

Kansas Farmer



CATTLE LIKE THESE have made a good living for the Henry Miller family, Geary county, for 60 years and they will continue to do so, these veteran cattlemen believe.



GARY MILLER, center, hopes to talk his dad, right, and his uncle Howard, left, out of this nice heifer for a 4-H Club project.

These Veteran Cattlemen Say ...

They're Going to "Stick"

THESE are critical times in the cattle business. But cattlemen like Henry Miller and sons, and John Poole, of Geary county, say they aren't ready to give up yet. In fact, it takes a lot to discourage real cattlemen who are set up like these men to handle good cow herds. The Poole family has been raising cattle in the bluestem area of Geary county since 1856. The 2 Miller boys, Dale and Howard, are second-generation cattlemen, and Dale's son, Gary, is looking forward to being a third-generation operator in the cattle business.

On the Miller Ranch a herd of about 100 Hereford cows is carried. Twenty of these are registered and the rest are grade cows sired by registered bulls. The best registered bull calves are sold as breeding stock.

The ranch has 1,600 acres of owned and rented land. Nearly 1,000 acres are in pastures with 600 acres of crop and brome grass.

Dale Miller says the Miller family has handled a cow herd for at least 60 years, and has always used registered bulls. Size of the herd has been constantly increased, too. Twenty years ago the ranch had 50 to 60 head. Ten years ago [Continued on Page 22]



IT TAKES 14,000 bales of hay to winter the 250-cow herd of Herefords on the John Poole Ranch, Geary county. Mr. Poole has built the herd up from 25 cows.



THIS BEAUTIFUL farm home on the John Poole Ranch, Geary county, indicates the soundness of the cattle business over a period of years.

- What We Know About Fertilizers.....Page 6
- Can Choice Grasses Survive?.....Page 8
- New Way of Selling Poultry.....Page 12

PHILLIPS 66 AMMONIUM SULFATE

*Builds
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**Use this high nitrogen fertilizer
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Boost your crop yields per acre next year by fertilizing this fall with Phillips 66 Ammonium Sulfate. Do it before or as you turn under stalks, cover crops and stubble. When you turn under nitrogen and other plant foods along with these crop residues you build up the organic matter in your soil, and provide for a bigger crop next season. You get back the nitrogen in your Ammonium Sulfate *plus* the nitrogen and other plant foods in the decayed crop residues.

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Available Now!

Fall application of nitrogen. Apply up to 80 pounds of nitrogen (400 pounds of Phillips 66 Ammonium Sulfate) per acre on fields to be planted in the spring to corn, sorghum, or other row crops. Nearly 25 pounds of nitrogen is needed in your soil to decompose each ton of turned under crop residue. An 80 bushel corn crop will leave up to 3 tons of dry matter per acre—stalks, leaves and dry roots—to be returned to the soil. You'll be ahead if you apply Phillips 66 Ammonium Sulfate in the fall of the year after harvest or before planting.



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JOHN GOES TO VISIT IN INDIA

Finally we are on our way. The 10 boys in our group represent all types of American agriculture

Remember, Kansas Farmer promised to bring you letters from 8 of our Kansas 4-H'ers who are spending some time on farms overseas this year. Here is the first letter from John Ferrell, of Mt. Hope, in Sedgwick county, who has gone to India.

DEAR MR. GILKESON: We 10 American IFYE's are finally bound for India. We sailed out of New York the morning of August 21, and every one of us stayed up on deck until the old lady had slipped past.

Since our IFYE program is a bit different, I will try to explain the plan. The Ford Foundation, in co-operation with the National 4-H Foundation, sponsored this exchange, wanted it to be a person-to-person, locality-to-locality program. Thus every American boy who is going overseas, lived with one or more of the Indian fellows in our country. There was a conference of the 10 Americans and 30 Indians held at Kansas City late in July. The orientation was very intensive, especially that concerning Asiatic foreign policy.

Since we are all going to the same country I think a word about the other boys is in order. Their names are Fred Funk, Duane Traylor, Bob Bogwell, Larry Saccharino, Jim Pedersen, Don Kvsnicka, Dave Dowler, Harry Rittenhouse, Bill Cooper and myself. They come from Kansas, New Mexico, Minnesota, Ohio and Utah in the order of their names. These boys are from ranches, wheat farms, truck gardens, the corn land and dairy centers, so I think there is a good cross-section of American agriculture. This ship has very good accommodations and the service is terrific, but our cabin is not too roomy. That is to say, when 3 of us



JOHN FERRELL
Mt. Hope, Sedgwick County

are in, 2 are lying down. There are 336 passengers in the tourist class, of which 95 per cent are Israeli pioneers, 4 per cent Italians returning home and 1 per cent American IFYE's.

One thing, when we were taking our final orientation in Washington, D. C., the Indian ambassador, G. L. Metha, had us in to tea. You can imagine what it was like to see 10 great big farm boys balancing teacups and nibbling wafers.

Today we passed the Azores. I never thought I would be so glad to see a bunch of barren rock, but tomorrow we touch Gibraltar and then into the Mediterranean sea. When we reach Genoa we will have a chance to see some of the art about which we have always studied.—John Ferrell.

COMING EVENTS

September 20-25—Kansas State Fair, Hutchinson.

September 20-25—80th anniversary of introduction of Aberdeen-Angus cattle to America, and National Angus Show and Sale, Kansas State Fair, Hutchinson.

September 21-22—Midwest Poultry Breeders' Conference, St. Paul campus, University of Minnesota.

September 22-24—St. Joseph Interstate Baby Beef and Pig Club show, St. Joseph, Mo.

September 24-26—Anderson County Kincaid Free Fair, Kincaid.

September 24-26—Annual convention of the National Flying Farmers' Association, Wichita.

September 26—Elk county 4-H Club cherry pie baking contest, USDA building, Howard.

September 27—Cheyenne county district outlook meeting with Ray Hoss and Norman Whitehair of KSC assisting, Colby.

September 28—Kansas Sweet Potato Field Day, Manhattan.

September 28—Osage county livestock tour.

September 29—Doniphan county soil conservation field day, time and place to be announced.

September 29—Osage county home demonstration achievement day, Osage City.

September 30—Russell county terrace construction and maintenance demonstration, time and place to be announced.

September 30—Brown county farm management field day.

September 30-October 2—Clay County Farmers Institute and Free Fair, Wakefield.

October 1—Miami county beef tour.

October 1—Pottawatomie county land judging school, Westmoreland, 1 p. m.

October 1-3—Morton County Fair, Elkhart.

October 1-3—Chautauqua County Free Fair and Reunion, Sedan.

October 2—Nemaha county dairy tour, time and place to be announced.

October 2-3—Shawnee County Auburn Grain Fair, Auburn.

October 3-10—41st National Dairy Cattle Congress, Waterloo, Ia.

October 3—17th Annual USDA Range Field Day, Southern Plains Field Station, Woodward and Fort Supply, Okla.

October 3—Wabaunsee county feeder calf sale, Alma.

October 5—Johnson county Soil Conservation Service field day, 10 A. M.

October 5-7—National FFA judging contests, Waterloo, Ia.

October 6—Annual district turkey meet sponsored by the Kansas Turkey Federation, Marysville.

October 7—Annual district turkey meet sponsored by the Kansas Turkey Federation, Paola.

October 7—Jefferson county Soil Conservation Service field day, time and place to be announced.

October 7—Cheyenne county fall crops and conservation tour with Frank G. Bieherly, Wal-

ter E. Selby and Harold G. Gallaher, Extension specialists, assisting at St. Francis.

October 7—McPherson county dairy tour.

October 8—Annual district turkey meet sponsored by the Kansas Turkey Federation, Fredonia.

October 9—Annual district turkey meet sponsored by the Kansas Turkey Federation, Newton.

October 9-10—Miami county lesson on correct lighting, Paola.

October 9-11—"Cavalcade of Kansas" pageant, Wichita.

October 10—Phillips county 4-H Club leader training school, Agra High School, 1:30 P. M.

October 10-17—International Dairy Show, Chicago amphitheater.

October 11-15—National Association of County Agricultural Agents' Convention, Philadelphia.

October 12—Jackson county unit achievement program, Holton, 8 P. M.

October 12—Dickinson county State Berkshire sale, Abilene.

October 13—Woodson county district outlook meeting, Iola.

October 13-15—National FFA Convention, Kansas City, Mo.

October 14—Woodson county district information school.

KANSAS FARMER

Continuing Mail & Breeze

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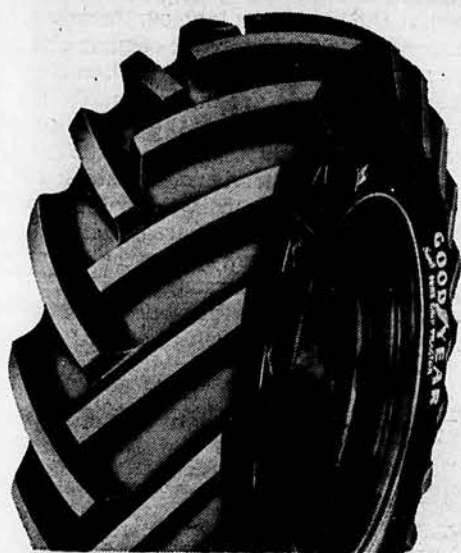
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THE COLLEGE OF AGRICULTURE
MANHATTAN

*There's
no pull
like this
STRAIGHT
pull!*

**TOUGH JOBS
PROVE IT!**



SUPER-SURE-GRIPS, made only by Goodyear, have o-p-e-n c-e-n-t-e-r tread with deep, rugged, ruler-straight lugs. They transmit your tractor's pulling power straight to the soil, hold that soil in place with Goodyear's exclusive wedge-in action — boost you through a better day's work than you ever thought possible!

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SUPER-SURE-GRIPS cost no more — so why shouldn't you have them too? Goodyear, Farm Tire Department, Akron 16, Ohio.

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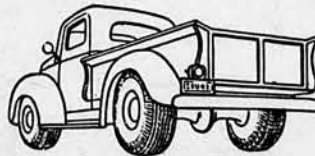


2. O-P-E-N C-E-N-T-E-R pioneered by Goodyear. Farm experience proves it bites deeper, sharper—pulls better—when combined with straight lugs!



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FIRST in Traction • FIRST in Long Wear • FIRST in Popularity!

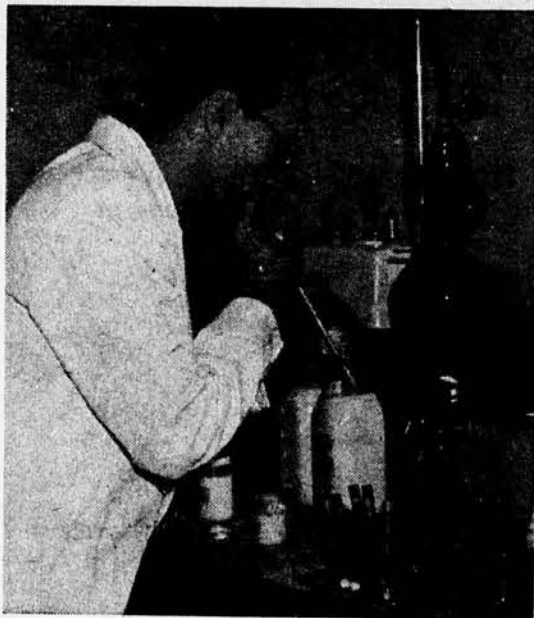
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SUPPORT YOUR
SOIL CONSERVATION
PROGRAM"**

We think you'll like THE GOODYEAR TELEVISION PLAYHOUSE — every other Sunday—NBC TV Network



QUALITY OF PASTURIZATION of milk is being tested by William Paschal, bacteriologist in charge of the dairy division of the laboratory. He formerly was with the Douglas County Health Department.



MAKING A bacteriological count on a milk sample is Mary Lou Mispagel. The dairy division is being expanded to include new and more numerous tests, according to board officials.



FEED SAMPLES being examined by Earl D. Avery, microscopist, for possible adulteration. This is one of new services now possible in the new State Board of Agriculture testing laboratory.

State Board of Agriculture's New Agricultural Testing Laboratory Is...

A Big Step Forward!

By DICK MANN

A BIG STEP forward in the service to Kansas agriculture was taken by the State Board of Agriculture when it moved into its recently completed modern agricultural testing laboratory on the grounds of the Topeka State Hospital.

"For the first time," says Roy Freeland, secretary of the board, "we now have all of our state testing work under one roof." In the past, he explains, the board has had to farm out most of its testing work to various departments at Kansas State College, Manhattan, and to commercial laboratories in Topeka and elsewhere. As you know, the board is charged with administering many laws controlling dairy products, livestock and poultry feeds, livestock remedies, fertilizers, agricultural seeds, insecticides, and various other items that go to make up the billion dollar a year agricultural industry of Kansas.

"Under our new setup," says Mr. Freeland, "we will make more types of tests than previously on dairy products and a higher volume of tests on all products coming under our responsibility. By stepping up the volume of tests we believe we can do a better job of protecting buyers of these products, as well as the reputable manufacturers and dealers. We also believe that centralized testing will speed up some of our testing services."

Mr. Freeland was quick, however, to praise the testing work that has been done in the past by Kansas State College and by private laboratories. "In the many court cases we have entered these tests never have been found inaccurate," he explains. "That is a record we hope we can maintain in the new laboratory."

"We also hope," says Mr. Freeland, "that farmers visiting in Topeka will take the opportunity to visit the new laboratory. They always

will be welcome there and Marvin L. Schreiber, director, will be glad to explain the various activities."

The importance of the state laboratory to agriculture in Kansas is explained by Mr. Freeland this way: "Kansas farmers buy nearly one million tons of feed each year and it is our job to see that the feed is as labeled. Farmers also use more than 250,000 tons of commercial fertilizers a year and some 12½ million bushels of agricultural seeds are sold annually in the state. On top of that there is the 87 million dollar annual dairy products business, the insecticides, agricultural chemicals, livestock remedies, etc. Still in addition is the job of supervising all weights and measures, including all types of containers and packages in which products are sold to or among farmers."

Size of the new laboratory building is 80 by 135 feet. It is

[Continued on Page 22]



HERE LOREN DELP, assistant chemist at the state laboratory, is weighing a sample of feed prior to actual testing of the feed. Accuracy in the samples insures a better test.



THIS COMPLEX equipment is used to test feeds for protein content and fertilizers for nitrogen content. Getting some tests ready are Glen W. Wren, left, and Marvin L. Schreiber, laboratory supervisor.



SAMPLES OF MILK are being prepared for testing here by Mary Lou Mispagel, left, and Mrs. Fay Long. Tests on milk and milk products help protect the dairy industry and consumers.

Kansas Farmer

News and Comment

Here's a Turkey Idea

ARE TURKEYS your problem? Here is the current picture. Number being raised this year on Kansas farms is estimated at 668,000 or 10 per cent fewer than last year, and 20 per cent below the 10-year (1940-49) average of 837,000, according to the Kansas State Board of Agriculture.

Losses of young turkeys were light this year, the birds have developed well, and growers expect to market 28 per cent of their crop before the end of October, an unusually large percentage, the Board states. Expected marketings other months are: November, 45 per cent; December, 23 per cent; January or later, 4 per cent. Last year marketings ran like this: October or earlier, 25 per cent; November, 37; December, 33; January or later, 5 per cent. In the U. S. farmers are raising 55,746,000 turkeys this year, 8 per cent less than last year. Small varieties decreased 11 per cent and large varieties 7 per cent.

If you are in the turkey business, you won't want to miss the article in this issue on "Selling Turkey by the Part." Results of this experiment have pleased producer and consumer alike. You will find the article on page 12 in this issue of Kansas Farmer.

Answering Wheat Questions

THERE STILL SEEMS to be some confusion about the new allotment and marketing quota program on wheat. Here are a few statements from the State PMA office, Manhattan, that may clear up any question you still have.

1. You do not have to get advance permission from the local PMA committee to seed your allotment acres.
2. If you seed only your allotted acres you can market all wheat those acres produce at the full support price.
3. If you are in a drought-designated county and want to seed wheat on excess acres above your allotment for use as a cover crop, pasture, hay or silage you can do so; but before you seed you must get permission from your local PMA committee and be prepared to show them a map of your farm designating the exact location of the acres you want to seed in excess of your allotment.
4. If you get permission to seed in excess of your allotment and see to it that wheat on those excess acres is not allowed to mature, you will suffer no penalty.
5. If you let your excess acreage mature and harvest that wheat, then before any wheat on your farm can be sold, your local PMA committee must set a marketing quota for your farm. This marketing quota would be established by multiplying the number of your allotment acres times the average yield on the farm.



"But I wait for you when you're late."

As an example, if your allotment was 100 acres and your past average yield 10 bushels, then your allotment quota would be 1,000 bushels.

6. If your total wheat yield (allotment acres plus your excess acres) fell below your marketing quota you could sell all of it without penalty. As an example, if you seeded 150 acres (50 acres over your allotment) and all 150 acres were harvested but produced less than 1,000 bushels, you would suffer no marketing penalty.

7. If harvesting wheat on excess acreage put your total yield over your marketing quota (above 1,000 bushels in the example used here) then you must store the excess under bond to your local PMA committee, or take a penalty of 45 per cent of the May, 1954, parity price. None of your wheat could be marketed until you met one of these 2 requirements.

An Efficient Little Bug

LIGHTNING BUGS are on the way out for the season, but this may interest you. They are efficient producers of light, according to General Electric scientists, but it would take 1,000 to 2,000 of them to illuminate a room to the same intensity as the light from one candle.

Using intricate laboratory apparatus, including a photometer and an oscilloscope, they determined the average light output of all fireflies measured was only 6-thousands of a lumen, and that the brightest produced 9-thousands of a lumen.

The lumen, it is pointed out, is a standard measure of light. The 60-watt inside-frosted bulb you use in your home produces 835 lumens, and it would take more than 137,000 average lightning bugs, all flashing simultaneously, to give out as much light. Incidentally, there are "firefly lamps" on the market now. You attach them to electric appliances, wall switch plates, radios, floor lamps so when you walk into a dark room at night you will see immediately where to aim your steps, even if you do fall over the children's playthings in the middle of the floor in the process of reaching the light.

A lightning bug story that tickled us: Seems 2 men fishing were pestered all day with mosquitoes. Hoping to escape them they went out again after dark. "It's no use," said one man to the other, as the lightning bugs began to fly about, "here they come hunting us with lanterns."

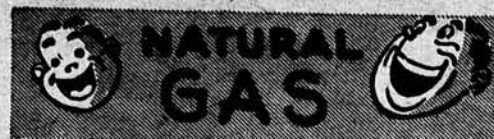
Treated Seed Will Pay

ALL WHEAT SEED planted this year in Kansas should be treated, according to Claude King, Extension plant pathologist, Kansas State College, Manhattan. Two reasons, an increased stand of 7½ per cent with treated are given by the specialist for treating wheat seed.

Tests over 4 years at K-State showed an increased stand of 7½ per cent with treated seed. This means that \$5 worth of Ceresan M or Panogen takes the place of \$15 worth of seed. Iowa State College tests have given an increased yield of 1¼ bushels of wheat per acre with treated seed. This is a return of \$200 from each \$5 spent for Ceresan M or Panogen.

If seed wheat is not treated, King believes in 10 years there will be an alarming amount of stinking smut in Kansas wheat. He states more reports of the disease were received this year than in the immediate past. This means there may be considerable hidden infection in wheat for seeding this fall.

King comments if suitable custom equipment is not available an auger loader can do a satisfactory job of mixing the fungicide with the seed, as explained in your Kansas Farmer for September 5. A hole can be made on top of the



"They say it takes a baby about 18 months to learn to talk, and about 50 years to learn when to keep his mouth shut."

"Mother: I told my little boy to bring home 4 pounds of cookies, and the sack you sent only weighs 3 pounds."

"Grocer: I'm sure I put in 4 pounds, madam. If you've weighed the sack, I suggest you now weigh the little boy."

"Banker: You'll have to be identified before I cash that check. Got any friends in your camp?"

"Soldier: I should say not. I'm the bugler!"

"I got a 3-season bed in my bunkhouse. One with no spring."

"Doctor says if you worry too much, there's something to worry about."

"Lots of water in that ocean."

"That's nothing. You've just seen the top of it."

"If the children don't mind, just switch their attention."

"Pardon me. Switch their what?"

auger tube and a short piece of pipe welded into the hole to give a piece extending upward. A funnel can be placed in the pipe and the Ceresan M or Panogen fed in each time a bushel or two of wheat passes the funnel. King explains that rate of adding the chemicals can be easily calculated by knowing about how many bushels per hour the auger moves. A threaded cap should be used to cover the pipe when not used for treating seed.

Feeding Value Twice as Much

NEARLY ALL the forage crop in Kansas should go into silos this year, Frank Bieberly, Extension agronomist at Kansas State College, said.

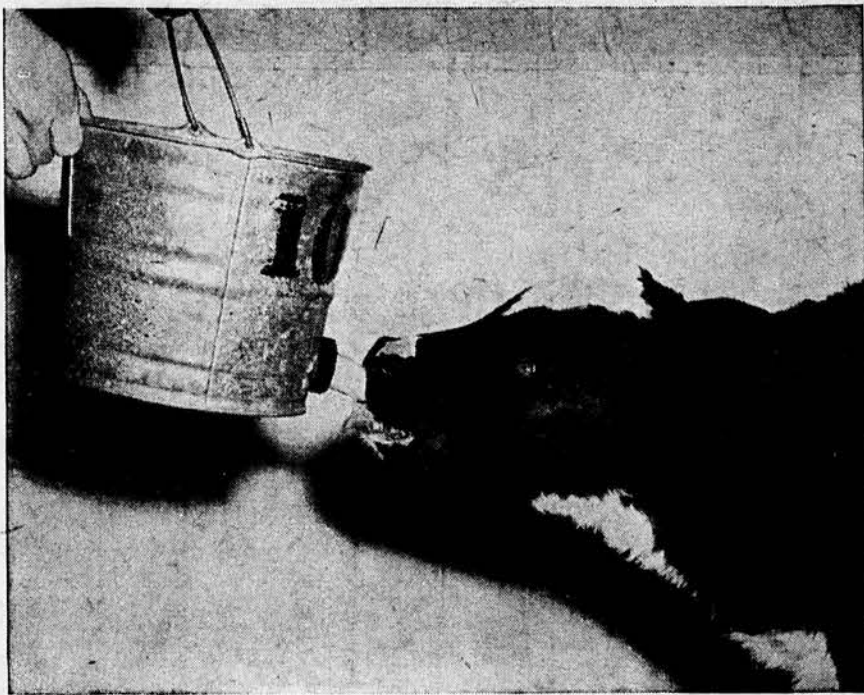
Feeding value of ensilage is twice as much as the same feed in bundles, Bieberly said. He based his statement on results of K-State experiments at the Fort Hays branch experiment station. In addition to doubling the feed value of forage, it can be kept from year to year in a silo. Some Western Kansas farmers have kept feed in silos 10 years with no loss of feeding value, and the branch experiment stations have kept it longer.

Both corn and sorghum silage have been kept 15 years at the Colby branch station. Further, Bieberly said, pit, trench, and upright silos are equally successful for storage of the forage feeds.

If you have meager crops you can double their value by ensiling them.



"Look, Mom!—Enough toast to us a week."



What About Calf Milk Replacer?

Many say it can be the most profitable 35 lbs. of dairy feed you can use.

BY WALTER J. LEEDS

A surprising number of people still aren't using a milk replacer for starting calves. Why not?

In talking with farmers I learned that many of them haven't thought seriously about the economy advantages of a milk replacer. Some didn't know how easy they are to feed, and others didn't know how they help get "milk-fed bloom" without much whole milk at all.

Actually, if you feed the right milk replacer, it may be the most profitable 35 lbs. of dairy feed you can use.

One new product introduced by Nutrena Mills certainly fits into this class. It is called Caf-O-Life Milk Replacer and is made from highly digestible nutrients, 95% of them obtained from milk sources. Plus that—it's stepped-up with important vitamins and an antibiotic—which, of course, is not found in whole milk.

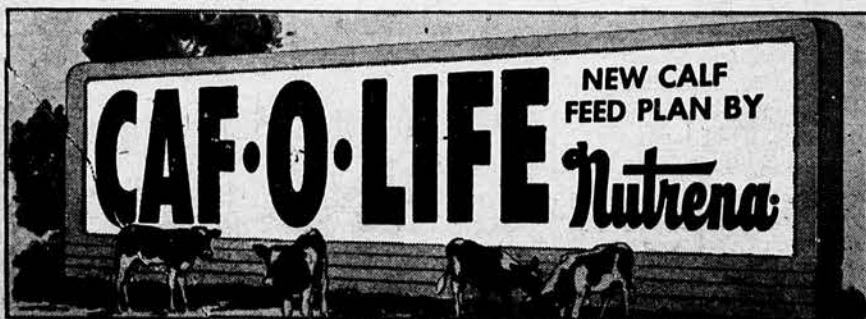
You are asked to compare this new Caf-O-Life Milk Replacer with any milk-feeding program you have ever used. You need only 35 lbs. of Caf-O-Life Milk Replacer per calf from 4 days to 5 weeks.

Feed it according to directions. If not completely satisfied, send sales slips and empty bags within two weeks after the end of the test to Nutrena Mills, Minneapolis, Minn. The entire cost of the Caf-O-Life Milk Replacer will be refunded.

So, whether you have used a milk replacer or not, why don't you try new Caf-O-Life Milk Replacer on your fall calves? Get acquainted with this economical, simple way to raise "milk-fed" calves while selling practically all of your milk. (35 lbs. safely replaces 270 lbs. of whole milk in just the first 5 weeks.)

Caf-O-Life Milk Replacer is part of Nutrena's completely new, 3-feed calf raising plan. The three Caf-O-Life feeds are built to give your calves the low-cost growth power made possible by modern feed science.

See your Nutrena dealer about all 3 of these powerful new feeds—Caf-O-Life Milk Replacer, Caf-O-Life Starter Pellets and Caf-O-Life Grower Ration. Why not see what they can do for your calves this fall. (ADVERTISEMENT)



Article No. 1 in special series on . . .

What We Know About Fertilizers And How They Increase Production

By M. H. McVICKAR, Chief Agronomist, The National Fertilizer Association

Q. What are chemical fertilizers?

A. Broadly speaking, any chemical compound used for supplying one or more of the essential plant-food elements is a chemical fertilizer. Insufficient quantities of 3 plant-food elements—nitrogen, phosphorus and potassium—are often present in our soils for efficient crop production. Thus, most chemical fertilizers supply one or more of these so-called primary plant-food elements.



M. H. McVikar

Q. Are chemical fertilizers composed of pure nitrogen, phosphorus and potassium?

A. No. Pure nitrogen is an inert gas. Both phosphorus and potassium in the pure forms burst into flames when exposed to air and water. Therefore, all 3 of these primary plant-food elements must be tied up with other compounds to make them stable and usable as fertilizer. The fertilizer industry "fixes" nitrogen from the air and combines it with other elements to make stable nitrogen fertilizer. Nature has laid at man's disposal large deposits of mineral ores containing phosphorus and potassium. These are refined and processed by the fertilizer industry to make fertilizers containing phosphoric acid and potash.

Q. What's the difference between phosphorus and phosphoric acid and potassium and potash?

A. The fertilizer industry uses the terms phosphoric acid and potash. Phosphoric acid, often referred to as P_2O_5 , means a combination of 2 atoms of phosphorus combined with 5 atoms of oxygen. Potash, chemically designated as K_2O , means a combination of 2 atoms of potassium combined with 1 atom of oxygen.

Q. What are some of our common nitrogen fertilizers?

A. The more common ones are ammonium nitrate, ammonium sulfate,

ammonium phosphate, cyanamid, nitrate of soda, urea and anhydrous ammonia. All of these materials are made synthetically. In addition, nitrate of soda also is imported from natural deposits found in Chile.

Q. What are the more common fertilizer materials supplying phosphoric acid?

A. Most of the fertilizer phosphoric acid is in the form of superphosphate. There are 2 kinds of superphosphate. Normal superphosphate carries 20 per cent phosphoric acid, while concentrated superphosphate contains 40 to 45 per cent phosphoric acid. Normal superphosphate is often referred to as single strength superphosphate, and concentrated superphosphate is often sold as double superphosphate, triple superphosphate or under a trade name of treble superphosphate. Other sources of fertilizer phosphoric acid are ammonium phosphate and liquid phosphoric acid; a new source, nitraphosphates, will soon be on the market. Our natural deposits of phosphate rock are processed in different ways to make the various phosphatic fertilizer materials.

