

KANSAS FARMER

OCTOBER 4, 1947

CONTINUING MAIL & BREEZE

100



Apples Are Ripe in Northeast Kansas . . . See Page 3



SEVENTEEN THOUSAND DOLLARS from 50 acres of single cross hybrid seed corn! That was one of the accomplishments last year of Champion Farmer John J. Gannon and his father, William P. Gannon, on their 785-acre farm near Valeria, Iowa. Hog sales totalled over 400 head. In a recent month, 16 purebred Guernsey cows, three of them dry, returned \$504.78 over feed costs. Seventy head of purebred Aberdeen-Angus cows, and their calves, provide a profitable outlet for roughage. So does a flock of sheep. The Gannons bale 7000 bales of hay annually. Careful pasture management, manure and commercial fertilizers, and a soil conservation program keep the farm highly productive. For economy and efficiency in operating their farm equipment, Champion Farmer Gannon has found it pays to depend on Firestone tires. When he and his father buy new tractors, they specify Firestone Champion Ground Grips. In the photograph, Shelia Ann Gannon with her grandfather, William P. Gannon, and her father, Champion Farmer John J. Gannon.

For more information about Champion Farmer John J. Gannon, write to The Firestone Tire & Rubber Company, Akron, O.

Champion Farmers Specify Firestone CHAMPION GROUND GRIPS

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Tests show that Firestone Champion Ground Grips clean up to 100% more effectively, pull up to 62% more, last up to 91% longer, and roll smoother over highways than any other tractor tires . . . important facts to cost-conscious farmers.

Only Firestone Champion Ground Grips are made with connected curved traction bars. These bars clean with a plowlike action . . . giving the Champions more pulling power. Extra tread rubber in the bar connections gives them a "Center Bite" in the heart of the traction zone. This, too, means more pulling power. The extra rubber in the connected tread increases tire strength . . . lengthens tire life . . . money-saving points you can't overlook when you buy new tractor tires. So when you buy . . . buy the best . . . buy Firestone Champion Ground Grips.

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Only **FIRESTONE CHAMPION** Ground Grips take a "CENTER BITE"

Shelter Belt Does Well

A GOOD 300-foot shelter belt was set out this spring north of the farmstead on the Wilbur Howell farm, Norton county. Because moisture conditions last fall were favorable, Mr. Howell did not summer-fallow ahead of his tree planting, but prepared the strip in September.

The shelter belt contains 9 rows with 400 to 500 trees being set out in 12-foot rows, and not more than 10 feet apart in the rows. Planting close will give the ground a quicker shade so cultivation will not be necessary over so long a period, Mr. Howell explains.

Following recommended practices, Mr. Howell put his shrub trees on the outside rows with taller trees graduating toward the center. This arrangement gives protection at both a low and high level.

Altho he was unable to do so because of the location of the shelter belt, Mr. Howell says it is a good plan, where possible, to drain terraces or a diversion terrace onto the shelter belt area.

Has High Producers

Good breeding and strict culling have helped Floyd Jantz, McPherson county, maintain one of the highest producing dairy herds in a 3-county area. That includes Rice and Harvey counties besides McPherson. In 1945 he had a herd average of 495 pounds of butterfat. The following year he culled out some of the lower producers and hit an average of 511 pounds of butterfat from a herd that averaged 16 cows.

This year more than half his Holstein herd is made up of first-calf heifers and he still expects to come close to 500. Half of the heifers will hit more than 400 pounds, he believes, and only 2 will be below 300.

He had an Ormsby bull with a production background of 450 pounds of butterfat. He was classified very good. Now he is improving his herd still more with a new bull out of an Advanced Registry dam that produced more than 500 pounds of fat as a 2½-year-old.

As individuals go, Mr. Jantz had a 2-year-old heifer last year that made 569 pounds of fat and was classified very good. That is as high a classification as can be obtained at that age.

"Very Good" Sire

An outstanding herd sire of the Jersey breed has been developed by D. W. Boster and A. C. Knop, of Larned and Ellinwood, respectively, states The American Jersey Cattle Club.

The bull is Dreaming Moor Sweet Aim 422886, that has qualified as a Tested Sire whose daughters average more than 2½ times the butterfat production of the average U. S. dairy cow. His tested daughters produced an average of 9,622 pounds milk, testing 5.37 and averaging 517 pounds fat each. Production was computed on a 305-day twice daily milking mature basis.

Dreaming Moor has a type rating of Very Good and has 13 daughters having an average score of 83.27 per cent as compared to the breed average of 82.74 per cent.

Senator Capper on Radio

Every Sunday afternoon at 4:45 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

KANSAS FARMER

Continuing Mail & Breeze

Topeka, Kansas

Vol. 84, No. 19

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Member: Audit Bureau of Circulations, Agricultural Publishers Association, National Publishers Association.

Published the first and third Saturdays each month at Eighth and Jackson streets, Topeka, Kan., U. S. A. Entered as second class matter at the post office Topeka, Kan., U. S. A., under Act of Congress of March 3, 1879.

Three years, \$1; one year, 50 cents.

The Cover Picture



Donna Thompson, left, and Anna Margaret Clary, both of Troy, display a branch from an apple tree that is heavy with fruit. Tips of the branch are weighted down to the ground.

APPLES are ripe in Northeast Kansas. And there is a heavy set on the trees. Among the first ready for picking last month were the Winter Bananas. On the Mack Brazelton farm, managed by Fred Smith, pickers were reaching the tallest branches with long ladders as they harvested the fall crop. The trees were producing about 20 bushels of the golden fruit.

To properly display the fruit, Don Pounds, superintendent of Troy schools, excused 2 of his high-school girls from afternoon classes to pose for cover pictures. On the cover, the young lady reaching for an apple is Donna Thompson, daughter of Mr. and Mrs. Rueben Thompson. They live north of Troy. Donna says she is not a politician, but she was vice-president of her class last year, and holds the same office as a sophomore this year.

Accompanying Donna was Anna Margaret Clary, daughter of Mr. and Mrs. Charles Clary. Anna Margaret is a senior this year and is a leader in her class, too, having been president of her group as a sophomore. Anna Margaret wore a cool, white dress for school. "But, you should have seen me last August," she says. "I was dressed in 'jeans' then and was picking Wealthy apples with the rest of them."

Most of the growers in Doniphan county market their apples co-operatively. The various Apple Growers' Associations have large warehouses in

their localities. The warehouse at Troy is equipped with 2 graders. When both machines are running at capacity, it requires nearly 60 people to keep everything running smoothly.

The association at Wathena is even larger. In addition to apples, producers there market berries, tomatoes, grapes and other produce co-operatively.

Fertilizer is an important item to fruit producers. Most important at present is nitrate. They apply about 4 pounds to each tree, depending on the age of the tree. Fred Smith says he just sprinkles the nitrate on the ground beneath the tree well away from the trunk. It helps the set of apples and improves yields.

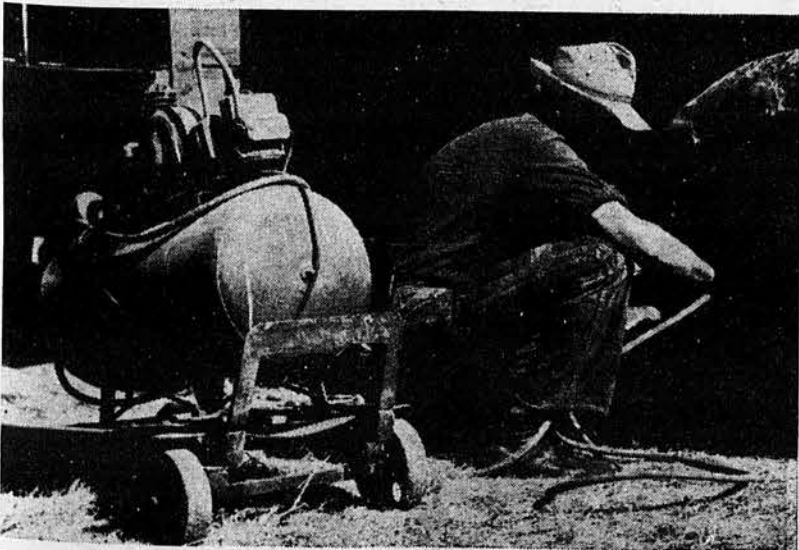
Wool Crop Is Low

Shorn wool production in Kansas this year is estimated at 3,261,000 pounds, which is 322,000 pounds less than last year and about 30 per cent less than the last 10-year average.

According to a report by the Bureau of Agricultural Economics and the State Board of Agriculture, only 382,000 head of sheep will be shorn in Kansas this year. Average fleece weight is placed at 8.5 pounds, slightly above average.

United States wool production this year also is 24 million pounds, or 8 per cent less than in 1946 and 29 per cent below the last 10-year average.

Free Air on Wheels



An air-pressure tank is a necessity on the farm today. But flat tires seldom occur near the air supply. Earl Porter, Johnson county, installed his pressure tank, motor and compressor on a truck. The assembly is plugged-in at the shop. After pressure is up in the tank, the complete assembly can be moved to the flat tire with ease. John New, a neighbor, adds air to a front truck tire that went down some distance from the shop.



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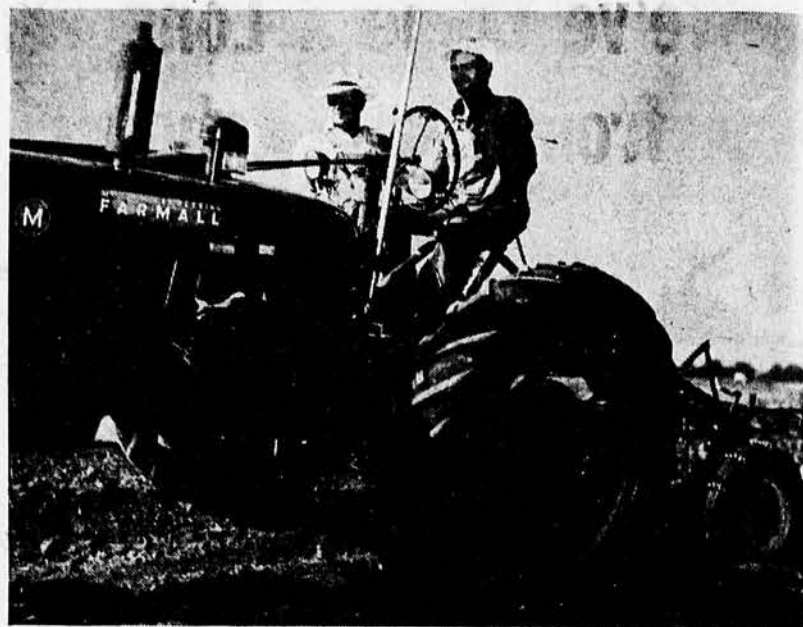
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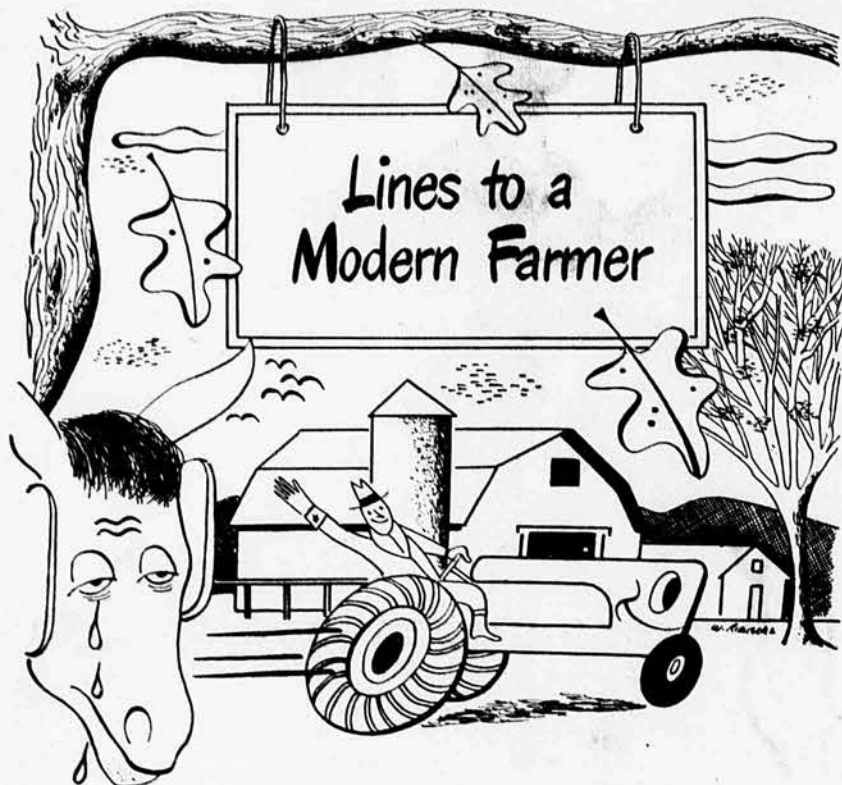
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Kansans Win Honors at Plow-Terracing Meets



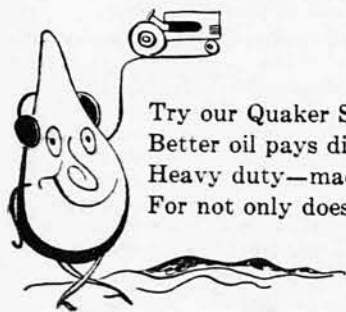
Louis Buessing, Vermillion, is at the wheel of his Farmall tractor with which he won the national plow-terracing contest at Weeping Water, Neb., this fall. He pulled a 2-bottom, 16-inch plow. He scored 121½ points out of a possible 140. Standing beside him on the tractor is his helper, Leo Spillman, who kept a check on his terrace while Mr. Buessing was winning second place in the state contest in Brown county.



As a farmer you are busy; and the thing that drives you dizzy
Is to find the time to do what must be done.
If you tackle all you ought to, after doing what you've got to,
Chores may keep you working hard from sun to sun.

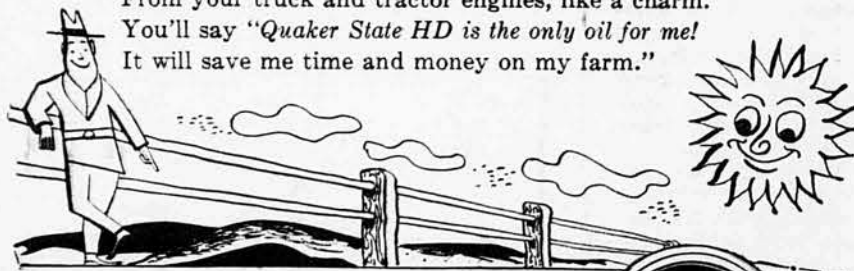


That is why your truck or tractor must perform its daily act, or
You may find it tough to prosper on the soil.
If your truck or tractor motor should foul up and get your goat, or
Clog the valves, or burn out bearings—watch the oil!



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Better oil pays dividends in farm machines;
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FOR YOUR AUTOMOBILE



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SOIL-SAVING terraces can be built with an ordinary plow. Terraces that pass soil conservation specifications. The kind that are easy to farm and will last as well as any others.

Altho that fact still is not recognized in some quarters, it has been done time and again in Kansas. Plow terraces are popular here. So popular that a state invitational plow-terracing contest late in summer in Brown county, drew 22 contestants from a wide area.

Winners in this meet were eligible to participate in the national contest held later at Weeping Water, Neb. Louis Buessing, Vermillion, won second in the state contest and plowed his way to first place at the national. First-place winner in Kansas was Luther Johannes, Powhattan, who also had taken first in a regional meet held the year before near Hiawatha.

These plow-terracing contests are more than just a race. To be in the running a contestant must put up a good terrace. If the terrace he builds does not meet specifications, he is pointed down and has very little chance of being among the winners.

At the national Mr. Buessing had a score of 121½ out of a possible 140 points. He built a perfect terrace in height and cross section. His terrace had good uniformity. He used a Farmall M and two 16-inch plows.

Still another Kansan won fifth place in the national. Lloyd Edwardson, Everest, took that position in both the state and national contests this year.

At the state contest Mr. Johannes scored 94.5 points out of a possible 100. Mr. Buessing was a close second with a score of 93.4. These men are good tractor drivers and know where to make the next round to complete a terrace in minimum time. They can put up a 100 per cent terrace with their plows, but in the interest of speed dur-

ing a contest may slip a little here or there.

It takes practice to plow a good terrace in short time. They have had practice constructing terraces on their own farms. Mr. Buessing has terraced nearly 90 per cent of his 240-acre farm. Mr. Johannes says he has constructed about 10 miles of terraces. And 30 per cent of his 175-acre farm is now protected with plow terraces he built. He used a Minneapolis-Moline tractor pulling a 3-bottom, 16-inch plow.

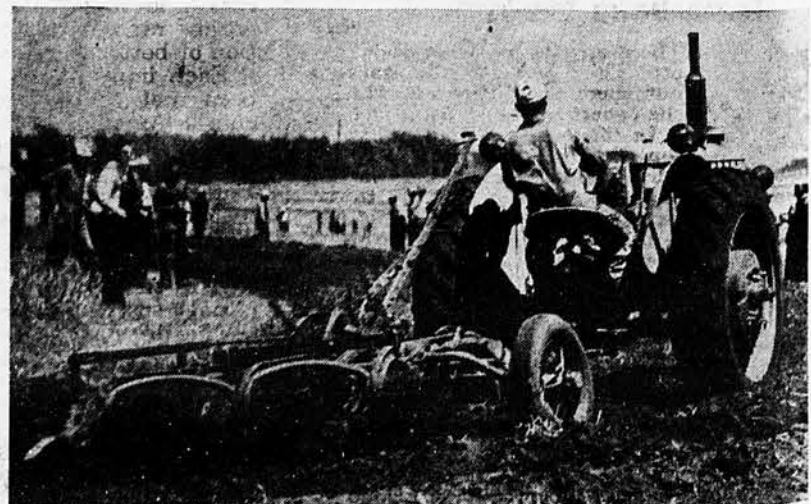
Terraces can be built more cheaply with heavy equipment, but few farmers have sufficient use for that machinery unless they intend to do contract work. During off seasons it is possible to use farm tilling machinery to build terraces. And the farmer can do the work himself. With that combination it often is possible for the farmer to do his own work with a plow at less cost than by contract.

Is Water Safe?

Farm-home water supplies should be tested for purity, says Roy G. Johnston, sanitary engineer with the Kansas State Board of Health. "Unless," he adds, "the farmer can answer questions about his water supply in the negative."

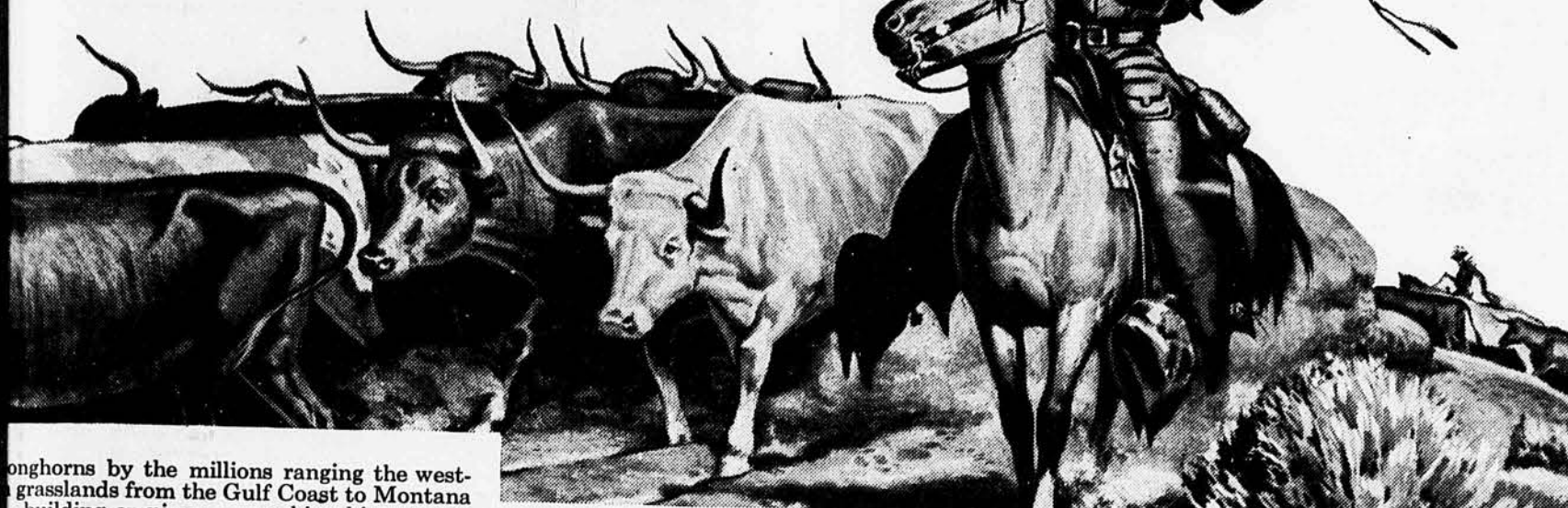
The 3 questions include: Are there any carriers of communicable disease on your farm? Is there a toilet or septic tank in a position to contaminate the drinking water? Is the well protected by a curb or covering?

If even one answer is affirmative, water should be tested, adds Mr. Johnston. The health unit in your county can make the test, or a sample of the water can be sent to the chemistry department at the University of Kansas. Lawrence, he explained. Let's keep water supplies pure.



Luther Johannes, Powhattan, is keeping a sharp eye on a turn he is about to make during the state contest last summer in Brown county. Mr. Johannes took first place in a regional contest held last year and came thru for a first in the state contest this year. He scored 94.5 points out of a possible 100.

We've Come a Long Way from the Longhorns



Longhorns by the millions ranging the western grasslands from the Gulf Coast to Montana, building empires . . . making history and ending on the great cattle trails! That was sixty or more years ago. Then the railroads came, each of the range was fenced and the fate of the longhorn was sealed. Shorthorn, Angus and Hereford bulls came in from the east. Gradually, the longhorns were bred out of existence, and today only a few isolated "museum" herds are left.

This is one story of continuing livestock progress, of better animals developed to meet changing conditions and needs. Who knows but that in another fifty years today's "best" may be as old fashioned as longhorns do now.

With hogs, one amazing change is in the increased speed and efficiency of producing pork. Three years once was needed to raise a hog to market weight. Today, pigs often weigh 200 to 300 pounds at six months or less. Straight line cross-bred breeding experiments seek even more efficient hogs to make weight in the same short time, but produce more meat.

In lambs, development is directed toward "dual-purpose" breeds. Certain breeds have been best for wool but not best for meat. Others produced the meat but were lacking in wool. Researchers have made progress on breeds of sheep to produce both meat and good wool economically.

A first step in the improvement of any animal or any herd is to use proven sires on dams of proven productive ability. The eye alone is not enough. To know production records and ancestry is vital. Bull grading programs offer greater certainty in choosing a sire. Weighing young animals at weaning time and marking them is important, especially in the selection of gilts. A "culling system" of sheep grading is proving useful in culling large bands in little time.

On any matter pertaining to livestock breeds and breeding, Swift & Company has no favorites. We serve the interests of producers of all breeds, in all parts of the country. We urge you to read carefully your farm publications, and the

bulletins of your state agricultural station, and the accomplishments of successful breeders for latest news about the kinds of livestock which you raise.

Martha Logan's Recipe for

UPSIDE DOWN CHILI PIE

(Yields 6 servings)

1 pound ground beef	1/4 teaspoon chili powder
1/2 cup chopped onion	1/2 teaspoon salt
1 tablespoon shortening	1 teaspoon Worcestershire Sauce
1 cup cooked kidney beans	1 cup cooked tomatoes

Sauté meat and onion in melted shortening. Add beans, seasonings, and tomatoes. Cover. Simmer gently about 15 minutes. Pour into a greased 9-inch pie plate. Top with corn bread batter. Bake in a hot oven (425 degrees F.) for 20 minutes.

Corn bread

1/2 cup sifted flour	1 tablespoon sugar
3/4 cup yellow corn meal	1 beaten egg
2 teaspoons baking powder	1/2 cup milk
1 teaspoon salt	2 tablespoons melted shortening

Mix and sift dry ingredients. Combine egg and milk. Add to flour mixture, stirring until well mixed. Stir in shortening. Pour over chili in pie plate.

Will It Pay Me to Specialize?

by M. T. Buchanan
State College of Washington



M. T. Buchanan

"Should I specialize in some crop or enterprise, or should I diversify my operations?" Many farmers and ranchers have to find the answer to this question. For instance, in the state of Washington, there are 63 distinct types of farming in this one state alone. And they should consider that the types of products which come from farms in different areas of the United States are not accidental. They are caused by the inter-action of physical and economic factors. The operation of these two forces has been hastened by mechanization, development of better crop varieties, breeds and disease-resistant strains.

Specialization, of course, leads to increased efficiency in the use of labor, equipment, capital and buildings. Marketing is an easier task and more time is available for maintenance of equipment and for planning new and better methods. A great deal of the increase in production of agricultural products has resulted from specialization. Farms have increased in size. Proportionately, the amount of labor needed has decreased, allowing more labor for use in other ways.

Specialize or diversify? There's plenty of "real life" evidence to help you in reaching a decision. Go visiting. See how your neighbor does it. It's your problem and even if you decide to make no changes from your present plan, you'll get a lot of ideas on how you can do your work better.

Packers do not make livestock prices



In their day, the hardy, self-sufficient longhorns were the best breed for the open, unfenced ranges. In a land without transportation they actually took themselves to market. But the tough longhorns couldn't match newer breeds in beef production.

Calves from Hereford, Shorthorn and Angus bulls and from thrifty longhorn dams grew faster. They produced more and better meat from less feed. Blockier and of heavier frame, they yielded more of the more popular meat cuts. They were better money makers for farmers and ranchers. Such results encouraged selection of better foundation stock.

Each improvement in meat production has been met by increased demand for popular cuts on America's dinner tables. Livestock producers and meat packers have worked hand-in-hand to encourage greater demand for meat. But Swift & Company plays no favorites among breeds of beef producing animals. We do not make markets . . . we find them. In our buying of livestock we transmit to producers the knowledge of the kinds of meat that are preferred in various sections of the country.

The price producers receive for their livestock is governed by what the packer can get for the meat and by-products.

