Extension forester, Manhattan. "The nine-member Board made the selection in late November and it anticipates moving the nationally recognized wetland and stream conservation organization forward with Klaege's day-to-day leadership."

KAWS owes a debt of gratitude to Tim Christian, who provided tremendous leadership as he helped grow the organization over the past eight years, Barden said. With the hiring of Harold Klaege, in the new executive director position, we will take KAWS to a new level of accomplishment.

Klaege will become the third person to serve KAWS as lead staff replacing Christian, Barden said. Christian served as state coordinator for KAWS as a contractor since August 1999. Paula Ford held the first part-time KAWS position from 1998 to August 1999. Klaege is the first organization employee. KAWS currently has eight other contractors serving in a variety of support positions, he continued.

Klaege recently retired from the USDA's Natural Resources Conservation Service (NRCS) as the state conservationist for Kansas. As state conservationist, he was responsible for the management and direction of all NRCS operations in the state. A native of Martin, Ohio, Harold grew up on a working farm. He attended Ohio State University where he earned a Bachelor of Science degree in agricultural engineering in 1971.

He began his 37-year career with NRCS as a student trainee in 1970 in Defiance, Ohio. Later he served as a hydrologist in Columbus, Ohio, until 1975. Klaege relocated to Lincoln, Nebraska, in 1975 and held several positions in the Nebraska NRCS state office including planning engineer, design engineer, area engineer, water resources planning leader, and assistant state conservationist. In 2000, he accepted a position in NRCS national headquarters in Washington, D.C., as the national watershed program leader.

In 2002, Klaege became the eighth state conservationist for Kansas.

Harold is committed to conservation and the position of KAWS executive director will allow him to continue his "calling for conser-

vation." Harold lives in Salina with his wife, and they have two children and one grandchild.

KAWS works with local people to create, protect and restore the state's wetland and stream resources. Organized in 1996, KAWS is a 501.C.3. educational public charity reaching a broad spectrum of individuals, groups, and governments to improve the wetlands and streams they own or control. Over its 11-year span, the organization has helped educate thousands of adults and students about the state's invaluable wetland and stream resources, their condition, and how to protect and improve them. As part of that process, KAWS has completed over 300 demonstration projects expending nearly \$5 million since 2003 in nearly two thirds of Kansas counties that showcase sound treatments and management. KAWS provides its services through 12 local chapters that cover the entire state.

Klaege can be reached at P.O. Box 2112, Salina, KS 67402-2112, or call him at 785-820-1619, fax to 866-658-4535, or e-mail him at hklaege@kaws.org. Visit the web at www.kaws.org to find out more about KAWS and wetlands and stream conservation in Kansas.

Kansas Farm Bureau 'YF&R' event set for January in Wichita

More than 300 farmers and ranchers between the ages of 18 and 35 are expected to gather next month in Wichita to network, learn and position themselves as leaders in agriculture and rural Kansas.

The Kansas Farm Bureau Young Farmers & Ranchers Leaders Conference will take place Jan. 25-27 at the Hyatt Regency, 400 West Waterman, Wichita.

"We hope young farmers and ranchers gain knowledge they can take back to their operations, as well as enjoy a weekend of fellowship and networking," said Orrin Holle, a Rawlins County farmer who serves as Chair of the KFB Young Farmers & Ranchers Committee. "The committee has worked hard to come up with a program that is worth time away from the farm."

General session speaker Mark Mayfield will use his own Kansas roots and a little humor to teach five behaviors that help balance life by learning how to deal with life's biggest stressor — people.

During a Saturday afternoon address, the group will hear from KFB President Steve Baccus, an Ottawa County farmer, who will share thoughts and insight into how young farmers and ranchers can influence consumer attitudes.

Other workshops and discussion topics include managing change, water, livestock profitability, transportation, women managing the farm, estate planning and a Capitol Hill update.

A complete agenda is available at www.kfb.org/yfr/conference.htm. Registration is available from County Farm Bureau Association offices through Jan. 11.

Young Farmers & Ranchers, an integral part of Kansas Farm Bureau, are hard-working agriculture professionals dedicated to developing their leadership skills and empowering others to become actively involved in agriculture advocacy, promotion and education.

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"Our staff drives flexible fuel vehicles. Thanks to the increase in the number of E85 stations, we can now drive on E85 fuel no matter where we go in Kansas," according to Sue Schulte, communications director for the Kansas Corn Growers Association and Kansas Grain Sorghum Producers Association.

While E85 fuel has many benefits, most drivers notice the price first.

"There are so many reasons to use E85 fuel. It is domestically produced ethanol, made from corn and grain sorghum. It burns cleaner and is better for the environment. But it is the price that is attracting the most attention right now.

At 40 to 60 cents below regular unleaded, E85 fuel is a great deal," Schulte said.

While there is a drop in fuel economy for E85 fuel because ethanol contains a lower energy content, KCGA and KGSPA staff have not found the dramatic decreases in fuel economy that is reported by some sources.

"We've been using E85 in flexible fuel vehicles for year, and while we see a small loss in fuel economy, the price of the fuel will normally more than make up for that difference," Schulte said. "If you live near an E85 station, it will be worth your time to check your owners manual to see if you have a flexible fuel vehicle."

E85 is 85 percent ethanol fuel that can be used in flexible fuel vehicles (FFVs) that operate on any combination of gasoline and ethanol up to 85 percent ethanol. There are over 6 million FFVs on the road today.

For a complete list of E85 stations in Kansas, visit the Kansas Ethanol website at www.ksgrains.com.

Association announces winter grazing conference

The Kansas Graziers Association announces its winter grazing conference from 8:30 am to 4 pm on Saturday, January 19 at the Assaria Lutheran Church on the north side of West First Street, Assaria.

KGA, a grassroots organization administered by farmers and ranchers, is dedicated to the continuing improvement of the profitability and quality of life of livestock producers. KGA coordinates and promotes educational activities, such as the

winter grazing conference, to inform farmers and ranchers about year-round livestock grazing using advanced techniques and forages.