Q. What materials provide our potash fertilizers?

A. By far the greatest portion of our potash is supplied by the one material, muriate of potash. This is a chemical compound composed of potassium and chlorine. In addition to muriate of potash, sizable quantities of sulfate of potash are used. As the name implies, this material contains sulfur as well as potassium. There also is a third element, oxygen, tied up in the combination. Likewise, nitrate of potash is used in considerable amounts.

Q. What are mixed fertilizers?

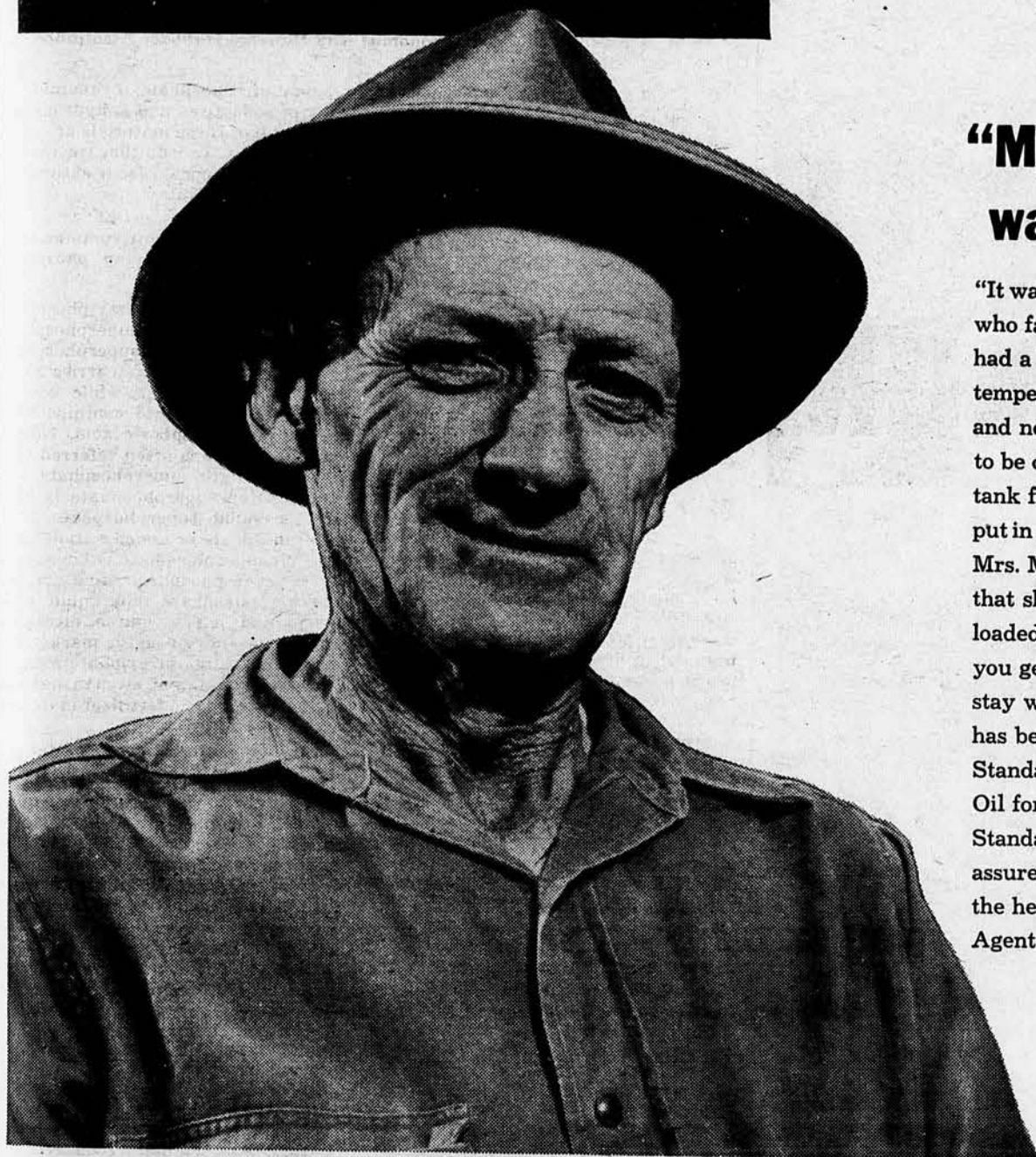
A. As the name implies, mixed fertilizers are those that supply at least 2 of the 3 primary plant foods. As previously mentioned, the 3 primary plant foods are nitrogen, phosphoric acid and potash. A complete mixed fertilizer supplies all 3 primary plant foods, while an incomplete mixed fertilizer supplies just 2 of the 3. For example, a fertilizer supplying only nitrogen and phosphoric acid is an incomplete mixed fertilizer.

SET NATIONAL 4-H SALE RECORD



WINNER of grand championship honors at Narka 4-H 4-county Fat Barrow Show, August 10 to 12, was Paul Novotny with his 210-pound Duroc fat barrow shown here. The champion set a national 4-H sale record with \$561, or \$2.68 a pound, dressing out 79 per cent. Paul is a member of Narka 4-H Club, Republic county. Kansas Farmer for July 18, 1953, brought you a complete story on this event.

FARM NEWS GRAPHIC



"My first thought was Bob Morgan"

"It was late at night and cold," says Victor W. Bauer who farms near Jefferson, Wisconsin. "We'd had a long stretch of cold weather. When the temperature suddenly dropped to around 20 below, and no let-up in sight, I began to think that to be on the safe side I'd better have a full fuel oil tank for the days ahead. So, late as it was, I put in a call for Bob Morgan, my Standard Oil Agent. Mrs. Morgan said he was uptown bowling but that she could reach him. And she did. He loaded his truck and drove right out. When you get service like that plus quality products, you stay with them!" And Mr. Bauer does. He has been using Standard Oil products, including Standard Heater Oil and STANOLEX Furnace Oil for many years. We think you'll find that a Standard Fuel Oil Agreement is the smart way to assure a dependable supply of fuel oil clear through the heating season. Sign with your Standard Oil Agent today and let him do the worrying.



Here's the hero of the midnight delivery

Standard Oil Agent Bob Morgan looks on while Mr. Bauer signs for his September fill of STANOLEX Furnace Oil. Mr. Bauer says, "Taking a fill now puts me ahead of the weather." Agent Bob Morgan's friendly and dependable service are big reasons why Standard has so many long-time friends. And there's a Standard Oil Agent ready to deliver the same top service to you.



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Working 250 acres alone is no easy job. But Farmer Vic Bauer, above, uses plenty of power equipment. He counts on RED CROWN to get the most out of it. On Standard oils and greases to keep it in top shape. "Red Crown gives me smooth, dependable power, even under full loads," says Mr. Bauer. "And it delivers that power economically."

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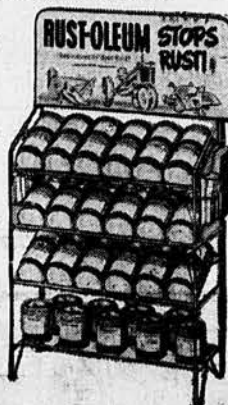
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What Happens to Choice Grasses Under Various Grazing Practices?

TWO YEARS of dry weather are bringing out some definite trends in effects of various grazing and burning practices on the grass utilization pastures at the Kansas Experiment Station, Manhattan. This fact was disclosed at the annual fall agronomy field day at the station by Kling Anderson, in charge of grass work.

"Our pasture experiments are beginning to show definite trends following 2 seasons of drouth," said Mr. Anderson. The grazing and burning experiments are 4 years old now, but the first 2 years they were conducted under favorable moisture conditions.

"What we are trying to do," said Mr. Anderson, "is to find out what happens to the better grass species under various grazing and burning practices. Will the good grasses increase, hold their own, or lose out and become replaced with poorer grasses and weeds? Under what conditions do the good grasses cattlemen want in their pastures actually increase in population."

Grazing experiments are being carried on at 3 rates of stocking—heavy, medium and light. Medium stocking is 18 to 20 yearlings (depending on their size) to each 60 acres of grass. Heavy stocking is 50 per cent above that number, and light stocking is 50 per cent below.

Uses 3 Pastures

Another experiment on deferred grazing uses 3 pastures in rotation. Under medium stocking all cattle are put on 2 of the 3 pastures while the third is held open for a 2-month period at the start of the grazing season. Then all the cattle in the 2 pastures are put on the third pasture for the final month. "We want to find out," says Mr. Anderson, "whether pasture rested the first 2 months can store up enough food to carry the load during the last part of the grazing season when cattle need a fresh source of food. When we find that the pasture is not quite doing the job we open gates to the other 2 pastures so cattle can get enough."

Burning practices common in the Bluestem area of Kansas also are being studied. Pastures burned early are compared with those burned late and those burned at a medium or in-between date.

"In all these studies," says Mr. Anderson, "we divide grass populations in the pastures into 2 groups—species that suffer most under grazing pressure because cattle prefer them, and those that increase because they are not grazed as heavily."

Under normal rainfall conditions from 1947 to 1951 the better grasses increased under all practices and then began to level off. The poorer grasses decreased during that period then leveled off in 1951.

Since 1951, however, the heavily grazed and even moderately grazed pastures have shown some depletion of the better grasses and increases in the poorer grasses. The lightly grazed and deferred grazed pastures are still continuing to improve as to choice grasses despite the drouth.

Burning of pastures the last 2 dry years has caused some depletion in the better grass strains regardless of time of burning. "But," says Mr. Anderson, "the real heavy damage was done by early burning. Grass that is burned early in a dry season suffers double damage. First, it grows quickly after burning, thus using up more surface moisture than it normally would while the soil itself is subject to additional evaporation effect. Then, when the young grass is up the cattle graze it down too much. This combination of loss of moisture plus overgrazing is too much for the better grasses and they die out."

Would Defeat Purpose

"Farmers will be defeating the purpose of the wheat allotment program if they seed other grain crops on acreages not used for wheat," said Dr. H. E. Myers, associate director of the Kansas Experiment Station, in his talk to agronomy day visitors. "The total purpose of the wheat allotment program is to reduce grain supplies," said Doctor Myers. "If farmers increase their acreage of corn, oats, barley and sorghum grains they will be adding to the total grain supplies and the allotment program will be a failure."

Farmers in Eastern Kansas, he believes, should put their extra acreage to legumes and grasses—preferably alfalfa and brome grass. Those in Western Kansas should substitute forage sorghums and fallow.

Roscoe Ellis, of the agronomy department, told visiting farmers that a change is being made in the phosphorus tests in the Kansas soil-testing program to give what they believe will be more accurate results. He also announced that Bob Bohannon, formerly county agent in Nemaha county, has been hired as an Extension specialist to work with county soil-testing laboratories to improve testing. Mr. Bohannon also will spend time doing soil-testing research at the college. He got his bachelor's degree in soils from Michigan State College, has a master's degree from Kansas State College and is working on his doctor's degree at the University of Illinois.

A tour of the various test plots on the college agronomy farm disclosed that almost everything on the farm suffered severely from the drouth this past summer. Especially noticeable was damage due to close spacing of sorghums.

BIG HELP WITH LEGUME SEED



SELF-PROPELLED combines with pickup attachments have been a big help in legume seed harvests in Kansas. This scene was taken on the Stacy Judy farm, Reno county, during a harvest lull. Seed was running about 3 bushels an acre.



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Thoughts TO LIVE BY

"A Bunt"

"CONGRATULATIONS, Hank, you sure caught them flat-footed." Such were the greetings Hank Swinney received from his fellow students at Bigsby. Why? That very afternoon, Bigsby had clinched the championship in a game with its rival, Crane Tech. And it was Hank's bat that brought the silver ball to Bigsby's trophy case.

In the second inning, he drove the third pitch into the right field bleachers. But it was when he came to bat in the seventh inning he faced his big opportunity. A hit would raise his batting average to 300. Another home run would give him the collegiate record of 12 for the season. This was the big moment for his team, too. Jones had opened the inning with a triple down the left field line. Alexander fouled out to the catcher. After hitting 5 fouls, Smith was walked. With Jones on third and Smith on first, with one out and the score tied 1-1, Hank approached the plate. The fans went wild.

Out of the babel of sounds, one could catch these encouraging words, "Do it again, Hank, do it again." And Hank meant to. He gripped that bat as if he intended to smash the ball. The first pitch was low and inside. Then the pitcher picked up the rosin bag and threw it down again. He took his position, stretched, and wheeled, tossing the ball to first. He was careful with Jones on third not to throw the ball away, but he wanted to keep Smith near the bag.

The next pitch broke outside. Two balls, no strikes. Hank looked at the coach down the third base line. No! It couldn't be! But Smith was repeating the signal so Jones would be sure to catch it. The infielders obviously didn't expect a bunt. With the count against the pitcher, the coach figured he would surely try to

get the next one over. Hank thought about the 300 average. Should he ignore the signal and try to kill the ball? But Jones would break for home with the pitch! A long fly would cross him up. The team was asking for a sacrifice. He stared at the ground for a moment. Then he acknowledged the signal, stepped into the box, and took his home run stance.

Jones started with the pitcher's motion. He was half way home when the ball reached the plate. Hank's bat met it very lightly. The ball dribbled down toward first. The surprised first baseman charged in, but he was too late for a play at the plate. He whirled and threw to the second baseman covering first. Hank was out by a step. The squeeze-play ruined his personal chances, but it scored a run for his team. That was the end of the scoring. Bigsby won 2-1. The victory hinged on his sacrifice.

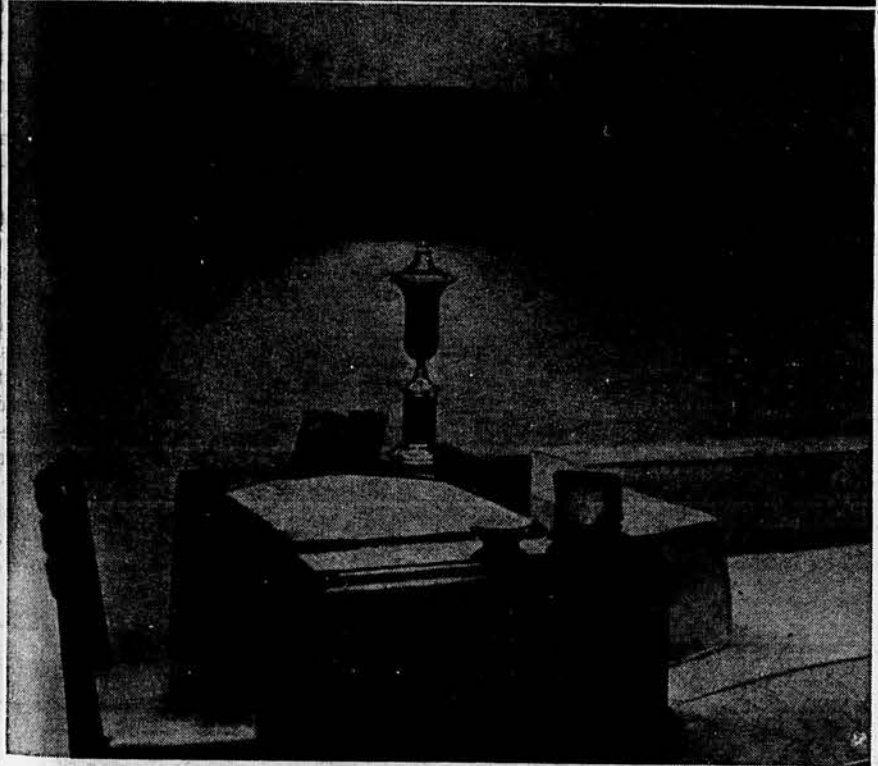
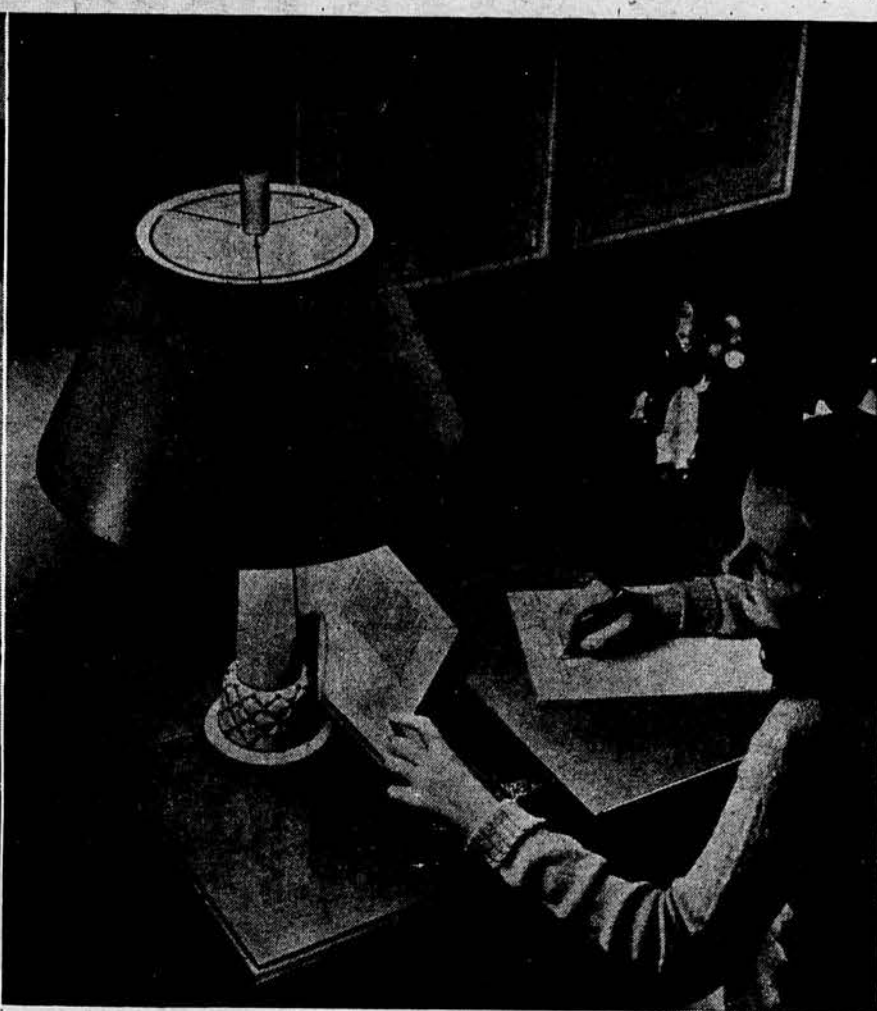
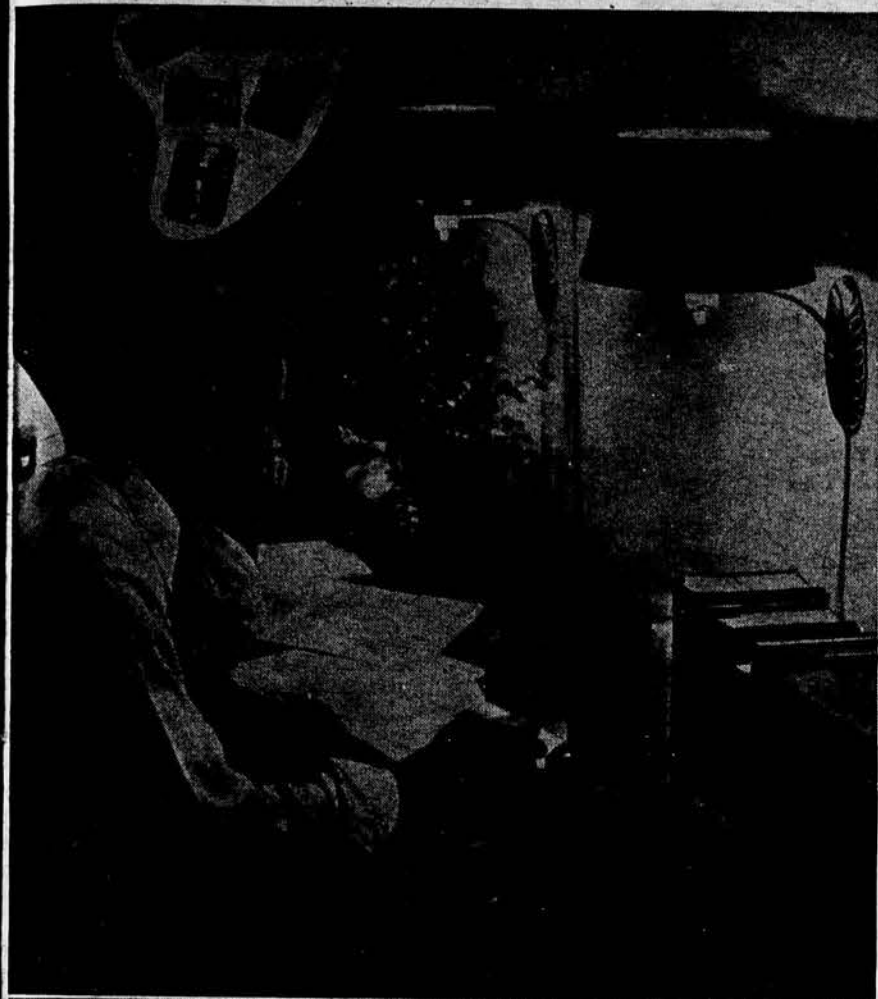
In the great game of life, there was One who made a sacrifice that we might win. He did it, not with a bat, but with a cross. He disregarded selfish ambition and "went out" that we might be victors—over fear, over evil, and over death. He sacrificed for his team because a sacrifice was called for. What a victory he made possible!

Sometimes, you and I get that signal, too. The play may not be so dramatic, nevertheless there is a sacrificial element in it. We are asked to give our time, our service, or our substance for the sake of others. Victory for the team stands against our personal record. Just as good players know there is more to baseball than averages, so great men know there is more to life than personal gain. There are times when it takes a sacrificial bunt to win the game.

—Larry Schwartz

GRANDMA By Charles Kuhn





Good lighting at the study desk is illustrated in the pictures on this page. If you are short on desk space, a pair of wall lamps will turn the trick. Upper right—when there's desk room a table lamp with a light colored inner shade is ideal when properly placed. Lower left—Study lamps are also usable for easy-chair reading when furniture can be so arranged.

BOYS AND GIRLS NEED BETTER STUDY LIGHTS

Farm boys and girls need *good* lighting, particularly during the school season. No matter whether they are studying, working on 4-H records, or just reading, precious eyesight needs the protection of good lighting.

Growups, too, can benefit from good light.

Good lighting in the right place makes reading, sewing and other seeing tasks so much easier. Good light will make your rooms attractive, too. If you would like all the facts about good home lighting, call the office of any of the companies listed below. They'll be glad to give you the facts—and even help you plan good lighting for your home.



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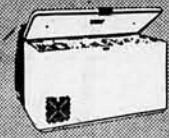
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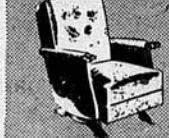
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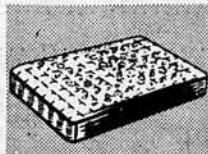
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Selling Turkey "By the Part" Pleases Producer and Consumer

By DICK NICHOLS



WHAT A DRUMSTICK!—Mrs. Betty Polling, Wichita consumer, points to a pair of drumsticks Mrs. Dwight Thompson is offering for sale in an individual package. Selling turkeys by the part is designed to appeal to the consumer who wants a small amount of turkey meat.

HERE IS a brand-new method of merchandising poultry. It is called selling poultry "by the part" and is proving successful where it is being tried by Kansas farmers.

Now using this method is the Dwight Thompson family, turkey farmers in Sedgwick county. With them under their new program, turkeys are no longer just a holiday sales item. They are now selling turkeys "by the part" the year around and report customers are very enthusiastic.

In the turkey business for 15 years, the Thompsons had always sold turkeys for roasting at Thanksgiving and Christmas. Then in May of this year they decided to try and sell turkey meat thruout the year. The idea for this decision was obtained at a class in modern methods of selling poultry meat.

The class was one of several schools the Poultry and Egg National Board conducted in the state to increase poultry meat sales. It was sponsored and brought into the state by the Marketing Division of the State Board of Agriculture.

Under the program, schools were held in Burlingame, Paola, Hutchinson, Emporia, Olathe, El Dorado, Coffeyville, Newton, Fort Scott, Pittsburg, Wichita, Topeka, Kansas City and Manhattan.

The Thompsons attended the school at Newton. Here they learned recommended methods for cutting up turkeys to meet the desires of their customers and also insure a reasonable profit for themselves on the whole bird.

By skillful cutting up of the parts, (Continued on Page 13)



TAKE YOUR CHOICE—Mrs. Dwight Thompson, near Wichita, displays a turkey roll along with other retail parts of a turkey which are now being sold on the home farm.

the consumer receives more of the meatier parts which she wants and will pay at higher prices per pound. Less meaty parts, which sell at lower prices, may also be preferred. Thus it works to the advantage of everybody concerned.

With the Thompsons, it was simply a matter of adapting the new method. After a few weeks, Mrs. Thompson reported, "Customers have been pleased with this service. They feel our items are tailored to their particular needs."

Merchandising their products from a store-type building right on the farm, they are featuring a drive-in business. They find customers like to buy turkey direct from the farm.

While they do not expect to sell all of their 4,900 turkeys this way, they heartily endorse this as a good year-around business.

Altho they have just recently started the "turkey parts" business, they have been selling "half-turkeys" for 6 years. They simply cut them thru the middle with a saw. They declare this helps supply a large demand for smaller quantities of turkey meat.

The Thompson family has 2 generations connected with the turkey project, with a third, consisting of a young

Thank You

I read all notices in *Kansas Farmer*, we like it very much. We always get a thrill out of the cartoon, Grandma.—Mrs. Carl MacKay, Rt. 1, Butler Co.

H Club member, having a project of 100 turkeys this year. Dwight and his brother Keith now do most of the managing, assisted by their father, Jesse. The women are active in cutting up the turkeys, packaging them in attractive "tray packs," and in selling.

Dwight Thompson believes there is an advantage in satisfying the needs of the so-called "small consumer," who, altho she may purchase only in small quantities, keeps coming back for more.

A large sign in front of the Thompson farm helps in advertising, as does an ad which states, "Half-turkeys or turkeys by the piece. Direct from the farm that grows them."

Jim Petr, marketing specialist with the Board of Agriculture, has high praise for the schools which demonstrated cutting and packaging poultry the part. "As a result of these schools," he said, "several stores in Kansas have adopted this practice. Currently, poultry is being sold by the part in most every town that sponsored a school."

In recent months, selling turkeys on the Thompson farm has taken on new importance. The Thompsons are firmly convinced that raising the birds is only half of it, and that selling turkeys "by the part" will pay off for them.

Use More Milk

One quart of milk a day provides all the calcium and more than one half of the phosphorus needed in the human diet, says G. H. Beck, Kansas State College dairy husbandryman. Milk is regarded as most perfect single food.

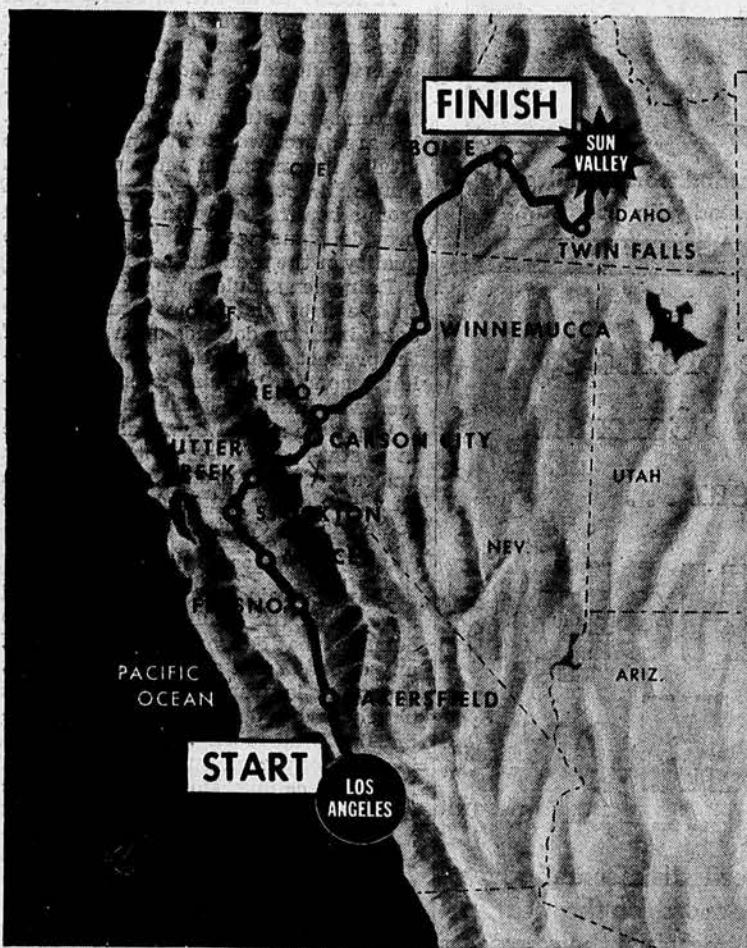
Keeps Pattern Handy

When crocheting from a picture pattern, I thumbtack the pattern on an easel picture frame and set it up in front of me.—H. L. F.