F.M. Simpson.
Agricultural Research Department

Track Down the Facts

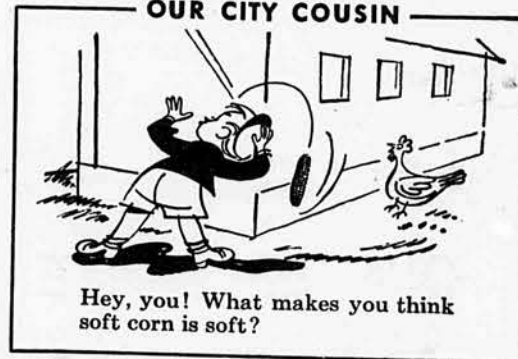
These are the tracks of the coyote. They look like dog tracks, but there are differences which the expert tracker can see.

In the livestock business, too, sometimes things are not as they seem to be. For example, some people say we waste grain by feeding it to animals. Instead, they say we should eat the grain ourselves. They do realize that the millions of head of cattle and sheep that are marketed every year are little more than grass turned into meat. It is true that many of these animals are fed a certain amount of grain other concentrates to turn them into finished animals. However, if it were not for cattle and sheep, 779,000,000 acres of land in the United States would produce little, if any, food for humans. Put it another way, about 51% of the total of our nation consists of grazing land which is not to be used for producing other feeds and food.

Walking Running



OUR CITY COUSIN



Hey, you! What makes you think soft corn is soft?

Soda Bill Sez: . . . the man who gets what he wants is successful. The man who wants what he gets is happy.



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Right eating adds life to your years—and years to your life

QUALITY FARM LUBRICANTS FOR FORTY YEARS

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WHAT LUCK!
THIS GUY'S NOT USIN'
NOURSE PICKER ROLL
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AN' LOOKA
TH' CORN HE'S
LOSIN'!!

**Use Nourse
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Light applications several times a day is all you need. Order from your Nourse dealer today or write direct.



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American Royal Livestock Show
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Septic Tanks	Poultry Houses	Machinery Shelters	Hot Water Tanks

Manure on Brome Makes Extra Feed



The ball-bearing cutoffs to which Elwood Koehn is pointing stop the flow of milk automatically when the can is filled. Poured into the strainer on top, milk passes over the refrigerated aerator and is thoroughly cooled before going into the can. Cans are only a few inches from the floor and require no lifting to remove them from the cooler.

GIVE brome grass plenty of fertilizer and it will return the compliment with extra grazing. That is what Albert Koehn, McPherson county, learned.

Mr. Koehn has an 8-acre patch of brome and alfalfa that was seeded in 1944. He used 10 pounds of brome and 3 to 4 pounds of alfalfa an acre. This acreage is close to the farm home and considerable amounts of manure was spread on it when weather conditions made it impossible to cultivate.

The brome did well on that diet. Early last spring 30 head of dairy cattle grazed on this 8 acres for 5 weeks. He took the cattle off for 4 weeks to give the pasture a second chance. After that it carried 25 head of cattle for another 4 weeks. Early in August there was more grazing available which he expected to use before it was time for the brome to make a new start.

Dairying is the principal livestock program on this farm. And Mr. Koehn is not afraid to try new methods, sometimes they are experiments. Last fall he was preparing a field for alfalfa, but he could not get control of weeds when rains came after the dry summer. He switched plans, reserving the field for oats. He drilled oats in 16-inch

rows, then when it was up 4 to 6 inches he seeded 10 pounds of alfalfa diagonally across the field. It was a short 10 acres and Mr. Koehn harvested more than 40 bushels of oats an acre. After the oats was harvested a satisfactory stand of alfalfa was peeping thru.

He too has something different in the way of milk coolers in his grade-A milk room. Instead of lifting full cans of milk into a brine-filled cooler, the milk first passes over a refrigerated aerator and then goes into the can for cool keeping. It gives the milk a quick cooling, then keeps it cool without brine. When loading the milk into the truck, it saves back strain. The bottom of the can is only a few inches from the floor and can be rolled out with ease.

Cleaning the cooler is a comparatively simple operation. To demonstrate, Mr. Koehn swung the doors open and went to work on the cooler with a stream of water and brush.

Convenient Dusters

For dusting I make up several cheesecloth dusters at one time, sprinkle each with a little furniture polish and keep dusters in a regular kitchen canister.—Mrs. F. W. T.



Elwood Koehn, son of Albert Koehn, McPherson county, displays the stand of spring-seeded alfalfa raised this year with wide-spaced oats. Wet weather prevented fall seeding, but this spring crop worked out all right. Mr. Koehn says he still prefers fall-seeded alfalfa, however.

Grass Silage...

• • • adds safety to roughage harvest
provides "spring pasture" any month
aids in soil conservation

By ED RUPP

GOOD spring pasture in any month of the year! Grass silage makes that a near possibility. An increasing number of Kansas farmers are making use of this high-protein, high-carotene feed. A few have used grass silage 10 years or more. Many others put green hay in their silos this year for the first time.

The term is loosely applied. Grass silage may include alfalfa, clovers, wheat, oats, rye and even grasses, like brome and Sudan. And it is not confined to those species alone.

But regardless of the grass used, as pointed out in the Kansas Farmer for July 5, 1947, grass silage has excellent feeding qualities. A poor crop cannot be made better by ensiling it, but a silo does help preserve a crop near its highest feeding level.

G. H. Beck, associate professor of dairy husbandry, Kansas State College, Manhattan, points out that the ensiled crop will be no better than it was originally. The quality of ensiled feed depends directly on the quality of the feed that goes into the silo.

Not so long ago it was difficult to find farmers who were using hay for silage. A comparatively large number can be found now. But ask a farmer how he makes grass silage, and the chances are he will reverse the procedure and ask how it should be done. Altho many have tried it with varying

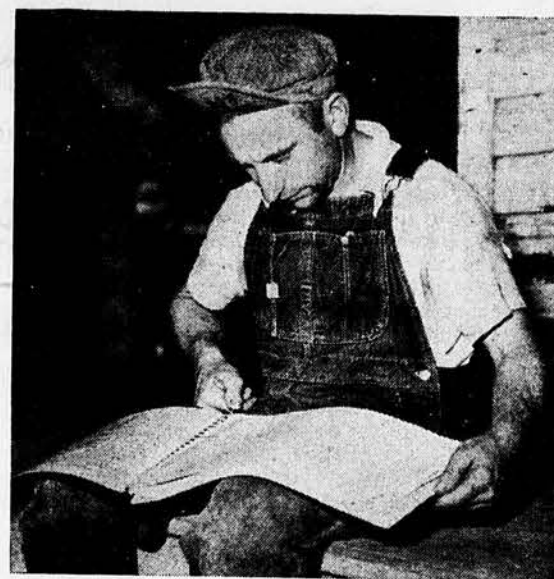
degrees of success, a large number say they still are experimenting.

Mr. Beck has a way of describing the problem. Asking how to make alfalfa silage, he says, is much like asking grandmother how she bakes those fine cakes. You may know the ingredients as well as grandmother, but her cakes turn out better.

Earl Porter, Johnson county dairyman, has been thru the grass silage mill. In the last 10 years he has ensiled alfalfa, sweet clover, brome, Sudan, wheat, oats, and plans to seed red clover for the same purpose. He found they all made good feed but Sudan apparently was not as good as the others. He says sweet clover makes excellent silage, just as good as alfalfa. It yields heavily, too. He weighed a crop of sweet clover one year and found it yielded 9 tons green weight an acre.

A lot of first-crop alfalfa was pushed aside this year and burned, Mr. Porter says. It was an unusual spring, but that first crop always is threatened by wet weather. He put his first crop in the silo and started using it in summer. When dry weather hurt pastures, he kept milk production high by feeding alfalfa silage. Alfalfa silage is nearly as good as green pasture and the silo can be used for 2 crops a year instead of just one.

For several years he preserved silage with an



Legume silage, alfalfa and red clover, increased herd production last summer on the Gast dairy farm, in Johnson county. Joe Gast examines his DHIA record book. His herd average in June on bluegrass was 657 pounds of milk. On silage in July, 767 pounds.

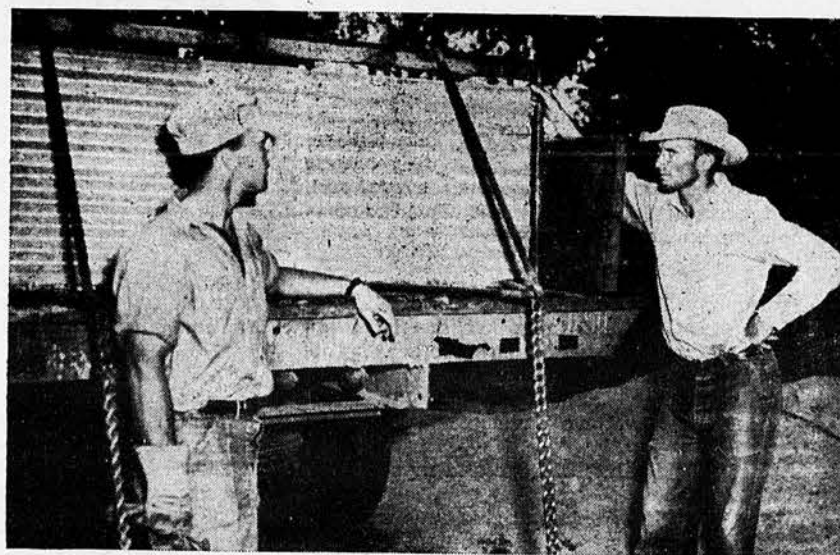
acid. But this year for the fourth time he used a prepared lactic acid bacteria. It is much simpler, he says, and less expensive, too. Altho tests conducted in eastern experiment stations tend to discredit the value of this prepared bacteria, Mr. Porter says it has never failed him. A Wisconsin experiment station report says this silage is less palatable than the same feed preserved with chopped grain or molasses. But Mr. Porter has had no difficulty in feeding it.

In 4 years he has had no undue spoilage and he has paid little attention to wilting. This year, he says, he even put some alfalfa in his silo while it was raining. At least he saved the feed which would have been lost otherwise. Altho he had some corn for ensilage this year, too, he may quit row crops for silage in favor of grass and legumes.

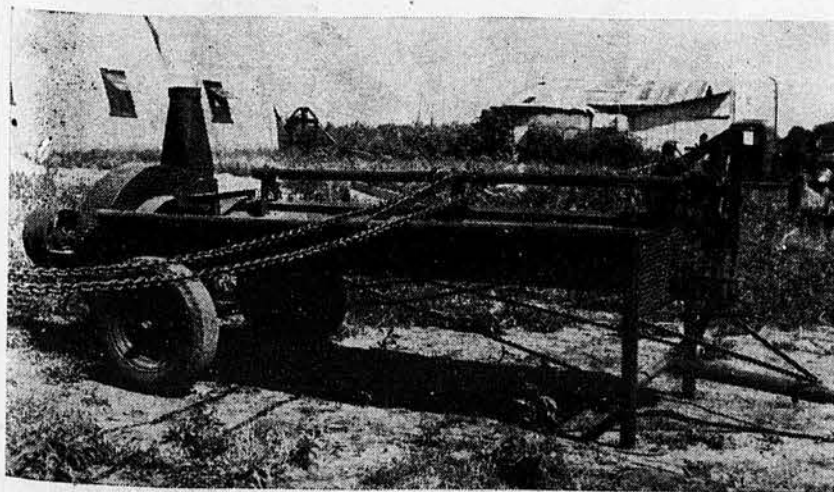
The bacteria is described as a lactic-acid bacteria, which is supposed to start proper fermentation in the silo. It can be applied in several ways, but the easiest method, [Continued on Page 32]



A paper cover over a trench silo filled with green alfalfa tends to lessen spoilage. George McCallum, left, and his brother, Neil, Chase county, examine a sample of silage taken from beneath the paper. It was well preserved, had a golden color. The feed was wilted in the field and no preservative was added.



Galle brothers, Richard, left, and Dale, McPherson county, display the false endgate they use to remove feed from a truck. It is built of heavy steel rods, angle irons and sheet steel. A pipe was slipped over the upright rod, where Dale is holding the endgate. The pipe rolls permitting feed wedged between endgate and truck bed to slip thru.



This is the blower Galle brothers use to pull chopped feed from the truck and blow it into their silo. It was built by Adin Holdeman, Heston. The loaded truck is backed solidly against the front side of the feeder. Chains from the false endgate are hooked to the winch attached above the feeder. Belt power drives the winch.



Pulling feed from a truck with a false endgate can be troublesome at times. It is a heavy pull when the truck is full. Earl Porter, Johnson county, left, helped by a neighbor, rakes feed into the blower as it is pulled back in the truck. The tractor is off the picture to the left. The truck is held in position with wheel blocks.

Farm Matters

AS I SEE THEM

I SEE that the cash income of Kansas farmers this year, 1947, is going to reach, perhaps pass, the billion-dollar mark.

That is fine. I rejoice with you. But just remember a few things in connection, and "don't throw any of that cash away," is pretty good advice.

In the first place, the dollars you are getting are only about 45-cent dollars (in purchasing power) compared to the prewar dollar.

In the second place, while farm cash income has more than doubled, since 1939, your wage rate for labor has gone up between 3 and 4 times. Most of the things you buy cost almost between 1½ and 2 times as much as in 1939.

And the taxes you have to pay, on the average, are probably 10 times as high as they were 2 decades ago. You know what the figure is far better than I. If you don't the tax collectors will see to it that you do, some of these days.

What I am trying to say is that the millenium has not arrived—at least not permanently.

Already, my information is, the high taxes, the high cost of labor, the higher cost of farm machinery and equipment, the higher prices for nearly everything, are catching up with farm income.

Looking ahead beyond the immediate future—this immediate future may last a year, two years or more—I can sense that the inflation on which we are riding high today is going to be followed by an afterclap that we are not going to enjoy at all.

The longer this inflation lasts, and the higher the prices (and costs) go, the harder is going to be the fall.

I don't like to write this kind of an editorial for The Kansas Farmer. I would much rather brag about the farm income that has made the Farm Belt of the United States by far the best market for all kinds of goods in the whole United States, and therefore in the whole world.

It is going to continue to be the best market for quite a while to come. I hope it is going to continue for a much longer period than I have indicated; that it always will be the best market in the world.

Just the same, when Congress reconvenes, I can tell you that the Senate Committee on Agriculture, of which I am chairman; and the House Committee of Agriculture, of which Rep. Clifford Hope, of Garden City, is chairman, are going to get right busy preparing for the long pull, and the hard pull, that American agriculture will face when the post-war inflation ends.

Very frankly, I believe the farmers of Kansas, and of the Mid-Continent farm belt, are fortunate in that both Congressional committees dealing directly with farm problems, have chairmen who have grown up with Kansas and Kansas agriculture—and I hope that we have grown as it has grown.

I can assure you that Clifford and myself both will be on the job.

I am not going into detail at this time on what I believe is necessary in the permanent national farm program. But I will say that I believe a well thought-out and well-planned national farm program is necessary.

It is true too that there has been an increase in population in the United States of about ten per cent during the period that farm production has increased better than 25 per cent. And higher wages, full employment, and the resultant higher standard of living in the matter of food, have made a much better home market for foodstuffs than perhaps we ever have enjoyed. The American people are eating more food, and better food, than ever before. But we have no assurance against recur-

ring surpluses, especially in wheat and other basic commodities, when the artificially high postwar demand from abroad drops back toward normal.

So, as I see it, the permanent national farm program must include (1) continuance of a price-support program; (2) a continuance and very likely an expansion of the soil-conservation program; (3) a revision of the parity formula to meet changing conditions as these change; (4) development of a sound and practical research and marketing program that will develop markets as well as modernize distribution in existing markets; and (this goes beyond the field of direct agricultural legislation) a reduction in inflationary government spending, lending, borrowing and taxing programs. Without this last, I can see no end to the present inflationary boom except a disastrous bust.

Kansas Is Gaining

I ALWAYS welcome an opportunity to boost my home state of Kansas. To note the gains made.

Having seen a good many parts of this country, I am satisfied no other state offers greater opportunities or more potential progress than ours.

I have been thinking about this in connection with the most recent report of the population in Kansas, sent out by J. C. Mohler, secretary of the Kansas State Board of Agriculture.

This report shows that in 1947, Kansas has had a population gain of 46,186 over 1946, giving the state a total population now of 1,835,011 persons. The reasons given for this gain are very interesting. Along with the rest of the country, our birth-rate shows an increase. That is all to the good. I feel that children are fortunate to be born in Kansas. Return of servicemen and their families meant some increase. Another reason given for the increase is the fact of more permanent type of residents, contributing to greater accuracy in the enumeration than has been the case during the last few years. That is a good sign Kansas is settling back on a pretty steady keel.

Another reason given for our population increase is the expansion and development of industries and businesses. I want to comment on that point in just a minute; about the possibilities here for more industries. Also, about the possibilities in agriculture. To my way of thinking, they go hand in hand for continued development and progress.

First, however, let's see where we gained population. Counties showing the greatest gains were Sedgwick with an increase of 12,743; Johnson, 7,486; Shawnee, 7,105; and Wyandotte, 3,744. Cities showing increases are Wichita with a gain of 6,959; Topeka, 5,963; Kansas City, 3,185; Manhattan, 1,882; Salina, 1,275; and Emporia, 1,041. The report also states that for the first time in many years the trend from farm to city has been halted in Kansas, with perhaps a slight turn the other way.

These figures indicate that the population gain due to industrial expansion has centered around our larger cities. We are delighted to have it. But it doesn't necessarily mean that future growth also will center around the same areas. Our state is broad and wide. Almost any of our 589 incorporated towns has some advantages to offer. Industrial leaders looking for more breathing room cannot help being impressed with our area of 82,158

square miles right in the middle of the country.

And they are being impressed. Among other Kansas boosters is our Industrial Development Commission, located in Topeka. This organization is telling folks in other states about the things we have to offer. A fairly recent re-

port shows that every one of the 48 states has received information about Kansas. Also, 22 foreign countries. Some 10,369 requests for more information have been received and filled. More than a quarter of a million pieces of Kansas literature have been mailed out to important persons on the commission's regular mailing list. Magazine and newspaper advertising in other states has told of opportunities in our state.

Now, all of this good publicity, together with what individuals and communities have done, has gotten some results. What was called a preliminary survey by the commission shows that more than 400 new industries have been started in Kansas since 1940. They included a number for war purposes, but a majority of these, however, are now producing peacetime goods, representing various products, the commission says, from can openers to prefabricated homes. That may be news to a good many folks. It is good news to all of us.

Right along this line, I note in addition to encouraging new industrial enterprises to come to Kansas and expansion of existing industries, one of the commission's duties is to acquaint the people of Kansas with the state's industries and industrial opportunities. I think we all can study up on our state. It is useful to know Kansas exceeds 39 states in annual mineral output. These include petroleum, natural gas, zinc, coal, cement, stone, and salt. In 1940, the value of Kansas minerals produced was \$130,859,896 or 2.8 per cent of the total for the United States. Certainly that fact holds promise for industries that could come to Kansas.

Kansas ranks ahead of 43 states in petroleum, has more than 20,551 oil wells producing, and 19 refineries are operating in the state. Petroleum and natural gas in commercial quantities are produced in 62 of the 105 counties, the commission tells us. Kansas has the largest known gas field in the world; it is estimated the reserve of this Hugoton pool is 13 trillion cubic feet of gas. We produce 4 million tons of coal a year. We rank third in zinc and sixth in lead production. There is enough salt in Kansas to supply the entire United States for 500,000 years.

Tie all of these items in with our rich agricultural resources and we have a state to reckon with when considering the locating of any industry. We lead the world in wheat, and rank far up the line in 40 or 50 other farm products. Despite our past records, I am convinced we can produce far more than anyone now imagines. More intensive farming could add to our yields. Perhaps more intensive farming would mean smaller farms and more farm families on the land. Bringing in more industries might aid that very movement—the return of more family-size farms operated intensively. That would be a good thing for Kansas. At any rate we have room for more industries and more farm families. It seems to me Kansas has a great future.

Arthur Capper
Topeka, Kan.

We Call It Inflation--Some Place Else

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

WHEN the number of spendable dollars goes up many times the volume of goods that can be purchased...

When Government expenditures and taxes increase many-fold, taking the savings of the people...

And when speculation in money, stocks and commodities, added to the before-mentioned conditions, drives prices higher and faster than wage earners and producers can catch up with them...

When these things happen in China,

in Germany, in Italy, in France, in Latin America, even in Canada, we call it inflation.

But when they happen in the United States, by some queer quirk of thinking, we miscall it prosperity.

Americans are riding that kind of wave—perhaps it might better be called that kind of wind—at the pres-

ent time, and still call it prosperity.

Because, in addition to the conditions mentioned, there is a serious world shortage of foodstuffs, particularly of grains; and added to that, the United States is facing a corn crop probably one fourth less than last year.

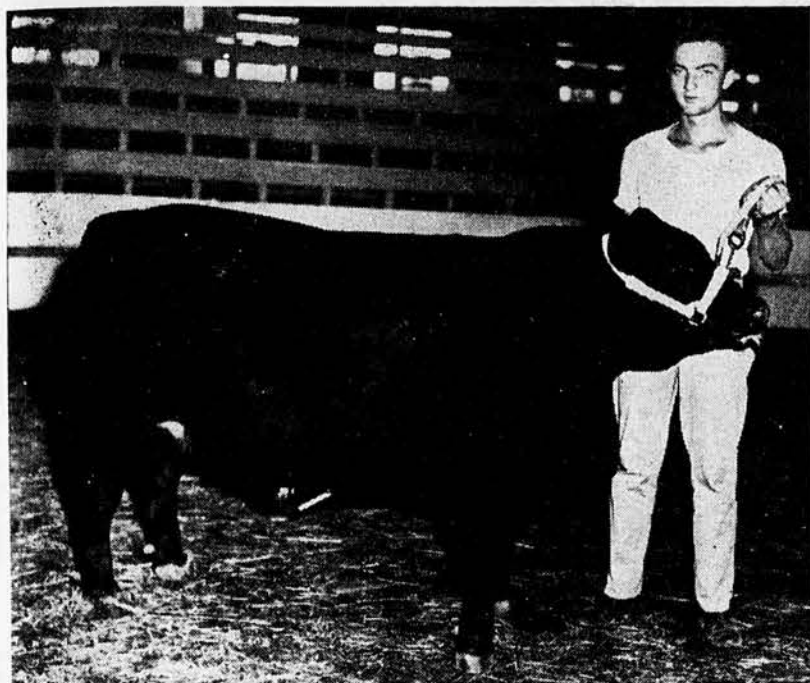
And because the resultant promised shortage of grain crops in the United

States is being increased by heavy Government buying for shipments to (mainly) Europe, the high prices of foodstuffs in America are giving everybody the jitters.

In 20 years (from fiscal year 1927 to fiscal 1947) Federal Government expenditures have gone from \$4,100,000,000 annually to better than \$41,000,000,000.

Total tax collections, Federal, state and local, have gone from 12 billion dollars to more than 50 billion dollars.

(Continued on Page 36)



An Angus calf, Eboniza, won the grand championship in the baby beef show at the Kansas State Fair, Hutchinson, for Henry Gardiner, of Ashland.

Many New Records at Fair

First Perfect Score in Dairy Judging Contest

By DICK MANN

WHEN the curtain came down this year on the Kansas State Fair, at Hutchinson, records were strewn all over the place. Only 2 open classes, sheep and beef cattle, failed to exceed last year in numbers, but improved quality made up for the loss.

In the dairy judging contest, sponsored by Kansas Farmer, Deane Thorsen, of Horton, a former Brown county 4-H champion, made a perfect score in the Jersey division. It was the first perfect score in the history of the contest. The Northeast Kansas District team, of which Deane was a member, also broke all records with a score of 1,134 out of a possible 1,200.

Seventy-four Master Farmers and Master Farm Homemakers, the largest number ever present at the State Fair, were guests of the fair board during one day. Many more, with their families, attended the evening banquet given by the Hutchinson Chamber of Commerce and heard a fine talk by Gov. Frank Carlson.

But, to get a real picture of the fair as a whole, let's hear what some of those who ran the big show have to say about it.

Sam Mitchell, secretary of the fair: "A conservative estimate on attendance this year is 350,000, compared to 316,000 last year. People were in better spirits and the fair was by far the best we ever have had. The machinery and industrial show was especially impressive. Renewals for space for next year by manufacturers was the greatest in history, proving the all-around satisfaction of exhibitors. Our big, independent midway will be continued next year on an expanded scale and we hope to have the very latest in rides and shows."

Jim Linn, dairy superintendent: "The dairy show broke all records this year and the crowds attending the judging were unusually large every day, showing the increasing interest in dairying by the public. The Jersey show this year was an all-Kansas affair and quality was unusually high. Judges commented that few, if any states, could put on a better show. Ayrshires had the largest breed show and quality was tops in all breeds. Brown Swiss breeders put on the largest show their breed has held at the fair. I would say that it was the best balanced dairy show in the history of the fair."

Glenn Pickett, beef superintendent: "The beef show was not quite as large as last year but the quality of cattle shown was as good or better. Kansas breeders, especially, showed definite improvement."

Carl Elling, swine and sheep superintendent: "Hog entries were 10 per cent higher than last year's record with all breeds represented. Quality was as high as it has ever been. The carcass demonstration, both for fat barrows and fat lambs, attracted lots of attention. Sheep entries from Kansas this year were as high as last year but there were fewer out-of-state exhibitors. All breeds were represented and quality was outstanding. Judges rated the wool exhibit as very good. The sheep-shearing contest was well represented at the state fair this year, especially in the junior division."