The featured speaker, Gary Kilgore, Kansas State University professor emeritus, discusses ways to manage forages to increase profits of livestock herds. In addition, Brad Windholz, a Marquette farmer, provides his experiences on stockpiling forages to reduce winter feeding costs of cattle.

Conference registration,

due by January 12, is \$25 per person and includes lunch. For more information and a registration form, please see the Kansas Rural Center website at www.kansasruralcenter.org/calendar.html or contact Mary Howell at (785) 363-7377 or marshallcofair@networksplus.net

The winter grazing conference is organized by KGA and receives support from the Kansas Rural Center and the Kansas Center for Sustainable Agriculture and Alternative Crops.

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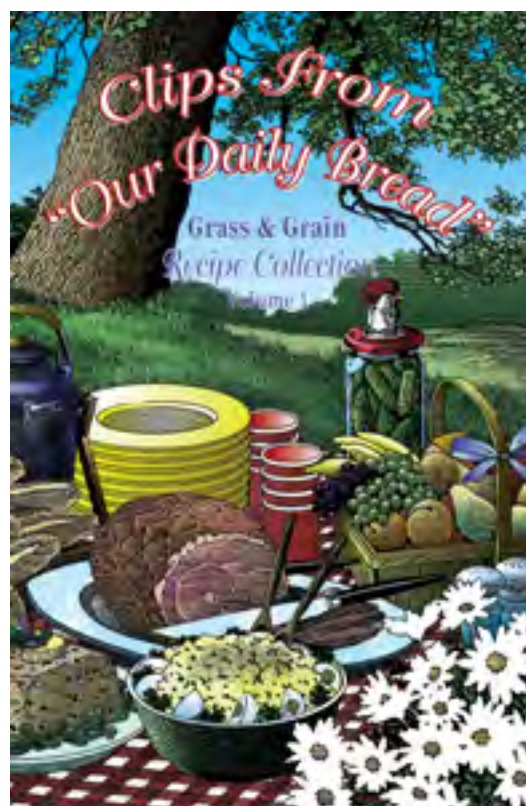
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By Val Farmer

Rural Life

Jealousy: something comes from nothing

Once upon a time in a far away land known as the Rural Outback, there was a farmer named Jealous Husbandman. His friends knew him by the short but sweet nickname of Jelly.

Jelly was no ordinary farmer, for he had the good fortune to marry the fairest and most beautiful maiden in this far flung, sparsely settled country, the lovely Miss Jamie Innocent, known affectionately by her close friends as Jam.

Jam and Jelly were quite the pair in those halcyon days of their courtship. They enjoyed each other immensely. They were together so much one could not think of Jam without thinking of Jelly. Jelly accepted his good fortune as a matter of course.

Jelly was a reserved man and a hard worker. He had common sense and was a

bedrock of strength and virtue. He was handsome in his way but it was his steadiness and values that proved to be the real attraction for free-spirited Jam.

Jam had an easy way with people. She was exuberant, fun-loving and wore her emotions on her sleeve. She brought sparkle and fizz to any gathering. As any true innocent, her trust in others knew no bounds. She always acted herself and said what she thought. Time passed. Jelly counted himself lucky to have found such a woman for his lifelong companion. He was reminded of this by her magnetic attraction at church socials, softball games, and family gatherings. When they went dancing and imbibed a little, he was acutely aware of how irresistible she was.

One dark day, Jelly had equally dark thoughts.

“What does she see in me. I am just a ‘dumb’ farmer. I am not good enough for her. I see how my friends look at her. I’d better be careful. I don’t trust men. I know how they are.”

Jelly started to clip Jam’s wings.

He complained about how she acted in public. He didn’t want to go dancing. And when he did, his mood would turn ugly. He found fault with Jam’s friendliness and her proximity to certain men.

Jelly’s mind began to work overtime. The accusations started. He subjected Jam to intense interrogations about why she gave a certain look and why she brushed up against so-and-so. Jam, who didn’t think twice about her motives, resented having to explain her innocent behavior.

Jelly started putting two and two together and came up with five. Every event was scrutinized. What Jelly thought happened became his blueprint for reality and none of Jam’s explanations swayed him.

Jam couldn’t believe her ears. Where was his trust in her? Why did Jelly act like she had no sense and no moral values? She could no longer be herself in public. After several embarrassing events, she would try to reason with her formerly logical husband. He would twist her words and believe what he wanted to believe. After several failed attempts to reason with him, Jam shut down and pulled away from him. The bird who was so free was being put in a cage. Jelly was becoming a recluse and expected her to do the same. After a severe depression, Jam decided to leave him. She could no longer take the verbal abuse and harassment.

Jelly was panic stricken. His worst nightmare was coming true. He wanted to keep her at all costs. He threatened her. He threatened himself. He was a shell of his former self. He couldn’t bear to be without her.

Jam and Jelly go for counseling.

Though it is not the tradition in Rural Outback country to go for counseling, Jelly agreed to go. This is what Jelly learned about himself and his situation. He learned that there were no rivals for his wife’s heart. His own feelings about himself were at the heart of the problems. He became overawed by his wife’s ability to socialize, her attractiveness, and then lost sight of his own worth and qualities that brought Jam to his side in the first place. Despite her reassurances to the contrary, he couldn’t believe she would find him attractive. His jealousy and control created a self-fulfilling prophecy. The more he tried to control her through his accusations, interrogations and surveillance, the more angry and unloving Jam became. Threats and force do not keep love, they kill it. Jam was not a possession and didn’t like being treated like one. Jelly had to reaffirm his belief in himself and believe that he was truly worthy of Jam, despite his social inhibitions. Opposites attract. He loved her energy, spontaneity and fun.

She brought him something he lacked.