Control of Mammals

"Control of Mammals Injurious to Agriculture in Kansas" is a 20-page circular of the Kansas Agricultural Experiment Station, Manhattan, which tells in detail ways of controlling pests. As a service to readers, a copy may be ordered thru Farm Service Editor, *Kansas Farmer*, Topeka, Kan. No charge. Ask us to order Circular 296.

1953 Mobilgas Economy Run RESULTS:



25

Different Makes and Models of U. S. Stock Cars Rolled Up an Amazing Average of

22.3

MILES PER GALLON

Over a rugged 1206-mile route—Los Angeles to Sun Valley—with altitudes ranging from sea level to over 7000 feet, they demonstrated the great performance and economy built into modern cars and modern Mobilgas.

4th Straight Year of Proof—Mobilgas is High in PERFORMANCE—High in POWER—High in MILEAGE!

Straight from Sun Valley come these facts about the 4th Mobilgas Economy Run:

- All cars were 1953 model stock cars—under AAA supervision . . .
- All traveled a grueling 1206-mile route using Mobilgas or Mobilgas Special . . .
- For 3 days they averaged 22.3 miles per gallon!

What better evidence would you want of the outstanding performance, power and economy of modern cars and modern Mobilgas?

The facts tell the story: key to Mobilgas mileage is high quality—top performance!

Why settle for less? Fill up with Mobilgas—result of the world's foremost catalytic refining program.



Call in Your Mobilgas - Mobiloil Man FOR ALL YOUR FARM LUBRICATION NEEDS

"Ceresan" Made This Difference



Thin stand from untreated seed.



Thick stand from identical seed treated with "Ceresan."

More farmers make more profits by planting seed treated with "Ceresan" because year after year...

"Ceresan" Helps Grain Yield More

You can smell the difference! "Ceresan" seed disinfectant gives every kernel a protective coat that kills disease spores on the seed. In addition, "Ceresan" slowly releases a disease-killing vapor that spreads throughout bag or bin. The distinctive smell of "Ceresan" on seed tells you that "Ceresan" is at work disinfecting your seed for bigger yields.

You can see the difference! Good weather or bad, "Ceresan" guards every kernel you plant against seed rot, and protects the young sprouts from seedling blight. That's why you'll see thicker, stronger stands that promise top yield.

You will harvest the difference! With "Ceresan", it is not uncommon to get up to 7 extra bushels per acre of clean grain. In bad years, it may save an entire crop. And you get cleaner grain, too! "Ceresan" assures exceptional control of stinking smut of wheat; stripe and brown and covered smut of barley. Rye and oats also grow thicker and yield better when treated with "Ceresan".

Ask your seed treater to use

Ceresan®

Seed Disinfectant and Protectant



BETTER THINGS FOR BETTER LIVING
... THROUGH CHEMISTRY

Grass and Legumes grow thicker and stronger when you treat the seed with Arasan®—remember "Ceresan" for small grains, "Arasan" for grass and legumes.

On all chemicals always follow directions for application. Where warning or caution statements on use of the product are given, read them carefully.



Dwight Hull SAYS...

New Dairy Regulations Important to You!

WE WONDER how many dairymen are aware that a new set of regulations governing production and processing of grade-A milk in Kansas are now being written? When approved by the State Board of Agriculture these in effect will become law.

On August 7, a public hearing was held in Topeka to discuss various points of the regulations. About 80 dairymen and plant operators attended this hearing. It is my understanding certain parts of the regulations are now being rewritten, and another public hearing will be held before adoption.

It seems to us this is something in which every dairyman should be vitally interested. We also feel such regulations should not be adopted until dairymen of the state have had ample opportunity to study and discuss them. We are quite aware consumers also are vitally interested in milk regulations that will insure dairy products safe from a health standpoint, and that will provide some way to determine the quality of the product they may buy.

Dairymen should be most concerned. In the first place, the future of the dairy industry depends upon quality of the product offered the consuming public; secondly, because it is the dairymen who must meet the requirements.

What we should or should not have in a state law regulating production and sale of dairy products is a question on which every dairyman should have some definite opinions.

What Makes Healthful Milk?

I am certain every dairyman will agree, and the public has a right to demand, that dairy products be free of any danger from a health standpoint. The point is, what should a dairyman be required to do to produce high-quality, healthful milk? Will type of milking barn or parlor, number of windows, height of ceiling, slope of floor, space each cow has, or other items sometimes included in milk production regulations, have any relationship to production of healthful milk?

We would like to quote from a recent publication of the National Academy of Science—National Research Council on "Sanitary Milk Control and its relation to the Sanitary, Nutritive, and Other Qualities of Milk." This is a report of a committee composed of men of national reputation in the dairy field, with Dr. O. C. Dahlberg, of Cornell University, project director.

"A study has been made of sanitary milk control and milk quality of 8 selected cities. Each of the 8 cities had a healthful milk supply of good sanitary quality. The milk sanitation regulations of the several cities varied considerably, especially with regard to the extent and detail of requirements. The findings of this study indicate the need for only a limited number of basic requirements to insure a wholesome milk supply... Other conditions required in many laws and ordinances may be desirable but are not essential. These might be practices to be recommended rather than required.

"Surely, one could not expect research to show any relationship between quality of milk and such regulations as the cowyard or the milkhouse

being a specified distance from the barn, the exact dimensions of barns and milkhouses, the presence of flowing water in the barn, 2 rooms instead of one in a milkhouse, the means used for the efficient cooling of milk, having the milk flow thru a sanitary pipe line in the milkhouse, and one selected procedure for sanitizing milking machines and other utensils. The problem of sanitary laws is to include only essentials as requirements, so they may be rigidly enforced.

"It may be there should be details of practice which health departments would recommend but not require. Too much emphasis was placed upon such items as size and kind of walkways, construction features for milkhouses, method of hay and feed storage, separation of the milkhouse from milking barn and similar details which have no proved significance as far as sanitary milk production is concerned. Plans for barns and milkhouses are unquestionably useful for the producer who is constructing new buildings or remodeling old structures. Such plans are conducive to uniformity, approval by sanitarians, and may make the dairy operation easier and more efficient. But it is decidedly doubtful whether a producer who must build to precise specifications would produce better milk than another without them.

These Are Important

"It seems that more emphasis should be placed upon 3 groups or requirements respecting facilities and practices which are significant in the production of sanitary milk.

"1. Healthy cows and other factors reducing possibility of presence of pathogenic bacteria, such as fly control, potable water, and sewage disposal.

"2. Clean utensils given proper bactericidal treatment. This condition was associated with clean cows, clean milking barns, and clean milkhouses provided with hot water and 2-compartment wash vats.

"3. Prompt cooling of milk to 50° F. or below which was always accomplished by electric refrigeration, except that milk to be pasteurized promptly after production need not be cooled.

"Good production practices and essential facilities should be the goal and most particulars of structure and design should be recommendations and not requirements of the sanitary laws. Such emphasis on the important factors of milk sanitation would maintain and improve the measurable quality attributes of milk while reducing the number of requirements which tend to harass dairymen and to restrict the movement of milk between producing areas and new market areas."

It would seem to us that in the light of this very thorough and scientific study of the milk sanitation problem, that due consideration should be given the facts obtained and set forth in this report in the formulation of new regulations for Kansas.

Anyone interested in obtaining a copy of this report should write to the National Research Council, 2101 Constitution Ave., Northwest, Washington, D. C.

COMING, OCTOBER 3...

The drought of this past spring and summer should have been enough trouble for Kansas farmers, but corn growers in 44 counties had an additional problem that proved serious. Read about this problem and what is being done about it when you get your October 3, issue of Kansas Farmer.

THE SHEFFIELD FENCE RIDER

PUBLISHED IN THE INTEREST OF GOOD FENCING

Farm Kids "Bid 'em High" at CK Ranch Red-Circle Auction

Calves For Show Ring Competition Bought with Red-Circle Points

They come to the annual Red-Circle auction at the CK ranch near Brookville, Kansas, with their money stuffed in grocery sacks or cardboard boxes.

"They" are youngsters from the farms of a half-dozen states, and this is their big day on J. J. Vanier's 12,000-acre ranch—their big chance to own a fine registered Hereford or Angus calf.

The "money" that talks at this auction is red circles from packages of Gooch foods and feeds milled by the Vanier-owned plants at Salina, Kansas; Dalhart, Texas; Lincoln, Nebraska. The youngsters turn in the red circles for points, and they're ready for the auction.



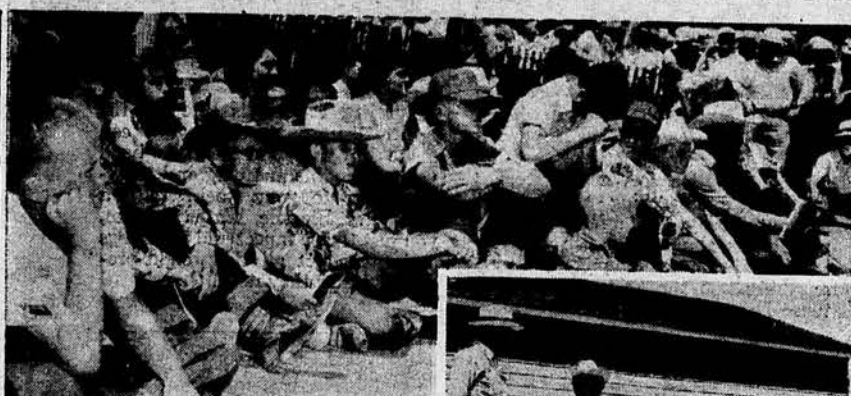
Claire Ferguson, 14-year-old successful bidder for prize Hereford, was paralyzed by polio a year ago, is rapidly improving.

About 1:30 P.M. the day of this summer's sale, Vanier started proceedings with some sage advice on how a good trade is one that benefits both parties.

Then Col. Gene Watson, veteran auctioneer, stepped up to the mike. A prize Hereford calf was first in the pen, and the sale was on. Bidding soared, topped 10,000, slowed, stopped at 14,600.

"Sold at 14,600 to the young man in the second row."

And 15-year-old Marvin



66 eligible bidders carried 260,000 red-circle points to the CK auction this summer.

Brooks, Stuart, Iowa, FFA member, claimed his prize.

The first girl to bid in a winner was Deanne Slusher, pretty 13-year-old from Council Groves, Kansas.

The sale moved along, smoothly, steadily. Now and then the colonel commiserated with a bidder who caught himself at the end of his points. Now and then he got "money" and "points" mixed up.

The idea of the auction, now in its third year, is to give boys and girls—40 this last



Deanne Slusher proudly displays her newly acquired Angus Calf, and receives papers.

time—a chance to feed out a fine animal, and to carry from the sale to their homes in Kansas, Colorado, Oklahoma, Missouri, Nebraska and Iowa registered calves to work with. That's what Vanier is doing.

How CK Ranch Fences 26,000 Acres of Rocky Pasture Land

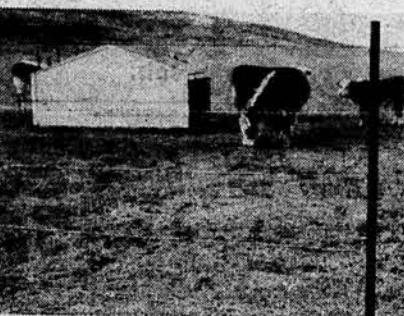
"We're near the west edge of the bluestem and the east limit of the buffalo grass, and that makes a special set of fencing problems," says Frank Wilson, manager of the CK ranch near Brookville, Kansas. There is about 150 miles of fence on the ranch. Most of it is barbed wire, because of greater ease of running over the hillsides.

Wilson prefers a 7½-ft. post, set three feet. He likes a 10-ft. corner post, set five feet. Five strands of barbed wire are used on most fences that divide the ranch into half-section pastures; six strands on the bull pastures.

What kind of wire on those valuable fences?

"Of course we use Sheffield," Wilson said.

To brace his corners, Wilson uses mill rods which otherwise would be scrapped. He uses a 1¼-in. rod for the brace and welds two ¾-in. rods to it near the ends. The smaller rods are inserted into holes in corner post and brace post, flush with top of larger brace rod.



"We use a lot of steel posts on these hills," says Frank Wilson. "They last a lot longer. This fence will last 25 or 30 years."

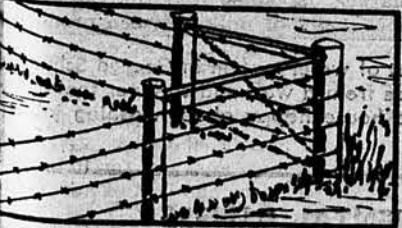
HOW SHEFFIELD MAKES FENCING UNIFORMLY BETTER

The uniform high quality of Sheffield Fence is something you can depend on—mile after mile. Sheffield Fence is made of special analysis steels, in Sheffield's own furnaces, under strict quality controls from selection of raw material to finished fence. A heavy uniform coat of zinc is perfectly bonded to the steel wire.

See your Sheffield dealer for the Sheffield Fence exactly suited to your needs.

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SHEFFIELD Spooled Baling Wire
Finest for automatic balers.
Now in good supply.



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your DEMPSTER Electric Water System pays for itself . . .



Layers Produce More when they're well-watered. Your egg production will zoom when you install a Dempster Electric Water System. And here's something else you'll find out. Today, even inferior equipment costs almost as much as the best. It just doesn't pay to buy anything but the best water system—Dempster!



Running Water is one of the greatest improvements you can make on your farm. Why bend yourself double pumping and carrying water to your stock? With a Dempster Electric Water System, you just turn a faucet and your hogs and cattle get all the weight-producing water they need.



More work time is another great advantage of running water. Instead of wasting hundreds of hours toting water, you can spend that time doing profitable work. This one saving alone will pay the cost of installing a Dempster Water System. Anyone without running water isn't farming as efficiently as he should be.



And what a convenience to have water piped right into the house! Your whole family will agree that a Dempster Water System provides real luxury living. Yet this added enjoyment won't cost a penny. Higher production and more work time mean your extra profits will pay for your Dempster Electric Water System.

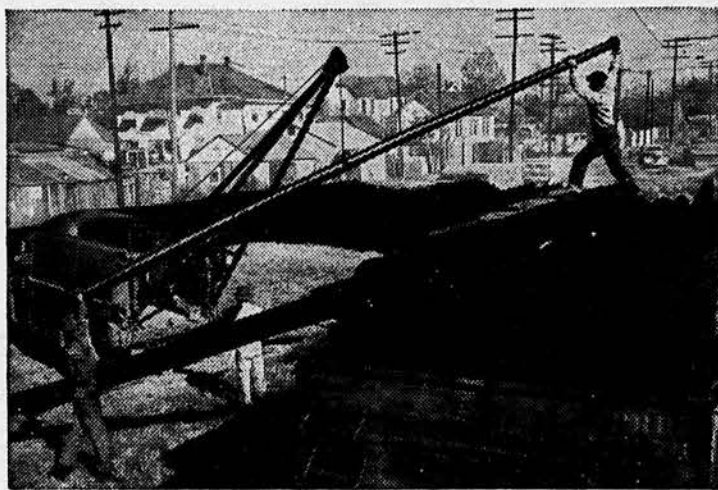
Dempster Electric Water Systems for deep or shallow wells—in complete range of sizes. Ask your Dempster Dealer for details or write—

DEMPSTER

WATER SUPPLY EQUIPMENT

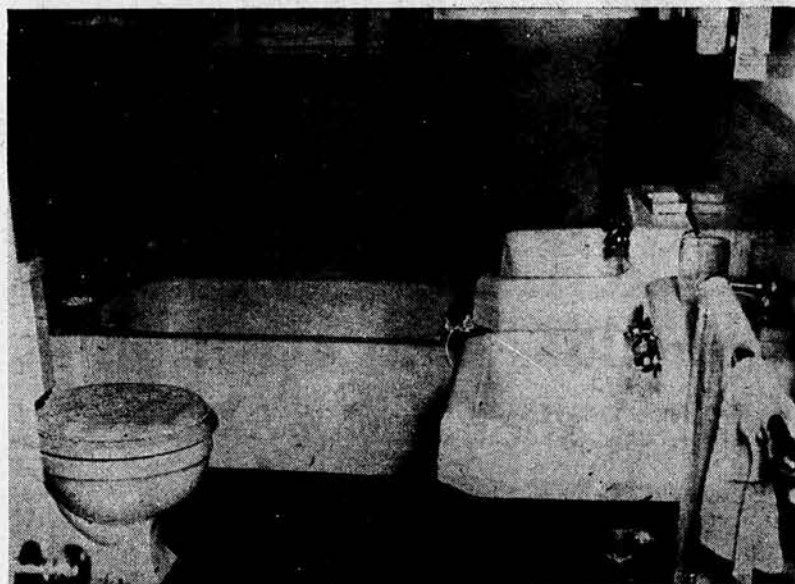
A Classified Ad in Kansas Farmer will do the Job.

These Trees Will Grow Farm Telephones



IF YOU JOINED ALL THE TELEPHONE POLES we've used to extend telephone service to rural Kansas in the past seven years into one big pole it would tower 715 miles into the clouds. That gives you an idea of how we've been breaking records in our efforts to meet the demand for farm telephones. We have doubled the number of Southwestern Bell rural telephones in Kansas since the end of World War II. This year we hope to be able to spend more than \$2,500,000 on rural projects around the communities we serve. **SOUTHWESTERN BELL . . . A TEAM OF 6,800 KANSAS TELEPHONE PEOPLE . . . AT YOUR SERVICE.**

Water System Fits Family of Eight On Schurle Farm, Riley County



MODERN BATHROOMS like this one are possible where an adequate supply of water and electric power are available. Six children in the Schurle family need plenty of washing space at mealtime.

WHEN GEORGE SCHURLE built his new farm home in Riley county in November of 1951, he included a good water system in the plans. His family of 8 has been making good use of it ever since.

The well that had a windmill over it, had to be dug deeper to start with. An electric pump and pressure tank were installed at the well site.

Water from the well had previously been pumped to the dairy barn and 2 stock tanks, but now lines go to the new house and to the henhouse.

A septic tank system was put in by the Schurles when the house was built and a plumber from Manhattan did the work in the house.

The water system in the house includes a kitchen sink, 2 lavatories, a tub, and a stool upstairs. Downstairs, there are shower, laundry connections, a stool, lavatory, hot-water tank, and a water softener.

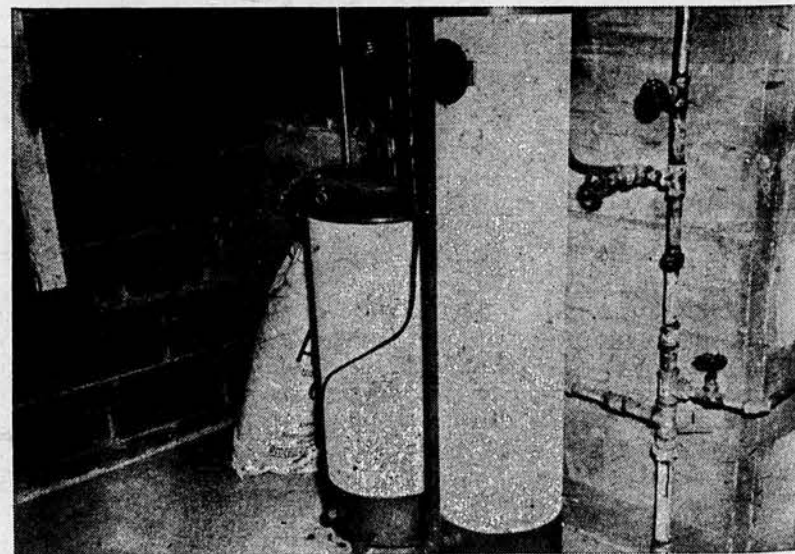
Last year, another well was dug when it looked like the main well would go dry. Their fears were unfounded though, and as yet, the new well has not been connected to the system.

Lines to the grade-A dairy barn are for washing and cooling with a hot-water tank installed there, also. Stock tanks and chicken waterers are all automatic.

Only difficulty encountered so far is when water is turned on in the house at more than 2 places. The pump loses its prime then, Schurle says.

Nears Completion

Kansas Farm Bureau's new state office building is expected to be finished by January 1, 1954. It is located west of Manhattan, on U. S. 24 Highway. The 2-story building will house all Farm Bureau office work and its services, including 268 employees.



WATER SOFTENER unit is important part of water system in George Schurle home, Riley county. Water supply comes from a well and softener tends to save soap and makes the lady of the house happy about washing jobs.

HINTS ABOUT MENTAL ILLNESS

By CHARLES H. LERRIGO, M. D.

Never in the history of this Nation have we given so much attention to those disturbed by mental illness, and never has it seemed so necessary. In homes where there is some member of the family, whose speech or actions seem to be at variance with the run of ordinary people, how often does the question come whether there is some way in which special attention might be obtained.

My special letter, "Hints About Mental Illness," will be sent to any subscriber sending a request, with an envelope addressed to himself and bearing a 3-cent stamp, to Dr. C. H. Lerrigo, Kansas Farmer, Topeka, Kansas. No copies can be sent unless the stamped envelope is received.

FRIEDMAN SHELBY WORK SHOES with Guaranteed Sweat-Resistant

BOL TAN[®] LEATHER Insoles

should give you up to

Twice the Wear

Just like finding an extra pair every time you buy work shoes built with *guaranteed* sweat-resistant *BoL Tan* leather insoles, shoes that should give you up to **TWICE THE WEAR!**

Let your dealer listed in this advertisement fit you with shoes that have the *BoL Tan* leather insole trade mark...and find out what this sweat-resistant leather insole can do for you.



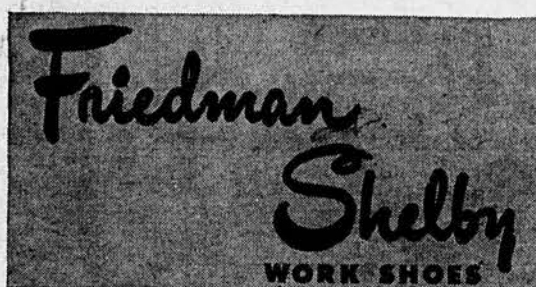
SEE THE DIFFERENCE!

These insoles are from a single pair of shoes worn 7 months under most severe sweating conditions. The one at the left is a *BoL Tan* leather insole, still soft and pliable as shown by the cut section lifted for inspection.

The other is a conventional leather insole, cracked, curled and saw-edged from perspiration attack. It's unfit for further wear! So make sure you have *BoL Tan* sweat-resistant leather insoles in the work shoes you buy.



BOL TAN leather insoles are SO GOOD we guarantee them.



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INTERNATIONAL SHOE COMPANY
World's Largest Shoemakers • St. Louis 3, Missouri



You can buy Friedman-Shelby work shoes with *BoL Tan* leather insoles at:

Abilene.....	Robbin's Shoe Store
Arkansas City.....	C. R. Anthony Co.
Chanute.....	Brady Shoe Store
Clay Center.....	Robbin's Shoe Store
Coffeyville.....	Family Shoe Store
Dodge City.....	Lloyd's Shoe Store
El Dorado.....	Lasater's Clo. Store
El Dorado.....	W. W. Virtue, Inc.
Elkhart.....	Smith's Federated Store
Ellis.....	Hillman Clo. Store
Garden City.....	C. R. Anthony Co.
Great Bend.....	Lloyd's Shoe Store
Hays.....	Schumacher Shoe Store
Hill City.....	Hillman Clo. Store
Holton.....	Lasater's Clo. Store
Winfield.....	C. R. Anthony Co.

Horton.....	Lasater's Clo. Store
Hutchinson.....	C. R. Anthony Co.
Liberal.....	C. R. Anthony Co.
Meade.....	Marrs & Twist
Medicine Lodge.....	Brooks-Spencer
Parsons.....	Family Shoe Store
Niss City.....	Brooks-Cooper
Salina.....	C. R. Anthony Co.
Stafford.....	Ontjes-Harrison
Ulyses.....	Smith's Dept. Store
Wakeeney.....	Hillman Clo. Store
Wamego.....	Knostman Clo. Store
Wichita.....	Beutell's Clo. Store
Wichita.....	Calhoun's Dept. Store
Wichita.....	Lloyd's Shoe Store
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Save Money on Phillips 66 Oils and Greases!

Here's all you do: Order your supply of Phillips 66 Motor Oils, Gear Oils and Greases. Set a delivery date between November 1, 1953 and May 31, 1954. That's all there is to it.

Here's How You Benefit

- **Generous Discounts** . . . you start saving money on orders as small as 15 gallons . . . discounts are up to five cents a gallon.
- **Top Quality Products** . . . you get all the special advantages of high quality Phillips 66 products.
- **No Down Payment** . . . you make arrangements for paying later.
- **Assured Supply** . . . you have the products you need when you need them.
- **Price Protection** . . . you are protected from any price increases.

Don't delay in getting your order in. Call your Phillips 66 Distributor today.

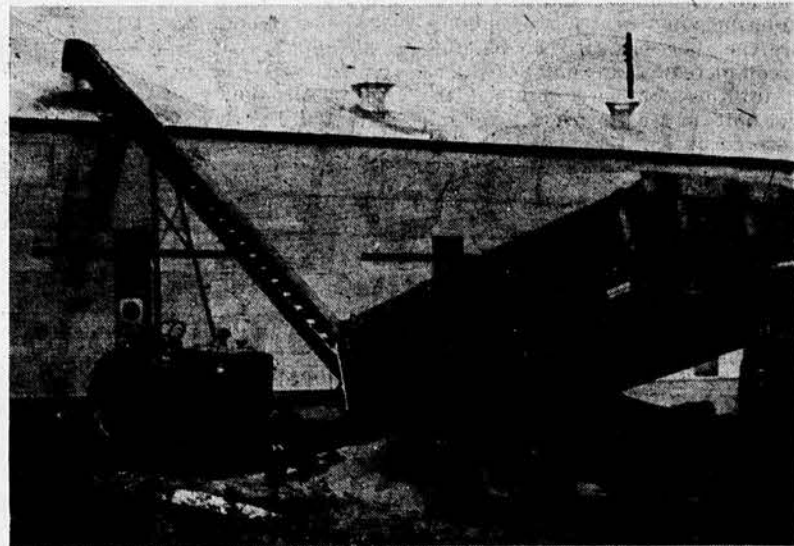
PHILLIPS PETROLEUM COMPANY



GRAIN SAFELY STORED ON BOTT FARM

. . . Blower lowers moisture content, nearly all hand labor has been eliminated, cost of building is considered comparatively low, pests are kept outside

By CARL EICHE



STORAGE is no longer a problem on Herman Bott's farm. This building was constructed this spring to handle all grain harvested on his farm. Eight bins will hold 22,000 bushels. Elevator fills bins thru ventilator opening on roof. Grain can be unloaded with auger put thru hole seen in door behind tractor. Very little hand labor is required to handle grain on this farm.

WILL ON-THE-FARM grain storage pay in 1953? Nearly every wheat farmer asks himself this question at some time.

Hundreds of farmers are putting grain storage facilities on their farm, but many involve scooping grain in and out of bins. Not many have facilities for handling grain with high moisture content.

Herman Bott, of Washington county, built a grain storage unit on his farm this spring that is unusual in several ways. Most unusual about the building is its capacity. It is designed to hold 22,000 bushels.