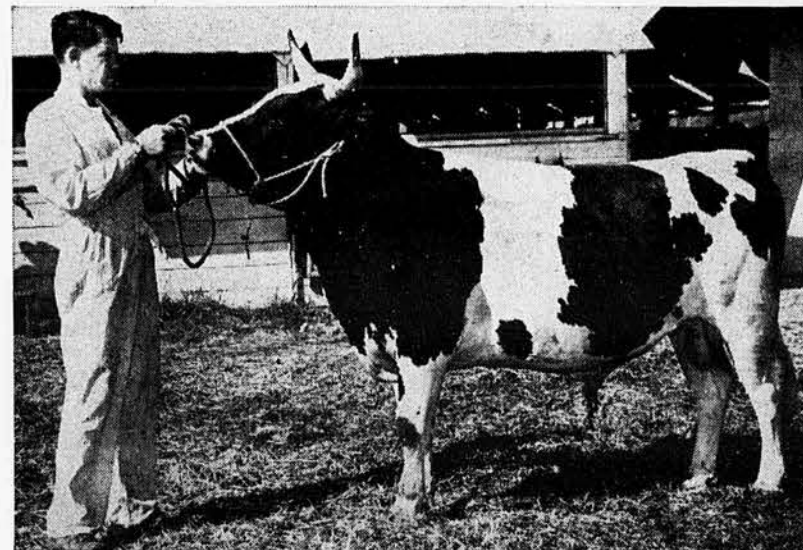
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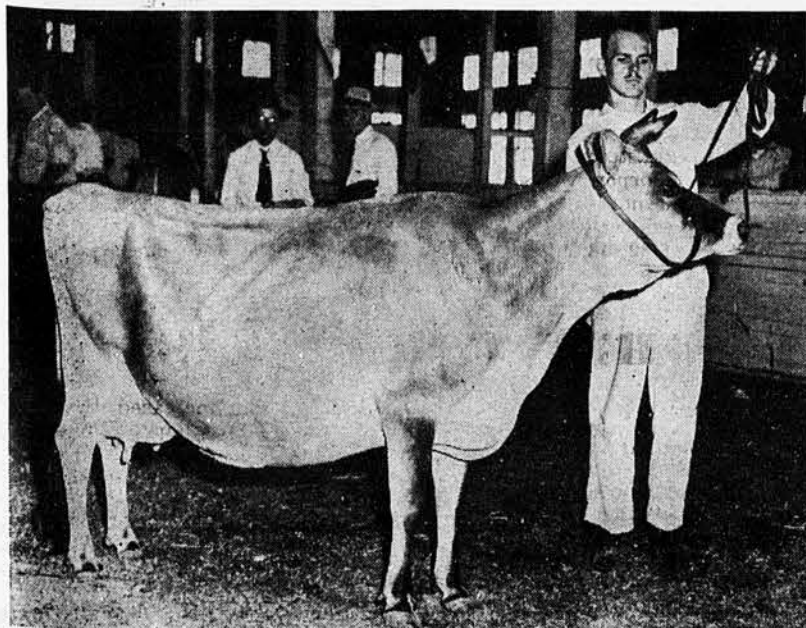
One feature of the Kansas State Fair, Hutchinson, this year was a Kansas wheat festival. Shown here just after being crowned king and queen of the festival are Elmo J. Mahoney, left, of Dorrance, and Marie Beresol, Junction City. They were crowned by Perry H. Lambert, center, president of the fair board.



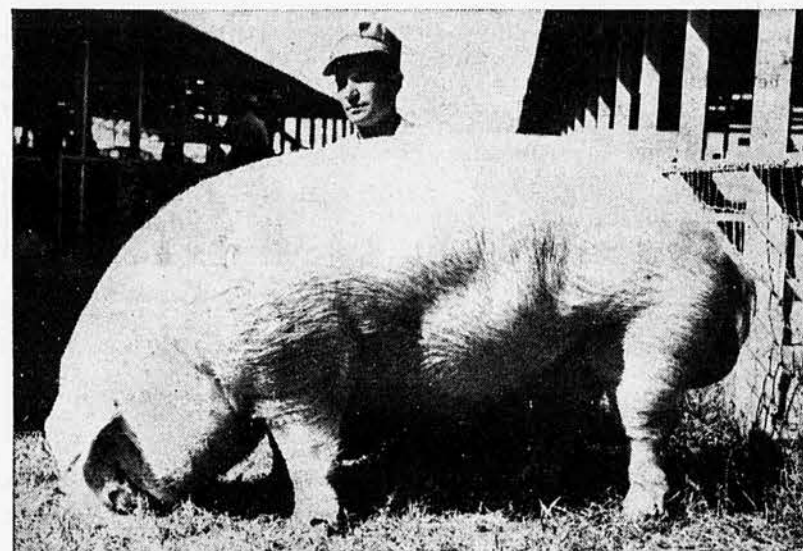
Champion Hereford female in both 4-H and open competition at the Kansas State Fair, Hutchinson, was Walnut Hill Bonny, shown by John Taylor, Great Bend.



Lowell Strickler, Hutchinson, with Whitpain Sonnet, junior champion Ayrshire bull shown by Lowell and his father, Fred Strickler, at the Kansas State Fair.



Boyd Michaels proudly poses Designer Noble Lucetta, senior and grand champion Jersey female at the Kansas State Fair, Hutchinson. She was shown by Hallmark Farm, Kansas City.



Joy Layman and Mrs. Layman, Arlington, exhibited this grand champion OIC boar, Mon Reposa Valiant, at the Kansas State Fair, Hutchinson.



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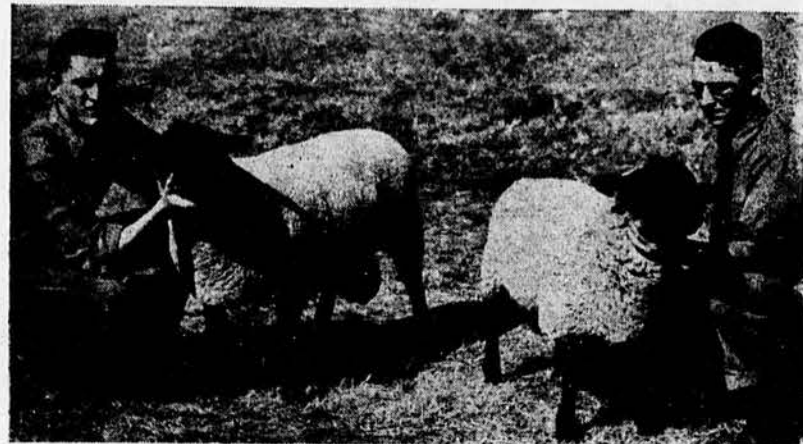
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Many New Records at Fair

(Continued from Page 9)



Suffolk sheep were on exhibit at the Kansas State Fair, Hutchinson, this year for the first time. Shown here with 2 prize Suffolk rams are Sylvester Martin, Mt. Hope, left, and Herman Popp, Haven.

Roger Regnier, assistant 4-H Club leader: "There were 108 beef steers in the 4-H show, and they were of good quality right down the line. The 58 breeding heifers shown broke all previous records in numbers and were by far the best quality."

Lot Taylor, 4-H beef superintendent: "The champion baby beef shown by Henry Gardiner was the best baby beef entry I ever have seen. Henry showed unusual feeding knowledge by holding this baby beef in top condition since last January, when it won reserve championship at the big Denver show. John Taylor's champion Hereford in the 4-H and open classes is the best Hereford shown on the 1947 show circuit. At Topeka this animal won over a Texas entry that previously had beaten everything on the circuit."

Ray Stover, 4-H dairy: "We had 145 head in the dairy show, which broke all records. Quality was greatly improved over previous years. All 6 dairy breeds were represented in the 4-H show this year for the first time."

Frank Bieberly, open class crops: "We had by far the biggest wheat show this year altho quality was affected some by excess moisture. The sorghum show was larger than expected and quality was good. The oats show was big and of good quality. The corn show was not as large as last year but very good considering conditions. For the first time in our memory the best corn, generally speaking, came from Southeast Kansas."

Dr. J. W. Lumb, judge of 4-H demonstration teams: "Despite the fact we had 2 stages and continuous demonstrations, it took all 5 days to judge the record number of teams entered. It was a fine show."

Lester Pollom, superintendent F. F. A. and Vocational Agriculture: "We had 32 teams of boys and almost 1,000 contestants in the various events at the fair. Quality of the machinery exhibits was very high."

Two big livestock sales held during the fair were very successful. The Hampshire hog sale, first ever held at the fair, brought very good prices. The 2 top gilts sold at \$190 each. Average

for the sale was \$151. As a result the sale will be made an annual event at the fair.

The champion baby beef in the 4-H Club sale brought \$1,110 from the Winchester Packing Co., Hutchinson. This was 20 cents a pound above last year's top. First 25 baby beef steers sold for an average of 44 cents a pound, compared with a market average for choice steers of 33 cents. About 400 attended the auction.

Following are the detailed results of the State Fair:

Dairy

AYRSHIRE: Junior champion bull, Fred & Lowell Strickler, Hutchinson, on Sonnet; senior and grand champion, Richard & Raymond Scholz, Lancaster, on Locust Lea Nick; reserve champion, South Central District on Kanstacol Tims Goldplate. Junior champion female, W. S. Watson, Hutchinson, on Ayr-Line Timid Gene; senior and grand champion, G. Fred Williams, Hutchinson, on Woodhull Lady Heddy; reserve, W. S. Watson on Ayr-Line Royal Girl; Kansas District Herd, South Central District.

GUERNSEY: Junior and reserve champion bull, Meadow Lodge Farms, Oklahoma City, on Meadow Lodge Climax's Select; senior and grand champion, Curtiss Candy Co., Chicago, Ill., on Curtiss Candy Levity Maestro. Junior champion female, Curtiss Candy Co., on Curtiss Candy Levity Dot; senior and grand champion, Curtiss Candy Co., on Afton's Golden Marie; reserve champion, Meadow Lodge Farms on Meadow Lodge Queen R. Mona; Kansas Regional Herd, Southern Kansas.

JERSEY: Junior and reserve champion bull, East Central Parish on Geonnais Black King; senior and grand champion, Hallmark Farm, Kansas City, on Design Nobly Standard. Junior champion female, Hallmark Farm on Observer Wonder Jolly; senior and grand champion, Hallmark Farm on Designer Noble Lucetta; reserve, Cecil Werneke, Caldwell, on Lucy Foremost Snowdrop; Kansas Parish Herd, Northeast Parish.

BROWN SWISS: Junior champion bull, Herman J. Dyck, Whitewater, on Royal Master of C. C.; senior and grand champion, G. D. Sluss, El Dorado, on El Dorado Granger Forest; reserve, Marshall Beal, Danville, on Nellie's Foxie John B. Junior champion female, Donald Rudicel, Kingman, on Dick's Molly Girl; senior and grand champion, Earl Webber, Arlington, on Hansel's Queen Mab. D. P.; reserve, Earl Webber.

(Continued on Page 12)



Henry Bock, of Wichita, exhibited this champion Hampshire ram at the Kansas State Fair, Hutchinson.

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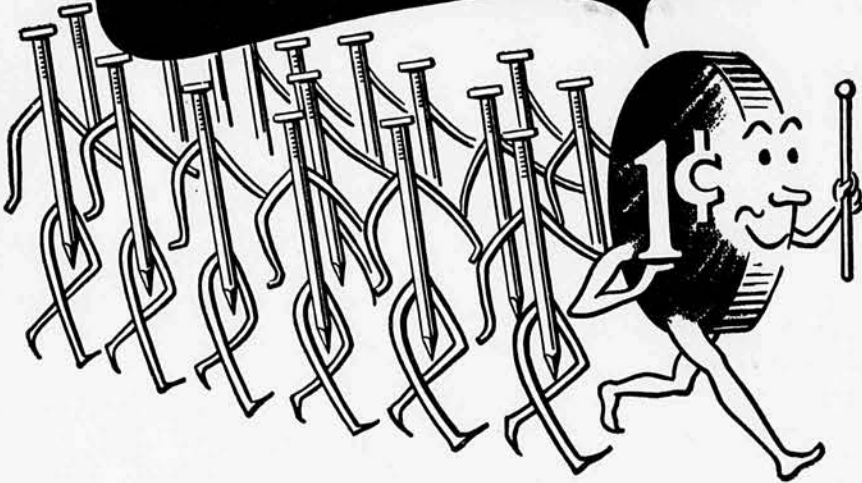


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The average price of steel as obtained by the mills is a little over 3c per pound — about \$60 per ton (based on weighted production of 9 major steel items, representing a substantial percentage of steel production in the United States). Including the last increases, steel has advanced only about 1/2c per pound over the last ten years.

Nails are one of the steel products which require many reducing and finishing operations, consequently are higher per pound than the composite price of steel. Even so, today's price of nails adds only about \$15 to the cost of building an average house as against the price of nails 10 years ago. **Steel IS Cheap.**

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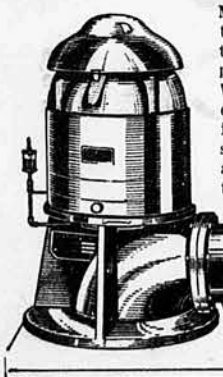
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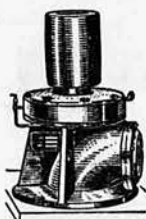
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Many New Records at Fair

(Continued from Page 10)



H. E. Heiser, Ramona, with his champion Shropshire ewe at the Kansas State Fair, Hutchinson.

ber on Alice Magnolia; Kansas Canton Herd, Eastern Kansas Brown Swiss Canton.

MILKING SHORTHORN: Junior champion bull, Weidner Prairie Farms, Dalton City, Ill., on Prairie Fannie Squire; senior and grand champion, Weidner on Prairie King; reserve, Weidner on Prairie Pride 3d. Junior champion female, Weidner on Prairie Snow Princess 3rd; senior and grand champion, Joe Hunter, Geneseo, on Retnuh Stylish Maid; reserve, Joe Hunter on Retnuh Likeness 42d; Kansas District Herd, South Central District.

HOLSTEINS: Junior champion bull, North Central District on Texas Burke Starlight; senior and grand champion, E. G. Regier, Whitewater, on HRW Homestead Pontiac Triune; reserve champion, South Central District on Heersche Homestead Performer. Junior champion female, David Palmer, Topeka, on DeKol Corrector; senior and grand champion, Kansas State Prison, Lansing, on Kaupspan Walker Sunbeam; reserve, Quentin Kubin, McPherson, on Quin-Dale Dean Thonyma Harmony; Kansas District Herd, Arkansas Valley.

Beef

HEREFORD: Champion bull, CK Ranch, Brookville, on C. K. Creator 13th; reserve, Wiley's Cove Ranch, Leslie Ark., on J. H. R. Royal Rupert 18th. Champion female, Walnut Hill Ranch, Great Bend, on Walnut Hill Bonny; reserve, Coombs and Worley, Pampa, Tex., on Cottonwood Queen; county group, Comanche county; Kansas special, C. K. Ranch on C. K. Creator.

SHORTHORN: Grand champion bull, W. V. Harshman & Sons, Clements, on Kildun Silver Mercury; reserve, W. V. Harshman on Supreme Admiral 5th. Grand champion female, W. V. Harshman on Controls Prin-

cess; reserve, Merle D. Oldenettel, Haven, on Blinda Beauty; county group, Sedgwick.

ANGUS: Grand champion bull, Sunflower Farms, Everest, on Sunflowers Prince 13; reserve, Sunflower Farms on Prince Sunflower S 4. Grand champion female, Camp and Sheets, Charlotte, Ia., on Elba of Awol 10th; reserve, Camp and Sheets on Elbina of Goose Creek.

Swine

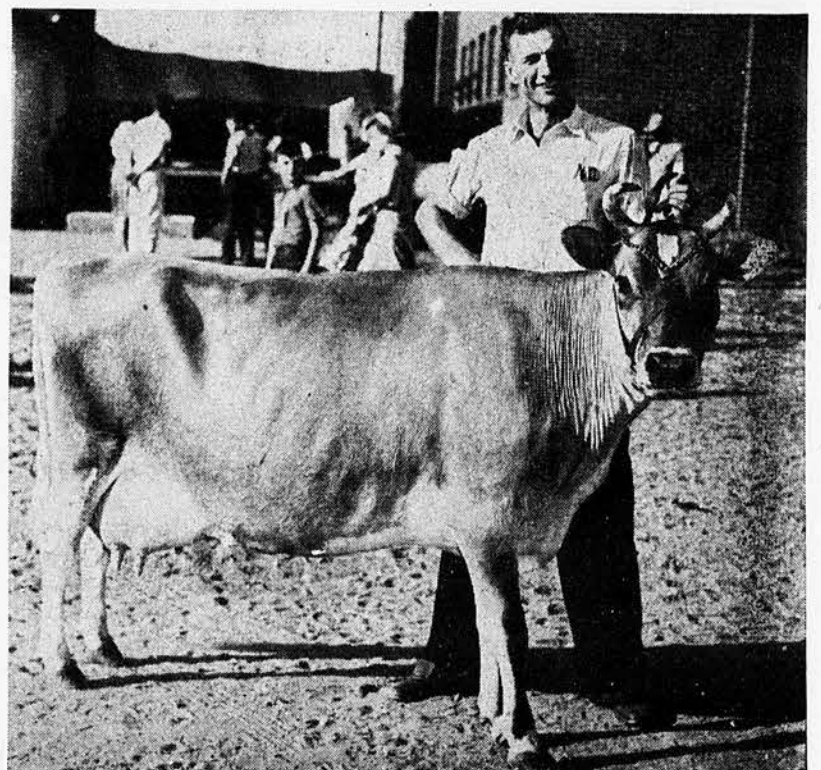
O. I. C.: Junior champion boar, Donald Frazey, Hutchinson, on Dream Girl's R. Buster; senior and grand champion, Joy Layman, Arlington, on Man Repora Valiant. Junior and grand champion sow, Vernon Zimmerman, Inman, on Zimmerbrook Cotton; senior champion, Joy Layman on Flo of Silver Lane.

POLAND CHINA: Junior and grand champion boar, C. R. Rowe & Son, Scranton, on Busters Best; senior champion, Rowe on Mixers Buster. Junior champion sow, Harry L. Turner, Harper, on Annet's Latest; senior and grand champion, Gordon McLin, Silver Lake, on Style Fashion.

HEREFORD: Junior champion boar, A. J. VanMeter & Sons, Sterling, on Bright Model; senior and grand champion, Charles Booz, Portis, on Riverside Chief. Junior champion sow, VanMeter on Enterprise Girl I; senior and grand champion, Oscar Sund & Son, Bostwick, Nebr., on Celeste Lady I.

BERKSHIRE: Junior champion boar, Keith Boller Newton, on unnamed entry; senior and grand champion boar, T. E. Frain, Minneapolis, on Big Creek Ovation. Junior champion sow, Frain on Baron's Lassie 2nd; senior and grand champion, Carl Kater, Newton, on Kater's Princess.

DUROC: Junior champion boar, Wreath (Continued on Page 14)



Reserve champion female and best uddered cow in the Jersey show at the Kansas State Fair, Hutchinson, was Lucy Foremost Snowdrop, shown by Cecil Werneke, of Caldwell.

More Crops Are Irrigated

IRRIGATION crops, other than wheat, are assuming an increasingly important role in 3 Western Kansas wheat counties, points out J. C. Mohler, secretary of the Kansas State Board of Agriculture.

Areas under irrigation in Scott, Grant and Stanton are making rapid growth in size and value of crop yields. Mohler emphasized this is an encouraging sign that Kansas farmers are mastering their environment. Improved farming techniques, he said, plus more balanced agriculture assures a steadier income than one-crop farming.

About 21,590 acres are under irrigation in this 3-county area at present. Truck crops grown include about 375 acres of cantaloupes, 385 acres of honeydew melons, 55 acres of cucumbers and 175 acres of onions. Nearly 1,300 acres of irrigated sugar beets are produced and 50 acres are used for soybean production. In grain sorghums an estimated 32,000 acres are raised with 15,000 of them irrigated. Irrigation also is used for 4,000 acres of milo and 250 acres of Atlas.

Other areas of irrigation farming are found in different parts of the state. Near Garden City a large sugar beet acreage is harvested each year with water for this project coming from deep wells and Lake McKinney. Irrigation along the upper Arkansas river valley in Kansas has been a common procedure for many years with both the river and wells supplying the needed water.

Thru irrigation, Mohler believes, Western Kansas farmers are able to take fullest advantage of the richness of soil in producing a wide variety of high-yielding crops.

Big Landowner

The Federal Government now holds one fourth of all the land in the United States, according to U. S. Department of Agriculture reports.

Land held by the Government includes 55 million acres of Indian lands held in trust, national parks and forests, and land taken over for military or rehabilitation.

Roll and Save Steps

I put my kitchen table on casters and find it rolls where I want it and saves many steps.—Mrs. K. E. B.

Get Full Feed Value

Buyers of commercial feed in Kansas are getting full value, believes Paul Ijams, director of the control division of the Kansas State Board of Agriculture.

This opinion was based on the report of the past year's work under the feeding-stuffs law. Under this law all feeds sold in the state are subject to inspection by the Board of Agriculture concerning the truthfulness of information shown on labels.

During the past year, July 1, 1946, to June 30, 1947, the board tested 1,385 samples of feed. A total of 737,177 tons of commercial feedstuffs were sold in the state during the same period.

Ijams cited protein as an example of how feed manufacturers are giving buyers full value, pointing out that in most cases actual per cent of protein in commercial feeds was higher than the percentage stated on the label.

The largest number of tests were made on meat and bone scraps containing 50 per cent protein. The average for the 129 tests made was 51.14 per cent protein.

Other types of protein feeds that were sold and tested in large amounts in the state included 41 per cent cottonseed meal with the 94 samples tested averaging 41.27 per cent; 41 per cent soybean oil meal had 63 samples that averaged 44.02 per cent protein; 16 per cent protein dairy feed averaged 17.21 per cent on the 27 samples tested; and alfalfa meal (dehydrated 17 per cent) had 25 tests made and they averaged 17.68 per cent protein.

Fall means better housing and feeding

Milk production drops when cows are out in cold rainy weather. Cows need good shelter in bad weather. Take full advantage of fall and winter pastures but, *before they begin to fail*, start heavier barn feeding to avoid a slump in production.

And in colder climates *adequate bedding is important*. It aids sanitation. It helps prevent mastitis. It preserves the liquid portion of manure, raising its fertilizer value.



Base your winter feeding

on: 1. THE QUALITY OF YOUR ROUGHAGE
2. EACH COW'S PRODUCTION RECORD

Don't overestimate the quality of your roughage. Study your cows' production records and give more grain to the best producers.

SEE HOW YOUR HAY FITS IN

ABOVE AVERAGE HAY. First class legume hay such as alfalfa, soybean or clover, bright green in color, not stemmy but holding a high proportion of its leaves; fed with or without silage. Ration—Grain plus low protein supplement.

AVERAGE HAY. Ordinary quality legume hay that's not considered above average, or high-quality mixed legume and grass hay; fed with or without silage. Ration—Grain plus medium protein supplement.

BELOW AVERAGE HAY. Poor mixed hay, or timothy or other grass hay; fed with or without silage. Ration—Grain plus high protein supplement, plus minerals.

As you probably know, cow population of the U.S. is down. But human population is growing rapidly. And nutrition authorities are urging people—men, women and children—to use more milk and dairy products for better health!

These basic facts spur us on in our efforts as co-workers of yours in the marketing of milk and other dairy products. They indi-

cate the wisdom of adequate production to hold the present markets and point the way to your future security through efficient milk production.

The County Agent and your dairy field service man are ready and anxious to help you plan for more uniform production of quality milk the year around.

Franklin Ice Cream Co.
Harding Cream Co.
Kraft Foods Company
Chapman Dairy Co.

DIVISIONS OF NATIONAL DAIRY PRODUCTS CORPORATION
An organization devoted to the greater use of Dairy Products

MAKE YOUR FUTURE MORE SECURE WITH

MORE MILK PER ACRE

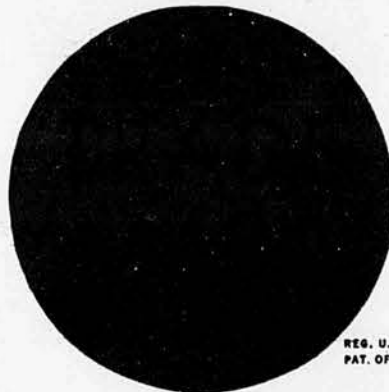


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Just as it does in equipment

Quality in any product pays when it means longer service, with satisfaction. That's why BALL-BAND Footwear has so many wearers... its outstanding quality assures footwear that costs less because it wears longer, with better fit, better appearance, and greater comfort all its long life. It will pay you to look for the store where you see the Red Ball trade-mark, famous BALL-BAND symbol of enduring quality.

Rubber - Fabric - Woolen Footwear
for all the family



2-Bkl. Sanslip—The stickiest mud can't pull it off. Extra tough rubber for full value long wear.

Look for the Red Ball trade-mark
in the store
and on the sole of the shoe

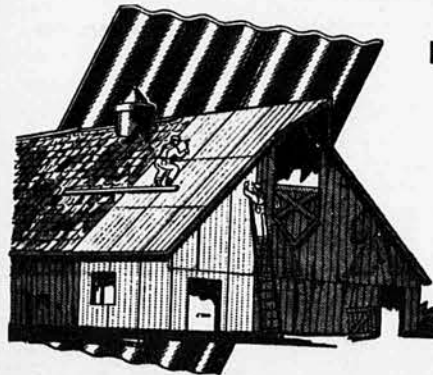


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Garages, Commercial and
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- Light—easy to handle and apply.
- Fireproof—will not rust.
- Requires no paint or maintenance
- Beautiful; long-lasting.

Many New Records at Fair

(Continued from Page 12)

Farm, Manhattan, on First Base; senior and grand champion, Harvey Deets, Gibbon, Nebr., on Royal Master. Junior champion sow, Rather's Purebred Stock Farm, Ponca City, Okla., on Miss American 2nd; senior and grand champion, Davis on Lady Security.

CHESTER WHITE: Junior and grand champion boar, William Farms, Ravenna, Nebr., on Jubilee Attraction; senior champion, Williams on Williams Jubilee. Junior champion sow, Eldon Mosler, Oswego, on Mosler's Pride; senior and grand champion, Eldon Mosler on Lady Hi-Spot.

SPOTTED POLAND CHINA: Junior champion boar, Wayne L. Davis, Mahaska, on Thunder Bolt; senior and grand champion, Davis on Silver Model. Junior champion sow, Davis on Kansas Belleann; senior and grand champion, Davis on Lady Security.

HAMPSHIRE: Junior champion boar, Theodore Binderup, Gibbon, Nebr., on Dynamic Special; senior and grand champion, Binderup on Don's Silver C. Junior champion sow, O'Bryan Ranch, Hiattville, on unnamed entry; senior and grand champion, O'Bryan on O'Bright Pay Girl.

MARKET BARROWS: Champion barrow, 150-210 lbs., Harvey Deets, Gibbon, Nebr., on a Duroc; champion barrow, 210-275 lbs., Ralph Schulte, Little River, on a Duroc; champion barrow, Harvey Deets.

Market barrow carcass: Ralph Schulte, Little River.

Sheep

SHROPSHIRE: Champion ram, Oscar Winchester, Waukomis, Okla., on H. Moehle; champion ewe, H. E. Heiser, Ramona, on Heiser 98 M.

SOUTHDOWN: Champion ram, Tonn Brothers, Haven, on I J W; champion ewe, Oscar Winchester & Sons, Waukomis, Okla., on Dixie Lass 3rd.

HAMPSHIRE: Champion ram, Henry Bock, Wichita, on 208; champion ewe, W. G. Nicholson, Great Bend, on 149.

FAT MARKET LAMBS: Grand champion, Tom Frederick, Alden; reserve champion, Virgil McClure, Newton.

LAMB CARCASS: Clarence Lacy, Meriden.