Jam also brought things she needed - his steadiness, commitment, good judgment, and detail-oriented workstyle. He was OK just the way he was. He had to trust his own desirability as a husband, something Jam believed in far more than he did himself. Jelly learned to lighten up. Then he could focus on Jam’s needs, listen to her feelings and urge her to be social again without worry or fear. He became more respectful and trusting in her choices. He encouraged her friendships and communicated with her at a much deeper level. Jelly got back to being himself and regained his sense of humor. And in his way, he actually became more fun.

So if you happen to go to Rural Outback country and meet Jam and Jelly, you’ll find they are still together and even sweeter than ever.

For more information on rural marriage, visit Val Farmer’s website www.val-farmer.com.

Val Farmer is a clinical psychologist specializing in family business consultation and mediation with farm families.

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Missouri company shipping tractor parts to Australia

LEBANON, Mo. (AP) — John Deere tractors and parts are on their way from Laclede County to the land down under.

Farm equipment that has been discarded by some for scrap is being shipped to Brisbane, Australia, where it will have a new life.

“It’s not just one guy ordering parts. It’s seven or eight different people who get together to order the parts,” said David Marlin, who along with his wife, Robin, owns 2-Cylinder Plus Tractor Salvage in Conway.

This is not the first time that 2-Cylinder Plus Tractor Salvage has dealt with large shipments to Australia, but it is the first time for it to be the center point for the shipment, said Kevin Hill, parts manager.

“Everything we don’t have, we are finding,” said Hill.

With this shipment, the salvage yard is pulling parts from around the nation to make the long journey to Australia.

One shipment they helped with took a total of about 18 months to get the items gathered and shipped, said Hill.

The latest shipment started being put together around January or March of this year and it took “a call here and a call there asking

for parts” to get it pulled together, said Hill.

“They are buying anything a tractor needs. They don’t have John Deere tractors over there, so there is a big outlet for the parts and tractors,” said Hill. “Anything we didn’t have, we’ve found.”

A John Deere ice cream maker, valued at about \$3,000, with a “hit-and-miss motor,” was included in the shipment, along with a Model B “Brass Tag” John Deere tractor, and a John Deere BO Lindeman crawler, which are the oldest collector tractors added to the shipment.

Some collector tractors are put on display and a few are put to use in the fields.

To be shipped, the tractors, which are about 11 feet long, were stacked in a shipping trailer with a variety of parts including engines, fenders and boxes.

“We fit six rigs (tractors) and parts into a 44-foot trailer. The hardest part was putting in the 50 to 70 boxes,” said Hill. “We didn’t think we would get all six rigs (tractors) in the trailer... (Australians) like a variety of John Deere parts. You can hear the excitement in their voices when you talk to them about the shipment.”

The trailer was packed to the brim by the time the last tractor was loaded. Every-

thing was tied down and was placed in the trailer like a jigsaw puzzle in preparation for the trip to Australia.

“The last shipment had tractor tires stacked to the top of the trailer,” said Hill.

Marlin and Hill have been working with Australia not only on large shipments, but UPS shipments as well.

“We’ve done sales to Australia about 50 to 100 times, most (deliveries) are UPS,” said Marlin.

Over the years, 2-Cylinder Plus Tractor Salvage has grown since its beginning in 1990. It now does business with buyers in all 50 states and 16 foreign countries, including Canada, England, Netherlands, Sweden and Japan.

“I’m shocked at how many places will call asking for parts in the United States and Canada,” said employee Suzanne Denney.

“We really deal with people from all walks of life,” said Hill.

The shop has also had international visitors seeking parts and tractors.

A man from England came to the United States with his family to go to Disneyland and then stopped by the Conway shop, said Hill. There also was a visitor from Denmark who came in wearing wooden shoes, said Denney.

Farm Bureau, KFAC to hold Ag in the Classroom training workshops

The Kansas Foundation for Agriculture in the Classroom (KFAC) and Kansas Farm Bureau (KFB) will host several Ag in the Classroom educator training workshops this January and February throughout the state.

The workshops, which are designed especially for agriculture education presenters at the county level, will give participants the opportunity to receive training for a variety of age-based hands-on learning labs, receive resource materials, share ideas, network with others and practice presentation skills.

Some of the people who may be interested in attending a workshop include Cooperative Extension educators, county Farm Bureau agriculture education volunteers, Kansas Conservation District managers, agricultural educators and other youth presenters.

The dates and locations for the one-day workshops are Jan. 19 in Manhattan, Jan. 26 in Emporia, Feb. 2 in Colby and Feb. 9 in Garden City. Specific meeting rooms will be announced closer to the date of each workshop. There must be a minimum of 10 participants

at each location in order to conduct a workshop. In the event that one of the workshops will not be held, participants who have signed up to attend it may attend any of the other workshops instead.

Registration fees are \$35 per person and include lunch, refreshments and resource materials. Registration forms and fees are due by Jan. 4 to the KFB Accounting and Human Resources department in Manhattan. More information and registration forms can be found on the KFAC website at www.ksagclassroom.org.

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SELLING SATURDAY, JANUARY 12:

COLLECTABLES & FURNITURE

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dock Farm Imp. Hardy Neb, John Nemechek Ellsworth, Smith Gas Station Goodland chain picture's; 10 picture flue covers; Burlington Route pictures; RI tall globe railroad lantern; assortment of calendars; wall magazine rack; 6 blue & white sponge bowls; blue sponge bowl; advertising crocks bowls (Convis & Abel Burr Oak, Ks.; Homer Francis Produce Oakland Ne.; FL Mezer Busy Corner Athol, Ks.; Pats Grocery 1927 Esbon, Ks.); Red Wing 1/2 gal butter milk feeder; Eureka poultry fountain; Splash Proof butter-milk feeder; 4 gal Red Wing churn ski oval; green Dutch pitcher damaged; 2 gal bar lid; brown 5 gal churn; **TINS** inc.: (tobacco inc.: Sweet Cuba 4 lb., Tom Moore, Union Leader, R A Patterson, Edge Worth, Velvet, Half & Half, Beechnut); (coffee inc.: American Deluxe, French Market, Blue Ribbon, Quinn's, ConRoy's), (Rolled Oat boxes Superior, Stevens, Clover Farms, P & G); Three Brothers Sealed Cream separator oil tin; Japan Tea 1/2 lb., Dunham's Sifted Cocoanut, NR Vegetable Laxative, Snow White Bakery bread box; Maytag oil can; Nourse Oil; McLaughlins coffee jar; Billy beer collectables; Gold Dust 25 cent soap chiplets; Radio Jr. magic lantern; **SMOKING** inc.: 3' Philp Morris poster; 30" Kool donkey elephant poster;