It can lower moisture content of any grain or seed until it is safe to store. A blower and duct system forces air thru any bin of grain Mr. Bott wants dried.

Nearly all hand labor has been eliminated at harvest time, and at the time grain is taken from bins. Dump trucks and elevators load grain into bins and augers empty bins into trucks.

Cost of the new building was comparatively low. Cost of all building materials, blower unit, and labor amounted to only about \$8,000, according to Mr. Bott.

Building is rat-, bird- and mice-proof. Galvanized sheeting covers entire outside and bins are lined with same material.

Grain can be moved from one bin to another from within the building. Mr. Bott can take an auger in any bin and transfer grain over wall of one bin into another.

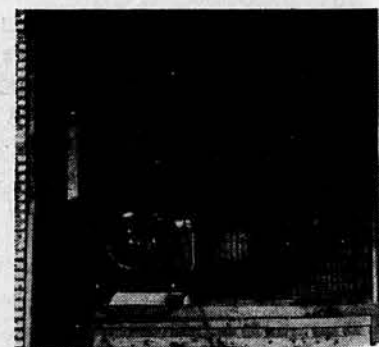
He has long felt the need for adequate grain storage. On his 3,000-acre farm in 1953, he will have harvested 1,550 acres of small grains, 100 acres

of legume seed, and 400 acres of corn. That calls for a lot of storage.

In the past, he has stored grain in an old granary on the farmstead and in any other old houses or buildings that were available. If the grain had too much moisture, he moved it from place to place by hand and hoped it was dry enough to keep from spoiling.

He has been considering building a grain storage unit for a couple of years and has been looking around for ideas. He talked with his county agent, Everett McClelland, with agricultural engineers at Nebraska University, and at Kansas State College.

(Continued on Page 19)



BLOWER UNIT forces air down main duct thru length of building. Several lateral ducts extend into each of 8 bins. Mr. Bott considered using heated air or batch-type dryers, but decided on forced-air dryer because of simple operation and lack of fire hazard. Entry into main air duct is gained thru horizontal door below fan and motor.



CLOVER SEED by the truckload goes into grain storage and drying building on Herman Bott's farm, in Washington county. Mr. Bott and 6-year-old Raymond Bott are shown bringing seed from field where it was combined. Forced air will dry this seed safely and with far less effort than was formerly used.

With all the information he could gather, he had to choose between a heated-air dryer, batch-type dryer, or forced-air dryer. He chose the latter because it was not so complicated and did not have a fire hazard involved.

Mr. Bott bought his lumber and galvanized sheeting and work started on the building about June. They were in the middle of harvest and had about 8,000 bushels of wheat in the building before the roof was on. The building was completed about mid-July. The local utilities company obtained the blower unit for Mr. Bott. The large fan is powered by a 7½-horsepower electric motor.

Moisture Is Built Out.

Dimensions of the building are 72 by 36 with 12½-foot walls. Cement floor raises the building a foot off ground. Moisture will be kept to a minimum by 6 inches of sand under 6 inches of cement. It is reinforced with wire and rods.

Mr. Bott had studdings put only 12 inches apart for extra support in the building. Studdings were anchored at top and bottom with nailed irons instead of toenailed. Each bin is supported both ways by cables from wall to wall.

Six ports open into each bin from the main duct. From inside the main duct, Mr. Bott can open any of these ports he chooses to force air into lateral ducts in the individual bins.

Care must be taken in opening these ports as moisture might be transferred from a bin of wet grain to a bin of dry grain. The lateral ducts must be covered fairly deep with grain or seed as the forced air will blow holes in the

layer and the desired drying effect will be lost.

This season, Mr. Bott put wheat into bins that tested from 14.5 to 16 per cent moisture. After air had been forced thru the grain for only a half day, temperature of the wheat was lowered to 60 degrees.

Size of the main air duct down the center of the building cut the capacity of 4 bins from 3,000 bushels to 2,500. All 8 bins are partially or wholly full of wheat, oats, and clover seed now. His 15,000-bushel wheat crop fills 5 bins, 2 bins are partly filled with oats, and one bin will hold clover seed.

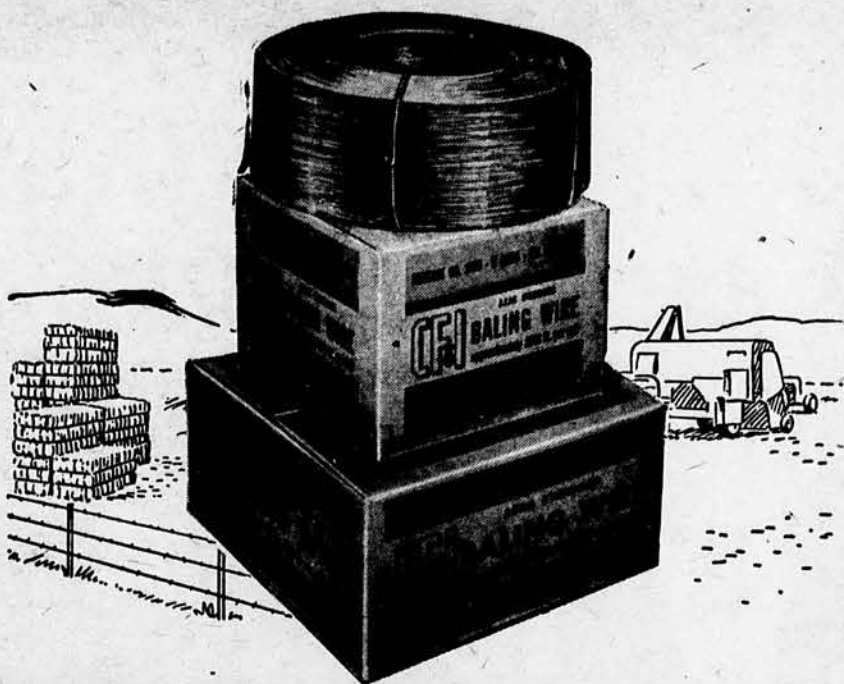
Mr. Bott's 1,250 acres of wheat will be cut to between 800 and 900 acres in 1954. He plans to plant this dislocated land to clover, alfalfa and milo.

He plants all certified seed and has about half his crop certified each year. His 300-acre oats crop was pretty well hauled out this year.

He keeps from 200 to 300 acres of his land in clover at all times. What he doesn't harvest for seed, he plows under. If he gets good rains on this land, he plants corn or milo. If not, he summer-fallows the land and raises wheat. He utilizes most of his corn on his farm, as he feeds around 100 head of cattle each year.

He says if his corn happens to be pretty wet, he may dry it in his building. He watches the humidity pretty close and doesn't run the blower at night if it can be avoided.

All in all, Mr. Bott feels the building will prove its worth in improved quality of grain, and since he can start harvesting earlier, he can cut down on numbers of combines needed at harvest time.



CF&I BALING WIRE...

For uniform, top-quality coiled baling wire, specify the West's leading brand—CF&I Baling Wire. In any make or model of automatic baler it means smooth, trouble-free operation. CF&I Baling Wire conforms to the new standards of the American Society of Agricultural Engineers and is packaged and labeled by coil size.

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THE COLORADO FUEL AND IRON CORPORATION

THE STORY OF WATERMELONS



ber is held one of the most colorful celebrations in America—Watermelon Day. The festival honors their great industry of producing thousands of watermelons for Americans. About 90 per cent of U. S. melon seeds originate there. The "day" was started in 1876, when an entire train was flagged down so travelers could help celebrate a bountiful harvest. Melons are passed out yearly at rate of about 2 tons a minute!

Largest melon on record was one produced in 1935—a 195-pounder grown in Arkansas! Today, a new pint-size watermelon developed by agricultural scientists is popular. It is a cross between a standard American watermelon with a Japanese variety. New melon has red flesh and black seeds.

After years of experimentation, a seedless watermelon has been developed! In 1952 the Indiana Agricultural Experiment Station told of a refrigerator-size watermelon with none or 2 or 3 seeds. New melon is round and weighs 8 to 10 pounds. Research men used a chemical called colchicine which changed internal structure of melons. Old-time, average watermelon has more than 500 seeds!

Belief that watermelons are good for treatment of kidney disease goes back to ancient folklore. Fact is, there's no scientific basis for the belief. Many times watermelons have been used in treating nephrosis disease but never proved useful.

Imperial Valley in California is the No. 1 area in America for watermelon production. Other high-producing states are Georgia, Colorado and New Mexico. Every year U. S. citizens spend about \$60,000,000 for watermelons!

Fat Stock Show

Wichita will be host to the 20th annual Kansas Fat Stock Show, October 7 to 9, at the Wichita Forum. This year FFA members, as well as 4-H Club members, are invited to take part, but competitions will be separate. An active financial drive has resulted in enough funds for 1953 and 1954 shows, but requests will be made to the 1954 State Legislature for future events.

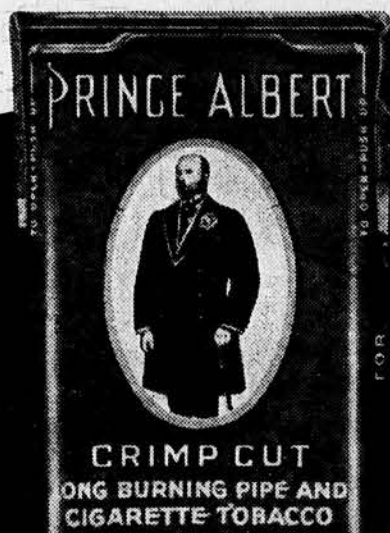
IF A WATERMELON goes "plink" when thumped, then it's green. If it goes "plunk" or "thump" it's ripe, and ready to eat! That's an old saying many folks believe true in telling whether a melon is ripe. Others have their own way of telling.

Native of Africa, watermelons have been a food favorite for centuries. Seeds were taken to India, then reached China about 10th century, A.D. Melons were not known before the Christian Era to people of Greek and Latin languages. In the 15th century, Portuguese introduced watermelons into South America from Africa. In the 16th century, England was introduced to melons. The crop spread to America in the 17th century, became a favorite with the Indians and early settlers.

Edible part of a watermelon is 92.4 per cent water. Altho the watermelon is thought of as only crop that has no secondary or other uses, in the Orient seeds are eaten and all over the world the rind is pickled. In 1929, USDA home economic research workers started the first experiment on food factors of watermelons. They found the melon was a good source of vitamin A, C and G.

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No other smoking tobacco has
PRINCE ALBERT'S
MELLOW TASTE!



That's why
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PRINCE ALBERT
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"LIKE EVERY
 OTHER PIPE SMOKER,
 I WANT A TOBACCO
 THAT SMOKES MILD,
 AND TASTES GOOD.
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EASY TO DRAW! Crimp cut Prince Albert packs just right in your pipe. Smokes cool, mild and is long-burning... all the way!

EASY ON THE POCKETBOOK! More tobacco now in every pocket tin! More smoking pleasure for your money!

EASY TO ROLL! You can't beat Prince Albert for a "makin's" cigarette! Rolls easy - stays put - doesn't dribble out the ends!

Tune in "Grand Ole Opry", Saturday Nights on NBC

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in Kansas Farmer—Classified Department.
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**Bulls Don't Lay This Pen Flat
 Like They Did Earlier Ones**



THE JAMISONS' bull-exercising pen shown here is made of continuous welded pipes and has held "some mighty big bulls." Entrance to bull's stall is shown at far end of milk barn at right.



ALBERT JAMISON, left, is shown in front of bull stall inside the milk barn which he built to simplify bull management. His son, John Jamison, right, now operates the farm.

FIFTY YEARS of handling dairy bulls and you learn a lot about them. You not only learn a bull can't be trusted, but when he wants to he can break up a mighty strong pen.

"We used to have a pen built of 2-by-6 and 2-by-8 planks. It looked plenty strong to us. But when we put some big bulls in it, they weren't long in laying it flat. We built and rebuilt feeders, just to have them smashed up," John Jamison, Lansing, said. The Jamisons, Albert, and now his son, John, have been in dairying steadily for half a century on the attractive 200-acre place just south of town.

Jamisons finally realized they needed professional help and at Kansas State College found a plan they liked that had been tested and was sure to have the strength needed for the job.

An outside exercising pen is made of 2-inch boiler flue pipe welded together in one piece and attached with U-bolts to wooden posts set in concrete footings. The pen, about 20 by 40 feet, has held "some mighty big bulls," Mr. Jamison recalls. It parallels a 26-stanchion milking barn. In one end of the barn is a bull stall.

The bull can enter and leave the barn by pushing his way thru a swinging door. Door swings on pins set near top of each side of door.

Concrete feed bunk and watering trough are in stall which is separate from rest of barn by iron bars. Stall gate inside barn can be swung to line up with door leading to another outside lot. Thus cows are let into the bull pen for servicing and let out the same way, so the bull never has to be handled. This keeps farm owner safe.

A special trapdoor drops hay down to the bull's bunk from mow above. Hammer mill set up in the building adjoining the bull pen shoots feed into bin adjoining the bull stall.

City water is piped all over the farm lot area and just the turn of a valve supplies the bull stall with all of the water needed. An outside gate to the bull pen is hardly ever used, Mr. Jamison said. Plans for the bull pen at milk barn were supplied by Kansas State College. Brick and tile construction was chosen after most of original Jamison farm buildings were destroyed by fire. Barn lots are completely concrete.

IS IT TRUE?

Is it true petrified wood really is not petrified?

Petrified wood is plant remains only—woody tissue has been replaced by mineral matter, usually some form of silica. Structure of wood is preserved only. Silification probably was accomplished by hot alkaline waters carrying dissolved silica. In fossil trees, wood cells have been replaced by silica, which can be colorless or show beautiful tints. Some fossil forests have many erect stumps or trees of large size standing.

THE WORLD'S MOST COMFORTABLE CAB

... is a "break" for you on hauling costs! New Ford Truck **DRIVERIZED CAB** cuts fatigue!

Reducing driver fatigue is only one of the many virtues of the new Ford DRIVERIZED CAB. It also makes for easier driving.

Easier driving means safer driving! Easier driving means greater efficiency in terms of more hauling, done faster, which means a more economical operation.

The new Ford DRIVERIZED CAB is just one of many new time-saving features that make Ford Trucks your best buy!

For sustained speed travel, Ford provides new Low-FRICTION power in V-8 or Six. For faster, easier handling, Ford provides Synchro-Silent transmissions standard in every model—and new "short-turn" front axles.

Both Standard and Deluxe DRIVERIZED CABS offer all the features mentioned on this page. See your Ford Dealer for full details.



DRIVERIZED DELUXE cab shown in photos available at slight extra cost.



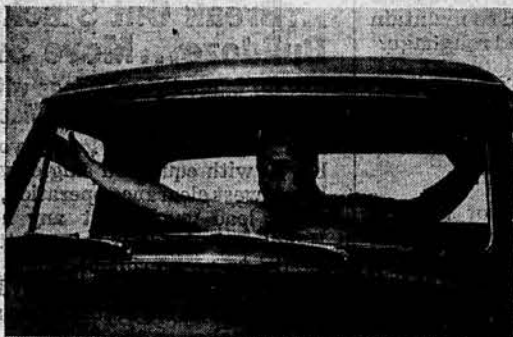
SWING open the new, wider doors! Door handles are easy-operating push-button type... like in quality cars. Door latches are new rotor-type.



HOIST your size 12's into the cab! Plenty of room between the seat and door pillar. No toe dances getting in or out of a Ford DRIVERIZED CAB!



SLIDE into the wide, comfortable seat. Bounce to test the super-cushioning action of Ford's exclusive seat shock snubber and non-sag springs.



SWEEP your eyes across the new one-piece windshield. With visibility like this you can really navigate. Safer, of course! Less eye-strain!



GLANCE back through the 4-ft.-wide rear window. You can see the space you're backing into. Why pay extra for rear quarter windows?



STRETCH your arms into big cab roominess. FORD DRIVERIZED CABS provide more hip-room than any of the 5 other leading makes.



World's most powerful Pickup truck with the world's most comfortable cab. 6½-ft. box, over 4 ft. wide. Clamp-tight tailgate. Choice of V-8 or Six!

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SAVE TIME! SAVE MONEY! LAST LONGER!



**That Boy's One
of the Best
BEM BRAND
Customers in
This County!**

One day last year I turned over about 40 acres to my oldest boy, Joe, just to see what he could do with it. A week later I gave him a lecture on fertilizer. He listened while I explained how crops drain plant food out of the soil, and how a farmer has to put them back if he wants good yields.

Then I started to beat the drum for BEM BRAND fertilizer. "It's right for our soil," I said, "because it's made here in our own area. It contains the proper amounts of nitrogen, phosphate, and potash, the primary plant foods. Besides that, it's packed with important secondary minerals. Those secondary minerals are extra . . . a 'bonus,' our dealer calls them."

When I finally ran down, Joe showed me a receipt he had in his pocket. It was for 62 bags of BEM BRAND fertilizer.

Joe used that BEM BRAND and made a nice profit his first year. He's going to do it again this year, unless I miss my guess. It keeps me humping to stay up with him.



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CHEMICAL COMPANY**



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WEATHER SUMMARY on **KOAM** AT 7:45 AM. MW.

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WRITE:
FARM SERVICE DEPT.
THURSTON CHEMICAL CO.
JOPLIN, MO.



They're Going to Stick

(Continued from Page 1)

it was up to 80 or 90 head and now has reached 100. There were no registered cows 10 years ago, so this improving of the herd has all occurred within the last 10 years.

Some experimenting is being done on the ranch to determine the most profitable method of handling the calves. Right now the plan offers quite a variation, which has some advantages perhaps, but also some drawbacks. Up until 1952 all steer calves were held over and fed out as deferred; the best heifers were kept as replacements and the rest fattened on the ranch for market. In 1952 some of the calves were creep-fed for the first time.

"We proved to ourselves," say the brothers, "that it takes early calves for a successful creep program. Calves should be dropped before January 1. This year we had about 30 early calves, so we put them all in one pasture and are giving creep-feeding a full test. Creep-feeding does bring a quicker turnover and we can carry more cows on the same acreage thru creep-feeding."

Offers Choice of Markets

Part of the program on steers is to start feeding on grass and then finish in dry lot. The variety of feeding programs on the Miller Ranch offers a choice of markets, but the brothers point out, probably does not give them the most economical use of labor.

Changing times, however, call for changes in the cattle program these brothers believe. In the late 40's they found it profitable to sell 900-pound feeder steers.

Pastures are grazed light thru the years so in dry seasons like this one they have some grass to fall back on. They have good wells and 2 stock ponds that still had water in adequate amounts in late summer.

Sorgo and silage corn are grown for silage, with 50 acres of each being planted this year. All of the first-cutting alfalfa in both 1952 and 1953 went into silage. The brothers have storage for 450 tons of silage in uprights and 550 tons in trenches. They try to raise all the alfalfa and prairie hay their herd will need but run short in real dry years.

"If it stays dry too long we may have to cut our herd, but we will not cut the herd due to low prices," the brothers say. "We rode prices up and we'll ride them down." They point out that the paper value of their cows went down 50 per cent in the last year but that the actual loss wasn't that much.

"There haven't been many years when our cattle have lost us any actual money," the brothers say, "and we don't expect to give up after one bad year."

John Poole got out of Kansas State College in 1942 and has been building up a herd of registered Herefords ever since. This year 250 cows were bred on the Poole ranch of 2,300 acres. There are 400 acres of farm ground and Mr. Poole is raising all his roughage and corn. That is, he tries, "I had to buy 2 loads of corn in 1952," he recalls.

It takes 14,000 bales of hay to winter the Poole herd. This includes 4,000 bales of prairie hay and the rest alfalfa. A total of 140 acres on the ranch is in alfalfa with 30 more acres in a bromo-alfalfa mix.

Program on the Poole ranch is for calves to be dropped in early spring, creep-fed thru summer and sold in fall. Individual calves are never sold, however. "I have been selling my entire calf crop to one buyer, who thus gets a straight-run calf crop without any topping being done," says Mr. Poole. Quality of the Poole calves has been uniform enough, Mr. Poole never has had any trouble selling his entire crop in this manner.

Southwest Plains His Market

Because he has been building up his herd, most of the calves sold have been bulls but, in 1952, Mr. Poole had 50 heifers for sale and sold all of them to the University of Tennessee, at Knoxville. His young bulls last year went to Old Mexico, but his normal market is in the southwest plains area.

With conditions as they are right now we asked Mr. Poole whether he planned to trim his herd severely this year. "I don't plan any change or cutting unless I can't possibly grow enough feed," he says. "Our alfalfa crop is very light this summer and I may have to fill my silos this fall with sorgo or corn, but I hope not as I think alfalfa is the best feed."

You can understand why John Poole is reluctant to cut his herd. The late John Poole, Sr., started the present herd in 1917. He died in 1923 and John's mother kept about 25 head of the registered cows until John was old enough to take over. Since he took charge, John has built this 25-cow herd up to 250 without ever buying a female.

"But," says John, "I don't look for my neighbors to make many changes either. Ranchers in this area have their herds established and need to maintain them to utilize pastures and roughage."

A Big Step Forward!

(Continued from Page 4)

constructed of haydite blocks with a native limestone facing. Over-all cost of the building and equipment was \$150,000 with some \$40,000 to \$50,000 of the total going for equipment.

The new laboratory was authorized by the 1951 legislature and construction started in September, 1952. It was paid for by fee funds from the commercial industries involved in the testing services, says Mr. Freeland. Cost of operating the laboratory will total about \$55,000 a year, including salaries, utilities and miscellaneous items.

Marvin L. Schreiber, who has been chief chemist for the State Board of Health, has taken over as laboratory supervisor. He is a graduate of the University of Kansas and has a masters degree in chemistry from Kansas State College. His staff consists of the following: Two chemists, Loren Delp and Glen W. Wren; 2 laboratory assistants in chemistry division, Mrs. Norma Holm and Ralph Strawn; a microscopist, Earl D. Avery; a bacteriologist, William D. Paschal (in charge of dairy work); 2 dairy laboratory assistants, Mary Lou Mispagel and Mrs. Fay Long; a secretary, Elaine Baier, and custodian, Leslie Wallace.

Fred True, state sealer of weights and measures, will have a special room in the laboratory building to house his state standards on weights and measures and to use as a workroom.

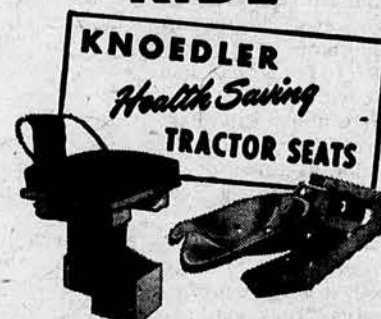
In October the state seed laboratory, now housed at Manhattan, will move into the new building at Topeka with about 8 additional employees. This seed laboratory has a walk-in germinating room. "Because of better train and bus connections in and out of Topeka we



(Continued on Page 23)

Try "Penta"

Penta is a chemical (Pentachlorophenol) used in preserving wood—lumber, poles, fences, buildings. Penta gives a clean and lasting treatment. Dow Chemical Company has printed 2 booklets on Penta which tell you how to use the chemical—"Post Preservation Pays" and "Pointers on Penta." Address Farm Service Editor, Kansas Farmer, Topeka, Kan. No charge.

put GLIDE in your TRACTOR RIDE



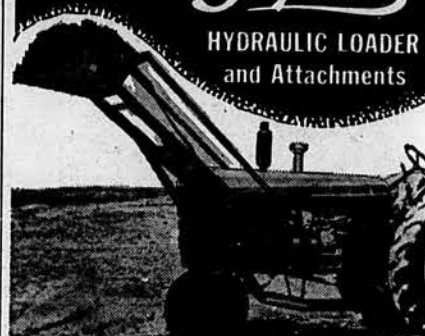
Don't jounce like this  glide along like this  Work longer . . . feel better! Secret of smoother ride is patented combined spring-hydraulic shock absorber. Over 30 Seat Models for more than 100 different tractor makes and models. WRITE for details; name of dealer.

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Handle One Big Job After Another...

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Do Many Other Things with
this Versatile, Low Cost Machine

Most practical farm loader you can buy... with equalized single cylinder lift, lowest clearance operation, automatic load leveling at any height. Handles ton loads or more. Attaches easily to row crop or wide tread tractors. Available with hydraulic scoop control. No better labor saver, money maker on the farm.

Low Cost Tools for Winter Work

Here are Jayhawk's 18-foot, 1-man Hay Crane with hydraulic grapple fork; 6-ft., 3/4 yd. Snow Scoop; 6 or 7-ft., 3-way Bulldozer. Other attachments include Push-off Stacker, Cotton Loader, Sweep-rake and special Long Tined Manure Fork.



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hope we can speed up our seed testing work and service more farmers in the state," Mr. Freeland says. He explains that every farmer is allowed up to 5 free tests on seed a year before any charge is made.

One new service to be offered by the state laboratory can be found in only about 12 other laboratories in the United States, according to John Monaghan, head of the control division for the state board. This service is the microscopic examination of commercial feeds to look for adulteration, excessive weed seeds, etc. "Many times," says Mr. Monaghan, "certain things can be added to feeds that do not show up in a chemical analysis but can be seen clearly under the microscope. Using a microscope on feeds also will serve as a guide at times on what to look for when we subject feeds to chemical analysis."

An example of how this works is offered by Mr. Monaghan. "You could receive a shipment of cottonseed meal," he says, "that would test out all right as to protein content but might contain some sand to add weight. This sand would not show up in the chemical analysis but could be easily spotted under the microscope. Weed seeds in feed also may test out high in protein but contaminate pastures thru the droppings."

Bringing New Problems

Use of antibiotics and chemical sprays on dairy farms is bringing new laboratory problems, too. For instance, if you use an antibiotic in treating a cow for mastitis and market her milk too soon, that milk cannot be used to make cheese as the curd will not form. Same condition is true from using sprays not recommended for dairy cows and barns. Some of these also will prevent curd from forming.

Dairy product manufacturers run into these problems and send samples into the laboratory for analysis. Once they know the cause they can then track down the source.

Rolla Holland, state dairy commissioner for the board, is enthusiastic about services of the laboratory which, he says, will facilitate checking of all kinds of dairy products being sold in Kansas. Modern laboratory equipment will provide exhaustive tests to insure purity and quality of milk, ice cream, cheese, and many other dairy products.

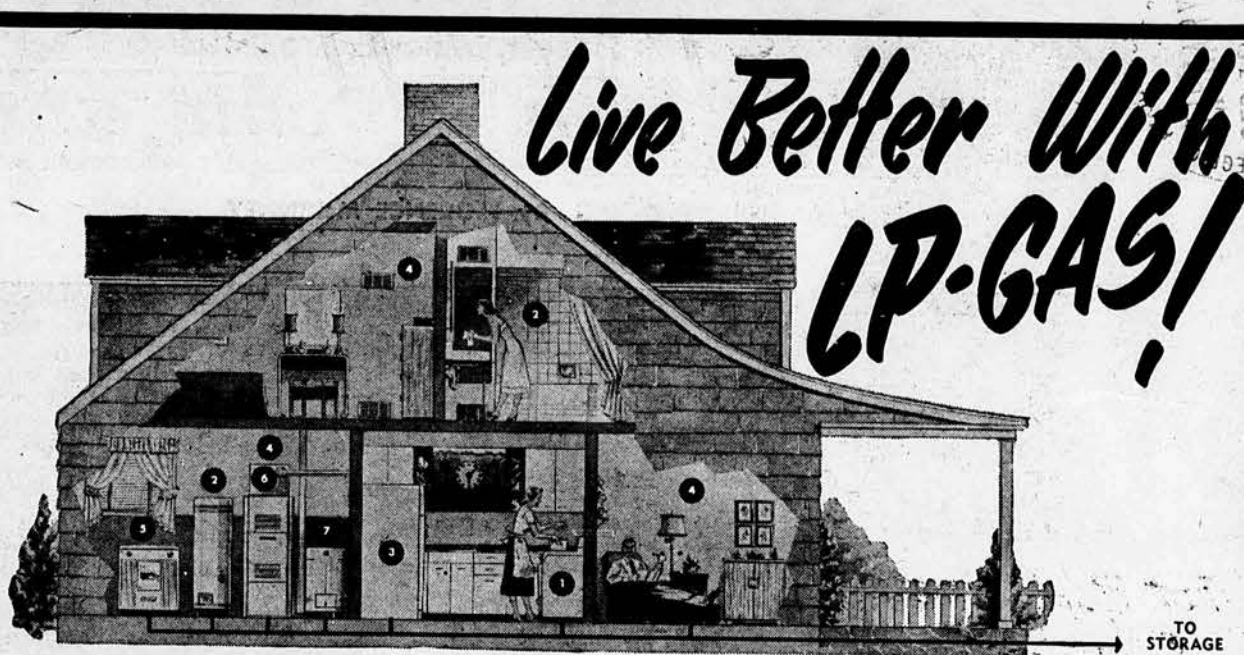
"Remember," says Mr. Freeland, in conclusion, "this state laboratory is your laboratory and is here to serve you. If you know of anything that should be brought to our attention for investigation, please let us know. We will send someone out to make an investigation as soon as possible. Where necessary we will bring samples of products into the state laboratory for examination."