SHEEP SHEARING CONTEST: Adult, Henry Schmitz, Jr., Andale; junior, Maurice McClure, Walton.

WOOL EXHIBIT: Champion fleece, A. W. Miller, Osborne.

Horses

BELGIANS: Junior champion stallion, J. F. Begert, Topeka, on Marshall du Valon; senior and grand champion, S. H. Hays, Warrensburg, Mo., on Sugar Grove Major II. Junior champion mare, J. F. Begert on Myra; senior and grand champion, S. H. Hays on Star Farceur; premier exhibitor's banner, J. F. Begert.

PERCHERONS: Junior champion stallion, McElwain Brothers, Burrton, on Reno Degas; senior and grand champion, McElwain on Carvictor Degas. Junior champion mare, McElwain on Joyce; senior and grand, McElwain on Carmen; premier exhibitor's banner, McElwain Brothers.

Jacks and Mules

CHAMPION JACK: Hineman Jack Farm, Dighton, on Pete R.

CHAMPION MULE: E. M. Burke, Little River, on Jude.

Crops

WHEAT: Sweepstakes, Earl G. Clark, Sedgwick, on Red Chief.

CORN: Open pollinated, 100 ears yellow, Rolly Freeland, Effingham; 100 ears any white variety, Shirley Rice, Valley Center; 10 ears yellow, Rolly Freeland; 10 ears white, Shirley Rice. Hybrid: 100 ears yellow, William P. Habiger, Parsons; 100 ears white, Norris Rice, Meriden; 10 ears yellow, William Ingwersen & Son, LeRoy; 10 ears white, Norris Rice, Meriden; sweepstakes 10 ear classes, Rolly Freeland; sweepstakes, 100 ear classes, Rolly Freeland.

GRAND CHAMPION county collective agricultural exhibit, Reno.

COUNTY PROJECT exhibits, Shawnee.

Horticulture

APPLES: Best 5 trays, Fred Smith, Troy; best table, George T. Groh, Wathena.

Vegetables

IRISH POTATOES: Sweepstakes, A. E. Engle, Chapman.

Poultry

CHAMPION COCK: H. B. Patten, Wichita.

CHAMPION HEN: Earl Kelly, Stafford.

CHAMPION COCKEREL: Carl Scott, Newton.

CHAMPION PULLET: Eugene R. Barnard, Atchison.

4-H Club Results

Following are the results of the 4-H division:

Beef Heifers

SHORTHORNS: Champion, Merle Oldenette, Haven; reserve, Boyd Malls, Alden.

HEREFORD: Champion, John E. Taylor, Great Bend; reserve, Donald Riffel, Enterprise.

ANGUS: Champion, Kermit Lee Case, Lyons; reserve, Bill Erickson, Marquette.

Baby Beef

SHORTHORN: Champion, Jerry Boomhower, Bunker Hill; reserve, Allen Ray Reynolds, Cuba.

HEREFORDS: Champion, Marlys Wahn, Canton; reserve, Kathryn Lappin, Jetmore.

ANGUS: Champion and grand champion baby beef, Henry Gardner, Ashland; reserve champion baby beef, Marlys Wahn (Hereford entry).

Dairy

HOLSTEIN: Champion, Donald Hopkins, Clearwater; reserve, Millard Peterson, Waverly.



Faye Means, of Goddard, had the grand champion Guernsey female in the 4-H division at the Kansas State Fair, at Hutchinson. Her entry, Jerry's Butterfly, won 3 championships in Kansas shows this year.

AYRSHIRES: Champion and reserve, Rodman Williams, Hutchinson.

JERSEY: Champion, Beryl Smith, Highland; reserve, Phil Boster, Larned.

GUERNSEY: Champion, Faye Means, Goddard; reserve, Charlene Meinert, Wichita.

BROWN SWISS: Champion, Lester Senger, Bison; reserve, Charlotte Townsend, Humboldt.

MILKING SHORTHORN: Champion, Dale Lucas, Macksville; reserve, Robert Stoltenberg, Holyrood.

Swine—(Market Hogs)

SPOTTED POLANDS (blue ribbon winners): Keith Hurst, Sylvia; Glen Hurst, Sylvia; Billy Thompson, Valley Center; Clara Faye Horchem, Beeler.

CHESTER WHITES: Marvin I. Hornbaker, Fowler.

DUROC-JERSEYS: Myron Heinly, Lyons; Max Heinly, Lyons; Eugene Rizek, Munden; Carman Briggs, Delphos (2); Murray Webb, Syracuse; Elmer Bergner, Jr., Pratt (2); Norvin Stunkel, Belle Plaine; Thomas Dean Taylor, St. John; Dick Hodgson, Manhattan; Betty Ruth Ropp, Toronto; Bennie Crawford, Vesper.

PURPLE RIBBON WINNERS (Duroc-Jersey): Champion purple, Dick Hodgson, Manhattan; reserve, Eugene Rizek, Munden; Elmer Bergner, Jr., Pratt.

HAMPSHIRE: Roy Dale Unruh, Inman; Robert King, Virgil; Betty Ruth Ropp, Toronto; Lois Middleton, Bourbon.

PURPLE RIBBON WINNER (Hampshire): Robert King, Virgil.

OTHER BREEDS (blue ribbons): Karl Fechner, Alta Vista; Bill Griffith, Fredonia.

Purebred Glits

SPOTTED POLANDS: Jean Sherwood, Concordia; Cameron Van Gieson, Cleveland (2).

DUROC-JERSEYS: Jeanne Lancaster, Hutchinson; Herman Popp, Haven; Max Heinly, Lyons; Bennie Crawford, Vesper.

POLAND CHINAS: Edward Wilmeth, Grenola.

HAMPSHIRE: Robert King, Virgil; Johnny Balthrop, Wichita.

Sheep

FAT LAMBS (less than 90 lbs.): Tommy Frederick, Alden; Mary Margaret Noble, Rosalia; Stanley Wingate, Pretty Prairie.

FAT LAMBS (90 lbs. or more): Sanford Hughes, Wellington; Amos Blecha, Munden; Marilyn Lyon, Hutchinson; Tommy Frederick, Alden; Ruby Ashcraft, Kingman.

Purebred Ewes

SHROPSHIRE: Glenn Beardmore, Haven; Ernie Schmidt, Freeport; Duane Sanders, Furley (2).

HAMPSHIRE: Eugene Brinkman, Coffeyville; Harold Johnson, Haven; Ronald Wedel, Moundridge (2); Roger Cutting, Sedgwick.

Dairy Judging

WINNING TEAM: Sedgwick; 2nd, Rice; 3rd, Republic.

HIGH INDIVIDUALS: John Clark Wilk, Sedgwick, 1st; Wilbur Kurr, Harvey, 2nd; Carl Jean Blackhull, Rice, 3rd.

Crops Judging

WINNING TEAM: Labette; 2nd, Finney; 3rd, Harvey.

HIGH INDIVIDUALS: Harold Hellwig, Labette, 1st; Kenneth McBurney, Graham, 2nd; Bob Robbins, Labette, 3rd.

Livestock Judging

WINNING TEAM: Montgomery; 2nd, Republic; 3rd, Butler.

HIGH INDIVIDUALS: Jim Aiken, Montgomery, 1st; Donald Collett, Montgomery, 2nd; Roland Froelschner, Pawnee, 3rd.

Demonstration Teams

WINNING TEAM: Marjorie and Marvalee Tibbs, Shawnee county.

F. F. A. Farm Machinery

First, Clay Center; 2nd, Winfield; 3rd, Coldwater.

F. F. A. Collective Booths

Grand champion, Buhler (Reno county).

Many of the winners at the 2 big Kansas fairs are showing this week at the 4-H Fat Stock Show at Wichita.

British Judge At Chicago

RICHARD S. de Quincey, of Bodenhams, Hereford, England, has accepted the invitation of International Live Stock Exposition officials to judge all of the individual steer classes at the 48th annual exposition. It will be held November 29 to December 6 in the International Amphitheatre at the Chicago Stock Yards.

Mr. de Quincey is a prominent British breeder of purebred Shorthorn and Hereford cattle. His Hereford herd is one of the oldest established herds of that breed in England.

He is Britain's leading exporter of Hereford cattle and he has judged cattle at the famous Palermo show in Buenos Aires, Argentina's largest livestock show. He also feeds steers for market in addition to his purebred operations. He exhibited a top prize winner earlier this year at the Perth show in Scotland, the largest event of its kind in Great Britain.

His first assignment will be to judge the junior feeding contest steers on Saturday, November 29. The management anticipates an entry of 1,000 steers in this event which features beeves, lambs, and hogs that are exhibited by farm boys and girls enrolled in 4-H or Vocational Agricultural work.

He will judge the open-steer classes—the adult competition—on Monday and Tuesday, and select the grand champion steer of the show, the top winner of the International, on Tuesday afternoon, December 2.

Since the first International Live Stock Exposition in 1900, British judges have passed on the fat-cattle classes at this show 33 times, and well-known authorities from South America and Canada have officiated at Internationals from 1912 to 1941. Walter Bigger, a prominent cattle breeder and judge of Scotland, has judged at Chicago more than any other one man. He made these selections at 13 shows from 1920 to 1946.

Cash prizes totaling \$100,000 are offered at the 1947 International, the management reports. The entry closing date for most divisions of the show has been set for November 1.

Oats-Clover Make Good

After harvesting 70 bushels of Osage oats an acre from a 28-acre field, Gus Koehn, McPherson county, had a good stand of Madrid sweet clover coming up thru the stubble. The oats was seeded in atlas ground in 16-inch drill rows.

On about a third of the field Mr. Koehn had applied 50 pounds of 32 per cent ammonium nitrate. Considerable manure also had been spread on the field. Where manure had been applied there was a distinct difference. He believed this part of the crop if harvested alone would have made 90 bushels.

After the oats was in the ground, Mr. Koehn seeded 12 pounds of Madrid clover diagonally. He put the clover in with a drill, floating the disks without springs, and dragged a cultipacker behind. Some clover was seeded after a rain. It did not seem to be as good as that seeded before.

A Handy Cleaner

A blackboard eraser is more satisfactory than a cloth for cleaning the top of a cookstove.—Mrs. L.

Practical Bulletins

- L-72—Measuring Hay in Stacks.
- L-220—Storage of Vegetable Seeds.
- FB-1727—Selecting Hens for Egg Production.
- FB-1730—Rabbit Production.
- FB-1754—Care and Repair of Mowers and Binders.
- FB-1807—Lamb and Mutton on the Farm.
- FB-1872—House Plants.
- FB-1888—Poultry Cooking.
- FB-1978—Safe Water for the Farm.

If you need information on any of these subjects, the U. S. D. A. bulletins will help you; you will find them reliable and up-to-date. These may be ordered free from Bulletin Service, Kansas Farmer, Topeka, as long as the supply lasts.



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with Winter Grade Mobiloil
and Mobilube Gear Oil!*



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SAVE TWO WAYS. Get worthwhile discounts, avoid possible higher prices later by estimating your 1948 farm lubrication needs and ordering now for delivery next year. No down payment required!

Orders placed today protect you against price increases until June 30, 1948. Should prices fall, you pay prevailing price at time of delivery. You can't lose!



Don't delay. This offer expires soon. See your Mobilgas-Mobiloil Man today!



AFTER HOT, DUSTY summer operation, now is the time to prepare tractors, trucks and other working equipment for winter conditions. Drain dirty, summer-worn oil from crankcase and gear boxes. Refill with fresh Mobiloil and Mobilube Gear Oil in correct winter grades.

This "fresh start" means smoother, more efficient cold-weather performance . . . greater fuel and oil economy . . . greater protection against wear and costly breakdowns. You're assured, too, of an engine that's "Mobiloil Clean"—protected against dangerous deposit formation.

Prevent Rust of Idle Machinery —Protect with Mobilcote 270

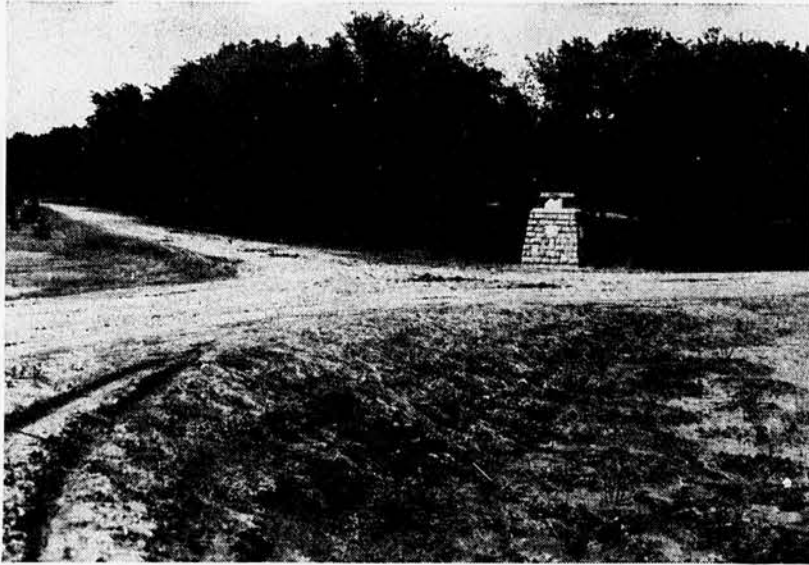
Idle farm equipment also needs winter protection. Protect exposed metal surfaces of ploughs, cultivators and other machinery with Mobilcote 270. Easily applied by brush or swab, it effectively combats rust and corrosion. Easily removed with Kerosene. Ask your Mobilgas-Mobiloil man for a demonstration.

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Grass Helps the Roads

By CHARLOTTE NORLIN



50N, Barton county, east of Great Bend. Fort Zarah park, mounted cannon at entrance. Portion of drive can be seen in background. The inviting wooded area in the background was part of the "Old Fort Zarah" grounds. Grace Gunn donated 8 acres adjacent to the highway and along Walnut river to the highway commission for a roadside park. A drive constructed by the highway department makes this area accessible to the public. Park ovens and shaded picnic grounds make this roadside park attractive to the public.

THOSE lush plantings of alfalfa, sweet clover and native grasses that were seen along the highways of Kansas early this summer didn't just happen to be there. Many of the newly-graded highways thruout the state have been seeded to these crops, Franklin T. Rose, landscape architect of the State Highway Commission, said.

As you drive along state highway No. 4 in Lane county in Western Kansas, you notice regular drilled rows along the highway shoulders. These rows are seedings of domestic rye grass, alfalfa, blue grama grass and a small amount of brome grass. "We were unable to get western wheat grass seed for our work this spring so we substituted brome grass on this project, altho we know we are outside of the area for brome grass."

"On several locations along highway 96 between Rush Center and Great Bend, we have some good stands of alfalfa and brome grass. Brome grass is used in many of mixtures for projects east and north of Great Bend."

Various combinations of seed are used, depending on the part of the state and the soil thru which the highway passes. A typical seeding mixture for Central and Western Kansas would include the following: 10 pounds an acre of domestic rye grass seed, the same amount of western wheat grass seed, and 5 pounds each of blue grama seed and alfalfa seed.

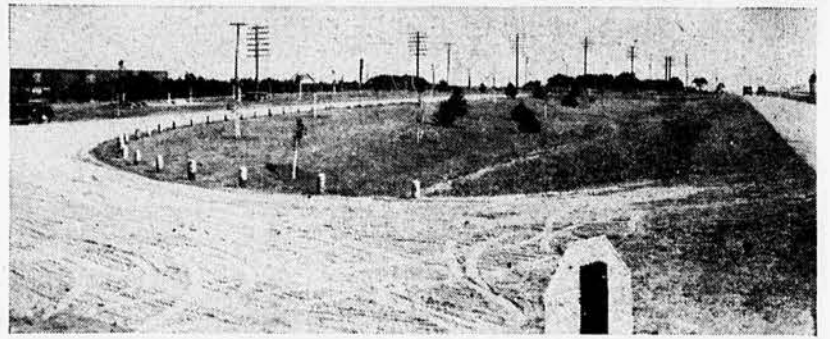
Where the highway passes thru rolling terrain with many exposed slope areas, either sand dropseed at the rate of 5 pounds to the acre is used or yellow sweet clover at 10 pounds an acre, or a combination of the 2 is seeded.

What Will Be Accomplished

What the highway commission hopes to accomplish with this program is a natural enough question. The layman who drives over the state highways notices a lot of color, including the green of the grasses, the white and yellow flowers of sweet clover, the purple of alfalfa and the varied colors of the wild flowers. The architect says the commission's reason has to do with the more prosaic item of expense, since it is expensive to clean ditches that have silted full of soil or to "blade" reshoulder shoulders and shoulder slopes that are badly rutted. It has been found that a quick cover crop on newly-graded shoulders and shoulder slopes stabilizes the soil and greatly reduces the amount of soil erosion.

The department has found that domestic rye grass seed germinates quickly and makes a quick temporary cover that is valuable for this purpose. Western wheat grass is much slower and very often only a few plants appear the first year. Some of the plants will germinate the second year, and the plants which are established send out underground root stocks which form new plants. In about 3 years western grass will produce a thick, heavy sod that will withstand drouth, wind and water erosion.

The alfalfa is planted to supply part



Sedgwick county, K-15 southeast of Wichita, turn-out drive about 2 miles south of the city limits. Small trees and seeding and sodding work can be seen in the inner circle, while picnic tables and the picnic fireplace can be seen left of the turn-out drive. Trees were planted in April.

of the necessary nitrogen for the successful growth of grasses. Blue grama grass, which is one of the dwarf, drouth-resistant grasses of Western Kansas, grows fairly well on backslope areas, filling in spots where western wheat grass does not always take hold.

Sand dropseed will grow on some of the exposed drier backslope areas, giving considerable protection, and also will grow in combinations with other grasses on more favorable slopes.

Perhaps, in your driving you have noticed considerable areas of white sweet clover. This was not planted, but is a volunteer crop coming in from the fields and spreading along the highway. The highway commission

has planted only yellow sweet clover.

Fertilizer has been found essential in getting a successful stand of grass plants, because much of the seeding work is done on backslope areas that have been stripped of topsoil, and on shoulders and shoulder slopes in which the greater part of the fill consists of subsoil. "Most Kansas soils are reported to contain plenty of potassium, but are often a little deficient in available phosphorus. Seeding plants respond to additional phosphorus and they need plenty of available nitrogen for successful growth." For this reason a fertilizer consisting of 10 per cent nitrogen and 20 per cent phosphorus is used, which is generally applied at the rate of 100 pounds an acre. If the soil is particularly difficult the amount of fertilizer is increased.

The fine hay crop grown on Western Kansas highways, where sufficient feed is often a problem, prompts the question, "Can the right-of-way be mowed for the hay crop?" The answer is yes. Mr. Rose states, "The highway commission encourages the adjacent property-owner to do this. The farmer generally is glad to mow stretches of highway that are planted to alfalfa, and some farmers prize the stands of brome grass along many highways."

The pressure of farm work, since farmers are often short-handed at the proper season to mow the right-of-way, is responsible for much abandonment, since these areas become weedy and not so desirable for hay production. When the highway commission men mow these areas, the forage is, of course, left on the ground. Altho it would be better to rake the alfalfa crop, it is not practical.

Planting Cereal Crops Discouraged

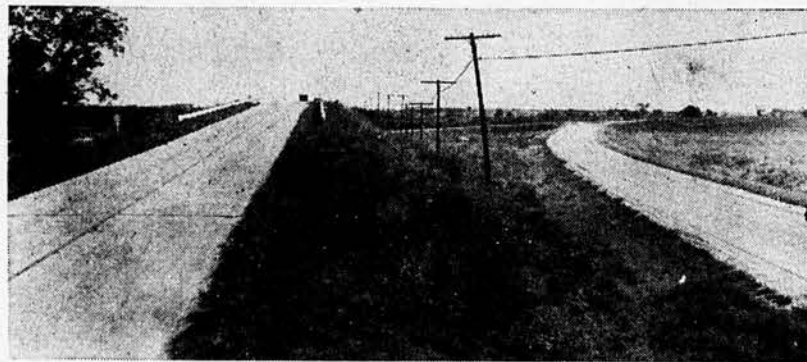
Permission to seed down highway right-of-way to sod-forming grasses or to legumes will be given to farmers, Rose says. Planting cereal or row crops is discouraged because continual cultivation causes the ditches to silt full of soil, which increases maintenance costs along the highways.

Where farmers have run their cultivated rows of corn or sorghums into the highway ditch section, the maintenance engineer has sent out a memorandum to maintenance personnel asking them to contact farmers, instructing them to discontinue farming the highway right-of-way. In addition to the expense of cleaning out the ditches and small culverts that silt full of soil, in some areas there is additional damage to the pavement or oil mat by the moisture subbing under the mat and forming an unstable roadbed.

A small amount of landscape planting on selected projects thruout the state is being done in addition to seeding and soil-erosion work. Several small roadside parks or "turn-outs" are being built to serve local citizens and the traveling public. These turn-outs are provided with turn-out drive, picnic tables, picnic fireplace and a few trees and shrubs.

Several projects are under contract, Rose says, where shade trees and ornamental trees will be planted this winter and next spring. The commission is spending a very limited amount of money on tree-planting and only on selected sites. In addition a very limited number of trees are planted at selected locations by maintenance personnel. Some have been planted around Garden City and at several other locations in the western part of the state.

There is need for additional turn-out areas along our more traveled highways. If small areas, about 1/2 to 1 acre, containing 2 or 3 or more good shade trees, were offered to the State Highway Commission for roadside turn-out areas, it is probable that more roadside parks would be built to serve the traveling public, Rose said.



In Bourbon county, the Ft. Scott overpass. Korean lespedeza and Triple-awn along gravel road. Korean lespedeza is used on most of the seeding projects in Eastern Kansas. It is particularly valuable on shaley and clayey backslopes where grass plants are slow to take hold. Where the rainfall is adequate, Korean lespedeza is a good cover crop. Kentucky bluegrass, redtop and other grasses eventually will replace the lespedeza.

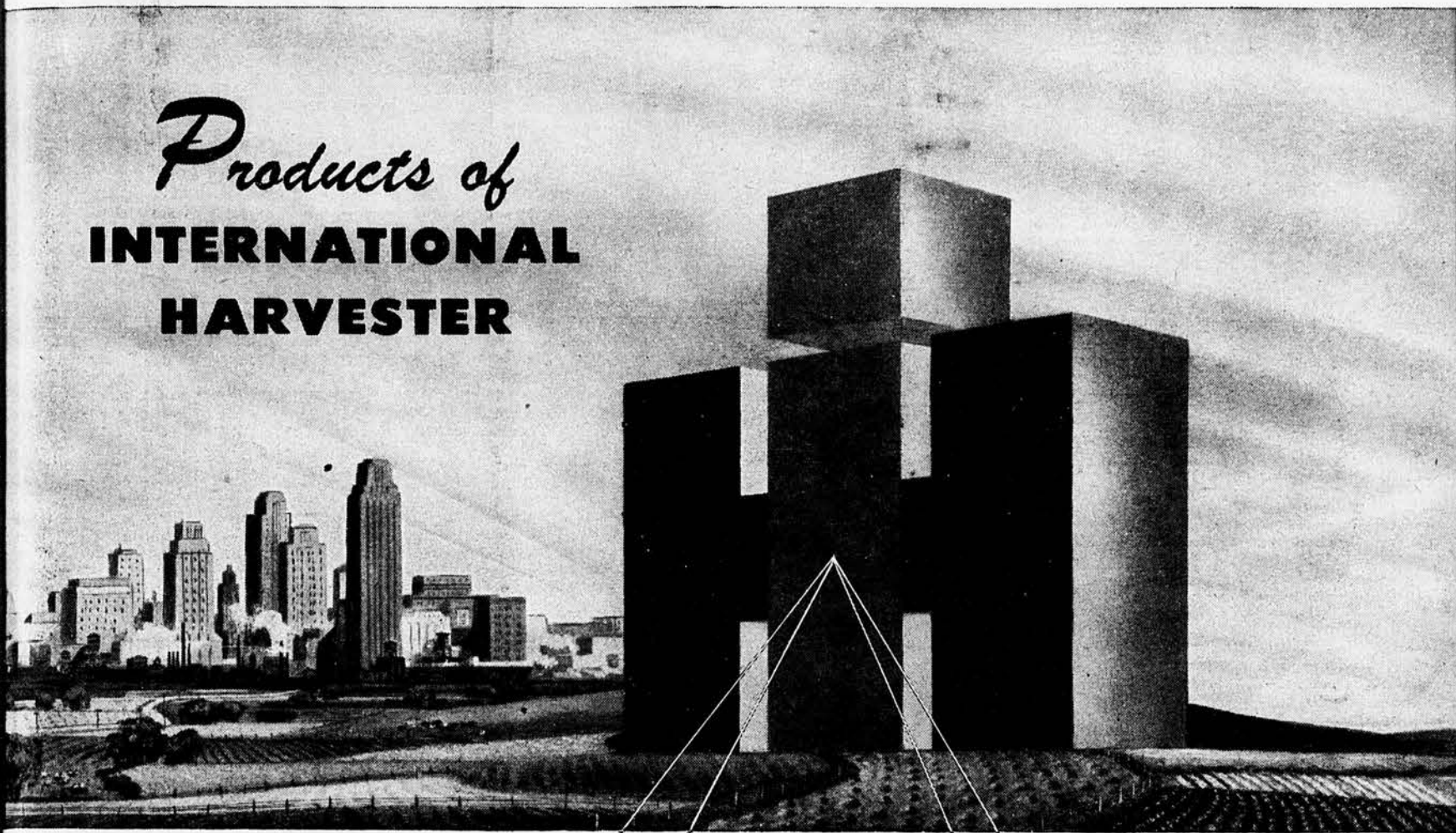


Sedgwick county, US-81 north of Wichita. A portion of roadside park 1 mile north of the city limits showing picnic tables and well house. Altho the original landscape plans, including trees, turn-out drive, Kentucky bluegrass sod, were established about 10 years ago, the tables and well were not built until the spring of 1947. This area is used quite a lot by motorists and local picnic groups.

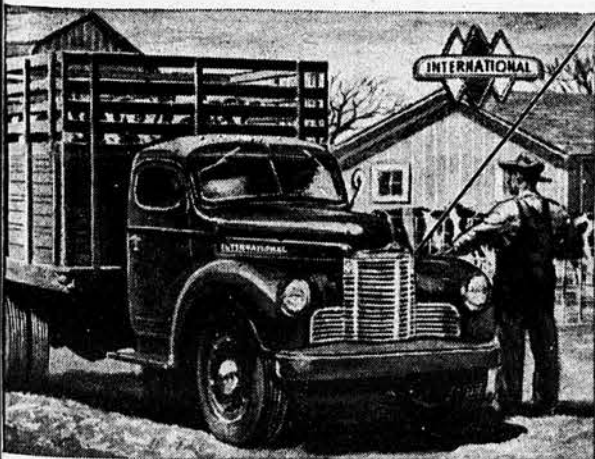


Shawnee county, US-75, Wakarusa roadside park 12 miles south of Topeka. This small area is provided with parking area, picnic fireplace, 3 picnic tables. It usually is well-maintained and used by many picnickers. In right background and in left foreground, 2 tables are in partial view. Fireplace is in center background. Highway 75 is just right of trees and power line.