Winnie Winkle cigar box, large ash tray collection, smoke set, Joe Camel mug, other items; 1894 New Haven self closing match safe; advertising eversharps & pens; advertising pocket knives; political pin back buttons; complete set Smokey Hill River Festival buttons; Regulator short drop clock; carriage clock; walnut clock shelf; Pulver Chewing gum machine (no works); Carta Blanca & Bittendorf wagon tip tray's; Do Wa Jack stove top; chalk Indian; Shaguille O'Neal action figures; Tom Thumb cash register; Charlie Weaver balloon machine; Overland Circus truck w/bear; trick pony bank; several soakers; Lawrence Welk trays; bell for pedal fire engine; Batman mugs; Spider man toys; Mobil glass Porche car; rosette heart shape waffle iron; malt mixer; blue granite roaster; lantern w/reflector; skaters lantern; Dietz Little Wizard red globe; dough pan; cast iron pot; mandolin; ukulele; wooden wringer; glass chicken water; wash board; paper roller; Lodge harp; pencil collection; tin sand bucket; assortment kitchen utensils; granite pans; music box; Topeka, Ks. state seal; coin drawer; Emerson brass blade fan; cream testing bottles; KK meat grinder; rug beater; price guides; sea shells; scrap sterling pieces.

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water set; Bristol vase; Heisey etched vase; Swan salts; pattern glass salt & pepper; glass 12" leg cup; set child's china dishes; 20 reamers; 20 pieces Bauer dinnerware; Depression glass inc.: (green Cameo cake plate & 8" vase, Pansy & Doris cake plate, Princess & Ballerina butter dishes, Parrot bowl & platter); (pink cherry blossom berry set, cake plate, 2 handle plate, Madrid bowl, Spanish Lace bowl, Sharon butter dish, Cube butter, Poppy ash tray, Daisy & Diamond butter, berry set); (amber parrot pie plates, 6 Madrid cups, 6" pitcher, Sharon butter dish); purple Royal Lace cookie jar; (yellow 8" spoke pitcher, Cameo candy dish); clear Miss America pitcher & 6 tumblers; bisque vase; candle holders; castor set; Occupied Japan Noritake dinner set; Shawnee corn covered dish; hand painted china pieces; Hull Art wall pocket R10; Hull 130; Hull Art 461; lady vase; Weller planter & frog; Niloak deer; 20 pcs Hall-McCoy & Dryden; 57 pcs Harlequin; Klondike butter; Capodimonte compote; pattern water glasses; Imperial

Christmas plates; Tommee Tippee cup; glass Easter egg; black amethyst vase's, other pieces; 20 Royal Copley planters; Copley ducks; McCoy pieces; rooster planter; Dryden Brookville Hotel jug; Gone w/Wind floral lamp; Aladdin green base lamp; pattern glass kerosene lamp; Greek Key miniature lamps; other mini lamps; owl TV lamp; 5 electric Aladdin table lamps; Caranome cologne set; 2 glass store shelf holders; candle figurines; refrigerator dishes; **DOLLS** Amosandra rubber doll; several kid bodies (no heads); Oriental; chalk Cupid; assortment Barbie Holiday & Olympic; Keepsake Barbie ornaments; Child's oak sideboard, wash stand & doll bed; wicker doll buggy; wicker doll rocker; doll clothes patterns; Large assortment Christmas decorations, bubble lights, Noma lights in box; Merry Christmas Kanzel Meyer tin; Mrs. Albee porcelain figurines; children's books; chain purse; girls muff; corset box; assortment jewelry.

NOTE: This is a large private collection. They have been collecting for many years. We will sell the collectables and furniture on Saturday. There are many very nice pictures, advertising items and collectables. On Sunday we will sell the glass, Christmas, dolls and other items. There is a very large collection of Christmas decorations.

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2008 Kansas Hay and Grazing Conference

The Kansas Hay and Grazing Conference will be held on
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at the Kansas Farm Bureau building, 2627 KFB Plaza, Manhattan, KS
This is a public conference for anyone interested in livestock grazing, hay production/utilization or buying/selling of Kansas grass and hay products.
This conference is jointly sponsored by the Kansas Forage and Grassland Council and K-State Research and Extension.

• Registration: 8:30 - 9:30 a.m.	• To Register: Return the attached registration form, call 620-431-1530 (Karen) or kwalters@oznet.ksu.edu by Friday, Jan. 11, 2008.
• Cost: \$40* pre-registration, \$60 at the door	

Keynote Speaker	Educational Displays	Commercial Exhibitors
Breakout Sessions Include (will have the opportunity to attend three) <ul style="list-style-type: none">Financial and Transitional PlanningHay Hauling and Trucking RegulationsWeed and Brush ControlImproved Alfalfa TraitsAnnual ForagesGrazing Steers in the Flint HillsUsing Distillers By-Products on GrassMarketing Organic HayForage Trends in Feedlot RationsEfficiency in Feeding HayLiability in the Hay BusinessUsing Inoculates and Preservatives <p>*This year your registration fee will include: 1) 2008 membership in the Kansas Forage and Grassland Council 2) Conference lunch and breaks 3) Conference proceedings 4) 2008 KFGC Discount Coupon Book</p>	Keynote Speaker: R. L. Dalrymple , long-time Forage Management Agronomist with the Nobel Foundation, Ardmore, Oklahoma. R.L. developed Red River and Quick-N-Big crabgrass varieties and he was the principle researcher in developing crabgrass production systems. Now retired, he still produces these varieties in his family seed business that markets into twenty-five states. R.L. will discuss crabgrass as a forage and livestock grazing management tool.	