Kansas Farm Boy Goes to Ohio

A Kansan has joined the agronomy staff of the Ohio Agricultural Experiment Station, Wooster, O. John Parsons, Kansas State College graduate with master's degree in 1949, will do research on crop rotations and forage crops fertility. He holds his Ph.D. degree from the University of Massachusetts.



"Have you ever thought about leaving your stomach to science?"



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2. Heat Water for kitchen, bath and laundry
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Wherever you live you can have all these conveniences with LP-Gas. No other fuel or power offers so much for so little. Yes, it's economical. Safe, fast, clean and dependable, too. Call your dealer today. Look for his name below. Just say you want to modernize the Blue Flame Magic Way. He'll be glad to recommend the appliances, equipment and tank size you need.

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More and more families are turning to LP-Gas for Better Living and Better Farming every day. Domestic and motor fuel consumption in 1952 totaled 2,683,000,000 gallons, or nearly twice the amount sold for all purposes only six years before. There is a reason for that great acceptance. LP-GAS IS JUST TOO GOOD TO BE WITHOUT.

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Kloma | UNION LP-GAS SYSTEM
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Order Your Storage Filled BEFORE SEPT. 30th

Kansas Farm Home and Family

By FLORENCE McKINNEY



COTTAGE CHEESE AND DEVILED HAM combined give new flavor to an ordinary fruit salad.

SALADS Late Summer Into Fall

VARIETY in salads knows no end, some hearty, some light, some with fruit and nuts, some frozen. Here we offer you home tested salads in all that variety.

Cottage Cheese and Peach Salad

- | | |
|-----------------------------|---------------------------------|
| 1/2 pound cottage cheese | Mayonnaise |
| 1 tablespoon minced parsley | 1 tablespoon deviled ham |
| Lettuce | 4 peach halves, fresh or canned |

Lightly combine cottage cheese, parsley and deviled ham. Chill. Drain peach halves if canned and arrange hollow-side up in lettuce cups. Mound the ham-cheese mixture in peach halves and garnish with a spoonful of mayonnaise. Pineapple or pears may be used.

Green and White Salad

- | | |
|------------------------------------|----------------------------|
| 1 package lime gelatin | 1 package lemon gelatin |
| 1 1/2 cups boiling water | 1 cup heavy cream, whipped |
| 1 (9-ounce) can shredded pineapple | 1/2 cup cottage cheese |
| 1 cup boiling water | |

Dissolve lime gelatin in 1 1/2 cups boiling water. Cool. Add drained pineapple and pour into mold and chill until firm.

Dissolve lemon gelatin in 1 cup boiling water. Cool. Whip cream and fold into cottage cheese.

Add to the cooled lemon-gelatin mixture. Pour over congealed lime gelatin mixture and chill until firm. Slice and serve on lettuce. Garnish with mayonnaise if desired. Serves 8.—Mrs. W. P. Noon.

Frozen Fruit Salad

- | | |
|-----------------------------|--------------------------|
| 1 cup white cherries | 1 tablespoon lemon juice |
| 1 cup diced pineapple | 2/3 cup salad dressing |
| 1 cup pears, in pieces | 1/2 cup grated cheese |
| 1/2 cup maraschino cherries | 1/2 cup cream, whipped |
| | 1/8 teaspoon salt |

Combine all fruits and lemon juice. Mix salad dressing, cheese, whipped cream and salt. Stir into fruit mixture. Pour into refrigerator tray and freeze. Serve on lettuce. Makes 10 to 12 servings. This salad can be made 24 hours before serving.—Lois Decker.

Cheese Whip Fruit Salad

- | | |
|----------------------------------|--|
| 1 (7-ounce) package cream cheese | 1 (8-ounce) jar maraschino cherries, drained |
| 8 slices pineapple, diced | 20 marshmallows |
| 5 tablespoons pineapple juice | 1 cup whipping cream |

Stir cheese until creamy, add pineapple, drained cherries and pineapple juice. Cut marshmallows into small pieces and combine with

fruit mixture. Whip cream and fold into mixture. Mix well and let stand overnight in refrigerator. Serve chilled in lettuce cups. Serves 8 to 10.—Mrs. Forrest Anderson.

Twenty-Four Hour Salad

- | | |
|------------------------------|------------------------|
| 4 egg yolks | 1/2 pound marshmallows |
| 1 cup water | 1/4 cup mayonnaise |
| 2 tablespoons sugar | 1/4 cup chopped pecans |
| 1/8 teaspoon salt | 1/2 cup whipping cream |
| 1 No. 2 can sliced pineapple | |

Combine egg yolks, water, sugar and salt. Cook over low heat until thick. Cool. Drain juice from pineapple and cut into pieces. Cut marshmallows into pieces. Combine pineapple, marshmallows, mayonnaise and chopped nuts. Pour over cold custard. Whip cream and fold into mixture. Let stand in refrigerator for 24 hours. Serve cold on lettuce. Makes 6 to 8 servings.—Mrs. Tommy Lawrence.

Ambrosia Special

- | | |
|--------------------------|-------------------------------------|
| 6 oranges, diced | 2 bananas, diced |
| 1/2 cup shredded coconut | 1 cup strawberries, fresh or frozen |
| | 1/4 cup sugar |

In a bowl, mix ever so lightly, the diced oranges, diced bananas, sugar and coconut. Cover with strawberries. Chill and serve. Serves 6.

To Shawnee County Farm Women

SOFT WATER IS IMPORTANT

AN AVERAGE HOME water softener looks a good deal like a small-size water heater. It's usually in the basement, standing on end and connected with the home water pipes. Regular water passes into the tank in its hard state and comes out soft, with the calcium and magnesium particles removed. While in the tank, water passes thru a compound called zeolite which has an affinity for the ordinary minerals found in Kansas hard water. In fact, they adhere to it. Refined salt must be added to the tank with regularity to clean the minerals from the zeolite, so it will continue working. That's the way it operates.

Kansas is almost notorious for its hard water. According to the U. S. Department of Interior, Kansas together with several other Midwest states has the hardest water in the Nation. Kansas farmers can testify to this in clogged water pipes, their wives in mineral-lined teakettles, bathtub rings, stained bathroom fixtures and tattle-gray clothes and linens. One report indicates an average family of 4 persons will save \$117.20 each year by installing a water softener. That doesn't count the half-clean clothes, the back-breaking job of removing grime that is hard to wash away in hard water.

Synthetic detergents partly solved the problem of hard water, for they do not cause the formation of scum that has to be scrubbed off. Water softeners go another step farther. Farm women who own them give them credit for easing washday, for getting clothes really cleaner and lessening the necessary amount of soap.

Mrs. Joe Hill, of Shawnee county, installed a softener in her basement several years ago at a cost of \$299. She says, "Upkeep is about 40 cents a month and that's for salt to recondition the zeolite."

Mrs. Nelson Ives, who lives several miles from Topeka but fortunate to have city water, even finds the treated water supply not sufficiently soft, and several years ago installed the tank-type softener in the basement of their attractive farm home. She likes it fine and would not do without it. Every 30 days, she adds 10 pounds of salt to regenerate the action of the zeolite. Their installation cost about \$200 and upkeep about 20 cents a month for the salt. All household water passes thru the softener.

Western Shawnee county has a booster for soft water in Mrs. Sam Kelsey. Monthly cost at her house is about \$3.75, which includes periodical service by the company and rent on the tank. The serviceman brings a new tank and connects it with the water system in a matter of a few moments. For the \$3.75 she saves money on soap, wear on clothes and linens, saves plumbing repairs and gets lots of satisfaction in having no grubby sink, lavatory or bathtub. She uses ½ cup of soap for a week's washing for her family of 3. The Kelsey hot water tank is now free of minerals and the aerator on the water tap at the kitchen sink is no longer clogged. In hard-water days, it was necessary to clean it every day or so. And the ring around the bathtub and lavatory is permanently out in these Shawnee county farm homes.

FAVORITE FASHIONS



4522—One yard 35-inch fabric for small size. That's all you need for the tailored version of this apron. Misses' sizes small, (14-16), medium, (18-20), large, (40-42). Other version for parties.

4589—Handsome twosome to wear with your suits, sweaters or alone as sleeveless dress. Misses' sizes 12 to 20; 30 to 42. Size 16 jumper takes 2½ yards 54-inch fabric; blouse 1½ yards 39-inch fabric.

4877—Whip up this smart ensemble with weskit and skirt to match, blouse in contrast. Proportioned for shorter-waisted, fuller figure. Half sizes 14½ to 24½. Size 16½ weskit and skirt take 2½ yards 54-inch fabric; blouse 1½ yards 35-inch.



4522
SIZES
S-14-16
M-18-20
L-40-42

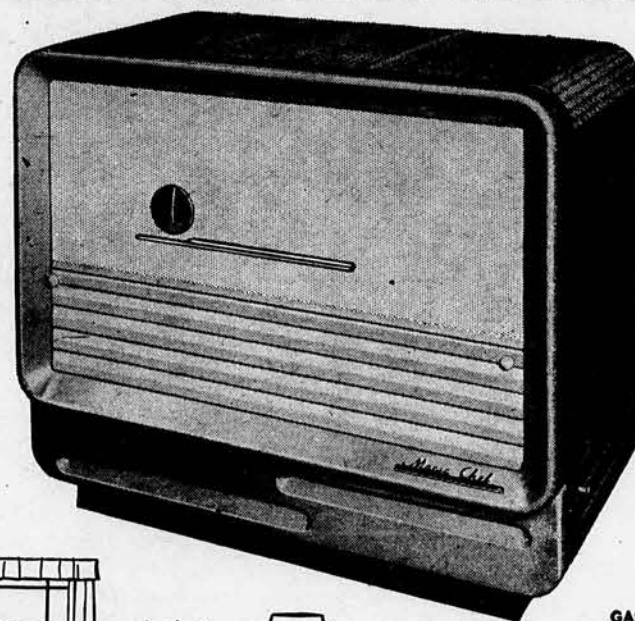
4589
SIZES
12-20
30-42

4877
SIZES
14½-24½

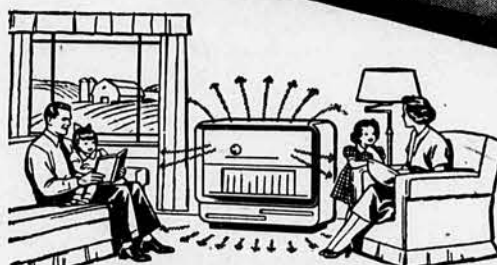
Patterns are 30 cents each. Address Fashion Editor, Kansas Farmer, Topeka. For first-class mailing send 5 cents more for each.

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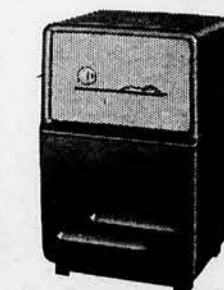


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QUICK METHOD BREAD

DISSOLVE 2 packages RED STAR Special Active Dry Yeast in $\frac{1}{2}$ cup warm water (110° to 115°F.). Let stand. SCALD $1\frac{1}{4}$ cups milk and pour into large bowl with 3 tbsp. sugar and 1 tbsp. salt. BLEND together and cool to lukewarm. STIR yeast-mixture well and pour into the bowl. MIX IN half the sifted flour (total amount used will be $5\frac{3}{4}$ to $6\frac{1}{2}$ cups), with 2 tbsp. soft shortening and beat until smooth. ADD more flour a little at a time, until dough is quite stiff and cleans sides of bowl.

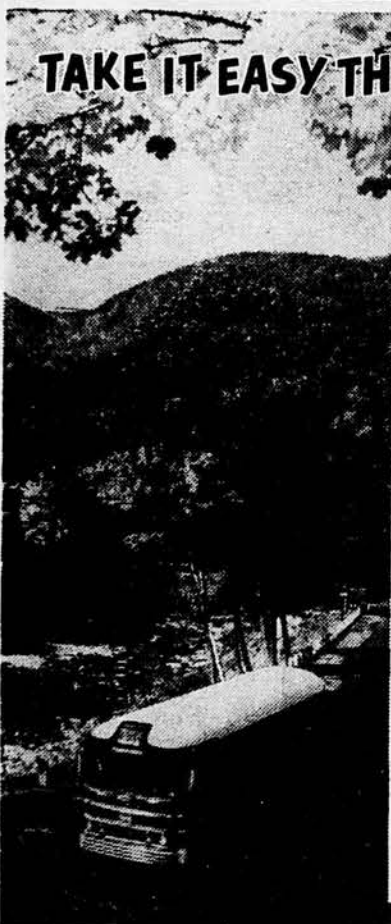
Turn onto lightly floured board. KNEAD 5 to 10 minutes until smooth and very elastic. Place in lightly greased bowl, turning once. Cover with damp cloth and let

rise in warm place about one hour, or until dent remains when finger is pressed deep into side of dough. PUNCH down dough. (To save time, second rising may be omitted.) Turn over and let rise again about 30 minutes, or not quite as high as before.

Turn out onto lightly floured cloth-covered board. Divide in two and shape into loaves. Place in lightly greased bread pans, 5x9x3-in. Cover with damp cloth and let rise in warm place 30 to 45 minutes, or until dent remains when side of dough is pressed gently with the fingers. BAKE in pre-heated hot oven (450°F.) 25 to 30 minutes or until well browned. Remove from pans and cool on racks. Makes 2 loaves.



Your Best Buy Today Is U. S. Savings Bonds



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KNOW YOUR BIRDS . . .

By L. B. CARSON

The Sparrow Hawk

Quickly he flies, graceful he sails
High in the air o'er hill and dale—
A bundle of courage, dressed like a knight,
A monarch in feathers, tho his stature is slight.

WHETHER YOU CALL him sparrow hawk, kestrel, mouse hawk, killy-hawk or grasshopper hawk, this little falcon is a general favorite. He likes to perch on wires and poles, and can be found along the highways or country roads, for these vantage points make it easy for him to see the mice and grasshoppers on which he feeds. He has adapted himself to the ways of civilization and often nests around churches, schools, factories or other buildings where nooks and crannies offer shelter. He has found such a site is just as safe as the old woodpeckers' holes and hollow branches which he formerly called home. The eggs, 4 to 6 in number, vary from white to cinnamon and carry heavy but variable markings.

He is a Beauty

This bird is one of the beauties of the bird world and as usual in this family, the females are larger than the males. His length runs from 9 to 10½ inches, while the adult female may measure as much as 12 inches. The small size, long tail and pointed wings distinguish this bird as a falcon. The reddish-brown back, 3 upright black marks on the side of the head, ashy blue wings, chestnut tail with a black band near the white tip identifies the male from his near relative the pigeon hawk. The female has the back, wings and tail a rich cinnamon, narrowly barred with black. Their breasts run from almost clear to heavily spotted in the male with brownish lines on the female. A brownish cap with blue brim covers the head. The white cheeks make the black markings on the head a good field mark.

They Are Playful

These little falcons are very playful and seem to enjoy chasing each other in graceful circles or in breeding season one (no doubt the male), may mount high into the air and then circle rapidly around the object of his desires, as she perches high on some twig in the top of a dead tree. William Brewster describes one as amusing himself at the expense of two flickers—"Calling clac-lac-clac-lac-clac-lac he would first hover over them for a few seconds, and then dart down close past them, to rise and hover again. Whenever they took flight he accompanied them, describing graceful curves and circles above and around them. That all this was done without malice on his part seemed obvious, and the flickers evidently so interpreted it, for they showed no fear of him and more than once flew into a tree where he had just settled, alighting within a few feet of him." We have seen them chasing other birds in much the same manner.

When pressed by hunger this bird can and does partake of other birds and can handle one fully as large as himself or when nesting in cities where mice and grasshoppers are scarce, young sparrows or other small birds make good substitutes and are easily obtained. No doubt young nestlings are just as tasty as a mouse or a tough old



grasshopper to the young hawks, at least they seem to grow well on such provender. If nesting near other birds, this hawk offers some protection for he is ever ready to protect his territory against other hawks, crows or other predators which appear in the vicinity.

Fed By Parents

The young remain in the nests for about three weeks but are fed by their parents for some time after they are able to fly. No doubt the parents teach them the finer points on how to make a living and lead them to the open fields where grasshoppers abound. August or September finds both old and young joining in their trip to a warmer climate where they spend the winter. These are replaced by their relatives which have been reared in northern areas and so we have sparrow hawks both summer and winter.

You may hate him for eating small birds or love him for destroying mice and grasshoppers, but any way you look at him, he is a beautiful bird and one that deserves your protection for he fills his place in nature's plan.

Readers Want to Know

We have been much interested in the articles "Know Your Birds." Are the birds commonly called rain crows and tree frogs, the same species? Some people here call them doves. I often hear them, but can't see them. Perhaps I need field glasses to be able to locate them.

Some other pretty little gray birds were here last fall which seemed to be migrating thru our area. They came close around our back door to get crumbs. They had a gray topknot, body a medium gray with 1 or 2 bright red feathers on the wing tips. They returned again in the spring. I have kept a scrapbook about birds for a number of years, but I cannot find any that look like these. Can you identify them for me? We love the birds around our home.—Mrs. H. J. Davenport.

The yellow-billed cuckoo and black-billed cuckoo often are called rain crows. Both are slim, long-tailed birds which move rather deliberately in their search for food and usually are well hidden by foliage. They have a rapid flight from the center of one tree to the next. The yellow-billed is larger, measuring slightly more than 12 inches long and shows more golden-tan on the wings and more white markings on the tail. The common tree toad and the green tree toad are both more easily heard than seen for they are small and protectively colored.

The birds with the red feathers on the wing tips and distinctive crest must have been cedar waxwings. Their name comes from the wax-like markings which you noticed. They feed on various seeds and berries, especially the seeds of cedars, bush honeysuckles, barberries, bittersweet or even persimmons and it is a little unusual for them to search for crumbs.

Have a Question About Birds?

If you have a question about birds address letter to Florence McKinney, home editor, Kansas Farmer, Topeka. Want to know about identification of a particular bird, how to attract birds, let us know. Answers will appear in later issues of Kansas Farmer.

Ten Kansas Women Attend ACWW Meeting in Toronto

Ten Kansas women attended the 7th triennial conference of the Associated Country Women of the World in Toronto, Canada, August 12 to 23. They were Mrs. Orville Burtis, Manhattan; Mrs. Grover Poole, Manhattan; Mrs. Earl Simmons, Ashland; Mrs. Everett Chamberlin, Valley Center; Mrs. A. T. Bundy, Hillsdale; Mrs. Mabel Carter, Bethel; Mrs. Flossie Cronie, Greensburg; Mrs. Ernest Wulkuhle, Leocompton; Miss Georgiana Smurthwaite, state home demonstration leader; Miss Katherine Geyer, both of Manhattan.

The Kansas women also attended the annual meeting of the Country Women's Council, USA, in Toronto, August 10 and 11. Kansas and National Home Demonstration Councils are affiliated with the Country Women's Council, a liaison group of the United States affiliated societies of the ACWW.

ACWW is made up of 124 rural women's organizations in 26 countries with a common objective, to raise the

She Likes Bird Stories

Dear Editor: I am enjoying the column, "Know Your Birds," by Mr. Carson. We are saving them for our school scrapbook.—Mrs. Ibba Stauffer, Douglas county.

standard of living in rural areas thru adult education programs. Nearly 1,000 delegates from 26 nations and observers attended the Toronto meeting. Women from Egypt, Lebanon, Japan, Pakistan and India were present.

Subjects discussed included programs in less developed areas, technical assistance, education of rural youth, economic problems of rural people, conservation of natural resources, international exchange programs.

Five of the group, Mrs. Burtis, Mrs. Chamberlin, Mrs. Poole, Mrs. Simmons and Miss Smurthwaite attended also the meeting of the National Home Demonstration Council in Boston, August 31 to September 3. In addition, Mrs. Verne Alden, Wellsville, and Mrs. Lawrence House of Goodland attended the Boston meeting. Mrs. Alden is central division director of the NHDC.

Kansas women had an opportunity to see many of the places of scenic and historic fame. "Canada Day," a musical and dramatic presentation of Canada's history was observed. Tours were taken to Ontario Agricultural College and Niagara Falls.

New Honor Given Master Farm Homemaker

Word has just been received from Boston, Mass., where the meeting of the National Home Demonstration Council has been held, that Mrs. Joseph Dawes, of Colby, has been elected president of the National Farm Homemakers' Guild.

Mrs. Dawes was chosen Master Farm Homemaker in the class of 1941 and has since served 2 years as president of the Kansas Master Homemakers' Guild. Mr. and Mrs. Dawes have lived for many years on a farm in Thomas county, where both have been interested in community affairs.

Birdhouses

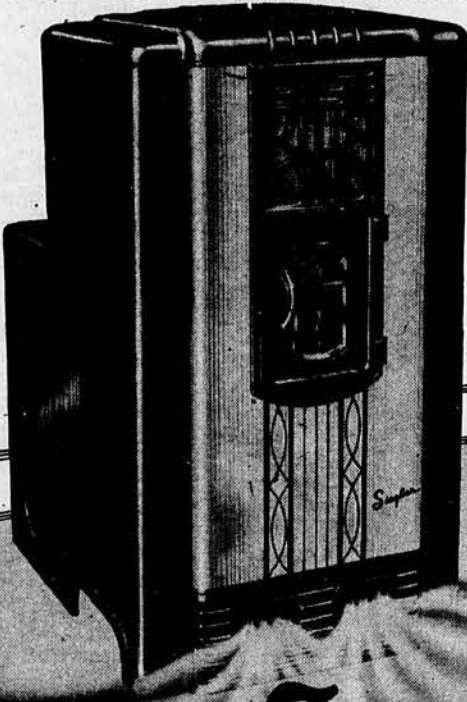
Now is the time to build birdhouses for next year. They will be well-seasoned by spring. We have ready for you a new leaflet called, "Learn How to Build Birdhouses." It gives complete instructions with drawings for building houses for martins, wrens, chickadees, tree swallows, robins, bluebirds and wood ducks. Send 5 cents to Farm and Home Service Editor, Kansas Farmer, Topeka, Kan. Ask for "Learn How to Build Birdhouses."

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4 TIMES HOTTER
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OVER YOUR FLOORS



Tropical Floor Heat

GETS TO THE BOTTOM OF THE COLD FLOOR PROBLEM

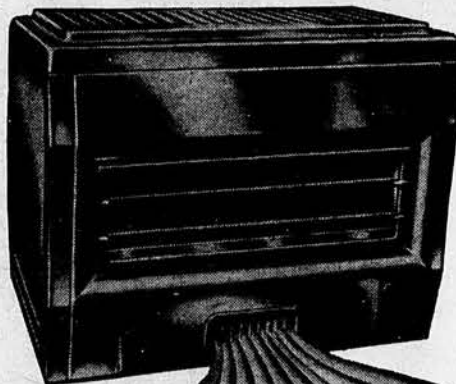
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TWO-IN-ONE-HEATMAKER saves up to 50% in fuel!
SIEGLERMATIC DRAFT ends chimney troubles!
CAST IRON CONSTRUCTION for a lifetime of service!
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Prove it—make the 'MATCH-TEST' at your Siegler Dealer

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ESPECIALLY DESIGNED FOR PERFECT PERFORMANCE ON LP GASES




New, Low Boy GAS HEATER

HEATS LIKE MAGIC
even with the gas turned OFF

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The
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POULTRY
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Containing New Drug
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Gives You
Both
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Removal of

TAPEWORMS
Large ROUNDWORMS
CECAL WORMS

(Tablets also remove
Intestinal Capillaria Worms)

"I may look O. K. but
**YOU'LL GET
MORE EGGS**

When I'm
Wormed
Regularly



In The Field ...

Thousands of poultrymen have proved Wormal the easy, low cost means for worming both growing birds and layers, without retarding growth or knocking egg production!

In The Laboratory ...

Tests, reported in scientific literature,¹ prove Wormal's exclusive drug Butynorate effectively removes tapeworms¹ with complete safety!

EASY TO USE—LOW COST

Just mix Wormal Granules in the mash for flocks, or give Wormal Tablets to individual birds. Flock treatment costs about a penny a bird. Ordinary wormers may cause loss of eggs and profits. Get safe, effective Wormal from your Hatchery, Feed or Drug store.

When you need poultry medicines, ask for

¹ Genus Raillietina
² Poultry Science, March, 1952

SALSBURY'S

DR. SALSBURY'S LABORATORIES, Charles City, Iowa

Your Best Buy Today Is U. S. Savings Bonds



The 1953 Christmas seals for the Crippled Children Fund are now ready.

The subject is a little girl whose blue eyes are full of wonder. Maybe she is dreaming of what Santa Claus will bring for her. Or, she could be a crippled child clinging to the hope that in some way she may be made well again.

The attractive design is done in four colors—yellow, red, blue and brown. It is a unique bit of brightness that will add interest to holiday mail. If you have not received yours, return coupon today for a FREE sheet of 100 seals.

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The Capper Foundation for Crippled Children
8th & Jackson Sts., Topeka, Kansas

Dear Sir:

I accept your offer to send me a sheet of 100 Christmas Seals with the compliments of the Capper Foundation. Sometime before Christmas I expect to send my contribution to the Crippled Children Fund.

NAME

ADDRESS

THE POET'S CORNER

Bingo

The city ladies sometimes win
By placing corn on nines or twelves.
I always win! I have home-canned corn
In rows upon my cellar shelves.
—May Smith.

My Mother's Hands

They were not small and white ...
bedecked with rings,
But Oh, they were so right
for such important things
As keeping house and
kneading bread,
And smoothing covers
on a sick child's bed;
Like picking berries
for our winter store,
And tending fires ...
that daily, endless chore;
No, mother's hands were never
meant for rings,
They were too busy
with these more important things
—Anna K. Leonard.

Consideration

Better than jumping at conclusions
When you view another's acts
Is to save your hasty judgment
And wait to hear the facts.
—Ruth King Duerksen.

Pay Dirt

Two ways to be rich,
Contented and such;
One to want little,
The other have much.
—Hazel Griffith Davis.

Don't Air the Heir

New friend, if you're a mother,
Please let us get one thing clear.
I'll be bored to death with your
pictures
Of the deucedly clever dear.

I won't think his sayings are clever,
Or that he's advanced for his years.
So don't begin spouting his praises
Till I'm filled with it up to my ears.

If you'd like our young friendship
to blossom,
Don't tell me your child is fine,
Just sit and smile and nod your
head
While I tell you how bright is mine!
—Marilyn Plassmeyer.

Let Them

I always did admire folks
Who do things our own way,
No matter what the neighbors think
Or what they choose to say.

For like the boy who rode the beast
And let his father walk,
You can't please everybody
So let the people talk.
—Anna K. Leonard.

Youth Insurance

You won't grow old if you get your
sleep,
Are the words of a wise old doc.
It's true if you doze behind the wheel,
For few survive the shock.
—Ruth King Duerksen.

FOR YOUR NEEDLE

7151—Iron-on fruits and vegetables
in red, yellow, green. Decorate your
kitchen linens. No embroidery. Wash-
able. Transfer of 16 designs; 8 about 3
by 4 inches; 8 about 1½ by 2 inches.

7279—Corsage from nylons. Flowers,
leaves, stem made from discarded nylon
hose. Costs almost nothing. So easy,
thrifty. Make for yourself, to give as
gifts. Directions complete.

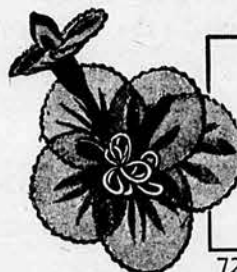
638—Crochet the new round
tablecloth. Pineapple design in
this 52-inch circle. Use mercer-
ized crochet and knitting cotton
for cloth, fine cotton for center-
piece. Complete crochet direc-
tions.