Products of INTERNATIONAL HARVESTER



What the International Harvester symbol means:



TRUCKS—The complete line of International Trucks offers the farm operator a wide choice of models and sizes to fit his exact needs. For more than 40 years farmers have relied on Internationals.

Products to save labor, increase production and provide better living.

A business begun 116 years ago with an important service to mankind—the invention of the reaper by Cyrus Hall McCormick.

A company dedicated, since its beginning, to the progress of agriculture, to a better way of life for the men, women and children who live and work on the six million farms of this nation.

Twenty-one plants to manufacture International Harvester farm tractors, farm machines, motor trucks, crawler tractors, industrial tractors, gasoline engines, diesel engines, and home and farm refrigeration.

Two hundred and twelve branches and company-owned outlets, and more than 9,000 dealers, to distribute International Harvester products and to supply after-sale service.

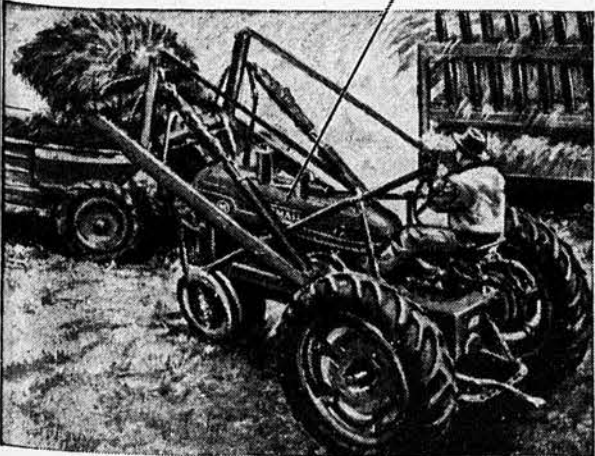
Excellence of product now, with greater excellence always in preparation for the future.

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180 N. Michigan Ave. Chicago 1, Illinois

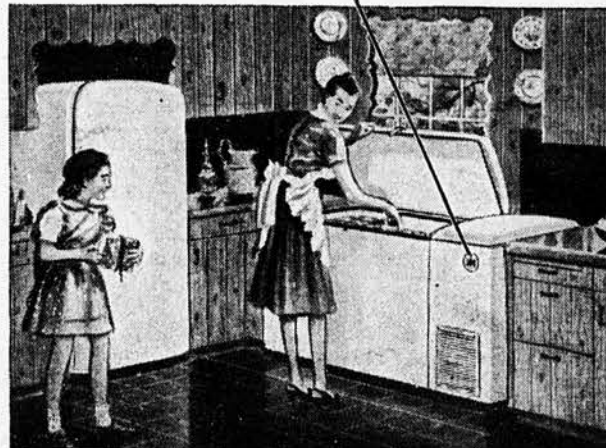
Tune in James Melton on "Harvest of Stars" every Sunday! NBC Network.



CRAWLER TRACTORS—Many large-scale farm operators prefer International Crawler Tractors for specialized farming. They know they can depend on them for reliable low-cost power.

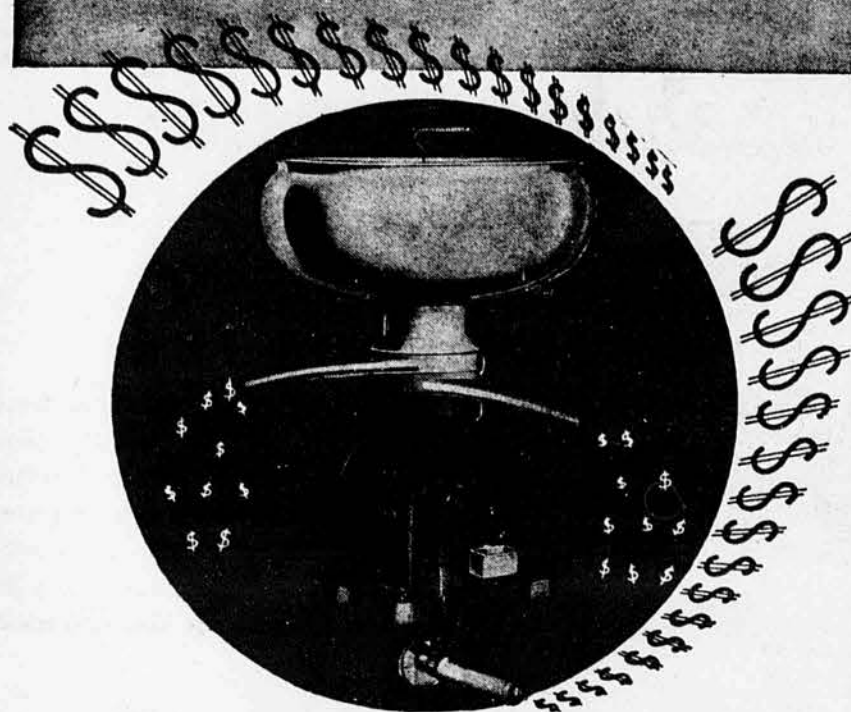


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REFRIGERATION—Beautifully designed, efficient... new International Harvester Refrigeration brings new leisure and convenience particularly to the rural homemakers of America.

THERE'S MORE MONEY FOR YOU IN SEPARATING...



THE DE LAVAL WAY!

American Butter Institute research figures show average losses of 29 lbs. of butterfat per cow per year having a value of \$21.75 with water dilutor methods; 35 lbs. having a value of \$26.24 with hand skimming; and only 0.96 lbs. having a value of \$0.73 with a good centrifugal separator.

Multiply these figures by the number of cows you milk—and see how a new, clean-skimming, easy-to-clean De Laval Separator would be a wise and profitable investment for you. A size and style for every need and purse. Easy payments.

AVOID THESE 3 MONEY-WASTING METHODS OF SEPARATING



Hand skimming—the most expensive, wasteful and troublesome method of separating. Loses up to 22% of the butterfat, yields poor quality cream, sends your profits to the hog pen.



Old, worn or inefficiently designed separators—frequently lose up to \$200.00 or more a year for their owners. You may think your separator is doing a good job, but check up on it!



Water separators—are slow, costly and wasteful. Produce poor quality cream and render skimmilk unfit for feeding because of dilution with water. Don't be fooled by this costly method.

**A NEW DE LAVAL SEPARATOR WILL USUALLY
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THE DE LAVAL SEPARATOR COMPANY

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New Apple Enemy No. 1

By JAMES SENTER BRAZELTON

HARVESTING of the Jonathan apple crop got under way in Northeast Kansas about September 15, some 10 days or 2 weeks later than usual. Cause of delay in picking was due to the long stretch of hot, dry weather in July and August. Apples did not attain the desired size nor did they color properly. While growers waited for the quality of their fruit to improve on the trees, came high winds following the drouth and put one third of the crop on the ground in many orchards.

What appeared to be a bumper apple crop for this section has now dwindled from one cause or another until some growers say they will be lucky if they break even. Bringing a crop of apples to maturity these days has become an expensive undertaking with the high cost of necessary spraying and the exorbitant wages demanded by labor.

One of the first setbacks in producing this year's crop was prevalence of apple scab in so many orchards this spring. Scab is an apple disease affecting the quality of fruit very early, and this spring the disease seemed worse than usual due to the long spell of rainy, wet weather, especially favorable to its development.

Up Against New Problem

Since the use of DDT to control codling moth has become so general, growers are up against a new problem that has given them a good bit of trouble this summer. It seems that DDT has no effect upon the European red mite, but does kill certain of its parasitic enemies which ordinarily hold it in check. Upsetting the biological balance of nature, the use of DDT in destroying these parasites allows red mites to develop unmolested. The result has been an invasion of these pests in the orchards to such an extent that they are now dubbed "apple enemy No. 1."

Combating this new enemy has meant additional sprays which, of course, has added to the overhead in producing this year's crop. With the mercury hovering around the 100-degree mark almost every day from the middle of July thru August and almost to the middle of September, the red mites have flourished and have done unusual damage because they thrive in hot, dry weather.

Luckily, a new chemical is available with which red mites may be controlled. The name of the new insecticide is another jawbreaker to be added to the orchard man's vocabulary. It is called hexaethyltetraphosphate. This material will effectively control red mites, which if not controlled are capable of causing inestimable damage.

Ordinarily growers could have salvaged many of the apples the wind layed on the ground by picking them up and hauling them to the cider mill. But not so this year. Due to rigid Government inspection the cider mills

have become very exacting in their requirements. Quality of the apple must be almost the equal of bulk grade. For the 50 cents a 100 paid for ciders, growers cannot afford to pick them up and sort them to pick out the rots. Those who have tried it and kept account of their costs have come out in the red.

To top everything else, the market for apples could not be much worse. As long as we had sugar rationing the apple men said, just wait until the housewives can get all the sugar they want. Then there will be a good demand for apples. But it has not worked out that way. It must be that going without so long has caused folks to lose their hankering for good old apple pie.

On September 16, headed by C. W. Ryan, of Wathena, Northeastern Kansas apple growers appealed to Governor Frank Carlson for aid in marketing the thousands of bushels in danger of going to waste because of low prices and labor shortages. Accompanying Mr. Ryan to Topeka were James Etherton, a Troy grower, P. F. Dubach and F. E. Lehman, representing the Wathena Apple Growers' Association. The idea of the meeting was to give some publicity to the apple situation here, and with that end in view several newspapermen attended the conference with the governor.

The local apple men were of the opinion that if Western Kansas truckers could be induced by press and radio to buy bulk apples in Doniphan county and take them to their home towns for resale, the situation would be greatly improved. The apple industry here is sponsoring a minute-a-day-for-a-month commercial over WIBW and is running ads in several daily papers.

Same Thing Over U. S.

Something similar to what happened to the apple crop in Doniphan county must have happened all over the country, for the U. S. D. A. reports a half-million-bushel drop in the estimated apple yield for this year. The 1947 commercial apple crop is now estimated at 113,079,000 bushels—about 500,000 bushels less than the August 1 forecast. The 1946 crop was 119,410,000 bushels and the 1936-45 average was 112,896,000.

Sponsored by the International Apple Association, National Apple Week this year will come between October 25 and November 1. In addition to enlisting the support of handlers of fresh apples a comprehensive program proposes to include processors of apple juices, sauce and all factors in the apple business. The plan contemplates the co-operation of many nationally-known firms and Boy and Girl Scout organizations will participate. Display material to be provided for retail stores will stress the dietary value of apples. Hotels will make use of apples for table decoration and railroads will feature them on their dining car menus.

Better Cows Are Needed

TWO research projects on dairy herd improvement, to be conducted under the Research and Marketing Act of 1946, are announced by the U. S. Department of Agriculture. One will be aimed at developing strains of dairy cattle especially adapted to climatic conditions in the Southern states; the other at getting higher production to the cow for the small dairyman throughout the United States.

To develop better dairy strains for the South, plans are to cross heat-resistant Red Sindhi bulls with Jersey or other domestic dairy breeds and to study the effect of further crossbreeding, outbreeding, or inbreeding on the development of desirable qualities in the progeny. Average milk production of cows in the Southern states in 1946 was less than 3,200 pounds to the cow, compared with 4,891 pounds for the whole country.

Specific work toward getting higher production from cows on the average dairy farm will center around systems of breeding that concentrate the genetic factors for high milk production; ways of getting quicker and better proof of sires capable of transmitting high production to their daughters; and

methods for more accurately predicting the value of young dairy bulls. This project will be developed in co-operation with several state experiment stations in the Midwest.

Enough Is Enough

Entomologists are finding many new things about DDT in postwar investigations, says the U. S. Department of Agriculture.

DDT stimulates some plants—potatoes, for example—in addition to keeping destructive pests in check; others, such as cantaloups and the cucurbits generally, it injures.

DDT appears to aid some insects directly, and some indirectly by checking their parasites, or the parasites of their parasites, or even the parasites of their parasites' parasites, thus upsetting nature's balance of check and control.

DDT appears to take a long time to disintegrate in soil, and its end effects on fish, birds, livestock and man, must all be considered. One basic rule is emphasized by the Federal entomologists: Never use more DDT than will accomplish the purpose.

FOUND

- sensational new washday miracle!

IT'S *TIDE*... Procter & Gamble's amazing discovery!



Out of the vast new knowledge gained in wartime research has come this new washday wonder. Tide does *what's never been done before*—washes clothes cleaner than any soap, yet leaves colors brighter! Tide is completely NEW and different . . . even the suds *look and feel* different! They billow up instantly even in *hardest* water! Only Tide can make all these promises:

1. Washes clothes cleaner!

Yes, cleaner than any soap! No matter what soap you may be using now, Tide gets everything *cleaner*—even greasy overalls! Tide not only leaves clothes free from ordinary dirt, but *actually* removes dingy soap film as well!



2. Actually brightens colors!

Tide leaves *no film* to dull colors. What's more, Tide removes soap film left by former washings—that's why color brightness perks up like magic after a Tide wash! Tide is really *safe* for dainty washable colors.

3. Never "yellows" white clothes!

Tide keeps shirts, sheets, pillowcases gleaming white, week after week. Tide *can't* turn them yellow, no matter how often they're washed or how long they're stored!



4. Gives more suds—

Prove it in your dishpan!

Kind-to-hands suds! Faster suds! Longer-lasting suds than any soap in *hardest* water! Tide cuts grease like magic . . . washes dishes cleaner than any soap! No scum in the water! No cloudy film on dishes and glasses! That's why they rinse and dry so *sparkling clear*—even without wiping!



EXTRA miracles in hard water!

Yes, if you have hard water, Tide is a dream come true! Tide's performance in hard water is so amazing, you have to *see it to believe it!* Oceans of rich, long-lasting suds billow up instantly—even in *hardest* water. No water softener needed—Tide does it all!

A Hymosol Product



**TIDE'S IN-
DIRT'S OUT!**

TIDE IS A WONDER FOR CLEANING MILKING UTENSILS, TOO! QUICK! EASY! NO SCUM OR MILKSTONE!

Please DON'T MAKE CHAIN CALLS on Party Lines



Did you have trouble reading that headline? There's a reason. There are no spaces between the words "Don't Make Chain Calls."

"Chain" calls cause trouble on party lines. Other folks on the line can't make calls, and no one can call in while the

"chain caller" goes down his list.

If you have a party line and have a number of calls to make, the friendly, neighborly thing to do is allow ... a ... little ... time between calls. That gives others on the line a chance to call or be called.

SOUTHWESTERN BELL



TELEPHONE COMPANY

Two Calves Started It

Carmen Brothers Have Outstanding Herd



The fine dairy herd of the Carman brothers, Melvin and Fred, Cheyenne county, enjoy this good Sudan pasture during summer months.

THREE Wisconsin dairy calves purchased in 1924 by E. S. Carman and sons, Fred and Melvin, Cheyenne county, have resulted in a 40-cow Holstein herd in this Northwest Kansas county.

Mr. Carman purchased the calves primarily as 4-H Club projects for the 2 boys. They liked dairying so the calves were used as foundation stock for a herd. The father dropped out of the business in 1932 and the 2 boys now are carrying on the herd.

The Carman Brothers herd has been classified twice and has an average of "good." Another classification will be made this fall, when the brothers hope this average will be raised due to their breeding program.

Their main herd sire is Pabst Burke Walker Jule, a son of the gold medal Wisconsin Admiral Burke Lad. A new bull, Leongard Perfection Burke Clover, recently has been added. He is sired by the "excellent" bull, Weber Burke Clover Lad. His dam was sired by Weaver Burke Perfection. The only regret the Carman Brothers have in maintaining their herd is the lack of

a testing association. They have hopes now that one will be available soon.

Pasture always is a problem in their section of the state, but they have worked out a good system. They have 320 acres of bottom land in good native pasture, use wheat pasture during the winter, and keep 2 fields of Sudan grass on summer fallow and pasture alternately.

A new 180-ton trench silo is just being completed. An old trench silo will be widened and improved next year. The new trench will have concrete floor and walls. Everything possible is being done on the farm to increase feed reserves. A field cutter will be used to harvest the silage crop and unloading at the trench will be done with a hydraulic dump truck. This method of putting up silage saves a lot of labor, the 2 men believe.

Dairy cows and hogs provide the main income on the farm, with skim milk going to the hogs. During normal times beef cattle are run on upland pasture but the 2 men have dropped out of the beef cattle business temporarily.

Smokey

By MRS. TOM HOWELL

TIME was when a good shepherd or collie dog was indispensable on the farm. That time seems to have gone with the horse and buggy. Many Kansas farms do not have a dog. If there is a growing boy, often you will find a dog; but he is just a dog and not trained to any useful task.

However, Amby Wood, Lyon county, finds his shepherd dog, Smokey, so useful that recently when the dog was ailing Mr. Wood hastened to get a puppy so that Smokey could help train him. Smokey, when he came into Mr. Wood's possession, had the whole bag of tricks. He sat up and begged, walked on his hind legs, shook hands, jumped thru a hoop.

His present owner has trained him to bring the cattle in from the distant pasture, get them quickly out of a field if they are trespassing. He puts marauding hogs in their proper place and

is a ready and willing assistant in these days of scarce, high-priced hired men.

Smokey isn't a barking dog and all his master has to do is to point out the stock he wants and Smokey slips quietly up and nips their heels and soon they are on their way. If it's a particular animal Mr. Wood wants in, he has only to point it out and Smokey never makes a mistake.

Smokey is sensitive. If scolded, tail and ears drooping, Smokey retires in hurt silence. Otherwise he is ready and willing to go thru his earlier-learned tricks for visiting children, or to do his farm chores.

For Tiny Seedlings

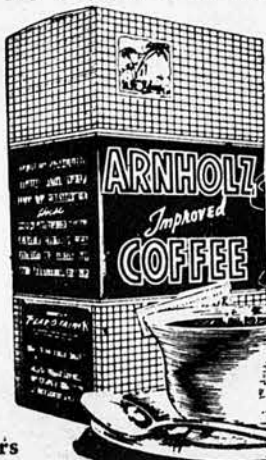
A shower bath for tiny seedlings can easily be given by dipping a whisk broom in warm water and shaking lightly over the plants.—Mrs. L.

A Coffee TREAT To Look Forward To!

ARNHOLZ IMPROVED COFFEE will soon be available to all Kansans who insist on a rich, full-bodied coffee that's always uniform in flavor. Ask your Grocer for Arnholz Coffee. If he doesn't have it he can get it for you.

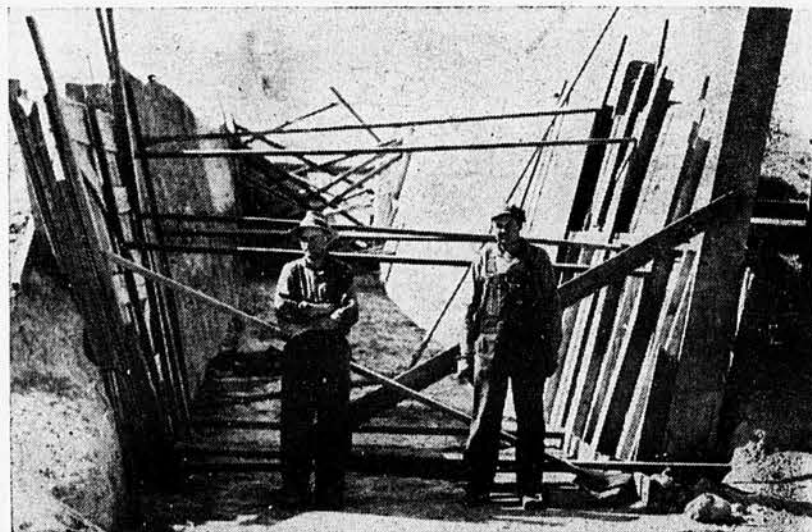
Arnholz
IMPROVED
COFFEE

★At Many Kansas Grocers



DRIP OR
REGULAR
GRIND

BLENDED, ROASTED AND DELIVERED Every Day!



Melvin Carman, right, and Fred, stand in front of a partially completed new trench silo in which they will store feed for their dairy herd. The silo has concrete walls and a capacity of 180 tons.

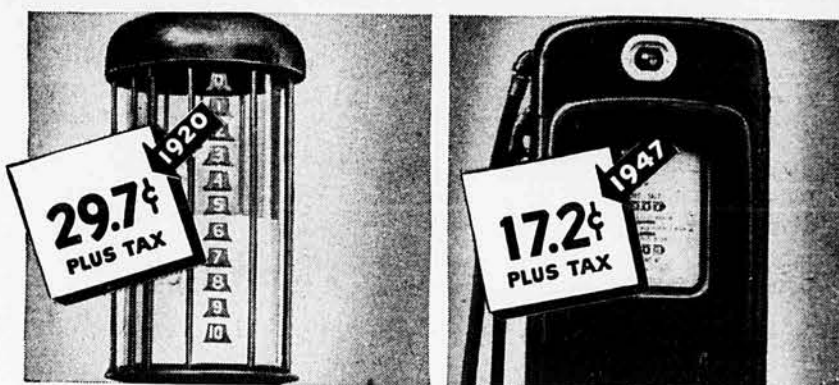


Do Kids Count Freight Cars Nowadays?

You remember, don't you? You'd see a freight train rolling by and you'd start counting, "One, two, three . . . thirty-eight, thirty-nine, forty".



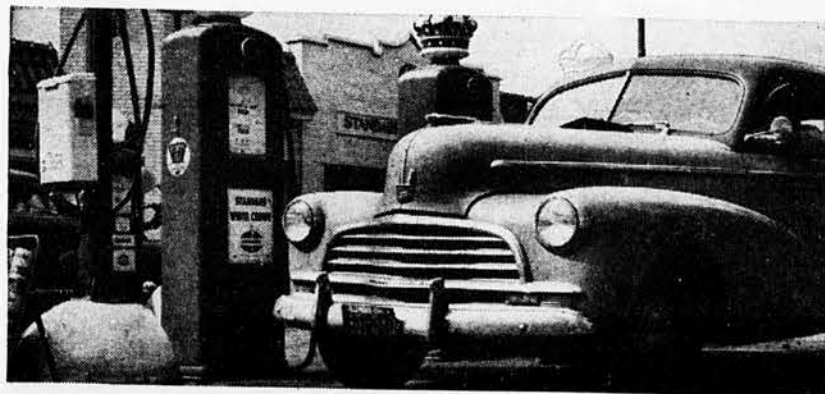
IN 1912, A TANK CAR OF CRUDE OIL would yield only 2,300 gallons of gasoline. Today's potential from the same size car is 8,000 gallons! In 1912 Standard developed the Burton Cracking Process, perhaps the most revolutionary of many Standard "firsts", which have enormously increased the yield and quality . . . and reduced price.



SINCE 1920, THE PRICE OF GASOLINE (less tax) has been pushed down from a national average of 29.7 cents a gallon to 17.2 cents today — and 1947 gasoline is infinitely better. Hundreds of new ideas, new ways of doing things, are put to work at Standard every year to help bring you better products and better values.



EVERYTHING FROM CANDLES TO AVIATION GASOLINE! Standard now makes over 2,000 products for your car, your home, your farm and your business. The combined demand for them is so great that our big problem today is how to serve you rather than sell you. Standard works to solve the problem, as do all of the 34,000 oil producers, transporters, refiners and marketers in America.



YES, THERE ARE 34,000 OIL COMPANIES IN AMERICA — 225,000 service stations. The only way Standard can stay among the leaders is to make better and more useful products, to improve our service and to give you full value for your money. These are Standard's goals. Without such effort, you might today be buying old-style gasoline and paying something like 50 cents a gallon!

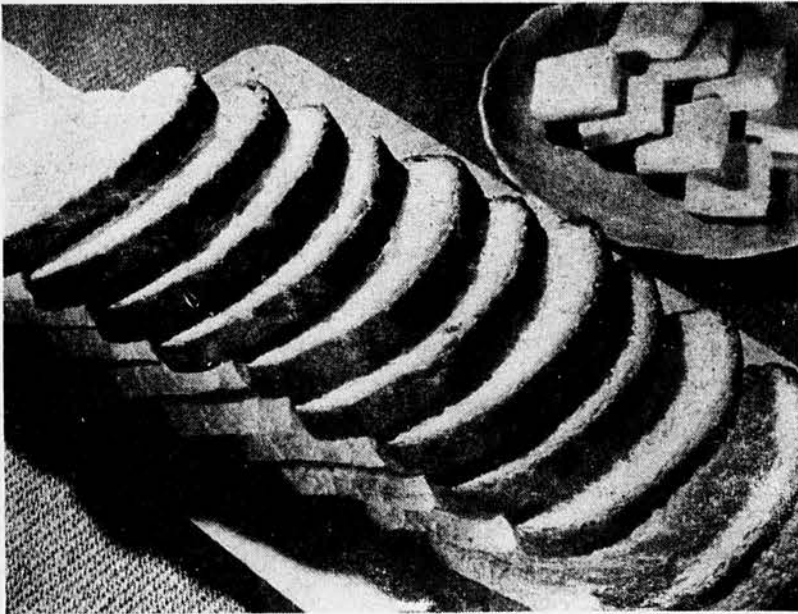
Standard Oil Company

(INDIANA)

910 S. MICHIGAN AVE., CHICAGO 80, ILLINOIS

**STANDARD
SERVICE**

When mother wants the best for her family and guests she serves homemade bread.



Place loaves in oven set at about 400 to 425 degrees F. If temperature is right, bread does not brown during first few minutes.

With Cool Days Comes Homemade Bread

By Florence McKinney

WHERE is there a woman who is not proud of her prowess as a baker of good bread? The fragrance of bread a-baking is the very essence of home itself, of hospitality, of contentment. When mother wants the best for her family and guests, she serves homemade bread or rolls. An approving smile is pay enough for the extra effort.

Bread is that one food appearing on the American table 3 times every day. There is good reason for its name "the staff of life." Nowadays, with enriched flour in plentiful supply, it is even more valuable as a nutritious food. Enriched flour is strongly recommended by the committee on foods and nutrition section of the National Research Council. The enrichment is heat resistant and is not destroyed in the baking process.