Registration — Please reply no later than January 11, 2008 • Pre-registration \$40.00 — At the door \$60.00
Registration includes proceedings, noon meal, breaks, 2008 KFGC membership and coupon book

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Please contact us (620-431-1530) at least four days prior to this event if accommodations are needed for persons with disabilities.



'HYPP' Horses Are Serious Problem For Conscientious Breeders

Really, what is all of this talk about horses with Impressive bloodlines being bad? What is the acronym: HYPP?

Many people don't have any idea what is being referred to when somebody insists they won't buy a horse with the Quarter Horse stallion Impressive in the pedigree. Sometimes comments referring to HYPP and the initials N-N, H-N and H-H are added to the conversation, making the discussion more complicated.

One prospective buyer wants, or at least doesn't care if there are Impressive lines, and the next person contends he wouldn't take one with that lineage even if given to him. It is a complex situation.

HYPP stands for hyperkalemic periodic paralysis. "It is a muscular disease that affects both horses and humans," according to Dr. Sharon Spier, doctorate equine researcher in veterinary medicine at the University of California at Davis. The world's leading expert on the subject, Spier

has been investigating the disease since its discovery in 1992.

"Cause is a hereditary genetic defect that disrupts a protein in the membrane of muscle cells," she explained. "In the muscle of affected horses, a point mutation exists in the sodium channel gene and is passed on to offspring."

This gene mutation is not a product of inbreeding, but it became widespread when breeders sought to produce horses with heavy musculature. "While associated with heavy muscled horses, not all horses with well-developed musculature are af-

flicted with the disease," Spier emphasized.

The genetic defect has been identified in offspring of the American Quarter Horse sire, Impressive.

Since Impressive descendants are so numerous, the genetic mutation in the bloodline is widespread. Theoretically, it is possible that other mutations causing HYPP may be difficult to identify because they are not so widespread.

"HYPP is unique in that it is the first equine disease in which breeding and molecular genetics have yielded a specific genetic mutation identifiable with a named bloodline," Spier



Horses affected with the muscular disease HYPP can have severe attacks making them unable to stand. It can be fatal in some cases.

pointed out.

There are many other genetic diseases caused by known mutations at this time. For example,

HERDA, SCID, GBED, and JEB all have genetic tests available so that breeders can avoid undesirable traits. HYPP is considered

an undesirable trait. "We understand more about HYPP than most of

Continued on page 13

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the other equine diseases. We understand the genetics, pathogenesis ... exactly how the mutation affects muscle," Spier described.

Diagnosis of HYPP can be difficult based solely on observance of the horse. There are different indications which can mimic other diseases such as colic.

"Classic signs include periodic attacks of muscle spasm, tremors, weakness and sweating," Spier identified. "During any attack, a horse may have rapid, labored or difficult breathing."

Horses with HYPP can experience unpredictable attacks of paralysis which could lead to collapse and sudden death, usually due to cardiac arrest and/or respiratory failure.

Different horses are affected in various ways. "Under ideal management practices, the defective gene does not appear to have adverse effects, but stress and/or increased potassium in the serum can trigger clinical signs of muscle dysfunction," Spier recognized.

Some horses manifest

acute signs and others exhibit little or none, and research for the reasons is under way. "Unfortunately, a horse carrying the defective gene, but showing minimal signs, has the same chance of passing the gene to future generations as does the affected horse with severe symptoms," Spier verified.

Complicating the discussion, HYPP is an "autosomal dominant genetic trait, which means only one copy of the gene is required to produce the disease, and the disease can occur equally in both sexes," Spier elaborated.

Meanings of different combinations of N and H in relation to horses with HYPP were reviewed. A mare tested H/N means she is heterozygous, or carries one copy of the HYPP gene. Mating her to a normal, N/N, sire will result in a 50 percent chance the offspring will carry the N/N gene and 50 percent chance of the foal being normal.

When the mare is bred to a heterozygous sire, H/N, the offspring will have a 25 percent chance of being normal, 50 percent chance

of carrying the gene (N/N) and 25 percent chance of being homozygous (H/H), carrying both copies of the HYPP gene.

"A carrier of the defect (H/N) is affected with HYPP. These horses can show clinical signs of the disease and can pass the gene on to their offspring," Spier calculated. "Though horses which are homozygous show more severe clinical symptoms, heterozygotes also obtain the disease because it is a dominant trait."

In order to verify if a horse has HYPP, a blood analysis must be performed. In 1996, the American Quarter Horse Association recognized HYPP as a genetic defect or undesirable trait.

To increase public awareness, mandatory testing for HYPP, with results designated on the registration certificate, began for foals descending from Impressive born after January 1, 1998. This laboratory work is done at the University of California in Davis.

Responding to member-

ship requests, the AQHA Stud Book and Registration Committee ruled in 2004 that foals born in 2007 or later that test homozygous affected for HYPP (H/H) will not be eligible for registration.

"Breeders opposed to restrictions argue that the disease can be controlled through diet and medication and that these horses are highly successful in the show ring," Spier said.

For control of HYPP, Spier recommended a regular feeding and exercise schedule and to avoid fasting or water deprivation. Horses do better if allowed an exercise area rather than stall confinement.

Alfalfa mixed with grass or oat hay and fed in equal amounts with oats two or three times daily helps decrease potassium content of the diet. Corn syrup added to rations can be beneficial. Horses often do best on hay or pasture alone.

Horses can be administered the drugs epinephrine or acetazolamide with a veterinarian's prescription to help control

problems.

"In most cases, HYPP is a manageable disorder," Spier contended. "However, recurrent bouts may occur, and severe episodes can be fatal."