7381—Simply iron-on blossoms
in yellow, pink and green to make
old linens look like new. Transfer
of 8 designs, 1½ by 2½ to 4½
by 13 inches.

**IRON-ON COLOR DESIGNS
IN RED, YELLOW,
GREEN.**



7151



7279

7381

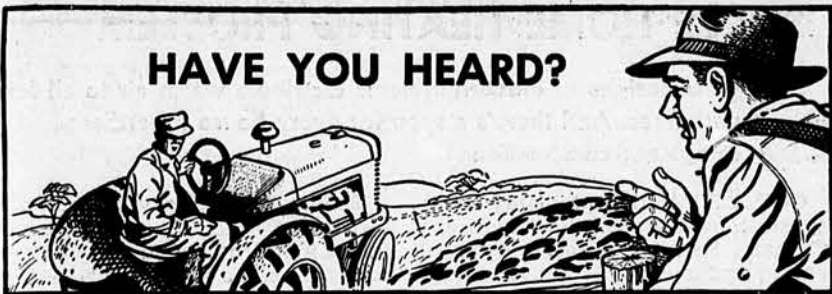
**IRON-ON COLOR DESIGNS
IN YELLOW, PINK, GREEN**



638

Patterns are 25 cents each. Address Needlework Editor, Kansas Farmer,
Topeka. For first-class mailing send 5 cents more for each.

HAVE YOU HEARD?



Notes on New Products and Folks Who Make Them

Case Tractor Model "SC" is announced by J. I. Case Co., Racine, Wis. It has 15 per cent more power with im-



proved fuel economy. Dual Valve Constant Hydraulic Control, operated by twin levers, is regular equipment. Foot clutch leaves hands free for use of hydraulic control and steering at same time. All Eagle Hitch rear-mounted implements can be used.

Farmech Snap-Lock Pin is for use with Ford and Ferguson Tractor drawbars, and all 3-point hitches, to lock drawbars or implements to tractor. Farmech, Parkersburg, Ia.

Wood Brothers Mfg. Co., Oregon, Ill., announces new items. Model 5 is a single blade rotary cutter and mower. Cuts and shreds a 5-foot swath thru grass, weeds, brush, stalks or cover crops. Model 80 cuts an 80-inch swath, a smaller model cuts a 61-inch swath.

Roach Trap controls crawling insects in addition to roaches giving you troubles. Removes necessity of using



poison. Protects your health against spread of disease. Benton Sales, Box 361, Amarillo, Tex.

Danuser Post Driver is a new, easy, fast, and inexpensive method of setting fence posts. Danuser Machine Co., Fulton, Mo.

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ADVISORY COMMITTEE OFFICERS in Kingman county meet with home demonstration agent following regular bi-monthly meeting. Left to right: Mrs. Merton Kostner, vice-chairman; Mrs. Roscoe Madison, chairman; Mrs. Jim Rockers, secretary-treasurer; and Dorothy Vanskike, home agent. The committee is made up of 25 women, each of whom represents a township or town of more than 2,500 population, and is elected for 2 years. The committee plans unit lessons, special interest meetings, social functions, and acts as councilor in answering extension home economics problems.

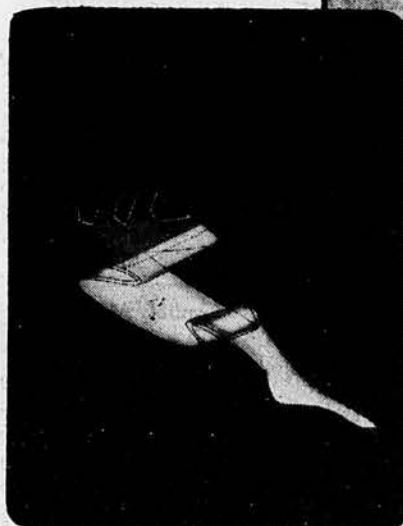


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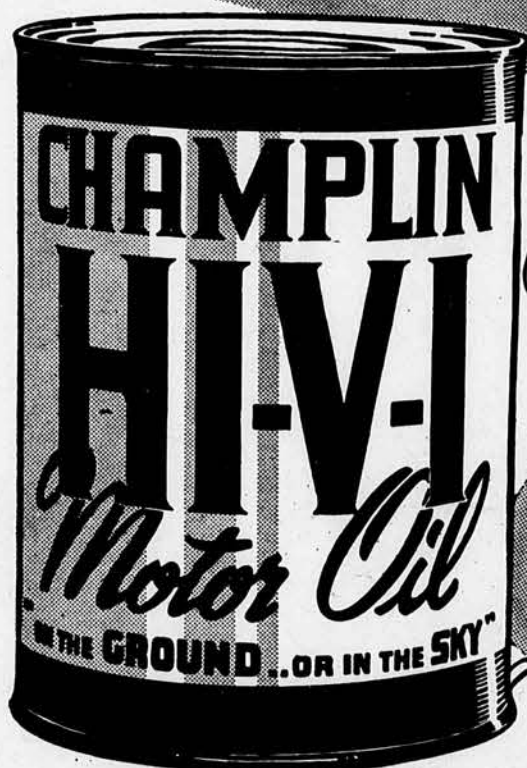
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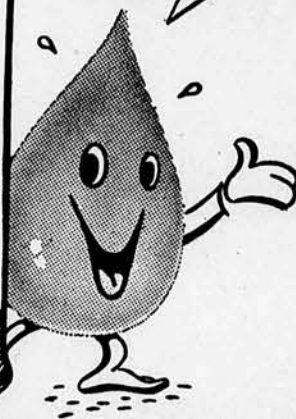


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SOLVE HOME HEATING PROBLEM

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GOT A HEATING problem? Don't despair. Something can be done about it. That's because there's a type of heating equipment to fit just about any house, new, old or odd.

Take the case of the A. J. Klendas, in Marion county. Their house, built in 1918, is of the big-family type of that day. It was honestly built and still sturdy, good for another generation or so. But it was just too roomy for comfortable living in winter.

A floor furnace wasn't adequate. Nor would any other single unit type be satisfactory unless it were of outsize capacity and that would mean big fuel

The dual system saves heating bills because of lower temperatures maintained in bedrooms and guest rooms. It also solves the problem of the over-worked single furnace and the single-control problem. Thermostat of one system is little affected by temperatures of the other. Usually the only way to warm up a second floor or a distant room in a single-plant system is to make the first-floor rooms too hot. And frequently that doesn't work. But the effort does waste fuel.

A. W. Regnier, Lyon county, had a different problem. His farm is in the

(Continued on Page 31)



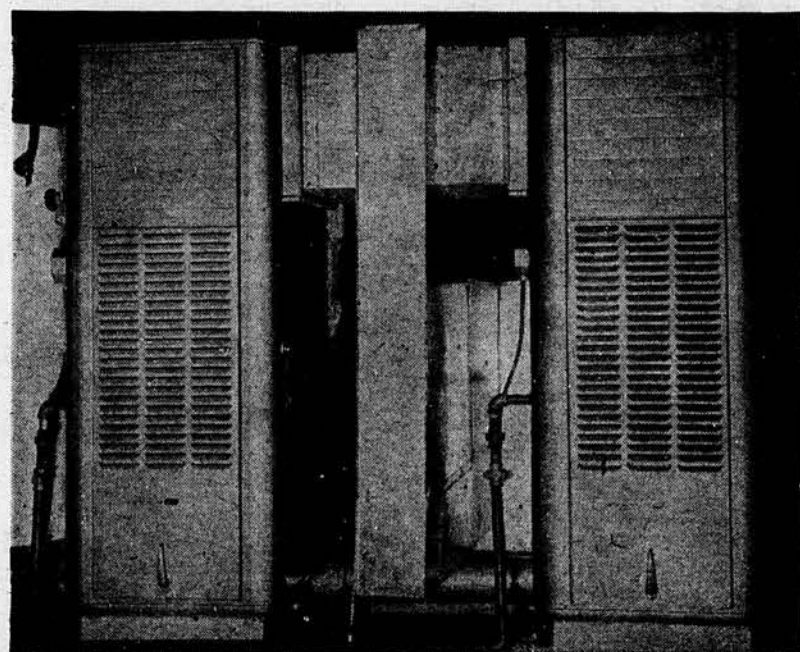
THERE WAS JUST too much house for the old heating equipment. Now two-zone heat from twin furnaces provides cold weather comfort in the A. J. Klenda home.

bills. The Klendas do most of their living downstairs, so that was the area they wanted to be comfortable. No use keeping the upstairs shirt-sleeve warm, but they didn't want it cold, either.

They found what they needed in a twin installation. Two LP-Gas furnaces were set up side-by-side in the basement with cold-air intake chamber between them. One serves the living room, dining room and kitchen and maintains waking-hour temperatures of 75 degrees. The other furnace serves the upstairs and 2 bedrooms downstairs. Thermostat for this system is in one of the first-floor bedrooms and is set to maintain a temperature of 65 in daytime and 60 at night. The setting can be raised or lowered at will, or registers in any room may be shut off as desired. In case of a colder day, company, an aged person, invalid, sickness, evening study or reading, it's easy to boost heat in the rooms served by the second system to comfort level and heat rooms up in a matter of minutes.



THE REGNIER plant isn't much bigger than a refrigerator. It was set up in the space formerly occupied by a cookstove.



ONE FURNACE heats daytime living quarters to 75 degrees. The other serves the Klenda upstairs and 2 first-floor bedrooms at cooler temperatures, to save fuel.

Neosho river bottoms and his basement is subject to flooding. To avoid that hazard, he installed the forced-air unit in the kitchen where the old cookstove had stood. It is as attractive as any appliance and so detracts none from the decorations. Six 3½-inch pipes, housed in a boxed chamber, extend up from the furnace and across a doorway to the pantry where they fan out to rooms on 2 floors of the home.

The system replaced a hand-fired, hard-fuel furnace which was slow to warm up and which didn't distribute the heat evenly. "Our house is warm all over now," said Mrs. Regnier, who notices her house plants grow better than before. "The heat is more uniform and more consistent," she added.

"That's because we have complete, automatic control and distribution," Mr. Regnier explained. "Also in summer we can use the system for air cir-

culation. It makes a big difference in comfort on a hot day."

Of course, any of the new heating plants can be installed in a new home where provision for central heating is made in the plans. It's in the old houses, too good to wreck or remodel, the new designs offer greatest possibilities for winter comfort. There are thousands of such houses which will be homes many years to come. And there is equipment on the market to fit just about any problem offered. There are circulating space heaters, panel heaters and floor furnaces; tuck-away types which will go into any room, a big closet or hallway, a spare room, an unused pantry. Other models go under the floor or in the attic. So lack of basement, utility or workroom is no obstacle. With the small stacks and forced air, there is little difficulty in getting warm air to the different rooms.

Nematode Problem Can Be Handled By Rotation and Chemicals

By WILLIAM G. AMSTEIN, Kansas State College

GROWERS OF VEGETABLES, flowers, fruit and nursery plants in Kansas have a soil problem caused by nematodes. A large number of different kinds of plants are attacked. Some folks know of this problem as root knot.

Plants with root knot or nematode vary a good bit in appearance. Some short-season crops may not be visibly injured. The condition is much more noticeable on long-season crops. Dry, hot weather which also causes a stunting and yellowing of plants can be confused with nematode injury. Loss of foliage may be noticed and in severe cases of nematode injury actual killing of the plants will occur.

Do Not Move Far

A nematode diseased plant will have swollen, misshapen roots. At an early stage this might be mistaken for nodules as they appear on legumes produced by nitrogen-fixing bacteria. Root knot is caused by nematode (eelworm) that is so small it cannot be noticed by the naked eye. Nematodes ordinarily do not move very far. Working the ground serves to move them around some. Use of infected plants can be a common cause of this trouble. Equipment moved from one area to another is way of spreading nematodes. Drainage from one area to a lower field may move them. We have not been troubled this way very much this summer.

Crop rotation is one of the best and most practical measures to help control nematodes. In an area known to have nematodes, crops subject to this condition should not be grown for 2 or 3 years. Weeds will serve to carry nematodes along so they should be kept down, also.

Since soil fumigation is expensive, it is not suggested except where real high value crops are to be grown. Also, if only one area for certain crops is available. Gardens, greenhouses and similar areas may require use of fumigants. Better methods of applying control chemicals, together with lower costs, have increased use of control materials.

Among several commercial materials for fumigation are Larvacide (chloropicrin), D-D mixture, Dowfume G, Iscobrome and Soilfume. It is necessary to have the land free of crops during the period of treatment. Two or 3 weeks should be available before any plantings are made after treatment. Proper use of these different materials is important. Correctly used, good nematode control can be obtained from the use of soil fumigants.

Clean cultivation will help reduce the

carryover of nematodes. This practice can be used with excellent results except where erosion is a problem.

Buy your plants or nursery stock of all types from reliable firms that practice control measures and have had their plantings inspected and licensed. Diseased plants put out on clean ground will spread the trouble.

In the future we will have either varieties or strains of our important crops that are resistant or tolerant to nematodes. Some real progress has been made in this manner and more results are promised by work now underway. Bixby lima bean developed by Oklahoma A & M is an example of this.

Most common garden vegetables except sweet corn are susceptible to nematodes. Fruits such as strawberry and peach are subject to this injury. Rose, sweet pea, violet, hollyhock, peony, and begonia are among the plants subject to nematodes.

Crops resistant to nematodes are corn, kafir, milo, wheat, oats and rye. A few ornamentals that are resistant include zinnia, marigold and narcissus.

Announce New Grain-Drying Storage Unit

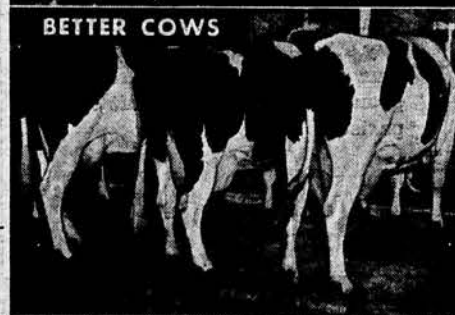
Announcement was made of a revolutionary grain-drying and storage unit, at recent meeting of American Society of Agricultural Engineers at Chicago. The unit is called Quonset 16.

It makes the corn picker-sheller a practical harvesting machine for corn growers, and teams up with that implement to cut farm labor and storage costs. Report of Quonset 16 to the meeting was made by D. B. Poor, agricultural engineer for Great Lakes Steel Corporation, and chairman of the society's farm structures division.

During 1952, the drying-storage unit demonstrated shelled corn of up to 25 per cent moisture content may be successfully dried with unbeated air while in storage. The unit is 16 feet wide, equipped with a unique down-flow aeration system. The small-grain grower can start combining earlier in the season, earlier in the day, and enables him to combine when conditions are too high for placing grain in storage.

Set Turkey Crop

Kansas' 1953 turkey crop is set at 668,000 birds, according to the U. S. Department of Agriculture and the State Board of Agriculture. The number is 10 per cent less than 1952.



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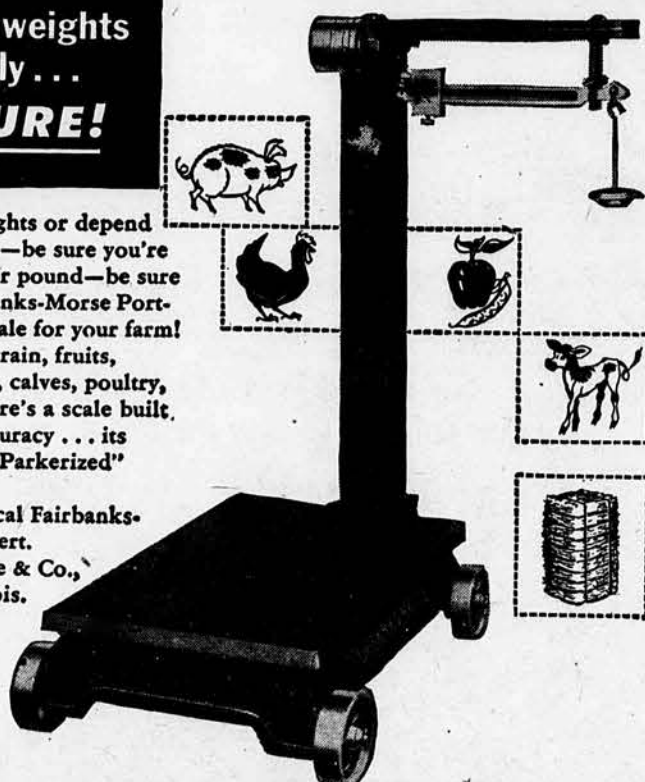


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It's a Problem—Land Held Out By New Acreage Allotments

By CLIF STRATTON, Kansas Farmer's National Affairs Editor

ACREAGE ALLOTMENTS for wheat, cotton, probably corn; these reinforced by marketing quotas for wheat and cotton, indicate diversion of somewhere between 30 million and 33 or possibly 34 million acres to other crops for 1954 harvest.

That is nearly one tenth of all the farm land on which 52 major crops were produced last year. And it poses a problem for farmers themselves—and for Government. Because it seems almost inevitable that Government will come to the individual farmer's assistance. At the least, with advice. At the most, with regulations designed to guide the farmer's choice in what he will do with the diverted 30 million or so acres.

Roughly these are the acreage reductions for 3 major crops with undisposible surpluses:

Wheat, definitely according to allotments being—mostly having been—made: 16.6 million acres.

Cotton, perhaps as much as 7.1 million acres to go to other purposes. Department of Agriculture has not announced any figures on cotton, but observers consider latest crop prospects as indicating a reduction in acres planted from the 24.6 million this year to something like 17.5 million for 1954.

Acreage Allotments Likely

On corn, acreage allotments are regarded as likely, altho not definitely determined upon. Based on previous experience, supplies on hand plus probable 1953 yields could call for a reduction of 8 or 10 million acres in the commercial Corn Belt. Areas outside commercial belt will not be affected.

Secretary of Agriculture Benson is not expected to ask any referendum on marketing quotas for corn. A large part of the corn crop does not get out of the county in which produced—until after Nature has manufactured it into some form of meat. And besides, Congress thoughtfully failed to provide any penalties for marketing in excess of quota, even if these should be voted. Government's only legal club is that in the commercial corn area, those exceeding acreage allotments in planting would not be eligible for corn loans.

Not many farmers will be hit 3 ways by the wheat, cotton, and corn control programs. But a not inconsiderable number will be caught twice; double cuts generally will be wheat and corn or cotton and wheat. Commercial corn areas do not include much cotton acreage.

It's a safe bet that not anywhere near all of the likely 30 million acres scheduled to go out of production next year will be allowed to lie idle. Farmers will find a way to put most of this land to other uses. But what other uses? In many cases that poses a problem. And there always is the possibility—in many instances the probability, in some instances the certainty—that surpluses of other crops will be produced from diverted acres.

Soybeans a Problem

One problem very likely will be soybeans, in the commercial Corn Belt area particularly. Soybeans gets 90 per cent government price support; there are no planting controls. Also, there is a big crop in prospect this year. Fact, supplies of all vegetable oils together are—well, in surplus, to put it mildly. So it looks as if Uncle Sam, thru the Commodity Credit Corporation, will do a rushing business, buying soybean products.

Some cotton land, some spring wheat idle acres, perhaps some diverted winter wheat acreage east of the main Wheat Belt, also seems in line for soybean production. Then there is flaxseed. There is a full year's supply now in storage, but some wheat land seems due to get soybeans next year.

In the southern Great Plains area a lot of diverted wheat acres will go into grain sorghum production; oats and barley in the Corn Belt. Nearly all these also are being produced in surplus already. Regulating production of wheat, cotton and corn may solve the problems of these producers—maybe—but it seems certain to create some other surplus problems.

Present general policy in Department of Agriculture is to allow the states; let PMA committees, Extension Service, State Agricultural colleges work out with farmers in their territories the best practices to follow in switching 30 million acres of farm land from 3 major price-supported crops to other crops—some of them also price-supported and with or threatened with surpluses.

Could Lower Supports

In the case of soybeans, of course, Secretary Benson could take chips in the game. He has the same authority to lower soybean supports from 90 per cent of parity to 75 per cent of parity that he could have used to lower butter support from 90 to 75 per cent. He elected not to use it on butter, even tho butter had measurably priced itself out of a good deal of its market. And the 87 plus per cent vote of wheat growers against lowering wheat support price levels will not be an encouragement for a Secretary of Agriculture to lower supports for other commodities.

The argument by Charles W. Holman, secretary of the National Milk Producers Federation, on maintenance of the 90 per cent parity price supports for dairy products, seems unanswerable. Also, it can be applied in principle to many other farm commodities and products.

"At the present time," Mr. Holman points out, "prices of feeds are held up by compulsory price supports for the field crops (from which feedstuffs for dairy cattle are made). Other costs and taxes paid by dairymen have not fallen. At the same time, prices of beef on the hoof have fallen, thus offering no satisfactory method for dairy farmers to make a living. (Dairy herds supply approximately one third of the animals slaughtered for beef.) Prices for dairy products generally have declined, further tightening the pinch upon the dairy farmers."

"Under these circumstances, while not relishing it, dairy farmers are dependent upon government price supports. These supports are in the form of purchases at a given parity level by Commodity Credit Corporation."

"Since the so-called basic field crops (which include those fed to dairy cattle) are supported at 90 per cent of parity, the National Milk Producers Federation has taken the position that Commodity Credit Corporation should

(Continued on Page 33)

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Foregoing seems to go to the heart of the support program. If the Federal Treasury supports a few groups, it is not logical for Treasury support to be denied another group. Particularly if the other group is large enough to organize and bring pressure to support the justice of its claim.

Holman says the dairy group is trying to work out a program of "self-help" by which a federally financed stabilization corporation would handle surpluses, charge operation costs and possible losses thru sale of part of same back against the industry.

General feeling in political circles is that the wheat growers 9-to-1 vote for marketing quotas means the 90 per cent supports will be continued at the next session of Congress, and perhaps extended to other than the basic crops, where these are at present mandatory.

Look for Congress to study a 2-price system for wheat—perhaps cotton—at coming session.

Rep. Clifford Hope, Kansas, chairman House Agriculture Committee, looks with favor on some 2-price system as a wheat solution. If his committee hearings show a favorable reaction, is expected to push it.

MARKETING VIEWPOINT

By LEONARD W. SCHRUBEN

Will there be enough livestock feed this winter?—R. B.

The feed grain supply in the U. S. is expected to equal or exceed last year's supply by about 1 per cent. Fewer animal units are to be fed, declining from 169 million to 167 million. This means the supply of feed concentrate per animal unit will be greater this season as compared with last season. It also will be greater than average for the previous 10 years unless the hot, dry weather reduced yields to an unprecedented extent. On an over-all basis the U. S. will have plenty of feed grains this winter. On top of this, the U. S. has the largest wheat crop in history and wheat, when fed properly, is excellent stock feed.

The protein supply for the coming feeding season also will be adequate unless yields of soybeans and cotton were cut by hot, dry weather. The August 1 indication of cottonseed production was 5.97 million tons (if the lintseed ratio is average) compared to 6.18 in 1952. Soybean production was estimated on August 1 at 295 million bushels compared with 292 millions in 1952. Of course, the soybean crop has suffered with dry, hot weather since August 1. We don't know how much but the market price, by advancing, tells us there has been quite a bit of damage.

While supplies of grains and protein appear adequate on an over-all basis, some areas will be short. These 2 feed-stuffs are not too difficult to transport so prices are not expected to advance as much this season as usual. However, reports indicate the roughage situation remains serious in many areas. Since hay is bulky, and expensive to ship per feed unit, it probably will be relatively high in price again this winter. Some hay can be saved by substituting grain in the wintering ration.

Tankage and dehydrated alfalfa meal look underpriced in the market. Grain will probably be cheap relative to hay. It will pay many feeders to review their operations and substitute cheaper feeds. For the grains, Kansas State College has just released a Circular No. 299 entitled, "Grain Substitution in Feeding Livestock," that may prove helpful. You can ask your county agent or write the college if you want a copy.

IFYE Delegate Here

Kansas has another IFYE delegate living on her farms—Helga Schaezel, 26, from Rheinland Pfalz, Germany. Miss Schaezel arrived July 22 to spend 2 months. She is living with 2 families during her stay, will visit many areas.

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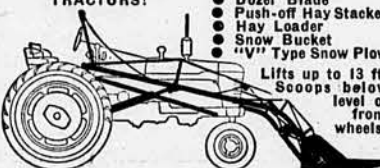
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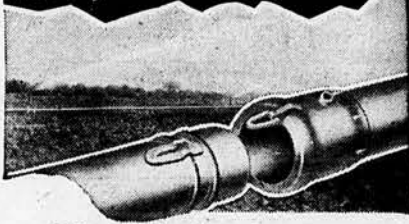


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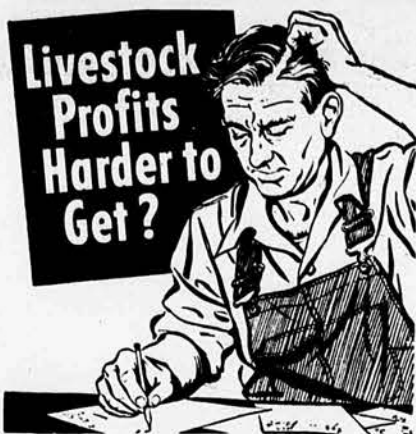
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DON GOES TO LEBANON AND SYRIA

Lebanon is important because it serves as a bridge between East and West; is about the size of 5 Kansas counties

Remember, Kansas Farmer promised to bring you letters from 2 of our Kansas 4-H'ers who are spending some time on farms overseas this year. Here is the fifth letter from Don Weixelman, of Louisville, in Pottawatomie county, who has gone to Lebanon and Syria.

DEAR MR. GILKESON: We got to Beirut July 26. After staying 2 days there we went to our respective farms in Lebanon. However, before I came to Mr. Scraffs 20,000-acre truck farm, I spent a few days at a French agriculture school near Baalbek (French spelling). Here a program was being conducted similar to the American Point-4. In my short stay at the school I really didn't find out too much about it, except that it was providing valuable information to the Lebanese farmer and doing some very good work in insect control and agronomy.

Before I go too far in this letter I would like to tell you a little about the background of Lebanon. It is a Republic less than 35 years old and is bordered by Syria on the east and north, Israel on the south, and the Mediterranean on the west. Its population is 1,250,000 and has an area of 4,000 square miles. In comparison to Kansas, Lebanon has about $\frac{1}{5}$ as many people living in an area that would cover $\frac{1}{20}$ of the state or 5 counties. Nearly half of the population lives in the city of Beirut, the nation's capital. About 55 per cent of the population is Christian and 45 per cent Moslem. The country is primarily mountainous except for the Bekoa Valley.

Lebanon is important because it serves as a bridge between East and West. It has fulfilled this role successfully for many centuries. Has been famous for world trade every since the time of the Phoenicians when it served as a gateway to the Far East.

Once Famous for Cedars

The territory now called Lebanon once was famous for cedars which were used in ship building. However, the cedars of Lebanon are gone except for a few—50 which are being protected by the government.

The American University of Beirut is the largest American university outside the United States. It serves not only Lebanon but all Arab states and North Africa. It was chartered under the laws of New York in 1886 and has grown to have a student body of 3,000. All courses are taught in English, they use American textbooks and a large portion of the faculty comes from the States. Very recently an agriculture school was added to the university, which will be helpful for all Arab states.

America's principal interests in Lebanon are: trade in American products, such as cars and radios; Beirut is an important port in the Near East and American ships stop there. Beirut has the finest airport in the Near East and it is internationally used, and the 1,000-mile Trans-Arabic pipeline ends at Sidon where ships are loaded with petroleum to be refined in another country (much in U. S.).

Because of the nominal state of war between Israel and Lebanon (as well as Israel and the rest of the Arab states) Lebanese trade has been considerably curtailed. However, Lebanon still exports fruit and vegetables, raw wool, olive oil, leaf tobacco, and small manufactured goods to countries other than Israel.



DON WEIXELMAN
Louisville, Pottawatomie County

Chief agriculture area is the Bekoa Valley. This famous biblical valley where Abraham grazed his sheep, lies between the Lebanese and anti-Lebanese mountain ranges and is about 3,000 feet above sea level.