With the modern yeasts in every grocery store these days, bread baking is not the all-day chore of grandmother's day. Modern compressed and granulated yeasts are available everywhere and have done much toward improving the quality of bread.

Turning out good bread is no miracle—it requires no special gifts—just 3 things, a good recipe, good accurately measured ingredients, and some practice. And many a homemaker loves the practice. Handling dough is fun and, as in other things, practice makes perfect.

With the "seam" underneath, put the loaf in the pan so that it rests lightly against one side. It will rise more evenly.

Milk is the best liquid for making bread, either skimmed or whole. Other liquids, potato water or plain water may be used but milk is preferred. Milk-made bread not only tastes good and keeps well, but it has added food value.

Always scald the milk before adding the yeast, but do not boil. It is very important that it be cooled before using. Yeast will not work well if added to hot milk—it works better if cooled to a lukewarm temperature. If too cool the yeast is slowed, taking longer to complete the bread-baking process.

There are 2 common methods of breadmaking, the straight-dough method and the sponge method. In the straight-dough method, the completed dough is made up at the first mixing. All the ingredients are added and it is set aside to rise. In the sponge method, the liquid and yeast are combined and only enough flour is added to make a thick batter. This batter is set in a warm place until it becomes bubbly and light. Then the sugar,

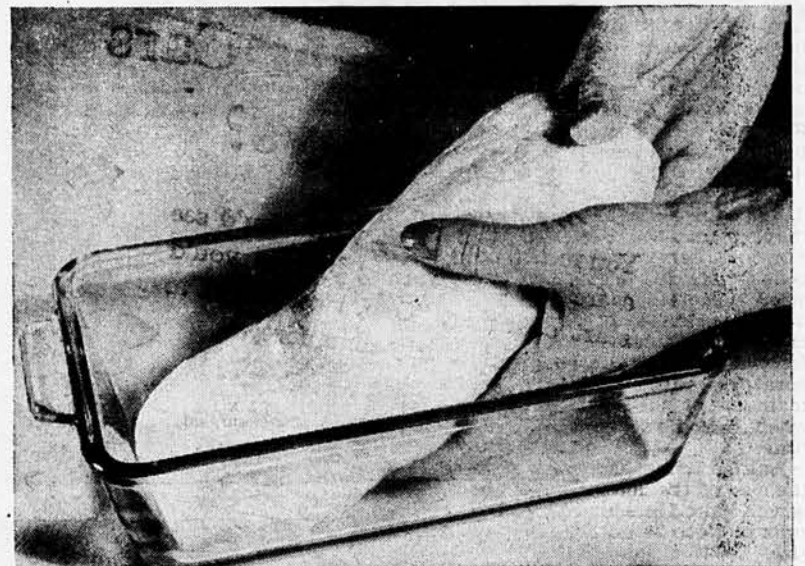
salt, shortening and more flour are added. From this point the 2 processes are identical.

The sponge method has one advantage and it is a big one—it is possible to divide the sponge, one part for plain bread and rolls, the other for cinnamon rolls or other sweet or fancy breads.

It is just as important to measure the ingredients carefully for breadmaking as it is when making a cake. For top quality, the family baker measures with accuracy. She doesn't depend on luck. Instead she controls each operation. Don't forget to control the temperature both when the yeast is added to the milk and when the bread is rising.

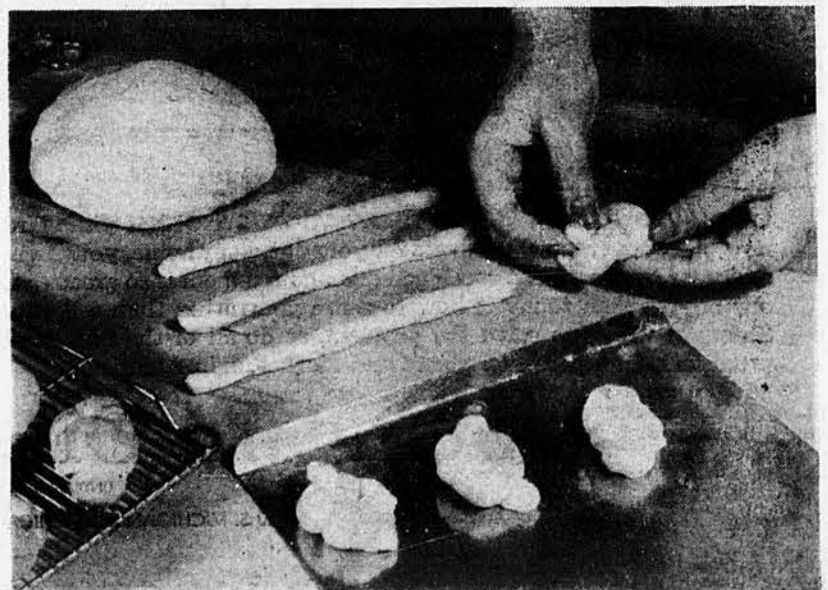
Kneading is one of the 2 most important operations in the entire process. Kneading is something that improves with practice. For 8 to 10 minutes, rock, roll and fold the dough over on itself. For the sake of practice and judging one's bread, look at it carefully when it is ready to serve. Large holes and coarse grain are due to insufficient kneading. When it has been kneaded

[Continued on Page 23]



Butterflies are made by rolling dough thin, buttering, rolling and cutting like cinnamon rolls. Press knife handle across center.

For bowknots, roll dough in strips 6 inches long and tie in loose knots.



Milk After 50--Yes!

ONE never gets too old to eliminate milk from the diet. Nutritionists have long realized that not enough research work was being done on the nutritional needs of the aged. The Iowa Experiment Station has just completed a study which indicates that the middle aged and old need a pint of milk a day for the proper upkeep of their bodies.

Most of the aged people included in the experiment used either a cup of milk or less. Such diet habits may have a serious effect on the health and activity of the constantly increasing num-

ber of old people in our population and lead to old-age ailments.

Many an old-age break in the bones, supposedly resulting from a fall, actually is the cause of the fall—that is, the weakened bone breaks and causes the person to fall.

Too little calcium in the diet causes demineralization of the bones. A pint of milk a day will supply a sufficient amount to prevent this deterioration of the bones. These studies also indicated that old persons have not lost the ability to store calcium and other minerals if they are provided in the diet.

Comes Homemade Bread

(Continued from Page 22)

enough, it is smooth, does not stick to the hands or the breadboard. Then roll the dough around the inside of an oiled bowl until it is covered with a greasy film. This keeps the dough from getting a hard, dry crust while it rises. Set in a warm place to rise.

When it has doubled in bulk it has risen enough. For the amateur we suggest that you press the dough with the finger tip. If the dough does not spring back, it is ready to punch down. Thrust the fist down into the dough and fold over the edges. Turn so that the smooth side is up and shape into loaves or rolls. For the finest quality, the dough may be put aside to rise once more, but this is not necessary.

When the loaves or rolls have again doubled in bulk in the greased pans, they go into the already heated oven. For the average oven, 400° to 425° F. is desirable. If a deep brown crust is desired, maintain this temperature throughout the entire baking period. If a lighter crust is preferred, 425° F. may be used for the first 15 minutes, then the temperature reduced to 350° F. for the remainder of the time. Rolls are best when baked at 425° F. for the entire time.

Baking time naturally depends on the size of the loaves, but a pound loaf is well baked in about 40 to 45 minutes, rolls in 15 to 25 minutes, depending on size.

For a glossy, crisp, yet thin crust like the French breads one buys at commercial bakeries, steam is forced into the oven as the bread is baking. This is impossible at home, but a somewhat similar product can be produced by placing a pan of water in the oven when it is heating and renewing it at

Quick Bread Recipes

For that something to prepare quickly and serve proudly, quick breads head the list. We offer free to all who write us, a copy of "Quick Bread Varieties." It contains carefully tested recipes and photos of biscuit teasers, waffled wafers, chicken shortcake, corned beef roll, meat pie, fruit turnovers and peach waffle shortcake. Write to the Farm Service Editor, Kansas Farmer, Topeka.

the time the loaves are placed there for baking.

When bread is done, it shrinks from the sides of the pan and sounds hollow when tapped with the fingers. Remove from the pans as soon as the loaves are taken from the oven, for condensation of moisture will cause toughness. Turn out on wire racks for cooling and the loaves may be brushed with fat, to keep the crust from becoming too dry.

Again for the beginner, judge your product, learn the qualities that make a good loaf and strive for perfection. These are the standards of quality: A good loaf is balanced and regular in shape, good in volume and a rich brown in color. Inside, the crumb is silky, creamy white and fairly fine and evenly grained. In other words, there must be no large tunnels or holes. But most of all, good bread tastes good—that is the final test.

Plain Bread

Flour always is sifted once before measuring. Yeast mentioned is either compressed or dry granular.

2 cups milk	2 cups water
1/4 cup sugar	1/4 cup lukewarm water
4 teaspoons salt	12 cups sifted flour (about)
2 tablespoons shortening	1 cake yeast

Scald milk, add sugar, salt, shortening and water. Cool to lukewarm. Add

yeast which has been softened in 1/4 cup lukewarm water. Add flour gradually, mixing it thoroughly. When dough is stiff, turn out on lightly floured board and knead until smooth and satiny. Shape into a smooth ball and place in a greased bowl. Cover and let rise in a warm place (80° to 85° F.) until doubled in bulk. If soft wheat flour is used, do not allow to double in size. Slightly less is desirable. Punch down. If there is plenty time and an especially fine product is desired, let the dough rise again. Otherwise, divide the dough into 4 equal portions. Round up each portion into a smooth, round ball and let rest for 10 to 15 minutes. Then mold into loaves. Place in greased bread pans and let rise again until doubled in bulk. Bake in a preheated, moderately hot oven (400° to 425° F.) for about 40 to 45 minutes. This recipe will yield about four 1-pound loaves.

Refrigerator Rolls

2 cakes yeast	1/4 cup sugar
1/4 cup lukewarm water	1/2 cup shortening
1 cup milk	5 eggs
1 1/2 teaspoons salt	5 cups sifted flour (about)

Soften yeast in lukewarm water. Scald milk, add salt, sugar and shortening and cool to lukewarm. Add 2 cups flour and beat well. Add yeast and beaten eggs. Blend thoroughly. Add remaining flour to make a soft dough. Turn out on lightly floured board and knead until smooth and satiny. Place in greased bowl, cover and let rise in warm place (80° to 85° F.) until doubled in bulk. Punch down, form into a smooth ball. Grease the surface of the dough lightly, cover and put in the refrigerator. When wanted, remove the dough from refrigerator and punch down. Mold at once in any desired shape. Or if preferred, let dough stand in warm room for an hour before molding. Place in greased pans and let rise until doubled in bulk. Bake in moderately hot oven (425° F.) for about 15 to 20 minutes. Yield: 2 1/2 dozen rolls. This recipe may be used for fancy rolls illustrated. This recipe will yield about 2 1/2 dozen rolls.

Bowknots

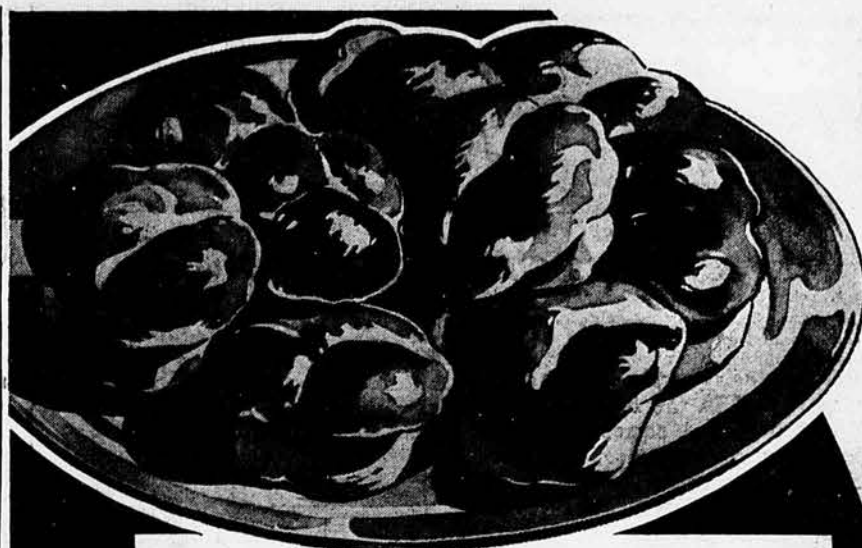
Roll a strip of the refrigerator dough under hand to 1/2-inch thickness. Cut in pieces about 6 inches long. Tie in knots and place on greased baking sheet and let rise.

Butterflies

Roll the refrigerator dough into rectangular sheet 1/4-inch thick and 6 inches wide. Brush with melted butter and roll-up into jelly-roll fashion. Cut into pieces 2 inches long. Press across the center of each piece with a knife handle and place on a greased baking sheet.

Three Smash Hits

We have recently arranged 3 short plays for community entertainment. They were sent to us by readers and have been presented in their communities. They are: Majoreess Bow-wow's Amateur hour, 10 characters; At the Hamburger Stand, 3 characters; An Old Maid's Club Meeting, 8 characters. Write to the Home Service Editor, Kansas Farmer, Topeka, and inclose 10 cents and you will receive the 3 plays. If you desire additional copies of any one of these plays, enclose 5c for each additional copy.



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Rolls with crispy, golden-brown crusts . . . soft white centers that just melt in your mouth! That's the kind of Luscious baking you get—every time you use KANSAS STAR "Better by Far" FLOUR. Try all your baking with this smooth, white all-purpose flour. From feather-light cakes and pies to mouth-watering bread and rolls . . . KANSAS STAR "Better by Far" FLOUR means better baking . . . baking that tastes as good as it looks! Get your sack of Kansas Star "Better by Far" Flour today!



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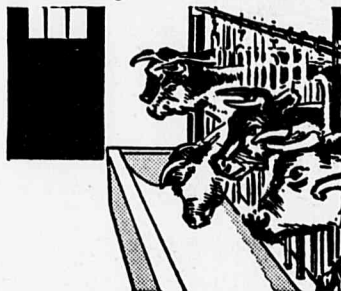
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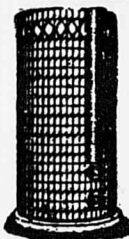
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| <input type="checkbox"/> Dairy Barn Floors | <input type="checkbox"/> Milk Houses | <input type="checkbox"/> Milk Cooling Tanks | <input type="checkbox"/> Poultry Houses |
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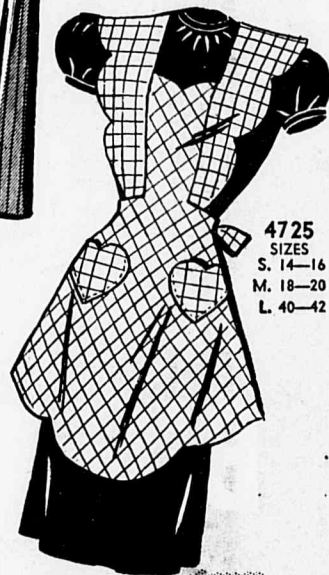
4713
SIZES
12-20, 40



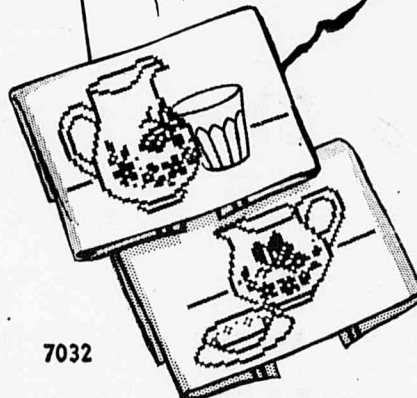
9089
SIZES
34-48



4578
SIZES
6-14



4725
SIZES
S. 14-16
M. 18-20
L. 40-42



7032



7125



7204



4713—A squared-off armhole, deep cuffs, soft pleats make this new classic. Sizes 12 to 20 and size 40. Size 16 requires 3 3/4 yards of 39-inch material.

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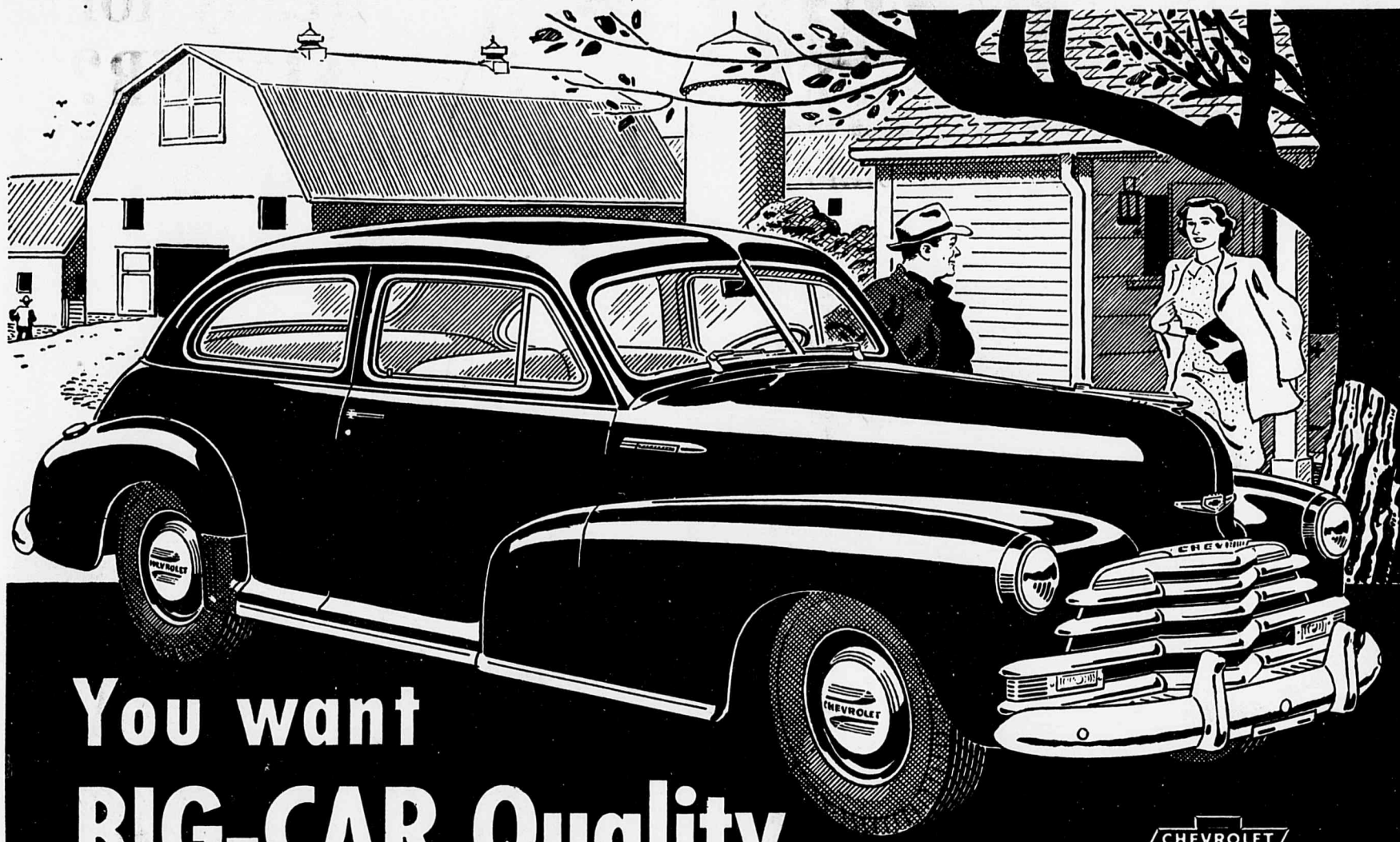
7032—Quick cross-stitch for the kitchen towels. Transfer of 6 motifs about 5 1/2 by 7 1/2 inches.

7125—Pretty mittens to be knitted with 2 needles. Pattern comes in small, medium and large sizes.

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Longer skirts, less padding on the shoulders, tiny waistlines, rounded hips and very full or narrow hemlines are features of the new fall styles. All these changes in the silhouette make our old clothes outmoded. Mid-calf length for the skirt is the approved length, rather than any specified distance from the floor.

To obtain pattern write to the Fashion Editor, Kansas Farmer, Topeka. Dress patterns 25 cents, needlework patterns 20 cents each.



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You want LOWEST Cost . . .**

and only Chevrolet gives you both!

Big-Car performance, Big-Car reliability, Big-Car endurance make this new Chevrolet the ideal car for long, hard farm service. And low purchase price, low operating cost, low upkeep cost make it ideal for you who want savings along with motoring satisfaction.

You and your family can have the BIG-CAR quality you really want in an automobile. And you can *save money* on purchase price, operation and upkeep as well. You gain both of these advantages when you invest in this bigger-looking, better-looking Chevrolet.

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It's the only car in its field that gives the Big-Car beauty and luxury of Body by Fisher. It's the only car in its field that gives the Big-Car performance and dependability of a long-lived Valve-in-Head Thrift-Master Engine. It's the only

car in its field combining the Big-Car comfort and safety of the Unitized Knee-Action Ride and Positive-Action Hydraulic Brakes.

Moreover, Chevrolet gives you all these Big-Car advantages at *lowest* prices, and saves you money on gas, oil and upkeep as well.

All of which means that you who want BIG-CAR QUALITY—you who want LOW cost—will find both in this one car . . . *the new Chevrolet!*

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Lots of coffees cost as much as Butter-Nut . . . but for downright delicious flavor Butter-Nut is in a class by itself!

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Just compare Butter-Nut with the coffee you now use. Butter-Nut has won that test in a million homes!



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FRUIT JARS.
SAVE THEM

Butter-Nut
"The
Coffee
DELICIOUS"

THE FARM FAVORITE!

Cotton Dress Wins Honor



Left to right: Mrs. George Will, clothing leader, Donna Jean Johnson, state style revue winner and her mother, Mrs. R. Bruce Johnson, all from Saline county.

THE 81 Kansas 4-H Club girls, who eagerly participated in the state style revue at the Kansas State Fair, September 17, effectively modeled the new longer skirts, dark-toned stockings, and modish fullness. But it was a simple blue chambray, worn by blonde, 14-year-old Donna Jean Johnson, Saline county club member, that took top honors.

Four dollars and seventy cents may not sound like auspicious money to clothe a champion, but when it was combined with impeccable sewing skill and set off with just the right amount of red trimming and an outstanding club record, Naomi Johnson, and Christine Wiggins, judges from the Kansas State College Extension Service, decided it could not be beat.

First Time for Cotton

This is the first time in Kansas club history that a cotton frock will carry state hopes to the national 4-H style revue in Chicago. Admirably suited to Donna's fresh beauty and supple figure, it was as perfect a cotton frock as you may want to see.

"There wasn't a thread showing on those inside seams," Miss Johnson exclaimed. "Here was a girl who in 3 years of sewing has mastered skills that an adult might envy. Part of the fun was that Donna was so completely surprised that her little dress had a chance."

A member of the Bavaria Live Wires 4-H Club, Donna has received a blue ribbon on every clothing exhibit she has ever entered at state or county fairs. Championships in sheep and colt are other accomplishments, along with being music-appreciation leader for her club.

A home-designed and hand-blocked brown felt hat was a highlight of the fall costume of Marilyn Elliott, Labette county entry, which took reserve honors. This same hat, Marilyn's own creation, and topped with a brown feather, was used in a demonstration by its 16-year-old owner to win a blue ribbon at the state fair this year. She wore it with her toast-colored wool frock that had felt belt and bag (also her own making) to match.

In the boys' contest, which was high in quality and boasted 58 entries, John Clark Wilk, Sedgwick county club member, took top honors in a brown

tweed suit. In this competition 50 per cent of the scoring depends upon club record and young Wilk has one in dairy, junior leadership, and general club activity difficult to equal.

Reserve title in the boys' competition went to David Betts, who chose a light tan summer suit with faint red stripe to wear with light hat, brown shirt, and pocket handkerchief. David, who is from the Golden Belt 4-H Club, Russell county, has an outstanding county club record.

Looking over some of the "lovelies" in the blue ribbon classes at Hutchinson, a yellow cotton gabardine dress with slant pockets and tailored lines worn by Dorothy Calderwood, Johnson county, showed up well. So did the pink mesh frock of Norma White, pretty, dimpled club member from Graham county, who won national honors in clothing at Chicago last year.

The state wheat queen, brunette Marie Baresel, Geary county, rated a blue ribbon with her powder blue two-piece wool dress with rippling peplum and white button-on cuffs. Diane Bayer, Riley county entrant, was the picture of summer smartness in a striped seersucker. Mildred Gibson, from Dickinson county, had made her own clever Dutch half-hat.

In Party Class

Romantic black marquisette over a rose taffeta slip won the only blue ribbon in the party frock class for Janna McEndree, Barber county aspirant. Appliqued leaves of the rose taffeta and a saucy little matching bag of taffeta were individual touches.

The complete list of blue ribbon winners in the girls' revue at Hutchinson: Donna Jean Johnson, Saline; Jeanne Schuetz, Brown; Donna Gies, Shawnee; Mary Hansen, Wabaunsee; Iris Corswell, Osborne; Arlene Andrews, Chase; Lois Lee Eggers, Ellsworth; Lavone Harrison, Clay; Mildred Gibson, Dickinson; Mildred Hemmen, Sedgwick; Ruth Horsch, Sumner; Enola Baker, Rush; Dorothy Calderwood, Johnson; Norma White, Graham; Patti Strandberg, Reno; Agnes Pianalto, Rawlins; Doris Marie Imel, Ford; Willa Mueller, Stevens; Diane Bayer, Riley; Marjorie Duncan, Wyandotte; Lola Beth Goering, McPherson; Marilyn Elliott, Labette; Janna McEndree, Barber.

Step-Saving Kitchen Wins

IF THE winning home demonstration booths at the Kansas State Fair, at Hutchinson, this year are a guide to the interests and purposes of Kansas rural homemakers, it is step-saving kitchen storage and work improvement which concerns them most. First- and second-place booths, from Finney and Republic counties, respectively, featured labor-saving arrangements of supplies and equipment.

"An Easy Place to Work" was the over-all caption on the blue-ribbon Finney county booth, which featured an ideal mixing center, with all items necessary within easy reach of the homemaker. In fact, she need not even rise on her tiptoes to reach the top shelf. Based on a Cornell University time and motion study, the cabinet and working table beneath it, was made in the county and will be sold at auction by the unit members after the fair. Mrs. Faith C. Stone, home demonstration agent in Finney county, who supervised the building of the booth, says that 4-inch shelves, properly arranged, will take care of 90 per cent of the materials used for baking. Pull-out drawers below the working surface contain flour, sugar and mixing bowls, cake and pie pans and the like.