"Because HYPP is a dominant trait, all affected horses share the same mutation, regardless of whether or not owners witness symptoms in their horses," Spier acknowledged.

"Affected horses are not suitable for young or inexperienced riders," Spier continued. "Owners of affected horses should advise veterinarians of HYPP status before anesthesia or procedures requiring heavy sedation."

HYPP gene frequency has not changed since the advent of the genetic test 15 years ago. The Impressive horses' success in the halter show ring is the most likely reason that breeders don't select away from the disease.

"However, owners of affected horses should be strongly discouraged from breeding these animals for the long-term health of the Quarter Horse breed and other breeds," Spier challenged.

The Impressive bloodline is immense with a population approaching 400,000. "I'm afraid that in our lifetime, we will not see this disease eliminated," Spier analyzed.

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Mark your calendar today!!! Pictures & descriptions are available online. **THIS AUCTION WILL HAVE ONLINE BIDDING.**

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MONDAY, JANUARY 14 — 10:00 AM

Auction Location: From the OGALLAH, KS. and I-70 Exit # 135, then South on 147 Hi-Way 17 & 1/2 mi. then 1 & 1/2 mi. East. Or from BROWNELL, KS. North on 147 Hi-Way 7 & 1/2 mi. then 1 & 1/2 mi. East.

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SWATHER BALER & HAY EQUIPMENT: New Holland 2550 Speedrower with 2300 series Haybine header 16', Hydrostat, Diesel field ready. Serial (581239); Vermeer 605 Accu Bale Plus round baler; Haybuster Model 256 round bale processor mounted on D-W bale retriever; Vermeer R23A Double Rake, hydraulic driven

TRUCKS: 1989 Volvo truck tractor, single axle, 855 Cummins, Straight 7speed, approx 80,000 miles on new engine.; 1999 Ford F350 XL Super Duty, Power Stroke, 5sp, 4X4, new motor, approx. 10,000 miles with Dew-Eze 475 bed. 1992 Ford F 250, gas, auto trans, 4X4 Dew-Eze Bed; 1997 Chev. 2500, auto trans. 5.7 gas engine, Bessler bed.

TRAILERS: 1999 Neville 48' ground load livestock trailer. 1980 Great Dane flat hay trailer, 40'; 1991 Donahue gooseneck, flat bed, dove tail, with tandem duals 8'X30'; 1977 Donahue gooseneck livestock trailer, 6'8"X 20'.

FARM MACHINERY: Sunflower 3040 Fallow King 32' with conservation treads; Sunflower 1433 double offset disc, 28' with C flex bearing standards; 2-J.D. 8300 16-10" disc drills; Sunflower 5X5's undercutter with Richardson treads

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Auction Sales Scheduled

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

January 1 — Harley Gerdes 23rd annual New Year's Day Consignment auction at Lyndon. Auctioneers: Harley Gerdes Auctions.

January 1 — Tractors, vehicles, trailers, equipment, guns, outdoor items, power tools, tools & misc. at Topeka for Shannon Estate. Auctioneers: Sue Metzger Auctions.

January 1 — 15th annual antique & collectible auction at Tonganoxie. Auctioneers: John Shoemaker Auctions.

January 5 — Household, antiques & misc. at Abilene for Betty Longhofer & others. Auctioneers: Reynolds, Mugler & Geist.

January 5 — Classic automobiles, antique furniture, antiques, collectibles & misc. items at Abilene for Evelyn Cassat Estate. Auctioneers: Yocum Realty & Auction Service.

January 6 — Antique, collectibles & some household at Clay Center for Donna Schuette Estate & others. Auctioneers: Mugler Auction Service, LLC.

January 12 — Farm machinery & misc. SW of Morganville for Fred & Mayalwilda Griffiths. Auctioneers: Kretz & Hauserman Auction Service.

January 12 — Bus & vehicle auction at Lawrence for Lawrence Bus Co., Inc. Auctioneers: Kull Auctions & Real Estate.

January 12 — General household & furniture at Clay Center for E.C. Finger Estate. Auctioneers: Mugler Auction Service LLC.

January 17 — Tractors, combines, harvest equip., farm machinery, trucks, trailers & skid-steer loader at Milton for Fred Holder Estate. Auctioneers: Stock Auctions.

January 18 — Farmland at Green for the Donald Osbourn Estate. Auctioneers: Raymond Bott Realty & Auction.

January 18 — Tractors, combine, harvest equip., farm machinery, trucks & misc. at Belle Plaine for Harlan & Emma Walton. Auctioneers: Stock Auction.

January 19 & 20 — 2 day, antiques & collectibles at Clay Center for E.C. Finger Estate. Auctioneers: Mugler Auction Service LLC.

January 22 — Real Estate at Clay Center for Alwin Trumpp Estate. Auctioneers: Kretz & Hauserman Auctions.

January 24 — Real Estate at Concordia for Georgia Trost Trust. Auctioneers: Larry Lagasse Auction & Real Estate.

January 25 — Farmland at Washington for the Evelyn Pfeiffer Estate. Auctioneers: Raymond Bott Realty & Auction.

January 25 — Farmland at Washington for Orville Loges. Auctioneers: Raymond Bott Realty & Auction.

January 26 — Rescheduled appreciation sale of miscellaneous & guns at Herington. Auctioneers: Bob's Auction Service.

February 2 — Household & antiques at Clay Center for area consignors. Auctioneers: Mugler Auction Service LLC.

February 7 — Flint Hills Ranch at El Dorado. Auctioneers: Sundgren Auction & Realty.

February 9 — Black Hereford Sale at Leavenworth for J&N Ranch.

February 16 — Spring machinery auction at Clay Center. Auctioneers: Mugler Auction Service, LLC.

February 16 — Farm equipment at Vermilion for John Bramhall. Auctioneers: Joe Horigan Auctions.