I am now staying in this valley on Mr. Scraffs 20,000-acre truck farm located near Zakle (French spelling). Here I am having serious language trouble. The principal language of Lebanon is Arabic and second is French. The little French I know comes in handy but I don't know enough of it. Despite this difficulty, I am beginning to know these people and to share with them their work, entertainment, and Arabic coffee.

I am working on the farm with 2 young men who are refugees from the Palestine war. They work 9 hours and earn 2 Lebanese pounds or 58 cents. On the 58 cents they have to eat and clothe themselves as well as take care of any other expenses. The 2 boys' names are Jack and John, as I call them.

I Visit an Adobe House

John invited me to his home, which is a little below average for Lebanon. I met his father, mother, and 6 brothers and 3 sisters on the outside of the house as they were enjoying the cool evening air. I noticed their house was made of adobe and it has 2 doors and 1 window, none of which had glass. John invited me in and we walked across the single room and sat down on a mattress-like deal that had 2 pillows in the middle on which we could lean.

As I began to look around the room I noticed it was about 30 feet square and the only furniture they had was a single short stool. In the far corner the fire was burning in the fireplace. There was a pot on it which contained the family's supper, stew or some kind of soup. They had another stove on which John was making the tea. It looked similar to a blowtorch with a cooking burner on top. They had about 3 pots in which they cooked and the teapot. When I examined the walls I noticed their silverware was hung up. It consisted of 12 spoons (I counted them) all different sizes and colors. However, the whitewashed walls and concrete floor were much cleaner than I expected to find them.

As we were waiting for tea to be ready a small boy who had learned to speak English in school came in and

(Continued on Page 35)

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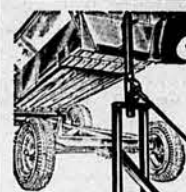
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COMING, NEXT ISSUE . . .

School has begun and Mom keeps the cookie jar full for after-school snacks. To help Mom, the home editor of Kansas Farmer is presenting 5 new cookie recipes, headed by one flavored with molasses and ginger. It's moist, keeps well and tastes wonderful. Watch for these recipes in the October 3, issue.

at down with us. Thru him I managed to find out that all the family sleep in this one room. He also pointed out that under the blanket in the far corner were more mattresses like the one we were sitting on. At night these are rolled out on the floor for the family to sleep on. He also told me much of the food and clothing used by the refugee families came from the United States thru the United Nation Refugee Relief Organization. This I was glad to hear, because we hear so much of the time back home that food and clothing we give for such purposes does not reach the people in need. This time it did.

I have been in many homes like this in both Lebanon and Syria. Some better, some much worse. I considered this one to be very typical. Some only have a dirt floor, some have glass windows, but very few of the latter.

Sometimes back in the states we don't realize who these refugees are in the Near East; I didn't. They are people who were driven out of what is now Israel in 1948. This war, and refu-

gees which it left behind, has caused much unrest here in the Near East. It also has caused much dislike towards the United States, because it was our guns and equipment that drove these people from their homes with only the clothes they could save. People who were rich as well as the poor were driven out. This is one of the reasons Arab countries don't like the United States. They know it was us who drove their people from their homes.

However, Americans are building some good will here again. The food and clothing are helping to do this, and maybe the Americans who are here realize Israel may have been a mistake for us and can sympathize somewhat with these people. When someone asked us, someone with whom we are trying to build good will with, and with whom we are working as well as drinking tea, "Why did you drive us from our homes?" it is a very hard question to answer. How would you answer it? If you get a good answer send it to me. I can use it.—Don Weixelman.

No. 2 in a series of articles
on how to grow flowers

HYACINTHS—Sweet Flower of Spring

By FRANK PAYNE

Here is our friendly flower expert back again with another series of articles you will want to clip and save. Frank Payne makes his living growing flowers. He has to know how to grow them.—R. H. G.

MANY FLOWER LOVERS want plenty of fragrance from their flowers. Well, if they will only grow some hyacinths they can have early spring flowers, plenty of color and just gobs of fragrance. One spike of a pure white hyacinth when in full bloom will fill an entire room with the sweetest fragrance. You will not have to be told about them. One sniff and you will know there are hyacinths somewhere near. The most fragrant are the pure white kind and the name of that variety is L'Innocence.

Hyacinths were found in Asia Minor. Almost all bulbs sold today are produced by Hollanders who seem to know best how to grow them. They are easily grown outdoors, in the house or commercially by greenhouse growers for the early spring trade as potted plants and offered for sale in all florist shops.

For outdoor planting they must be planted in early fall. October is the best month to do that in this section. A special size bulb called "bedding size" is best used for outdoor plantings. They are 15 to 16 centimeters in diameter and produce blooms not so heavy, therefore stand rainy or windy weather.

Where They Look Best

Hyacinths look best planted in beds about 6 inches apart each way. Six to 8 inches deep is the proper depth. You can leave them in the same location several years without bothering to dig them up. Blooms may be cut and brought into the house for cut flowers, but please do not cut off the foliage until it turns brown as the foliage develops the flower bud for next year's bloom.

Hyacinths do well in any good, fertile soil but they must not be planted in wet places where water may stand. Always select a well-drained site. Here is a list of good varieties in various colors I can recommend to you. They may be bought at your favorite seed store or at the bulb counters in variety or department stores. All of these varieties are single—seem to do well and please everyone. Single red and pink shades: General De Wet—light pink. Gertrude—dark pink. Inez—soft rose. Lady Derby—rose. La Victoire—brilliant scarlet. Tuberger's Scarlet—red.

Single light and dark blue: Bismarck—bright blue. Grand Maitre—porcelain blue. King of the Blues—dark blue. Perle Brillante—light blue.

Single white and bluish-white: Arenline Arendse—snow white. General Vetter—almost pure white. Grandeur

A. Merveille—blush white. L'Innocence—the best pure white.

Single yellow and violet: City of Haarlem—golden yellow. Distinction—ruby red striped garnet. Lord Balfour—violet. Sir Wm. Mansfield—ruby violet. Yellow Hammer—light yellow.

Now if you should want to grow Hyacinths in pots you must get only the largest forcing size bulbs. They are 18 to 19 centimeter size. Pot singly in 4- to 5-inch pots in September, about a month earlier than for outdoor plantings. Water the soil in the pots well after planting and sink pots in the ground outdoors. This allows them to get the roots started, and it takes a full 8 weeks to do that job well. You can then take up the pots about the first week in December and keep in an outdoor cave or fruit cellar in a dark place. Do not bring into the house until the bud is up a full 2 inches. Place in a cool and shady room for 2 weeks more before bringing into full sunlight. The idea is not to get them forced too quickly into bloom or the flowers will get stunted.

Be Sure of This One

By all means, have at least one pure white L'Innocence in one of the pots. When you get a good, big sniff of the sweetest perfume from that pure white flower you will surely say, "I am glad that old grower knows his hyacinths."

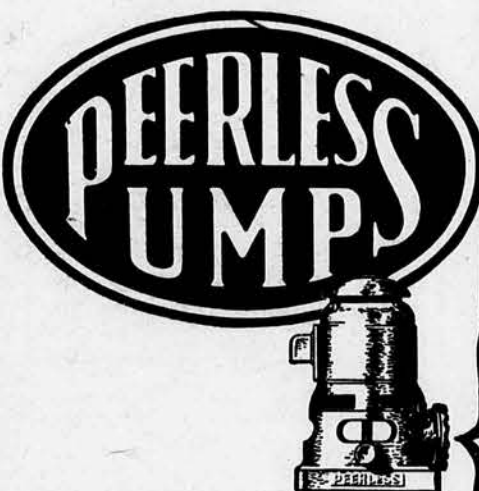
Now, hyacinth bulbs may be the most costly of fall bulbs, but they are certainly worth all you pay for them. When you divide the cost over the period of years they grow and bloom in one spot with no care at all, they really are not too costly. If you like spring flowers, you are sure to love hyacinths.

I must tell you about another type of hyacinth. It happens I love dainty, small flowers. Blue is my favorite color. A real deep, rich blue. Anyone so particular about their blue shade may have difficulty finding a flower to their particular liking. Not me, I already know some. They are called Grape Hyacinths. Their correct Latin name is Muscari. The variety Heavenly Blue is a dandy, while Alba is a pure white. Grape Hyacinths have a clove carnation odor.

If you have some fancy little bud vases get some of both colors and keep a dainty bouquet on the coffee table or the dressing table. You will not be disappointed in growing some Grape Hyacinths if you love small, dainty flowers. They are becoming more popular each year. They are at home in an average loamy soil and will flower towards the end of April. Like most bulbs they seem to prefer a slight shade. Plant the bulbs in October, setting them in clumps about 4 inches deep. Leave them in the same spot many years, they will keep on blooming each spring.

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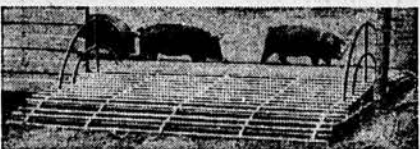


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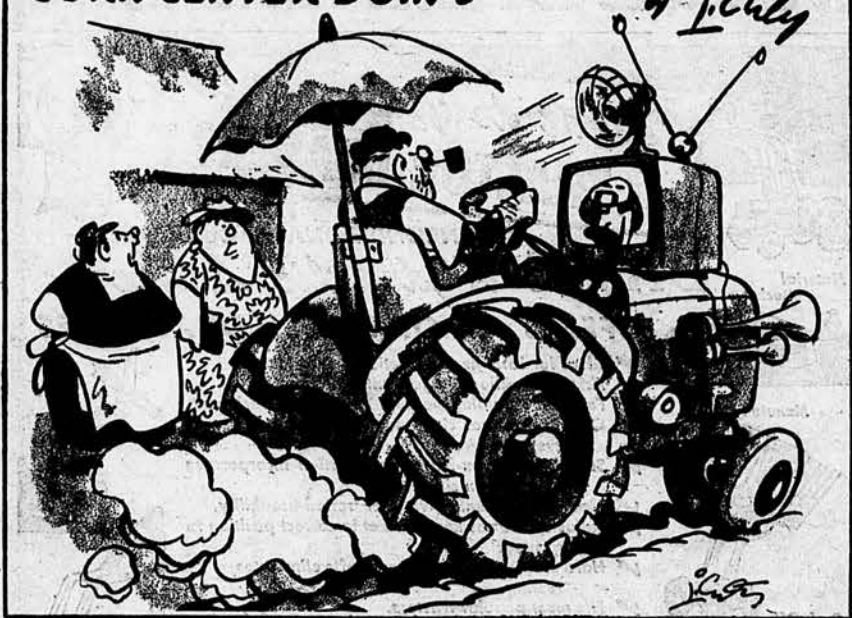


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Activator is Nature's own way of energizing soil for best crop yields. With billions of friendly organisms, hormones, vitamins, minerals, BIO-TICS. Just mix with fertilizer or apply to seed. Better wheat or your money back. Trial pkg. for 2,400 lbs. fertilizer or 20-25 bu. wheat, \$2.59, dealers or **ACTIVO RESEARCH**, Bridgeton 17, Ind.

Certified Pawnee Wheat \$2.50. Early Pawnee Wheat \$2.60. Buffalo Alfalfa 30c per lb. C. L. Goernandt, Aurora, Kan.

● PLANTS AND NURSERY STOCK

Strawberry Plants—Hardy northern grown, double, white, red, yellow, blackberry, Premier, Giant Robinson, 100—\$1.35; 300—\$3.75; 600—\$5.75; 1,000—\$11.00. Fresh plants, prompt shipment. Iowa Nursery, Farmington, Ia.

● OF INTEREST TO ALL

Attention Club Members—If your club is in need of funds we have a sure-fire way of raising them. Money plus valuable premiums for your organization. Details without obligation. Sully's Art-Gift Specialty Co., Box 228, Shrub Oak, N. Y.

Outdoor Toilets, Septic Tanks, Cesspools, cleaned, deodorized. Speedex saves digging, pumping. Large package \$2.00 postpaid. Guaranteed. Solvex, Monticello 6, Ia.

Save Chicken Feed: Don't feed the sparrows high priced chicken-feed. My homemade trap guaranteed to catch them by the dozens. Easy to make. Blanket 10c and stamp. Sparrowman, 1715 Lane Topeka, Kan.

Read Capper's Weekly and receive a gift. It's the most interesting and informative weekly newspaper you have ever seen. Write Capper's Weekly for details. Circulation Department K, Topeka, Kansas

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Typists, hand writers. Nationally known mailing company provides details of spare or full time earnings, addressing envelopes, compiling lists. Details free. Allied, Box 1149E, Knoxville, Tenn.

Thrilling, Profitable Home Business. Make fast-seller, chenille, monkey trees, dolls, flowers. Terrific holiday demand. Information free. Velva, Bohemia 2, N. Y.

Fairmount Maternity Hospital—Seclusion and delivery service for unmarried girls. Adoptions arranged: low rates; confidential. 4911 E. 27th St., Kansas City, Mo.

Women make money at home, spare time. Sew ready cut Rap-A-Round. Easy, profitable. Hollywood Mfg. Co., Dept. AF, Hollywood 46, Calif.

Send Wool or Wool Rags. For woollens, batting, blankets. Free circular. Litchfield Woolen Co., 303 N. Sibley, Litchfield, Minn.

● REMEDIES—TREATMENTS

Arthritis and Rheumatism sufferers: Read "Crude Black Molasses" by Cyril Scott. One dollar postpaid. Harmony Book Shop, New Castle, Penn.

Latest Methods treating piles, fistula, colon, stomach disorders. Write for free book. McCleary Clinic and Hospital, E940, Excelsior Springs, Mo.

● HOME HEATING

Parts for All Stoves, ranges, heaters, furnaces. Fit guaranteed. Write for prices. Give make, model and part number. Omaha Stove Works, Dept. K, 1204 Douglas St., Omaha, Neb.

● DOGS AND SUPPLIES

Beautiful Golden Collie Puppies. Eligible A.K.C. Purebred English Shepherds. Barnes, Collyer, Kan.

● EDUCATIONAL—BOOKS

AUCTION SCHOOL Learn Auctioneering America's Leading Auctioneers Teach You. Students sell actual Sales. Largest school in world, 20 years in Operation. Don't be misled. Term soon. Free catalog. Write **REISCH AUCTION SCHOOL**, Mason City, Iowa
Free! "Hunting Tips" 28-page booklet. Here's a practical manual to increase your hunting skill and enjoyment. A "how to" book with advice that works! Covers field shooting, sighting, dressing of game, camp cookery, and many other subjects. Get this book now . . . no charge, no obligation of any kind. Offer expires October 31, 1953. Send post card with your name and address today to Department "C", Premo Sports Publications, Inc., 270 Park Avenue, New York 17, N. Y.

Learn Auctioneering. Term soon. Write for catalog. Missouri Auction School, Box 4746, Kansas City, Mo.

Ft. Smith Auction School, Ft. Smith, Ark. Term soon. Free catalog.

● FOR THE TABLE

HONEY MIXED FLOWER (Dark) 60-lb. Can FOB \$9.90
Extracted—Pure as bees can make it.
60-lb. Can Clover, FOB . . . \$12.00
12-lb. Can Clover (Postpaid to 600 mi.) . . . 3.85
12-lb. Can Mixed (Postpaid to 600 mi.) . . . 3.50
Order Promptly—Supply Limited
HAHN APIARIES, 1715 Lane St., Topeka, Kan.

● FILMS AND PRINTS

Photo Christmas Cards, very personally yours, 16 cards and envelopes from your negatives for \$1.00, 100 for \$8.00. Send 35c extra if you enclose a photo. 1 deckle print on 8-exposure roll 25c, 2 prints each 38c.

SUMMERS STUDIO Unionville, Mo.

Wisconsin Film, West Salem, Wisc. Include a roll of film, same size you send, with below offers. 8 Beautiful 4x6 glossy enlargements from your 8 exposure roll 40c. 12 snappy 4x4 enlargements from your 12 exposure roll 60c. You must enclose advertisement.

Sensationally Magnificent Jumbo Oversize finishing at contact prices. New, improved equipment produces finest work at low prices. 8-exposure roll, deluxe finish, only 40c. 12-exposure, 55c. 16-exposure, 70c. 36-exposure, \$1.50. Over-size reprints 3c each. Free mailers. Send us your next order, you will be delighted. Century Photo Service, Box 5208, Chicago 80, Ill.

No Charge—for developing roll—same day service—pay for prints only—regular size 3c—Jumbo 4c. Refund on prints not good. Established 25 years. Square Deal Photo, Box 1153 D, Hutchinson, Kan.

Same Day Service. 8 double-sized jumbo prints, only 40c. Prints sent out same day received. Highest quality guaranteed service. Send 4c dime (or equivalent) with each roll. MA-Lo Studio 9, Box 238, Jefferson City, Mo.

20 DECKLEDGE REPRINTS 50c

6-8 exposure roll developed and printed 25c; 12-exposure, 30c; Jumbo prints, 4c each.

TINY'S PHOTO SERVICE

Box 1068-KF Topeka, Kan.

Eight-Exposure Roll printed one of each 25c; two each 35c; one each Jumbo 35c. Star Photo, Denver, Colo.

12 Jumbos, 35c; 8 Jumbos, 25c; 16 Jumbos, 50c; from roll or negatives with this ad. I. Skrudland, Lake Geneva, Wis.

● PATENTS AND INVENTIONS

A. H. Sturges, 317 Sunderland Bldg., Omaha, Neb., Registered Patent Attorney, U. S. Patent Office. Procedure information, evidence of invention form and patent book sent on request.



In the Field

MIKE WILSON
TOPEKA, KANSAS
Livestock Editor

The KANSAS JERSEY CATTLE CLUB is putting out a year book for Jersey people and others interested. John Oswald is editor. The Oswalds are known for their Rotherwood Jerseys "Romancing with Jerseys," at Hutchinson.

Two registered Jersey cows in the Rotherwood herd, owned by JOHN C. OSWALD, Route 3, Hutchinson, have received special recognition for their outstanding production records made on Herd Improvement Registry test with the American Jersey Cattle Club. Aabrax Lila Anastasia produced 8,302 pounds milk containing 471 pounds butterfat at the age of 2 years and 1 month. She was milked 3 times a day for 16 days of her record. Zoric's Gloria of Oz produced 9,346 pounds milk containing 551 pounds butterfat at the age of 5 years and 4 months.

A registered Guernsey cow, Vansdal General's Ann, owned by KEITH W. VAN HORN, Sabetha, has completed an official Advanced Registry record of 9,807 pounds of milk and 475 pounds of butterfat on twice times daily for a 10-month period, starting her record as a junior 2-year-old with the American Guernsey Cattle Club. "Ann" is the daughter of the famous Guernsey sire, Skyline Triumph's General, that has 84 sons and daughters in the Performance Register of the American Guernsey Cattle Club.

On August 24, CLARENCE D. BEET, Ayrshire breeder of Wellington, made a production sale of registered Ayrshires, 28 head were sold and 26 stayed in Kansas. Top female was sold for \$500 to Clarence Condra, Jr., Protection. Average price for all females sold was \$190 and average on 28 head was \$175. The \$500 cow was Gold Coin's Princess out of the excellent cow, Crissie Printella. She calved the day before the sale with a heifer calf which brought \$150, going to Vern H. Banzet for a 4-H project. Walter Hand was auctioneer, assisted by Clayton Cole and Sanford Hughes.

Interest ran very high in the Holstein dispersal sale of Rogers Ranch, owned by H. L. CAMPBELL and A. F. LEONARD of Sedan, Wednesday, September 2. The majority of the offering was purebred but not registered. Top-selling cow in the registered lot brought \$450, a 6-year-old daughter of Clyde Hill Mercedes

HOGS**YORKSHIRE
PRODUCTION SALE**
Saturday, October 3, 1953
7:00 P. M. (night sale)
Eisenhower Park, Central Kansas Free
Fair Grounds**Abilene, Kansas**
25 OPEN GILTS — 25 BOARS

Featuring the service of G B W Oxhey Mod-
ifier 117 F., 1953 Missouri grand champion,
L. T. U Evergreen King 17 F., 1953 Missouri
reserve champion. There will be pigs from
three advanced registry litters from each of
the above sires.

For catalog write
GEO. WM. BURKHOLDER
ABILENE, KANSAS

KANSAS HAMPSHIRE BREEDERS ASSN.**FALL SALE**

4-H BARN

Abilene, Kansas
September 30, 1953

Show—10:00 A. M. Sale—1:00 P. M.

50 Reg. Boars—Gilts
Open and Bred

Sifted for quality. The finest Hampshire
breeding.

For catalog write
R. B. ELLING, Sale Manager
Chamber of Commerce, Wichita, Kansas

R. E. BERGSTEN & SONS

Registered

HAMPSHIRE HOG SALE

at the farm

Randolph, Kan.
Oct. 22, 1953

35 REG. BOARS — 20 REG. GILTS
A few registered gilts bred for early spring
litters. 10 off-marked open gilts.

We are also consigning 2 boars and 2 open
gilts to the Kansas Hampshire Breeders Con-
signment sale, at Abilene on September 30.

R. E. BERGSTEN & SONS
RANDOLPH, KANSAS

PUREBRED HAMPSHIRE BRED**SOWS AND SPRING BOARS**

Champion bloodlines.

Recleaned Certified

PONCA SEED WHEAT

Rust and fly resistant.

JOHN GAREIS

Wamego, Kansas Phone 807

KANSAS**SPOTTED POLAND
BREEDERS' SALE**

Our 5th annual Boar and Gilt Sale will be
held at the 4-H Barn at

HORTON, KANSAS**on Monday, October 5**

SELLING 45 HEAD—These 22 boars and 23
gilts are consigned by breeders from all over
the state. Good individuals of popular blood-
lines.

Write for sale catalog to

H. E. HOLLIDAY, Secretary

Richland, Kansas — Telephone 1731

Auctioneers: Taylor & Martin

HAVEN HOLLOW FARM DUROCS

Its bred for Sept. litters. Spring Boars and Open
Gilts by Red Wavemaster, Fancy Velvet and The
Rocket. Production bred-raised 94 pig per sow
average from 16 sows this spring.

G. T. GERMANN & SON, Manhattan, Kan.**OFFERING CHOICE DUROCS**

Big, rugged, heavy boned boars and choice gilts.
All ever raised. These are really the fast-
est growing registered Durocs. We kept only our very
best.

CHARLES STUCKMAN, Kirwin, Kansas**MARTINS Offer QUALITY DUROCS**

Related spring boars and gilts sired by Red
Dutch and The 49er.

EARL MARTIN & SON, DeKalb, Mo.

Buy Fast Growing Meaty

DUROCS

Public auctions held now. For free list write:
DUROC ASSOCIATION, Room 2, Peoria 3, Ill.

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AUCTIONEER

LIVESTOCK AND REAL ESTATE

200 Plaza Avenue Topeka, Kan.

Hengerveld Al. that was classified Good Plus.
She was bought by Dr. Steve Ellis, Coffeyville.
Mr. Ellis also paid \$500 for the top-selling grade
cow, a 4-year-old, with a milk record of over
13,000 pounds. Ernest Obul, Ponca City, Okla.,
was the purchaser of the top-selling bull, a
grandson of Montvic Rag Apple Chieftain, at
\$225. Glen Dick, Cedar Vale, was heaviest buyer,
purchasing 10 head. A number of the cows and
open heifers were sold to Oklahoma buyers. Col.
Bert Powell sold the offering. E. A. Dawdy
worked in the box.

Eighty-two Herefords in the T. L. WELSH pro-
duction sale at Abilene, on August 26 totaled
\$21,275 to average \$260. Sixteen bulls averaged
\$315 and 66 females averaged \$264. Top bull was
lot 5, W Dandy 32nd and sold at \$1,000 to Otto
C. Eulert, Paradise, Kan. The top female was
lot 60, Miss Rosetta W. 10th, went at \$1,010 to
Dianne Gleason, Paxico, Kan. Col. Gene Watson
sold the offering.

A registered Guernsey cow Hershberger Lad-
die's Bell, owned by E. D. HERSHBERGER,
Newton, produced 7,994 pounds of milk and 424
pounds of butterfat. This is according to the of-
ficial Herd Improvement Registry record released
by The American Guernsey Cattle Club. "Bell"
was a senior 3-year-old and was milked 610
times while on test.

"Bell" is the daughter of the famous Guern-
sey sire, Meadow Lodge King's Laddie, that has
37 sons and daughters in the Performance Regis-
ter of the club.

The ROBERTS DISPERSION of Herefords at
Quinter, Kan., on August 24 sold for a total of
\$15,062.50 to make an average of \$285. Fifty-one
head were sold in this sale. H. G. Crusty 327th
sold to Blank Bros., of Grainfield for \$1,600.
The fifty females sold for an average of \$270.
The top female was lot 35, R H R Real Princess
45th, selling to Ross Bentley, Shields, Kan., for
\$270 and her heifer calf selling to Harry Schwarz
of Grinnell, Kan., for \$205, making a total of
\$475 on lot 35. Col. Gene Watson sold the offer-
ing.

In the ALBERT MORGAN sale of registered
Hereford calves and registered Poland China
hogs held at the farm near Alta Vista, Kan., 9
steer and heifer calves averaged \$98 and 21
spring boars and gilts averaged \$80. The top was
\$140 on a steer calf purchased by Walter Rud-
olph, Manhattan, Kan., and the top heifer calf
lot 29, Cinderella Queen brought \$125 selling to
Marvin Brabb, Alta Vista, Kan. Top boar was
lot 15, by HT Missouri Chief, sold for \$75 to J. J.
Hartman & Son, Elmo, Kan. Top gilt was lot 12,
sold to M. L. Farmer and Son, of Platte City,
Mo., for \$90. Mike Wilson was the auctioneer.

A Ton of Gold Certificate has been awarded
a registered Jersey cow owned by JOHN WEIR,
Jr., Geuda Springs, by the American Jersey
Cattle Club.

The award went to his cow, Pinnacle Observer
Treasure, which produced 2,091 pounds butter-
fat—more than a ton—from 39,957 pounds milk
in 4 years.

Production of Pinnacle Observer Treasure dur-
ing the 4 years of official testing exceeded that
of the "average" dairy cow in the United
States more than 2 times. The Ton of Gold
award aids Jersey breeders in selecting cows
with consistently high production over a long
period.

MARYCREST FARMS ANGUS dispersal sale
was well attended by buyers from many states.
Buyers paid satisfactory prices for these regis-
tered Angus that were strong in Ellemere
bloodlines. The sale held at the farm near
Maloy, Ia., on August 31, averaged \$1,468 on
71 lots; 57 females averaged \$1,361; 14 bulls
averaged \$1,911. Sale top was the Lot 1 bull,
Homeplace Ellemere 28th; sold for \$18,500 to
Emerald Acres, Oak Grove, Calif. Top on fe-
males was \$4,000. Buyers made selections from
several states. This was a complete dispersal of
one of the good herds of the breed. J. B. Mc-
Corkle, Smithville, Mo., managed the sale.
Johnston, Sims and Hagel were auctioneers.

Dona Lassie Inka Homestead, a registered
Holstein cow in the herd owned by R. C. BEEZ-
LEY, Girard, has just completed a lifetime pro-
duction record of more than 100,000 pounds of
milk on official test with The Holstein-Friesian
Association of America. (100,000 lbs. of milk is
equivalent of about 47,500 quarts, 4 times pro-
duction of average U. S. cow.)

In 7 milking periods, covering a total of
2,731 days, this cow produced a total of 104,-
204 pounds of milk and 4,422 pounds of butter-
fat on 3 milkings daily. Highest single record
was made at the age of 11 years 3 months when
she produced 15,733 pounds of milk and 680
pounds of butterfat. She has been classified for
type and scored "very good."

NORMAN K. NELSON, Wichita, is owner of
2 registered Guernseys that recently have com-
pleted Herd Improvement Registry production
records with the American Guernsey Cattle Club.

Having been milked 564 times while on test,
Nelson's Goldy of C. D., a junior 2-year-old, pro-
duced 9,338 pounds of milk and 439 pounds of
butterfat.

Shamrock Farms Patsy, a six, produced 16,-
154 pounds of milk and 715 pounds of butterfat
having been milked 674 times while on test.

"Goldy" was sired by Lookout Valley Superb
Beacon, that has 5 daughters in the Performance
Register, while "Patsy" is by Meadowlark Lad-
die Boy, that has 4 daughters in the Performance
Register of the club.