Another topline on the booth said that 316 Finney county kitchens had improved storage as a result of this project in work improvement.

How to make the best of the storage you already have by remodeling and using adjustable shelves was well demonstrated in the number 2 booth, which was supervised by Helen Craft, Republic county home demonstration agent. An ordinary old utility cabinet had been brought up to date at small cost and with much added convenience. Blocked signs pointed out the importance of planning, blueprinting, and building. Again, the signs reported that 327 Republic county women had improved storage in 1947.

Show Met Prewar Standard

THE age-old womanly arts of exquisite handwork and original design are still very much alive—this was proved many times to the thousands of Kansas State Fair visitors who viewed the clothing and textiles department at Hutchinson this year. Two hundred and thirty exhibitors brought the quality of the show up to prewar standard in nearly every class, according to Mrs. L. E. Tilley, superintendent of the show.

Feminine exclamations of delight greeted the colorful quilts, fancywork of all kinds, homemade rugs, and wearing apparel that filled the cases and hung from the walls of the large room, in the grandstand building. Beulah R. Pike, Arkansas City, won 12 blue ribbons to capture individual honors in the entire needlework division, which was judged this year by Mrs. Velma Huston and Mrs. Ethel Self, members of the Kansas State College extension service.

Mrs. C. C. Bell, Cherryvale, was second with 11 blues, while Fay Rice, Topeka, had 7 blues. Others ranking high were: Mrs. Vernon Nelson, Hutchinson; Mrs. Loren Bass, Topeka, and Mrs. C. D. Heidebrecht, Buhler. Richard Kruse, Lyons, showed the best needlework made by a 4-H Club boy, and Homer Hubbard, Wadsworth Veterans Hospital, ranked highest in entries by a man.

Sweepstakes in the large quilt classes went again to Mrs. Rose Kret-

zinger, Emporia, whose original designs and bold use of color have made her quilts outstanding for a number of years. A blue-ribbon antique quilt, its oil calico patchwork well preserved for its 110 years, was shown by Margaret Carter, Hutchinson.

One of the most exquisite pieces of handwork of the entire needlework department was a white knit bedspread, which took up the spare time of Jane Ann Goring, 25-year-old Wichita girl, for 3 years. Knit on fine needles with fine cotton thread, it was a marvel of neatness and workmanship. It was made in block design, each block fitting in wonderfully to give an all-over effect of richness.

The Rose of Sharon applique quilt made by Mrs. Bell was a thing of striking beauty. An originally designed children's quilt sent in by Mrs. Martin Widowsky, Newton, did not win a blue ribbon but its cunning animal figures and simple movement would fascinate a child.

Top crocheted bedspread of the show was an ecru-colored beauty in rolled popcorn stitch, the work of Mrs. J. W. Vandaveer, Hutchinson.

Mrs. Elsie Cantwell, Hutchinson, made the hand-hooked rug in Oriental coloring that was so rich and deep in its pile that no one would believe it was handmade. Hooked with very fine yarn, it had been clipped to give an effect very much like a luxuriant Chinese rug.

The booths at the 1947 fair were judged by Georgiana Smurthwaite, state home demonstration leader, and C. R. Ja-card, extension economist, both of Kansas State College, who praised the objectiveness and educational value of the displays.

Quite in a different vein was the booth that won third place in the competition. Here, tailoring at home was extolled as resulting in smarter clothes, greater economy, and real satisfaction. The idea of Rush county unit members, Annabelle Dickinson, home demonstration agent, had picked an attractive black and gray pin-checked wool suit with black accessories as the focal point of her display. More than 42 such garments have been made in 4 work centers in the county at the cost of \$756, but with a value of \$1,540.

A miniature farm home with surrounding grounds, illustrated the importance of a well-placed farm driveway in the Clark county exhibit, which placed fourth. Virginia Stewart, county home demonstration agent, brought in this booth.

An unusual subject for a home economics booth was the one chosen by Dickinson county homemakers under the leadership of Helen Ruth Meyer, home demonstration agent. Signs and a revolving community scene indicated that farm communities were working toward peace thru UNESCO organization, correspondence with neighbors across the seas, and thru books and discussion. This booth placed fifth.

A booth, full of valuable nutritional information, was the one presented by Pratt county women, who have as their home agent, Blanche Brooks. Placed sixth by the judges, charts and illustrations compared different food values of breakfasts. In Pratt county, 323 homemakers had studied breakfast menus, 365 families improved breakfast menus, and 976 other housewives had learned about adequate breakfasts.

The booths at the 1947 fair were judged by Georgiana Smurthwaite, state home demonstration leader, and C. R. Ja-card, extension economist, both of Kansas State College, who praised the objectiveness and educational value of the displays.

Competition Was Keen

ABOUT 1,200 separate entries in baking, canned fruit and vegetables, preserves, jams and jellies made the culinary department of the 1947 Kansas State Fair, Hutchinson, an enticing place for anyone who appreciates good food, temptingly prepared.

The cakes were back in all of their prewar glory—great fluffy angel foods, coconut-topped white layers, chocolate loaf cakes, velvety and moist, crowned with rich fudge frosting. The sweepstakes on sponge cake went to Twila Smith, R. 4, Hutchinson, while sweepstakes on butter cakes was claimed by Mrs. Carl Wilms, Lyons. 4-H Club girls showed up well in the open classes.

Sixty loaves of white bread were entered in the fair competition this year, but it was 14-year-old Vivian Warnken, 4-H Club member from Hutchin-

son, who outbaked her elders to win the title of champion bread baker at the state wheat festival. Vivian wins an all-expense trip to the International Hay and Grain Show in Chicago, the gift of Senator Arthur Capper thru the Kansas Farmer.

Mrs. Charles Chalfant, a rural woman whose address is also Hutchinson, took sweepstakes in the regular competition for white bread in the women's division. First prizes on strawberry jam and dark fruit cake were won by Joan Dunn, Hutchinson, who is a cook without peer.

"Each year I marvel at the quality of this show," was the way that Mrs. O. M. Coble, Sedgwick, superintendent of the show for many years, put it. The displays exemplify the talents of Kansas farm women.

Better than Ever

Morton's Improved Sugar Cure and Tender Quick for finer-tasting, better-keeping meat



The improved Morton's Tender Quick and Sugar Cure are the finest meat-curing products ever to bear the Morton label. Try them this year.

They're fast-curing — positive. They give a better color — make your meat sweeter, firmer—cured to keep from season to season. And flavor! It's the kind of good eating that does justice to healthy farm appetites.

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FIRST — Dissolve Morton's improved Tender Quick in water and pump along the bones. This fast-acting curing pickle starts curing INSIDE. Helps prevent bone-taint, off-flavor, under-cured spots.

THEN — Rub the outside with Morton's improved Sugar Cure which strikes in from the OUTSIDE, curing toward the center... gives you a thorough cure... unmatched keeping quality, rich, wood smoke flavor.

How to Add Variety to your Dinner Table

"Home Meat Curing Made Easy" tells how to cure pork, beef, veal, and lamb... to make smoked turkey... sausage... to put up dried beef, corned beef, and other specialties. Shows every step in butchering, trimming, and cutting.

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HERE'S A RED STAR RECIPE YOU'LL LOVE

TEACHER
LEARNS A LESSON
ABOUT RED STAR
DRY YEAST



HALLOWEEN DOUGHNUTS

2 teaspoons sugar
1/2 cup warm water
2 packages Red Star Dry Yeast
1 cup milk, scalded
1 teaspoon salt
1/2 cup sugar

2 eggs
4 1/2 cups sifted flour (approx-
imately)
3/4 teaspoon mace
3 tablespoons shortening
Fat for frying

Dissolve 2 teaspoons sugar in warm water. Add 2 packages Red Star Dry Yeast. Let stand 10 minutes. Place scalded milk, salt and 1/2 cup sugar in a large bowl. Cool to lukewarm. Stir yeast solution thoroughly and add to this mixture. Add half the flour which has been sifted with the mace and beat well. Add eggs and melted and cooled shortening, stirring vigorously. Add remainder of flour stirring well. Place on lightly floured board and knead for 3 minutes. Shape into smooth ball and place in greased bowl. Brush top lightly with shortening. Cover and let rise in warm place for 45 minutes. Without punching down turn dough onto lightly floured board and roll to 1/2 inch thickness. Cut dough with 3 inch floured doughnut cutter. Place doughnuts on floured baking sheet. Let rise in deep hot fat (350° F.) on both sides. Drain; cool and roll in sugar. Makes 2 dozen.



Red Star
QUICK RISING
Dry Yeast

QUICKER · EASIER
FOR EATING · FOR BAKING
Always Fresh!

KAY ROGERS SAYS: "Save time with your own recipes by using RED STAR... and be sure to make a batch of RED STAR Halloween Doughnuts for the children."



RED STAR DRY YEAST

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Let us tell you about the Silo that is built to last a lifetime. The very latest in design and construction. See the new large free-swinging doors and many other exclusive features. The Salina Silo has been giving farmers perfect service for 34 years. Get the Facts—Write TODAY.

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Walking and riding models ideal for small farms orchards, etc. Easy to use, low upkeep, operate for only a few cents per hour. Rugged construction. Prompt shipment.

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- ① SELF-OILER
- ② SELF-BRAKE
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Here is no robot windmill. It won't run forever without oil or a little human treatment. But some clever engineering has made it about as automatic as a windmill can be.

A simple but ingenious oil ring lubricates it for a long period.

A wind governor regulates wheel speed regardless of wind velocity, from a zephyr to a stiff blow.

An automatic V-Brake locks the wheel securely in a storm, even if the control wire snaps.

Sound like a good windmill to you? It is.

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\$9.95

Complete With Cord

Extra Large

A quality Toaster for years of service. Made of heavy gauge steel; beautiful, gleaming chrome finish, modern style Cabinet; turn-over toasting action for crunchy, tasty, golden brown toast. Extra large size for all sizes of bread loaves. Makes a fine gift. Special at \$9.95!

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A Country Woman's Journal

By MARY SCOTT HAIR

*I pulled my onions yesterday
And piled them up to dry,
And then I bunched them neatly
And hung them all up high
On poles across the smokehouse loft...
Some pearly white, some red,
And some all golden yellow...*

"How beautiful!" I said.

—Mary Elizabeth Mahneky.

For days I've been searching thru my boxes and drawers of keepsakes, things I've saved for years, looking for a little paper-backed volume we used to call a "classic." This particular one I've been trying to find was left over from grade-school days, "The Story of Rip Van Winkle."

Thus far, my search has been unrewarded. I have to laugh every time I make such a statement as "I need that for my files" . . . for said "files" are a joke! Empty candy boxes, two cigar boxes, an expanding envelope-file, large brown envelopes and a couple of scrapbooks make up "my files." When I want a particular clipping, leaflet or booklet, chances are I have to empty the boxes, look thru the contents and find the clipping right on what would have been the top if I hadn't turned the box upside down! Some day, I promise myself, I'm going to put my valuables in order.

I read this statement in a book, "Nature's Program" published several years ago by Nelson Doubleday, Inc., "If Rip Van Winkle awoke from his 20-year slumber during late summer, he must have known at once what time of year it was, for that particular season has a look, a feel, even a sound all its own." The more I thought about the statement, the more I searched for my story, to see if the little book tells what time of year Rip DID end his long, long slumber.

It is true that late summer has a look all its own. Often it is mistaken for autumn, for while summer lingers in the valleys, autumn has already touched the upland pastures, the woody spots on the hills in the first haze of leaf-color. The marshes are last to give up the touch of summer and here flowers bloom in lush splendor, trailing vines remain green and dainty and the smell of mint, cool and tangy, fills the air when you step among the tender leaves.

If you are familiar with the wild flowers of your community, you will find that yellow and purple are late summer's predominating flower colors. Masses of goldenrod, yellow daisies, coneflower and wild sunflowers bloom in varying shades of orange and yellow, white asters, ironwort and joe-pye weed answer "present" to the purple roll call.

This summer our hayfields have been invaded by a strange, insignificant looking little plant, when it first appears. Left alone it spreads at an alarming rate, almost like wildfire, and will soon ruin an entire field by choking the life out of hard-working plants that tend to mind their own business.

I'm speaking of the parasite Dodder, often called love vine, tho why, I don't know. It has long been my opinion that love is uplifting, full of noble aspirations and always basis for inspiration. So I am unable to account for Dodder, which is a cousin of the Morning-glory, being called love vine.

For all its lazy, shiftless ways, the plant is interesting. At one time botanists tell us, it was an honorable plant with leaves and roots and it secured its living by honest means, same as other hard-working plants. Then it got to robbing other plants and gradually lost the use of its leaves and roots. It would seem that the commandment "Thou shalt not steal" extends to the plant world, too!

Dodder has clusters of very small white flowers and seeds which fall to the ground and grow more clinging vines. Once the yellow threads of stems wind themselves about a plant, their root-like suckers grow into the roots or stems of the host plant. Since this parasite's living comes so easily, it

grows and thrives and, in no time, unless something is done, it kills the unwilling host plant.

Perhaps late summer is easiest identified by sound, for it is the season of small sounds. The flood tide of growth has passed, but contrary to one's expectations, silence and intervals of small sounds settle over the woods and fields, the hills and valleys.

Crickets chirp from clumps of browned grass. In the hottest part of the day an insect orchestra tunes up for a concert. Katydid fiddle for all they are worth, cicadas wind up their buzzers and let them run down. The hotter the day the louder the musicians play! A bobwhite calls from the fence corner, another answers from the woods pasture.

On cloudy, late summer evenings, toward twilight and well into the evening, one hears the far-off eerie cry of the tree toad. The almanac says he is prophesying rain! And seems like there IS the sound of rain in his voice . . . summer rain after a long drouth, cooling, refreshing rain. The tree-toads paean of praise greets every passing shower or even the hint of a shower.

The birds are getting ready for their southward journey. Cardinals have been meeting in convention for some time, their brilliant coats all groomed ready for the take-off. When my friend Cletta drove down from Chicago she reported seeing telephone lines sagging with the weight of these fire birds. Soon the twilight skies will appear to be full of birds!

About the friendliest and most entertaining little bird at this time of year is the wood pewee. He sings early in the morning, all during the day and all season long. His wail-of-a-song is noticeable now because so many other bird voices are silent. His notes really aren't a song . . . he seems to wail over and over "Pee ah-wee" and then, at the most unexpected moments, he adds an extra note, sort of an afterthought, in the form of a question, "Pee ah-wee, peer?"

This little bird is the color of brown bark. Its small, flat, bowl-shaped nest, placed on the lichen-covered limb of a tree, is shaped and located in such a way that it looks exactly like a knot on the tree. Spider webs are used to fasten the nest securely to the tree limb. Even the baby birds are the color of lichens and seem to melt into their surroundings. With such protection, it is no wonder that there are so few casualties among this bird family.

These birds are undoubtedly the best acrobats in birdland and they must possess a sense of humor as well, for they twist and turn in the air, all the while giving their mournful wail, as if they are mourners at an oriental funeral!

When the afternoon heat make ordinary chores too burdensome, I get a yen for needlework. The mending basket at this time of year is always overflowing. Shirts need patches . . . if only they will last thru the summer. Overalls, worn thin, need constant attention. As sort of a vacation from all this mountain of mending, I got out my bleached-out sacks and made new tea towels with pretty cross-stitched designs. And I'm using them, too!

October's Benediction

A silence pervades the countryside
These restful autumn days,
Indian Summer wafts her soothing balm
And katydids clamor subsides.

The moon, a ball of burnished gold
Reflected in pumpkin and leaf,
As earth now teaches her well-earned rest

In renewed benediction of old.

—By C. W. W.

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On Hunt for Farm Program

THE ideas of farmers themselves on a long-range agricultural program for the United States will be sought by the House Committee on Agriculture in a series of hearings which will start in Washington, October 6, and will take the committee into the major agricultural areas of the country, Chairman Clifford R. Hope announced.

Hearings will be held in Washington during the week of October 6 thru October 10, at which time the Department of Agriculture will present plans on which it has been working at the request of the committee, and representatives of major farm organizations will present detailed portions of their long-range policy proposals.

Following the week of hearings, the committee will conduct hearings in the following places:

- October 13—Durham, N. H.
- October 15—Lancaster, Pa.
- October 17—Rocky Mount, N. C.
- October 20—Montgomery, Ala.
- October 24—Madison, Wis.
- October 27—Sioux City, Ia.
- October 29—Kansas City, Mo.
- November 1—Temple, Tex.
- November 4—Fort Collins, Colo.
- November 8—Salt Lake City, U.
- November 10—Spokane, Wash.
- November 17—Fresno, Calif.

On its swing thru the Southeast and as far west as Kansas City, Chairman Hope said, the committee expects to travel by chartered bus so stops may be made en route to inspect farms and agricultural processing plants, and to obtain first-hand information of agricultural problems. The hearings will be conducted by the full committee.

"The purpose of conducting hearings thruout the country," Chairman Hope said, "is two-fold: To acquaint the committee members personally with agricultural problems in different parts of the country, and to obtain the viewpoint and ideas of the farmers themselves, the men who work the land, as to a long-range agricultural program."

"The committee has spent several weeks hearing the representatives of farm organizations and other groups in Washington. On this trip, it wants to hear first of all from the working farmer who cannot be expected to come to Washington to present his views to a committee of Congress."

Uses Spring Water

Feeding 11 to 12 litters of pigs both spring and fall, Clay Hudley, Atchison county, doesn't know what it is to carry water for his hogs. His watering system is a natural. He has harnessed several springs that keep a constant flow of water accessible both winter and summer.

There are few places in Kansas so well fitted for the job by nature. His hog lots are built on a steep slope near his farmstead. Clean ground is no problem. The lots are washed clean every time it rains. At the bottom of the slope he has several tanks which are kept full by the springs. And the overflow passes along the rocky bed of the draw to form a natural cool wallow in summer.

It pretty well solves my sanitation problem, Mr. Hudley says. Rains keep the lots clean and the spring water seems to have a beneficial effect, too.

To complement the automatic water system, the feeding job is made simple with self-feeders in a shelter house at the top of the slope. It results in big, healthy hogs in a short time.

Free Information

- No. L56—Preventing Cracks in New Wood Floors.
- No. L90—Rockeries.
- No. L213—Sour Cream: How to Prepare and Use It at Home.
- No. 1220—Storage of Vegetable Seeds.
- No. FB849—Capons and Caponizing.
- No. FB1950—Sewage and Garbage Disposal on the Farm.
- No. FB1969—Better Farm Leases.

If interested in any of these U. S. D. A. bulletins, they may be ordered from Bulletin Service, Kansas Farmer, Topeka. The information is reliable and up-to-date.

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MANY DOCTORS use pepsin preparations in prescriptions to make the medicine more palatable and agreeable to take. So be sure your laxative is contained in Syrup Pepsin.

INSIST ON DR. CALDWELL'S—the favorite of millions for 50 years, and feel that wholesome relief from constipation. Even finicky children love it.

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STANDABILITY DROUGHT RESISTANCE UNIFORM EARS

Tops for Crops!

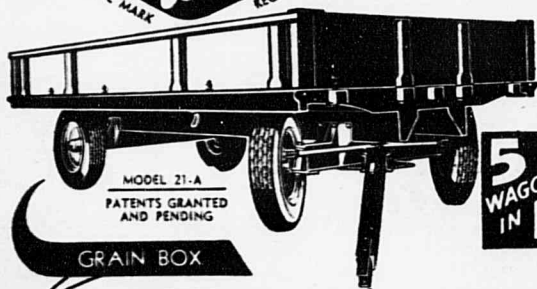
Thousands of Midwestern farmers have produced record yields of high quality corn from their fields of Steckley Hybrids. Rounds are cheaper per kernel and plant more uniformly than flats—giving a more uniform stand. Manufacturers of implements will have plates for planting Round Kernels in the Spring of 1948. Order Round Kernels from your Steckley dealer now!

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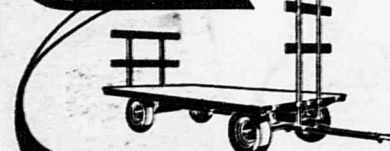


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Made of tough Hi-Tensile steel. Sills and bolsters flex to absorb the shocks of cross-field hauling. All parts welded together to form a rugged unit.

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Handles a payload of 3 tons. Grain Box holds 100 bushels—and it is grain-tight. Platform area is 7 ft. x 14 ft.; tongue-and-grooved floorboards.

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Only 31 1/2" from ground to floor.

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Wheels have heavy tapered roller bearings and 6.50x16 six-ply tires. Automotive-type steering—no "whipping" at fast speeds—no tipping on short turns. Tractor and truck hitch or horse pole attachment.

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More Chores for Electricity

By MEL KENNEDY



Plenty of running water keeps trees, shrubs and lawn green around the attractive Sexton farm home.

ELECTRICITY is playing an important part in building a sound Kansas farm economy, as farmers thruout the state are finding more and more chores to turn over to this efficient "hired man." Farm wives, too, are finding that life in the country can be pleasant with modern electric appliances to take a large part of the work out of housework.

An outstanding example of rural electrification in Kansas is the Dickinson county farm of Ben Sexton, R. 3, Abilene, where the Sextons make full use of electric service both on the farm and in the home. Center of activity on this farm is the electric workshop. Here Mr. Sexton overhauls his farm equipment and does all the repair work involved in farming 300 acres of wheat, corn and alfalfa. With his electrical helpers he even finds time for an occasional custom job for one of the neighbors, and has just completed the installation of bulldozer blades on 4 tractors that will be used to build ponds and dykes on neighboring farms.

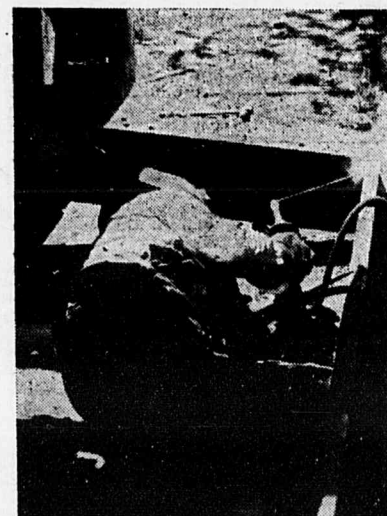
Among the list of electric-powered tools in the Sexton workshop are: Portable drill press and hand drill, 200 ampere A. C. arc welder, 200 ampere D. C. portable welder, emery wheels and grinders, automatic hammer and electric blower on the forge, heavy-duty drill press, machine lathe, electric lights and a portable trouble lamp.

Electric service is nothing new to Mr. Sexton whose farm has been connected to the Kansas Power and Light Company's lines for more than 15 years. He constructed all of his buildings and in all that time has never had to make a trip to town to hire repair work done. An electric pump supplies the livestock and poultry with water from a 63-foot well and their feed is prepared in an electric grinder. Two electric brooders increase poultry pro-

duction and yard lights simplify his farm chores.

In the Sexton home electricity has made possible all the comforts and conveniences of city life—an electric range, water heater, refrigerator, washing machine, radio, stoker, fans, a host of small appliances, modern lighting and, of course, inside plumbing.

When asked to place an estimate on the value of his electric service, Mr. Sexton said, "Well, you would never be able to tell how much a setup like this was worth until you had to get along without it. I do know, tho, that electricity is the cheapest power you can use, and the more you use it the cheaper it gets. By using an electric range and water heater we get the low-



One of Ben Sexton's favorite tools, an electric welder. He is shown here welding a blade on a bulldozer.



Mr. Sexton and Millard Fillmore, rural representative of the Kansas Power and Light Company, check over some portable drills.

est rate and I can add a lot of extra equipment without making much difference on my bills."

This electrified farm uses about 400 kilowatt-hours a month at an average cost of only 2½ cents a kw-h. He esti-

mates that about half of this electricity is used in the house and the rest in his workshop and other farming operations, and he is certain that neither Mrs. Sexton nor he would get along without it if it cost twice as much.



A heavy-duty lathe and several emery wheels speed up repair work.

Will Cover Farm With Sweet Clover

THE only concern Carl Oberst, McPherson county, has about sweet clover is that he may run out of a place to seed it. He thinks enough of it that he is using it in a rapid rotation to cover his farm.

Take one 20-acre field on his farm as an example. After harvesting clover seed a year ago, he disked the ground for wheat. He fertilized with 100 pounds of 20 per cent phosphate and harvested 41 bushels of wheat an acre. That compares with an over-all farm yield this year of 30 bushels.

This 20-acre field had not been plowed since 1943 when it was worked up for milo. Since then the soil had been turned only with a disk. But this summer when other ground was getting hard, this sweet-clover ground was mellow and plowing easily. "I have never seen it plow better," Mr. Oberst commented.

Another 20-acre field that was in second-year clover provided a lot of pasture. Mr. Oberst had 15 cows and 13 calves on this field for 2 months, from late in April to late in June. And he could have used more cattle in the early part of the grazing season. After that he still expected to harvest clover seed.

In another 20-acre field he disked after sweet clover last summer and seeded 10 pounds of brome grass seed an acre last fall. Without additional fertilizer he harvested 300 pounds of brome seed an acre this summer.

In another year he plans to plow the

brome under for wheat. He has a sweet clover and brome grass rotation in mind. It may be the answer to getting adequate organic matter restored to the soil.

Good Hereford Man

Frank Wilson, a 1947 graduate in animal husbandry at Kansas State College, has joined the field force of the American Hereford Association. He will devote a major portion of his time to work with commercial Herefords.

A native of New Mexico, Frank was born on the W. S. Ranch near Cimarron, later moving with his parents to the Adams Ranch at Maple Hill in Wabunsee county, Kansas. His college career was interspersed with practical experience gained from serving as cattle foreman for R. E. Adams, of Maple Hill, for 3 years, and as ranch foreman for Silver Crest Herefords for slightly more than a year. While at Kansas State additional experience was gained by feeding experimental steers in the various cattle experiments.

As a student and as a member of the Kansas livestock judging teams, Frank Wilson's record is most excellent, and few young men his age have had his equal in experience and responsibility with both registered and commercial Herefords, all of which should prove most valuable in his new work.

Wilson is married and has 2 daughters. The Wilsons live at Florence.

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That's right! Gooch's Best Laying Feeds will help your hens produce every egg they are capable of laying... will help them get top egg production... which means extra egg money for you.