February 21 — Real estate at Courtland for Ray Nelson family. Auctioneers: Larry Lagasse

Auction & Real Estate.

February 23 — Farm equipment S. of Waterville for Gene & Sandy Harding. Auctioneers: Raymond Bott, Lee Holtmeier & Luke Bott.

February 23 — Antiques, household goods, pick-up at Clay Center for Fred & Mayalwilda Griffiths. Auctioneers: Kretz & Hauserman Auction Service.

February 25 — 52nd anniversary sale at Allen for Vohs Angus Farms.

February 25 — Farm sale N. of Courtland for Dan & Shirley Sandell. Auctioneers: Larry Lagasse Auction & Real Estate.

March 1 — 30th Gelbvieh Balancer & Red Angus bull sale at Pomona for Judd Ranch. Managed by Cattlemen's Connection, Roger Gatz, Hiawatha.

March 8 — 22nd Annual Concordia, Kansas Optimist Club consignment at Concordia. Auctioneers: Kenneth Johnson & Ronnie Lagasse.

March 8 — Consignment auction at Lyndon. Auctioneers: Harley Gerdes Auctions.

March 22 — Farm machinery & miscellaneous SW of Clay Center for Lafe Bertrand. Auctioneers: Kretz & Hauserman.

March 29 — Farm equipment & complete dispersal S. of Clay Center for Walter & Evelyn Mugler. Auctioneers: Mugler Auction Service.

March 29 — Mature cow dispersal & 42nd annual bull sale at Greeley for H&M Angus Farms.

April 5 — Spring machinery auction at Clay Center. Auctioneers: Mugler Auction Service, LLC.

May 26 — 15th annual Memorial Day consignment auction at Lyndon. Auctioneers: Harley Gerdes Auctions.

August 2 — Consignment auction at Lyndon. Auctioneers: Harley Gerdes Auctions.

September 1 — 13th annual Labor Day consignment auction at Lyndon. Auctioneers: Harley Gerdes Auctions.

New DVD and website help farm families cope with arthritis

Free copies of a DVD, "Farming with Arthritis," are now available to help people in the agricultural industry deal with the disease, based on research from the University of Missouri.

The DVD features farm workers demonstrating proper types of movements in completing daily tasks such as building, planting crops and working with farm equipment, said Karen Funkenbusch, director of the MU AgrAbility program.

"This DVD also is a useful tool for physicians and other health-care providers in better understanding the challenges specific to the farming population," she said.

Copies are available by calling 1-877-882-6826 or e-mailing marrtc@missouri.edu. In addition, a new website, "Arthritis, Agriculture and You," offers simple solutions to help farm families cope with arthritis. Topics include community services available, health tips, specially designed ergonomic products and updates on research findings. The site can be found at <http://marrtc.missouri.edu/products/FarmingInfo.html>.

"Arthritis is one of the most common disabling conditions affecting farmers, ranchers and farm workers due to the physical nature of their work, such as driving a tractor, baling hay, moving stock and other activities," said Funkenbusch. "There are many simple solutions that can be made and principles adopted to minimize the physical demands of agriculture-related employment in spite of arthritis."



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FARM & LIVESTOCK AUCTION

THURSDAY, JANUARY 17 — 10:00 AM

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1976 JD 8430 tractor, 4-wheel drive, QR, 3 pt., PTO, 3,500 hrs. on 50 Series motor, duels, all new rubber, tractor has been completely gone through; 1975 JD 4630 tractor, QR, duels, 3,000 hrs. on motor overhaul, 3pt., quick hitch w/ Du-all #3000 loader; 1973 JD 7520 tractor, 4-wheel drive, duels, 4,000 hrs. on engine overhaul, PTO, SR transmission w/ JD 12ft. dozer blade; 1962 JD 4010 tractor, 3pt., PTO, SR transmission, WF, diesel; Ford 8N tractor, 3pt., PTO

COMBINE

1974 JD 6600 combine, 3,406 hrs., hydrostat, 20ft. platform; Big 12 grain cart, 400 bu.

TRUCKS & PICKUPS

1974 Chevy C65 truck, 366 motor, 5x2 spd. trans., 59,766 mi., 16ft. bed & hoist, rollover tarp; 1972 Ford LN 7000 truck, 5x2 spd. trans w/ Oswalt 420 mixer box, scales, good shape; 1958 Chevy truck, 4x2 spd. trans., 6 cylinder motor, 13ft. bed & hoist; 1995 Dodge 2500 pickup, Cummings motor, auto., 4x4, 150,000 mi., flatbed; 1989 Chevy 3500 pickup, dually, 4 spd. trans., 350 motor (new w/ warranty left), flatbed w/ dump; 1982 Chevy 3/4 ton Silverado pickup, 4x4, auto., 6.2 liter diesel motor, 93,759 mi.; 1974 Chevy pickup, 4x4, auto.

TRAILERS

Blair 7x24 gooseneck stock trailer, full top, rubber floor, good shape; Brooks 5x16 stock trailer, full top, bumper pull; Small 2-wheel trailer; 1995 L&M gooseneck trailer, 24' flat deck w/ (2) 7,000 lb. axles; 2005 Wylie 1000 gal. nurse tank trailer, chemical inductor, Honda motor, pump, like new.

FARM EQUIPMENT

JD 7000 Max-Emerge planter, monitor, markers, 8-row; (2) IHC 510 disk drills, 16x10; Quinstar fallowmaster, 28ft. w/ pickers, new blades; Miller 24ft. folding disk; Flex King 5x5 sweep plow w/ Richardson pickers; Big Ox 3pt. blade, 8ft.; JD 5-bottom plow; New Holland #281 small square baler; Farm-hand small bale accumulator; Krause 16ft. chisel plow; JD double tool bar, 20ft. w/ shanks; Crustbuster 35ft. springtooth; Case side delivery rake; Bush Hog 3pt. mower, 5ft.; Tucker 10ft. speedmover; JD 30ft. rotary hoe, 3pt. w/ transports; 18ft. Krause one-way.