TREND OF THE MARKETS

Please remember that prices given
here are Kansas City tops for best
quality offered:

	Week Ago	Month Ago	Year Ago
Fed Steers	\$26.50	\$28.00	\$34.25
Hogs	25.75	27.00	20.50
Lambs	19.00	26.25	25.00
Hens, 4 to 5 lbs.23	.24	.21
Eggs, Standards46½	.45½	.41
Butterfat, No. 154	.54	.67
Wheat, No. 2, Hard ..	2.38	2.37½	2.46
Corn, No. 2, Yellow ..	1.87½	1.60½	1.82½
Oats, No. 2, White ..	.85	1.85½	1.00
Barley, No. 2	1.23	1.26	1.55
Alfalfa, No. 1	30.00	30.00	36.00
Prairie, No. 1	25.00	—	30.00

**COMPLETE
Holstein Dispersal**

H. A. Meier herd of reg. Holsteins will be sold at auction

OCTOBER 19, 1953
at Abilene, Kansas
at the fair grounds**50 HEAD—30 Cows, 14 Heifers, 6 Bulls**

This herd made a test of 488 lbs. average last year. The herd is classified
for type. Our great herd sire Wisconsin Whirlwind is selling. There will be
14 of his daughters and 6 sons in the sale. He is also the sire of the first
prize junior get-of-sire at the All Kansas Black & White Shows the past
two years. This great bull's first daughter has freshened and made 54
lbs. on 2 X the first month. E. A. Dawdy, Salina, in this sale will sell
10 head; all Burke bred. Mr. Meyer has been building breeding Holsteins
for 20 years.

For information write

H. A. MEIER, Abilene, Kansas

Bert Powell, Auctioneer

E. A. Dawdy in the box

Mike Wilson for Kansas Farmer

BLAKE WILSON & SON

Complete Holstein Dispersal

Located 4 miles southwest

El Dorado, Kan.**Sept. 30, 1953**

Sale starts at 11:00 O'clock.

76 HEAD SELLING

1952 herd average — 36 Cows — 10,780 M — 398 F. — 3.7%.

THIS IS A GOOD WORKING HERD OF REGISTERED AND HIGH GRADE CATTLE

Junior Herd Sire—THONYMA MAUDLENE VICEROY 1192566. Born Aug. 26, 1952

A great opportunity to buy one of the most outstanding young bulls in Kansas today. He
is sired by Maytag Ormsby Fobes 14th (Good Plus). A silver medal productions sire. 27
records by 13 daughters at 3 years 2x, 12,869 M, 47%, 510 F. His dam, the Great Vera cow
at Reeds classified very good: 5½ lac., 85,080 M, 3.8%, 3,213 F. He has 3 full sisters from
510 to 759 F. testing from 4.1 to 4.3.

40 COWS — 16 REGISTERED

7 2-year-old Heifers; 18 Yearlings, calfhood vaccinated; 10 Heifer Calves. These heifers are
sired by Zarnowski Reburke Inka 1125306—a 600 lbs. son of the highly proven Silver Medal
Pabst Reburke Paul Wayne bull.

This herd is mostly home bred and includes the two high cows in the Butler County DHIA
last year, with over 600 F. Highlights of the sale include Wildora Rakapple Beauty—1948 all
Kansas 2-year-old with 14,279 M—560 F.—3.9%—337 days. Has milked over 100 lbs. a day.

CHALLIE ALICE AMY with 556 F.—4.1% at 2 years.—305 days.

BREEZY LANE ROYAL QUEEN—443 F.—4.4%—295 days at 2 yrs. Member all Mo.
get in 1950.

DE LAVAL MAGNETIC MILKER — INTERNATIONAL COOLER

FARM MACHINERY — 1953 CHEVROLET PICK-UP

Health Papers Furnished—Terms Cash—Lunch on Grounds—Not Responsible for Accidents

Write for catalogs to:

BLAKE WILSON, Route 1, El Dorado, Kansas**Byler & Weir Registered Jersey Sale**

at 12:30, State Fairgrounds

Monday, October 12, 1953
Hutchinson, Kansas

40 Head of top production bred Jerseys.

22 Cows with production records up to over 600 lbs. fat in 305 days, 2-year-olds with over
500 lbs. fat. These cows are top individuals and the kind that will make money on any
farm. A Ton of Gold, Tested Dam daughter of Brampton Violet Pinn—Ex-
cellent Medal of Merit Superior Sire; Mission Hills Pinnacle—Very Good Superior Sire; Sir
Standard's Royal Prince—Very Good Superior Sire; Longfield Jester of Oz—Very Good Su-
perior Sire.

16 Heifers ranging in age from 6 months to heavy springers, some would make ideal club
projects.

Two young bulls, ready for service, with finest production pedigrees.

The following bulls have daughters in this sale: Advancer Record Jester—to be announced
as high 7-star Senior Superior Sire; Advancer Nine's Commando—will be tested sire this next
year; a son of Favorite Commando, Excellent Superior Sire; Brampton Violet Pinn—Ex-
cellent Medal of Merit Superior Sire; Mission Hills Pinnacle—Very Good Superior Sire; Sir
Standard's Royal Prince—Very Good Superior Sire; Longfield Jester of Oz—Very Good Su-
perior Sire.

Auctioneer — Roy Paul

For catalog write

J. Lawrence Byler, Wellington, Kan.

John Weir, Jr., Geuda Springs, Kan.

**BEEKS—CLELAND LARRY SALE****MONDAY, OCTOBER 5**
at Baldwin, Kansas**75 Registered Herefords****Bulls, Open and Bred Heifers, Cows and Calves**

The get and service of MW Larry Domino 166, HCR Larry Mixer 2, BC
Super Larry and Larry Domino J9.

Gene Watson, Auctioneer

Write for catalogs

BEEKS HEREFORD FARM & F. W. CLELAND & SON
BALDWIN, KANSAS**Invest In Your Future!****Buy U. S. Savings Bonds!**

Mid-Kansas Shorthorns Travel Far—

Attend Their Annual Fall Sale



Friday, Oct. 9, 1953
SALINA, KAN.

FAIRGROUNDS

SHOW—9:00 a. m.

SALE—12:30 p. m.

Judge — E. A. Pulliam, Aksarben Acres, Omaha, Nebr.
Auctioneer — C. D. Swaffar, Tulsa, Okla.

90 HEAD

32 BULLS

Including proved herd sires, herd bull prospects and top commercial bulls.

28 FEMALES

Including 6 cows with calves at foot, 10 bred heifers and 12 open heifers, real breeding and show prospects.

30 STEER CALVES

Carefully selected for future 4-H and FFA project use. In addition to the steer calves there will be several registered and commercial heifer calves of unusually good quality.

Commercial cattlemen and purebred breeders from Texas to Idaho and from Florida to the Dakotas have filled their needs in the twice annual sales held each spring and fall at Salina, Kan. Shorthorns purchased here have made improvement wherever they have gone. This year you will find as strong a selection as has ever been Mid-Kansas Shorthorn breeders privilege to offer you.

Consignors: Miles Austin, Rosalia; R. L. Bach, Larned; Arthur Bloomer, Lancaster; Ralph & James Collier, Alta Vista; Adam Dietz, Galatia; Henry Dietz, Wakeeney; H. H. Humphrey, Larkinsburg; E. C. Lacy, Miltonvale; Glenn E. Lacy, Miltonvale; Milton H. Nagely, Abilene; Arthur Nelson, New Cambria; M. M. Pierce, Billings, Okla.; D. A. Reusser, Wellington; James W. Smith, Burlingame; Lawrence R. Smith, Gorham; Wm. Thorne, Lancaster and W. A. Young, Clearwater.

For a copy of the attractive catalog, address

MERVIN F. AEGERTER, Sale Manager, Seward, Nebraska

Sponsored by

MID-KANSAS SHORTHORN BREEDERS ASSN.

Pres.: Arthur Nelson, New Cambria V.-Pres: Milton Nagely, Abilene
Sec.: Grant Seim, New Cambria

Registered Hereford Sale SEPTEMBER 29, 1953

SALE AT 1:00 P. M.

Sale to be held at the **Jenny Wren Sale Barn**, at the well known Jenny Wren Farm, located on Highway 40, 1½ miles west of

LAWRENCE, KANSAS

City Limits



60 LOTS SELLING

1 BULL, serviceable age. **Domino Lad B K T O 3rd**, by Domino Lad 33rd.
10 BRED HEIFERS — 1 OPEN HEIFER

48 COWS, some with calves at foot, others close to calving. The females that are bred are carrying the service of J. C. P. Larry Domino 4th. 5438975, sired by MW Larry Domino 36th out of Real Lady D 30th. Some of the cows will have calves at foot sired by J. C. P. Larry Domino 4th. 11 head of this offering, including 10 females and 1 bull, come from the H. M. Booth herd. **Catalogs will be sent on request.**

Address All Information to

FORREST BOOTH, Owner, Wellsville, Kansas

REG. GUERNSEYS

Popular bloodlines. Springy cows, heifers and bulls.
HERSHBERGER & SONS, Newton, Kansas

WISCONSIN DAIRY CATTLE

Choice Holstein, Guernsey and Brown Swiss Calves, Yearlings and Springing Heifers. Delivered to your farm C.O.D.
Dennis R. Grosse, York, Nebr., Bx. 48, Ph. 1419

Public Sales of Livestock

Ayrshire Cattle
November 3—Kansas Ayrshire Breeders Production Sale, El Dorado, Kan. Dwight E. Hull, Secretary, El Dorado, Kan.

Aberdeen-Angus Cattle
September 24—National Aberdeen-Angus Sale, Hutchinson.
October 7—Kansas Aberdeen-Angus Association Feeder Calf Sale, Salina.
October 9—Osborne Feeder Calf Sale, Osborne, Kan.
October 27—Penney & James, Hamilton, Mo. J. B. McCorkle, Sales Manager, Smithville, Mo.
November 5—Annual State Sale, Hutchinson, Kan.
December 7—Annual Registered and Commercial Sale, Dodge City, Kan.
March 29, 1954—Ericson-Thalman Davis, Hutchinson, Kan.

Guernsey Cattle
October 23—Kansas Guernsey Breeders 11 Annual Sale, Hutchinson, Kan. C. J. Graber, Secretary, Route 1, Newton, Kan.

Hereford Cattle
September 23—Salina Hereford Sale, Gene Sundgren, Sale Manager, Salina.
September 26—Frank J. George & Sons, Lebo, Kan.
September 29—Forrest Booth Dispersion, Wellsville, Kan. Sale at Lawrence, Kan.
October 5—Beeks & Cleland, Baldwin, Kan.
October 7—Brown Bros. & Streeter Funk, Fall River, Kan.
October 10—BK Ranch, Burr Oak.
December 12—Glenn I. Gibbs, Manchester, Kan. Sale at Clay Center, Kan.
October 13—NCK Hereford Association, Belleville, Kan. Geo. C. Wreath, Sale Manager, Belleville, Kan.
October 14—Sutor Hereford Farms, Plainville, Kan.
October 16—Delford Ranch, El Dorado.
October 17—CK Ranch, Brookville.
October 21—Salina Hereford Sale, Gene Sundgren, Sale Manager, Salina.
October 24—Belden & Schuetz, Horton, Kan.
October 24—Haven Hereford Association, Haven, Kan.
October 29—Kansas Flint Hills Association, Cottonwood Falls, Kan.
November 2—Sumner County Hereford Breeders, Wellington.
November 3—Lincoln County Hereford Association, Sylvan Grove, Kan.
November 6—Cowley County Hereford Breeders' Association, Arkansas City, Kan.
November 9-10—Sunflower Futurity, Hutchinson.
November 11—W. H. Tonn & Son, Haven, Kan.
November 18—Bella Acres Ranch, Paxico.
November 23—Solomon Valley Hereford Association Sale, Osborne, Kan.
December 4—South Central Hereford Association, Newton, Kan.
December 16—Salina Hereford Sale, Gene Sundgren, Sale Manager, Salina.
January 23, 1954—Walnut Valley Hereford Ranch, Waite Bros., Winfield, Kan.

Polled Hereford Cattle
September 23—Southwest Missouri Breeders Sale, Buffalo, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
September 25—Ridge Road Cabin Registered Polled Hereford Complete Dispersion Sale. (Ray McNally & Paul Gildwell), Milan, Mo. Don J. Bowman, Sales Manager, Hamilton, Mo.
October 3—Midwest Polled Hereford Association, Deshler, Nebr.
October 12—Perry Hedrick & Sons Registered Polled Hereford Production Sale, Annett, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
October 17—O'Bryan Ranch, Hiattville, Kan.
October 18—Walbert Ravenstein, Adams, Kan.
October 31—Leo Ebel & Son, Wamego, Kan., and W. R. Zimmerman & Son, Alta Vista, Kan. Sale at Alma, Kan.
November 2—Frank Matheson, Natoma, Kan., and Jake Reich & Son, Paradise, Kan. Sale at Natoma.
November 7—O'Bryan Ranch, Registered Calf Sale, Hiattville.
November 13—H. H. Carrothers Polled Hereford Dispersion, Paola, Kan. Vic Roth, Sales Manager, Hays, Kan.
November 17—O'Bryan Ranch Polled Herefords, Hiattville.
November 20—Central Kansas Polled Hereford Association, Herington, Kan. O. J. Shields, Sales Manager, Lost Springs, Kan.
November 21—Jesse Riffel & Sons, Enterprise.
November 30—Kansas Polled Hereford Association, Vic Roth, Sale Manager, Hays.

Holstein Cattle
September 28—Nebraska Holstein Breeders Association, Seward, Nebr. T. Hobart McVey, Sales Manager, Nickerson, Kan.
October 14—Lawrence Hoover Dispersion, Junction City, Kan.
October 19—H. A. Meier Complete Dispersion, Abilene, Kan.
October 21—Kansas Holstein Breeders Association, Herington, Kan. Roy Chamberlain, Chairman sales committee, Olpe, Kan.
October 23—Missouri State Breeders' Association, Lee's Summit, Mo. T. A. Burgeson, Sales Manager, Grandview, Mo.
October 26—North Central Kansas Holstein Breeders Association, Washington.
November 4—Central Kansas Holstein Breeders, Hutchinson, Kan. T. Hobart McVey, Sales Manager, Nickerson, Kan.

Jersey Cattle
October 12—Byler and Weir Registered Jersey Sale, Hutchinson, Kan. Sale Manager, John Weir, Ceuda Springs, Kan.

Red Poll Cattle
November 11 & 12—Annual meeting and National Sale, Topeka, Kan. F. A. Sloan, Secretary, 3275 Holdrege St., Lincoln, Nebr.

Shorthorn Cattle
September 26—Tomson Brothers, Registered and Commercial Sale, Wakarusa, Kan.
October 5—John F. Shuman, Deer Trail, Colo. Mervin F. Aegter, Sale Manager, Seward, Nebr.
October 8—Crockett-Ralstin, Kinsley, Kan.
October 9—Mid-Kansas Show and Sale, Salina, Kan.

October 14—Feeder Calf Sale, Salina.
October 19—Shorthorn and Polled Shorthorn Sale, Cambridge, Nebr. Thos. Andrews, Sale Manager, Cambridge, Nebr.
November 5—Oklahoma Polled Shorthorn Breeders' Association, Show and Sale, Woodward, Okla. Bill Taggart, Sale Manager.
November 13—Kansas Polled Shorthorn Sale, Hutchinson.
November 14—Kansas Shorthorn Sale, Hutchinson.

Polled Shorthorns
October 26—Missouri Polled Shorthorn Show and Sale, Sedalia, Mo. Rollo E. Singleton, Secretary, Jefferson City, Mo.

Spotted Poland China Hogs
October 5—Kansas Breeders Association, Horton, Kan. H. E. Holliday, Secretary, Richland, Mo.

Milking Shorthorn Cattle
October 6—Howard R. Lucas, Macksville, Kan. Sale at fair grounds, Hutchinson, Kan. C. O. Heidebrecht, Sales Manager, Inman, Kan.
October 17—Southeast Kansas District, Parsons, Kan.
October 30—Kansas Breeders Sale, Hutchinson, Kan. C. O. Heidebrecht, Secretary, Inman.
November 12—McPherson County Breeders' Sale, Hutchinson, Kan. C. O. Heidebrecht, Secretary, Inman.
November 16—Crest View Milking Shorthorn Dispersion, Beatrice, Nebr. Chas. Kimmerring, Owner.

Dual-Purpose CATTLE

H. R. LUCAS & SONS
Macksville, Kansas

MILKING SHORTHORN REDUCTION SALE

Hutchinson, Kansas

Sale at Fairgrounds

Tuesday, October 6

32 FEMALES — 2 BULLS

20 Cows and Bred Heifers—majority fresh by sale day or soon after.
12 Open Heifers—10 old enough to be bred this fall.

This sale features the get of Maid's Duke RM (Ex) and Retnuh Stylish Model 3d. It also includes cows classifying Very Good and Excellent. One of the top herds in the state. The herd has to be reduced because both sons are in the army.

For catalogs write

C. O. HEIDEBRECHT, Sale Mgr.
Inman, Kansas

MILKING SHORTHORN HERD DISPERSAL

Selling my

Crest View Milking Shorthorn Herd

November 16, 1953
Beatrice, Nebraska

Alfred Schnuelle will also sell 10 heifers in this sale.

CHAS. KIMMERLING

BEATRICE, NEBRASKA, Rt. 3

Gus Heidebrecht, Auctioneer

Joe Hunter, Pedigrees

High Cattle Prices

will come again. Quality of your herd then is determined by the bull you buy now. We offer yearling Milking Shorthorns bred for correct market type at early age; long life of profitable production.

HARRY H. REEVES

Route 3 Hutchinson, Kan.

FOR SALE: TWO POLLED

MILKING SHORTHORN BULLS
5 months old. They are red grandsons of Dus Supreme 2nd, who has 30 R. M. daughters. Farm located 1 mile east, 1½ miles north of Miller Junction.
MAX CRAIG, Osage City, Kansas

Dairy CATTLE

EASTWOOD DISPERSAL

Carl P. Hinn, Owner

53 REG. BROWN SWISS

Monday, September 28

at the farm

Excelsior Springs, Mo.

A great herd with top bloodlines with much of the best of Bradenhurst breeding. An ideal place to buy foundation females of all ages. The great herd sires and young sons sell.

For catalog, write

NORMAN E. MAGNUSSEN
LAKE MILLS, WISCONSIN

HOLSTEIN COWS FROM KANSAS' HIGHEST PRODUCING HERD

Our cow herd has reached the size where we must offer some for sale. Therefore, we offer 7 young cows of foundation caliber. All classified Very Good or Good Plus and have records up to well over 600 lbs. of fat on twice a day milking. They are priced right. We also have three service-age bulls. They are from cows classified Very Good and with lifetime records up to 135,000 lbs. of milk. These will be the only bulls of this age we will have this fall. You will be buying from one of the highest record herds in U.S. Last two years average 610 and 623 lbs. fat on twice a day milking.

THONYMA FARM

ERNEST A. REED & SON, Lyons, Kan.

REGISTERED HOLSTEINS HIGHER VIEW DAIRY FARM

125 head Clyde Hills & Crescent Beauty Admirals; serviceable-age bulls for sale or lease; you can raise and use a baby bull and receive ½ interest in him; an occasional 4-H and FFA heifer for sale; some of our have good young cows for sale; have cows up to 600 lbs. fat, ½ time milking; visit our Rite-Way Milking Parlor.
J. D. & E. E. FELLERS, Hays, Kansas
4 miles north of Hays, Highway 183

FOR SALE

SEVERAL NICE BULLS

Nearly ready for service, from dams with records from 500 lbs. to 777 lbs. butterfat. Sired by Wisconsin Whirlwind, sire of the All-Kansas Junior Get at our last two All-Kansas Black & White Shows at Herington, 1952, and at Kingman, 1953; also First Heifer Calf and Junior Champion at the Hutchinson State Fair, 1952. Prices very reasonable.
H. A. MEIER, Abilene, Kansas

REG. AYRSHIRE BULL For Sale

18 months old. Good individual. Out of high producing dams.
E. J. NOLAN, Route 1, Elgin, Kansas

Duroc Hogs
October 2—Kansas Duroc Breeders' Show and Sale, Clay Center, Kan. Dean Bell, Secretary, Lebanon, Kan.
October 15—Willis Huston, Americus, Kan.

Hampshire Hogs
September 30—Kansas Hampshire Breeders Association, Abilene, Kan.
October 22—R. E. Bergsten & Sons, Randolph, Kan.
October 22—C. E. McClure, Republic, Kan. (Sale at Belleville fairgrounds.)

Poland China Hogs
September 24—Glenn F. Wiswell & Son, Springhill, Kan.

Yorkshire Hogs
October 3—Geo. Wm. Burkholder, Abilene, Kan.
October 12—Missouri Yorkshire Breeders' Association Show and Sale, Chillicothe, Mo. Rollo E. Singleton, Secretary, Jefferson City, Mo.

Sheep
September 19—Southeastern Colorado Purebred Swine & Sheep Breeders Association, Las Animas, Colo.

Hampshire Sheep
November 20—Northwest Missouri Breeders' Association, South St. Joseph, Mo. F. B. Houghton, Secretary, Maryville, Mo.

Beef CATTLE

FREE CATTLE BOOK



50 pages of profitable suggestions and interesting pictures on selecting, breeding, fitting and showing Angus... absolutely free to you. Ask for "Cattle Raising at its Best." Put your name and address on a card and send now to

AMERICAN ANGUS ASSOCIATION
CHICAGO 9, ILLINOIS

SALINA

HEREFORD SALE

Wed., Sept. 23

at the Beverly-Wilson Sales Pavilion

Salina, Kansas

Selling

75 BULLS —REGISTERED— 75 FEMALES

Many of the leading herds in Kansas and surrounding states are consigning cattle to this sale. An opportunity to buy herd bulls, range bulls, bred and open heifers, cows and calves.

For information write or call

GENE SUNDGREN, Sales Mgr.
Box 144 Salina, Kansas Phone 7-2848

SUNBYRNE FARM

REGISTERED HEREFORD CALF SALE

Sat., Sept. 26, 1953

at the farm, 5 miles northeast of

Lebo, Kansas

or 5 miles northwest of Jet, US 50S—US 75
28 Bulls and 32 Heifers

8 to 12 months old

FRANK L. GEORGE & SON

Lebo, Kansas

Lunch 12 Noon — Sale 1:00 P. M.

Write for Catalog

THE MIDWEST POLLED HEREFORD ASSN.

SHOW & SALE

Deshler, Nebraska

October 3, 1953

Show at 9:00 A. M. — Sale at 1:00 P. M.

Selling 45 Bulls & 15 Females

For information and sale catalogs write

FRED C. DUEY, Sale Manager

DESHLER, NEBRASKA

Charles Corkle, Auctioneer

Mike Wilson for Kansas Farmer.

BUY MISSOURI POLLED HEREFORDS

In the Southwest Missouri Polled Hereford Breeders' Sale at

BUFFALO, MO.
SEPTEMBER 23

Buffalo is at the intersection of highways 64 & 65 and 36 miles north of Springfield, Mo.

32 BULLS — 18 FEMALES SELL
14 herds from southwest Missouri will consign to this sale. Most of the offering sells in pasture condition. Leading bloodlines represented.

For more information contact

DONALD J. BOWMAN, Hamilton, Mo.

FOR SALE — OUR 1953 REGISTERED POLLED HEREFORD CALVES

at the

E. R. ROEL RANCH, Moore, Mont., Oct. 31
Write Box 886, Lewistown, Mont.

October 3

Will Be Our Next Issue

Ads for the Classified and Livestock Section must be mailed not later than Tuesday, September 22, so they will be in our hands by

Wednesday, September 23

If your ad is late, send it in Special Delivery to 8th & Jackson St., Kansas Farmer, Topeka, Kan.

Speaking Of Dates

B K HEREFORD FARMS ARE PROUD TO
ANNOUNCE THEIR SALE OF

October 10th

at the farm, east edge of

Burr Oak, Kansas

1:00 C. S. T.

45 Head—15 Bulls 30 Females



B K ROYAL DUKE 1001

We offer you more of the same quality as B K Royal Duke 1001, that topped the Korb, Borwege spring sale, selling to Hubert Mayer, Arapahoe, Nebr. Another one of our many satisfied customers. The guesswork has been taken out, you can stake a bright future with these cattle of Anxiety 4th and N B Royal Duke breeding which have stood at the top in the toughest competition at major shows, such as the National Western at Denver. Cattle from B K herd have sold in 1953 to Minnesota, North and South Dakota, Kansas, Nebraska, Iowa and Missouri. There must be a reason. They have the sought-after bloodlines, type, size, ruggedness and fleshing qualities that all cattlemen demand. B K is proud of their pedigrees and solicit your inspection.

For catalog write

B K HEREFORD FARMS, Burr Oak, Kansas

Owned and Managed by Mr. and Mrs. Boyd Korb

Auctioneer: Tom Sullivant, Hutchinson, Kan. Herdsmen: Don Tummons
Mike Wilson for Kansas Farmer

FLASH! B K Lady Lill 4th was grand champion female at the Iowa State Fair.

National Show and Sale of Registered Aberdeen-Angus Cattle

Hutchinson, Kansas

September 24, 1953

SALE AT 1:00 P. M.

Sept. 22 & 23—Judging of National Show

Sept. 23—Judging of Sale Cattle at 1:00 P. M.

Sept. 23—1 P. M. Woman's Auxiliary Luncheon

Sept. 23—7:00 P. M. Banquet

6 BULLS — 54 FEMALES

Families represented are Blackcap Bessie, Jilt, Edwina, Georgina, Maid of Bummars, Edella, Witch of Endor, Karama, Juana Erica, Queen Mother, Blackbird, Ladu Ida, Evergreen, Eisa Trojan Erica, Erica and Blackcap.

(COMING SALES IN KANSAS)

October 7—Salina Feeder Calf Sale, Salina, Kan.

October 9—Osborne Feeder Calf Sale, Osborne, Kan.

November 5—Annual State Sale, Hutchinson, Kan.

December 7—Annual Registered and Commercial Sale, Dodge City, Kan.

HUTCHINSON, "The Cow Country" KANSAS

Read the Ads in This Issue

There's a world of helpful information in the scores of advertisements in this particular issue of the Kansas Farmer. Read them carefully. If you want to find out more about the articles described, don't hesitate to write the advertiser.

DO YOU HAVE A CHOICE?



Or Are You Growing One-Way Calves?

American Brahman Crossbreds are Two-Way Cattle. They wean in milk-fat slaughter flesh. This gives you a Two-Way choice on the market.

If the slaughter calf market is up you can cash in for the bonus. If feeder demand is strong you have weight and thriftiness to offer.

In either case you will go to market with 50 lb.-per-calf heavier load with American Brahman crossbreds.

For detailed performance reports

FREE

Write Dept. C

ABBA AMERICAN BRAHMAN BREEDERS ASSOCIATION
208 LOUISIANA • HOUSTON 2, TEXAS

SHEEP

REGISTERED SHEEP SALE

Saturday

SEPTEMBER 19, 1953

1:00 P. M.

50 Ewes — 100 Rams

LAS ANIMAS, COLO.

HAROLD TONN

Haven, Kansas, Auctioneer

For catalogs write:

TOM W. BEEDE

Las Animas, Colorado

SHEEP

HAMPSHIRE Sheep Sale

Dispersing our foundation flock.

90 HEAD OF EWES

10 RAM LAMBS

October 22, 1953

Write for information

G. WILSON, Louisburg, Kan.

HAMPSHIRE SHEEP, DUROC HOGS, AND MILKING SHORTHORNS

Purebred stock. Both sexes. All ages.

WILLARD WALDO, De Witt, Nebraska

SATISFACTION

BY THE SACKFUL



Every sack of PIONEER Hybrid Seed Corn is full of SATISFACTION. Why? Well, simply because PIONEER is DEPENDABLE. It has the ability to wring out every last possible bushel of corn that soil and weather conditions will permit.

PIONEER

HYBRID SEED CORN

EXTRA YIELDS by the BUSHEL



Extra Bushels in Yield mean Extra Dollars in Profit—and PIONEER definitely produces BIGGER YIELDS and GREATER PROFITS from your corn acreage. See Your PIONEER Salesman TODAY.