LIVESTOCK EQUIPMENT

WW manual cattle chute, self-catching head gate; Poly feed bunks; PAPEC grinder mixer, bale table; 60 bu. grain wagon, pto; 1000 gal. water tank; Palmer 1750 gal. water tank;

3pt. bale fork; 4-wheel hay feeder trailer, (3) bale; (25) B-Bar-D portable panels; Dudry wire roller; (15) metal feed bunks; Miles of barb & smooth wire, stored inside, some new; Shop-built portable corral, (22) panels & trailer; Portable loading chute; Several other portable panels; (4) round bale feeders; 1000 wooden fence posts; (4) stock tanks, (10' - 11'); 2-wheel bale mover; McMillan 3pt. post-hole digger, hydraulic; Farmhand small square bale accumulator, front mount; Lots of wooden fence posts; Solar fence chargers; LP tank heaters; Electric drive-through cattle gates; Lots of chicken feeders; Fencing supplies; Old barn, to be torn down; Bar-6 cake feeder; Metal fence posts.

OTHER FARM ITEMS

Speed King 6"x 34" auger, electric motor; Mayrauth 6"x 34" auger, electric motor; Mayrauth 6"x 15" auger, electric motor; Westfield 8"x 61" auger, pto, hydraulic swing unloading; Westfield hydraulic drill fill auger; (2) 1000 gal. fuel tanks w/ 110 volt pump; 150 gal. pickup fuel tank w/ 12 volt pump; Palmer "L" shaped fuel tank, 12 volt pump; Set of Quinstar harrows, 28ft.; Set of 7x5 Richardson pickers; Some scrap iron; Mayrauth 12 volt drill fill auger; (10) 5ft. sweep blades; 50 gal. fuel tank; Clark 200 gal. spray tank w/ B&S motor & wand; My-D-Handy seed conveyor cleaner; 250 gal. LP tank; Used lumber; Transfer pump w/ B&S motor; Baler twine; Honda Fourtrax 250 4-wheeler; Grasshopper zero-turn riding mower, 54" deck, B&S motor.

SHOP EQUIPMENT

Kato light 25 kw generator, pto; 5000 kw generator, Kawasaki motor; Continental cherry picker; 220 volt extension cords; Chains & boomers; Duff pressure washer; Hein Warner floor jack; Electric hand tools; (4) service station bulk oil tanks, 45-60 gal.; Air grease gun; 3/4" impact sockets & impact gun; 3/4" drive socket set; JD moisture tester; Battery tester; Several parts assortments; Air tools; Tap & die set; Motorola business band radios; Hand tools; Tool boxes; Gear pullers; Pipe wrenches; 5.5 hp Honda motor, new; Gates parts washer; Craftsman bench grinder; Victor cutting torch w/ gauges; Carolina 30 ton press; Lincoln 225 amp welder; Champion 220 air compressor, 80 gal. vertical tank; JD portable air compressor, 110 volt; Coats 310 tire machine, manual; Dewalt cut-off saw; JD battery charger; Rigid pipe threader; Lincoln power grease gun; Shovels, rakes, hoes; Infrared LP heater; Many other items.

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ON THE EDGE OF COMMON SENSE

B.E.L.C.H.

As global warming increases, and most agree it has regardless of the cause, ruminant raisers are going to become conversant in a new field of science called 'Bovine Emissions Lately Considered Hazardous', or B.E.L.C.H.

The study of B.E.L.C.H. will revolve around a simple formula; greenhouse gas emissions per pound of beef produced. It is obvious, if the world truly wanted to reduce methane and nitrous oxide (two of the big three greenhouse gases) they could destroy all ruminants. For the sake of the economy and human survival we should first have a mass eradication of all wildlife species that produce those two gases. From the eland, the mountain goat, and the giraffe to the elk, the llama and the buffalo in Yellowstone Park.

Or, since Carbon Offsets are allowed for coal and oil-driven emitters, we could allow Methane Offsets. For instance, if you normally run 200 cows on

your farm, you could get set-aside subsidies for only running 100 cows. The U.S. Conservation Districts are already able to calculate grazing land CRP payments. They could calculate a B.U.R.P. (Bovine Use Reduction Payments.)

In the meantime global warming should bring longer summers, thus longer grazing seasons. As we do research on B.E.L.C.H., I expect we will discover that the more a ruminant eats, the more methane gas it will produce. So improving the ratio of feed per pound of gain will be stressed. There are many products on the market now in accordance with our desire to reduce methane emissions; growth additives will become mandatory. Grass fat beef would be considered too expensive due to the length of time required to make them tender and the additional number of cattle required to meet the quota. But they might get Methane Offsets to trade against the fuel used to grow and transport grain

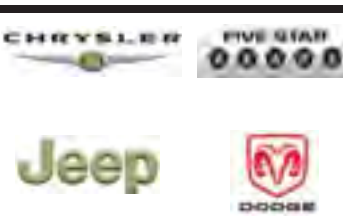

to feedlots.

Another area to consider is palatability. Tenderness derives from two basic factors; youth and marbling. We could mandate that cattle be slaughtered at less than three months of age, following the model of veal which is always tender. That way the critter would not even have to become a serious ruminant.

I expect in the years to come, or until the next ice age prediction, we will develop feed additives which will convert methane into Kool-Aid, a lactobacillus liqueur, or Glade Air Freshener and be considered inert.

Or, we'll develop a use for methane in the cure of cancer or aromatherapy and it will be financially viable to trap all emissions in a cow-shaped polyethylene facemask or a rumen fistula installed in each ruminant at their Bar Mitzvah.

Ah, the possibilities are endless. But I have faith that we as a global community with all our cowboy wisdom and computer models will solve the B.E.L.C.H. problem and move on to other, more pressing issues ... like the Palestinian-Israeli conflict and whether the Cubs will ever win the World Series. Because the alternative is unthinkable ... chicken every night!



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