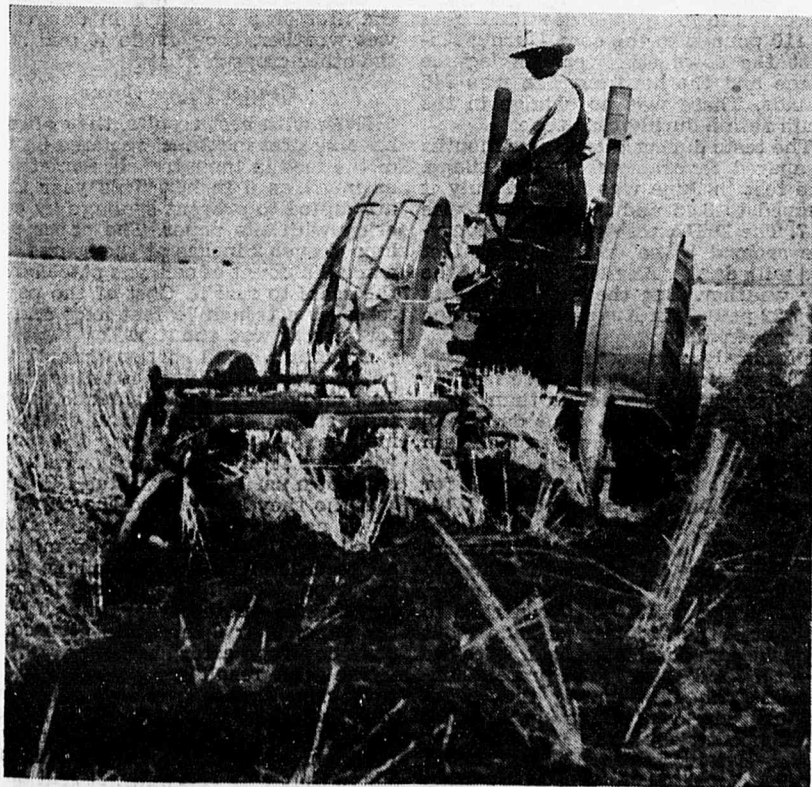
Gooch's Best is rich in needed proteins, minerals and vitamins... contains just what hens need to balance the grain you feed them.

There is a Gooch's Best Laying Feed that will fit your feeding program. See your Gooch dealer today and let him help you select the feed you will want to use.

Gooch's Best Poultry Feeds are packed in attractive dress print sacks—with the easy-to-remove paper label—no ink to scrub out.



GOOCH'S BEST LAYING FEEDS



This soil on the Carl Oberst farm, McPherson county, had not been turned over since 1943. When other plowing was becoming hard, this was turning over easily. It was mellow and few chunks were lifted. The size of the stubble he is turning under is an indication of the 41-bushel wheat crop.

A TUG BOAT, HENS AND EGGS

Many readers of our advertising who are now feeding Pilot Brand to their poultry and getting excellent results, and others who would use it later, probably wonder what a 500 H.P. tug boat has to do with hens and eggs.

Our tug, "Ideal," is daily towing barges with 750 tons of oyster shell to the Pilot Brand factory at Morgan City, Louisiana, enough egg shell material for over 54,000,000 hens daily.

The oyster shell is taken from the barges by a large crane and passed to the crushers; then thoroughly washed; then conveyed to big rotary dryers where intense heat absolutely destroys all foreign and putrid matter, making it absolutely clean.

It is then triple screened into sizes for hens and chicks.

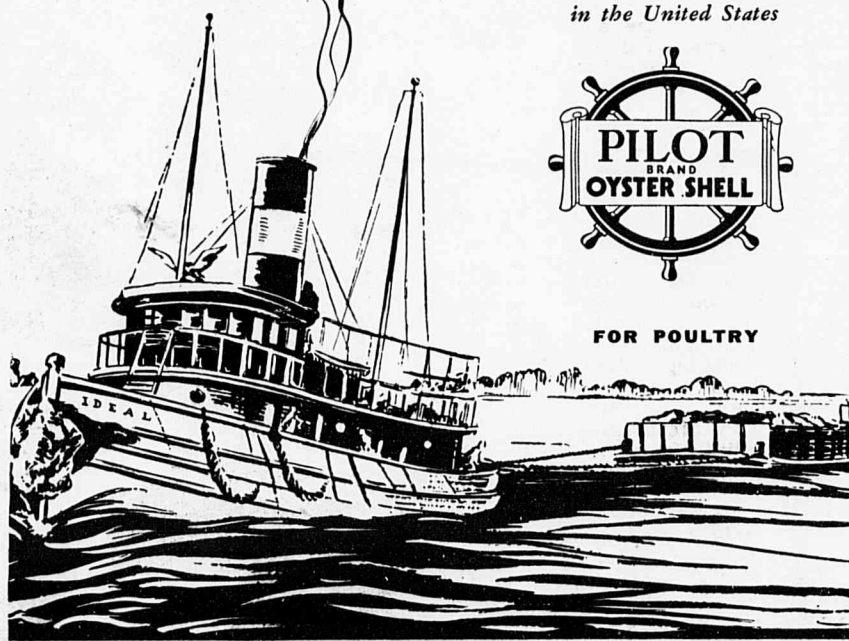
That is why Pilot Brand Oyster Shell is over 99% pure calcium carbonate, the cheapest, cleanest and most productive egg shell material obtainable.

Hens must have it before them all the time to produce egg profits.

Available at Progressive
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FOR POULTRY



OYSTER SHELL PRODUCTS CORPORATION

Grass Silage

(Continued from Page 7)

apparently, is to mix it with a small amount of water and apply a fourth of the amount for each 25 tons put in the silo. A large amount of salt, as much as 14 pounds for each ton of feed, is used with the preparation.

The Wisconsin experiment station report in the Journal of Dairy Science for February, 1947, apparently is one of the first competitive reports to be made. After 3 years of tests, they report silage preserved with molasses gives the best carotene preservation. While silage preserved with about 200 pounds of corn-and-cob meal for each ton of feed was the most palatable. In the same test carotene preservation was high when a prepared bacteria was used.

At Hallmark Jersey Farm, in Johnson county, 11 acres of a combined alfalfa-brome crop was put in a silo. It produced 11 tons an acre, according to T. F. Fansher, farm manager. The crop was preserved with prepared bacteria, but the cows did not like it too well.

Not Ready to Give Up

Mr. Fansher says it is his first experience with this type of preservative. He is not ready to give up on its use, however. He pointed out that they had intended to cut the alfalfa-brome crop for hay but wet weather delayed them. They continued to wait on the weather and finally gave up and put the crop in the silo. The crop was quite mature and would not have made the best hay. It could not be expected to make the best silage either. The cows may not have liked the silage because of its stage of maturity.

Alfalfa and red clover were put in the silo the first time this year on the George Gast dairy farm in Johnson county. They, too, used bacteria as a preservative. His son, Joe Gast, says they put in 15 acres of alfalfa and 12 acres of red clover on top of it. Later they put in 5 acres of a mixture of alfalfa and water grass. It made 18 feet of feed in an 18-foot silo, approximately 130 tons.

They had some difficulty in preserving the last crop of alfalfa put in. The quality was not as good as the first and there was considerable spoilage, especially around the walls of the silo. From that experience Joe Gast believes it would be a good idea to tramp the last 5 or 6 feet put in the silo to get excess air pressed out of it.

Had a Pleasant Surprise

But Joe Gast was surprised when he checked on the feeding value of his legume silage. Their herd of 84 Holsteins was doing a good job during June on bluegrass pasture. The herd average was 657 pounds of milk for that month, according to DHIA records.

By the first of July bluegrass pastures were failing, so Joe started feeding legume silage. His herd average increased to 767 pounds of milk, a gain of 110 pounds to the cow. During August the cows still were on legume silage and the herd average was 745 pounds. There was no change in the grain ration during that time.

The tests during those same months compared favorably for grass silage. The test in June was 3.33. In July it jumped to 3.46 and in August it was 3.17. The DHIA tester told him everyone seemed to be down in both test and milk during August because of the dry weather. But the Gast herd lost only 22 pounds in August after a huge increase in July.

Ordinarily increases like that should not be expected. Grass silage is good but it should be no better than good, fast-growing pasture. If a dairyman can count on grass silage to maintain production, that should be sufficient.

Legume silage does just as well for beef cattle. Nick Thome and son, Walter, of Douglas county, ensiled red clover last year and came back with more this year. They fed red clover silage to 100 head of steer calves in November, 1946. During winter they switched to corn silage that would have made about 40 bushels an acre in the field. With the corn they fed ½ pound of protein concentrate. Then in spring they were feeding red clover silage again, without concentrate. Altho they did not make weight tests, Mr. Thome believes the red clover silage was better than corn and it did not require the use of a supplement.

The last 40 or 50 days they fed the steers, they gave them a short feed of

corn-cob meal. But to get the steers to eat the ground corn they had to take away some of the red clover silage. They preferred the silage to the grain. On this silage ration and a short feed on grain, the steers gained more than 2 pounds a day thru the winter.

Season for season and pound for pound, the Thomes believe they can winter steers more cheaply with good legume silage for roughage than they can buy pasture space in summer.

They use no preservative with their clover, only wilt it before ensiling. So far they have had no difficulty with spoilage and have come to believe that wilting time need not be extremely accurate. They have wilted as much as 2 to 4 hours depending on weather conditions and had excellent results. Last year they mowed some red clover at 11:30 one morning and had a breakdown. They got started again the next day at 10 in the morning. When putting this in the silo, they dropped in a piece of paper to mark the place. The only difference they could tell in the ensilage was a slightly lighter color.

This is the fourth year that McCallum brothers, George and Neil, of Chase county, have put alfalfa into a trench silo. Without preservative they have had good feed. They sprinkle a small amount of salt, about 4 pounds to a ton of feed, in with the green silage. They do not claim the salt helps preserve the feed, but the cattle need salt anyway so they add it to their silage.

Depend on Moisture Control

The McCallums depend entirely on moisture control to preserve their feed. And wilting time depends entirely on the weather. When humidity is high, they have wilted as long as 3 hours. In good drying weather they have chopped the feed in the field 15 minutes behind the mower and windrower.

They govern wilting time by the way their field chopper handles the hay. Hay that is too dry to make good ensilage will be fluffy and will not move into the field chopper easily. Others have noticed this condition. George Andrews, Ellsworth county, used the wilt method this year for some of his legume silage. He noticed the field chopper will not handle the hay properly if wilted too much. Also, he noticed it was more difficult to pull off the truck when too dry.

Altho the McCallum brothers feed legume silage to steers and heifers, they like it particularly for cows with calves. They feed 1 part alfalfa silage to 3 parts corn or sorgho silage. The alfalfa helps them produce thrifty calves. Their Hereford cows seem to have more milk for the calves when getting alfalfa silage.

They have had better results putting a complete crop into the trench silo, rather than a portion of each crop and making the remainder into hay. The more times you fill, the more waste there will be in the end. Since the first crop is always in danger of wet weather, they ensile it and save the other crops for hay.

Used a Paper Cover

Even with best results, they always have several inches of spoilage on top of the feed in their trench. Sometimes as much as 6 inches. This year they attempted to prevent spoilage by covering with silo paper. The paper was lapped over 2 inches at the seams and a small amount of soil was placed over the seam to seal it. Cost of the paper to cover a trench 75 feet long and 22 feet across was about \$25.

Opening a small portion beneath the paper they found very little spoilage. Just an inch below the surface the alfalfa silage was a beautiful color, almost golden. But how long the paper will keep it in that condition will not be known until late in winter.

Altho they had lapped the paper as much as 2 inches, it shrunk, leaving small gaps in many places. Permitting air to enter resulted in spoilage near the gaps. McCallum brothers plan to try it again another year, but will lap the paper 4 or 6 inches to give complete coverage after shrinking.

The same result can be obtained by covering silage in a trench with several inches of soil. Six or 8 inches usually is enough. Elmer Imthurn, Wabaunsee county, preserved alfalfa silage that way this year. It will do a good job but makes feeding more difficult.

Getting grass into the silo in the

(Continued on Page 33)

Grass Silage

(Continued from Page 32)

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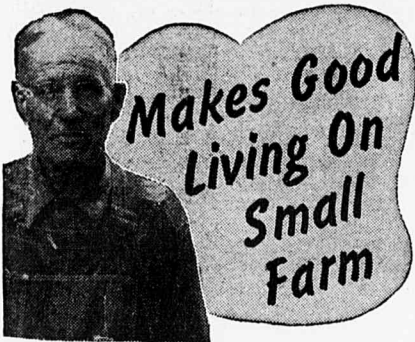
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"If you build up the crop land with legume pastures and raise lots of livestock, you can make a small farm pay out." That's the opinion of Mr. J. O. St. John, and he has a lifetime of experience to back it up.

Twenty years ago, his 117-acre farm produced only 40 bushels of corn per acre. But after fencing the farm, adding legume pasture to the rotation, and stocking the farm heavily, crop yields began to improve. Last year, corn averaged 91 bushels per acre, and the farm carries 150 hogs and 20 dairy cattle besides.

This year, 250 rods of hedge fence is being replaced with woven wire Red Brand, adding a 2-rod strip to the crop fields. "Woven wire is easier to maintain and is hog tight," says Mr. St. John. It pays to use Red Brand fence because it lasts longer and costs less in the long run."

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• RED TOP STEEL POSTS •

first place is a problem in itself. Where specific machinery for the job is not available, it can be a lot of work. Some have tried cutting with binders, pitching the green bundles into a standard ensilage cutter. Others have hauled the feed to the silo in the form of loose hay and forced it thru a cutter. It is possible to do the job in this manner, but a field chopper is better.

In years past, Mr. Porter recalls, they even cut a load into sections with a hay knife to make it easier to pitch into the cutter. Today he uses a false endgate in the front end of his truck bed. Cables attached to the false endgate are hooked to a tractor. As the tractor moves the load back in the truck, the feed is raked off with a fork to give an even flow into the blower.

Use Special Trailers

On the Nick Thome farm they built special trailers to haul chopped feed. They use a special wedge-type false endgate which works satisfactorily. The face of their false endgate slopes back. As it is pulled from the truck it tends to lift the feed, making it slide more easily. But even with this equipment it is a hard pull. Surprisingly, chopped red clover pulls out more easily than chopped corn, Mr. Thome says. They use a steel-wheel tractor for the job. It pulls legume silage out without difficulty, but tends to dig when pulling corn.

They built special endgates at the rear end of their trailers, too. These gates hinge on top and float over the feed as it is pulled into the blower from the trailer. The floating endgate tends to regulate the flow of feed, preventing huge chunks from falling into the blower and clogging it.

McCallum brothers tried pulling feed from trucks, too, but were not satisfied with the method. They use dump trucks now and believe it makes the job far easier.

The McCallums have used a field chopper since 1941. They say it is no more expensive to put alfalfa in a silo than it is to bale it. In the long run they believe it may be cheaper. And in that figuring they do not include the elimination of hand labor.

Proud of Their Equipment

Galle brothers, Dale, Richard and Gilbert, McPherson county, are particularly proud of their equipment for pulling chopped feed from a truck. They have a special blower that has a winch built on it. After backing their truck solidly against the blower, they attach chains from the false endgate to the winch and let the blower do the work.

The blower does not need to be anchored more securely than any other blower. Backing the truck solidly against the heavy feeder, the pull is direct from blower to truck.

Their equipment was built by Adin F. Holdeman, owner of the Hesston Machine Shop. Mr. Holdeman built his first machine in 1941 for his own use. Others saw the blower and put in their orders. Last summer he had built 125 of them and still had more orders than he could fill at the time.

The blower is equipped with 2 plate clutches and 1 jaw clutch. One plate clutch operates the auger, the other operates the winch. The winch is driven by a series of reduction sprockets and chains. To eliminate unwrapping chains from the winch, he installed a jaw clutch on the final drive. After the load of chopped feed is removed, the jaw clutch is thrown out. The false endgate can be replaced in the front of the truck, and the chains unwind easily from the winch.

Galle brothers report they are able to remove chopped feed from a truck without difficulty. But they did experience some trouble. When removing a full load, the chopped feed tends to fall off in huge chunks which could choke the blower. But a floating endgate like the Thomes use might eliminate a major portion of this problem.

Quite a lot of experimental work with grass silage has been done by our agricultural colleges. But it still is not possible to put down exact directions in black and white. There are so many varying factors: maturity of the crop, moisture in the atmosphere, in addition to type of equipment and preservatives available.

The first cutting of alfalfa at Kansas State College, Manhattan, went into the silo this year. The crop was first wilted in the field. Then about 200

pounds of corn-and-cob meal was added with each ton of green hay. Between 100 and 200 pounds of chopped grain is recommended. This is perhaps the safest and one of the best ways to make grass silage, but it is relatively expensive, too. This year in particular, farmers are trying to save on corn and other feed grains.

We asked Mr. Beck the same questions which had been asked us by farmers. His answers were backed by experiences they have had at Kansas State College as well as reports from other stations.

In the first place there seems to be little doubt about the maturity of a crop when putting it in a silo. The same formula used for hay applies to silage. Mr. Beck pointed out that silage can be no better than the quality of the crop ensiled. A crop contains the most protein and carotene during its most rapid stage of growth. For that reason it should be ensiled before maturity.

Best Time for Silage

In general alfalfa is ensiled when in early-bloom stage. Second-year sweet clover is best in pre-bloom or early-bloom stage. Cereal crops may be cut for silage in the bloom to milk stages, except rye which should be cut before the head emerges from the boot.

Most farmers agree with those recommendations. But they differ on moisture. Experimental work indicates 65 per cent humidity is ideal, 60 to 70 is recommended. But how can you know when your crop has reached the recommended stage, not to mention the ideal?

There are humidity testers on the market, and a plunger-type tester can be made at home. A new calcium-carbide tester is now available that costs about \$50. With it an exact reading can be obtained in 10 or 15 minutes. But even when an exact humidity test is made, it is hardly good for all day. Hay will dry better at noon than either in the early morning or late evening. A certain amount of guesswork still is necessary.

Can Tell by Feel

Testing humidity by feel may be as good a way as any. Crunch a handful of hay. If it is soggy and does not expand when releasing, it is too wet. If it fluffs back slowly like good bread when you squeeze it, the hay is about right for ensiling. But should the hay be crackly and expand rapidly when releasing, it is too dry.

The dairy department at Kansas State College recommends the use of moisture control regardless of the type of preservative used. Even when using molasses or chopped grain, the feed seems to make better ensilage when moisture is kept between 60 and 70 per cent. But they do not recommend that farmers depend entirely on wilting. Altho good feed can be made in that way, addition of molasses or chopped grain eliminates some of the chances of losing feed.

Altho wilting is recommended regardless of the preservative used, specialists recommend putting the last several feet in the silo green. This should be smoothed out and packed well, especially around the walls of the silo. It might even be well to tramp the last few feet as Mr. Gast has suggested. Heavy, unwilted hay blown on top tends to weight down the upper portion of the ensilage. And packing it thoroly tends to reduce spoilage on top.

In dairy rations, grass silage has been used as the sole source of roughage. But results were generally more satisfactory where some hay was fed, too. Beef feeders have had good results feeding grass silage alone. But Lot Taylor, extension specialist in animal husbandry, points out it is a waste of good feed. A steer may do well on grass silage alone. But he consumes more food value in grass silage than he can utilize efficiently.

Grass silage is as old as Caesar, but only in recent years has it gained in popularity to such an extent that many farmers are becoming curious about it and trying it for themselves. It adds safely to roughage harvest during rainy weather and in many regions it can become an important component in soil conservation.

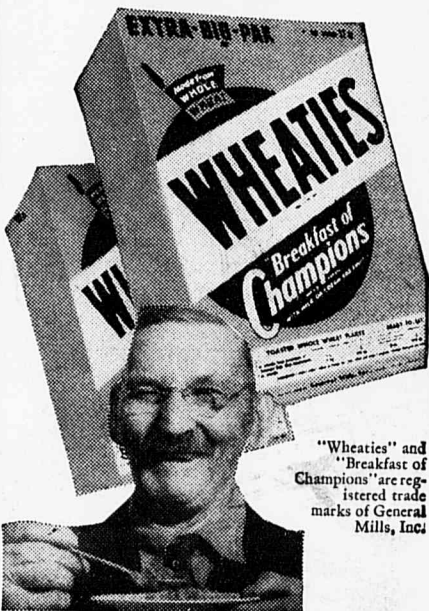
In addition you have excellent feed. With adequate grass silage properly preserved, it may be possible to provide spring pasture in any month of the year.



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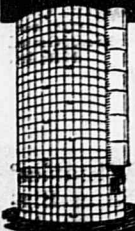
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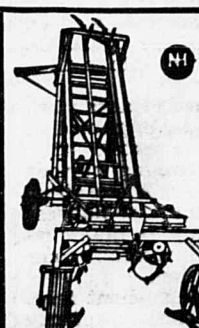
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Remodel Farm Home

Drew Own Plans for Complete Renovation



As the house looks today. Mrs. Lewis drew all the plans for remodeling and both Mr. and Mrs. Lewis helped with the work. Landscaping of grounds is a future project.

A 2-YEAR farm home remodeling project is just about completed for Mr. and Mrs. Harold E. Lewis, of Allen county.

When the Lewis' moved onto the farm 2 years ago they found an old 2-story frame house that had about the dimensions they wanted, and that was all.

Mrs. Lewis got busy and drew up plans for a complete remodeling job and they got to work. "By living in the house while remodeling you have to put up with a lot of things," says Mrs. Lewis, "but you have a much better idea on what changes to make."

A new foundation under the entire house was the first project and some of the old sills were replaced inside. All of the windows in the house were replaced and relocated to modernize the appearance and add to the comfort of the place.

Since a new roof was required, Mrs. Lewis redesigned the house for 1½ stories. The upper part is not being finished now but is arranged for future bedrooms should they want them.

Some of the partitions were relocated and some of the doors changed to improve room sizes and arrangement. An old porch on the north, that opened into the small kitchen, was torn off, and this section of the house completely rebuilt. Now there is an enclosed entrance porch on the west side of the kitchen to permit "washing up" before coming into the house. The kitchen proper was made into a more convenient size and a utility room added on the east. This utility room is arranged so Mrs. Lewis can use it from outdoors, the kitchen, or the first-floor bedroom. "It will save a lot of steps if I don't have to walk clear around the house to get into the utility room," she says.

Altho there was electricity to the old house, the system had to be completely rewired and new fixtures and outlets installed. Chimneys were relocated and rebuilt and all the woodwork had to be refinished.

As soon as a more adequate water supply can be established, Mr. and Mrs. Lewis will install a water system in the

house and complete the kitchen with built-ins. A future bathroom was provided for in the remodeling. Other improvements to be added include a gas floor furnace for central heating and double flooring in some rooms.

Grounds around the house also will get a thoro improvement. Old walks will be torn out and new ones put in. The old front gate will come out and visitors in the future will come to the front door from a walk to the side drive. All of the yard will be refenced. In the back the fence will be reset to include a storage cave inside the yard. At present it is necessary to go thru a gate to reach it. Landscaping around the house and grounds will be done next spring.

Large Fields of Clover

If you want to see sweet clover in large quantities visit H. W. Mollhagen, in Ellsworth county. Mr. Mollhagen and son, Stanley, go for sweet clover in a big way. They seeded well over 100 acres in the spring of 1946 and seeded another 80 acres last spring. And they are getting something in return for their efforts.

Stanley owns 3 quarters of hill land. It isn't the best land in the world. It cost him \$27 an acre. He seeded 100 acres of it in sweet clover in 1946 and was reaping the first harvest this summer. The clover was windrowed with a header then picked up with a combine. Stanley says he lost quite a bit of the seed but it still made 4 bushels an acre. He figured his return would be about \$35 an acre from \$27 land. Besides that he was able to use it as pasture for his beef cattle.

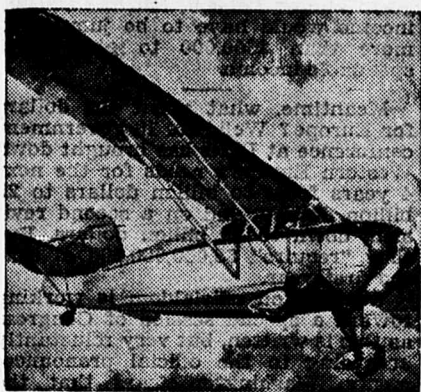
In January of 1946 a 10-acre tract of wheat on the Mollhagen farm was beginning to blow. They attempted to save the crop by going over it with a drill. While going over it they dropped some sweet clover and got a fair stand. The wheat went on to make 30 bushels an acre last year and this spring they had a crop of sweet clover that was turned under for green manure. It will be seeded to wheat this fall. It should boost wheat yield.



This is the farmhouse that Mr. and Mrs. Harold E. Lewis, of Allen county, chose to remodel when they purchased the farm they now operate.

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Marketing Viewpoint

By C. P. Wilson, Livestock; Paul L. Kelley, Poultry, Eggs, and Dairy.

What are the chances of a general depression in the next six or eight months?—C. F. N.

If by "depression" you mean a broad, general decline in the price level, there is little chance during the next six or eight months. Too many factors indicate continued high prices. Deferred demand for durable goods in the domestic market and for both producer and consumer goods in the foreign market is maintaining high levels of production, employment, and incomes in this country. High incomes backed up by large savings and credit resources can maintain high prices for some time. Fifteen million more people are gainfully employed now than before the war. Wage rates are about twice as high. Farm income is more than 3 times as high. Corporate profits are 3 times as high. People are buying many durable goods such as automobiles, household equipment, farm machinery, etc., which they could not buy during the war. It is no small job to produce the goods which were not produced during 4 years of war plus normal replacements plus the needs of new users. This in itself would provide a good business boom. In addition, the needs of war-torn areas for food and production equipment is great. If dollars are made available thru the Marshall plan or in any other way, exports will be large, which will provide that much more purchasing power in this country.

Eventually, a declination will occur. Prices are going up about as fast as production and, in recent months, more rapidly than incomes. People will not continue to buy larger and larger quantities of goods at higher and higher prices. Sometime consumers will begin to run out of dollars or will begin to save their dollars rather than spend them. When that occurs, prices will come down. It is difficult to say when that will occur, but it does not appear likely in the next 6 or 8 months.

I will have about 900 bushels of corn this fall. How should I dispose of this corn to get the best returns from it? I have 28 head of 125-pound shoats but no other stock.—E. E. P.

Corn will be good property during the coming year and any way in which it can be fed efficiently should provide good returns. Economic conditions are expected to be well maintained for at least another 6 months. The thing to be most cautious about is not to pay too high a price for feeder stock which you buy to feed. Feeding out the shoats now on hand probably would be profitable but it would seem advisable to avoid selling on the December market. The general level of hog prices is expected to hold up well into 1948 but seasonal influences are expected to cause prices to decline from now until December. Feeder pigs probably can be purchased to advantage in late November and December. Feeder cattle and lambs probably can be purchased to advantage during the next 2 or 3 weeks, particularly if general rains do not occur to assure wheat pasture in western Kansas this winter.

What is likely to be the trend of butterfat prices during October?—S. O.

It is probable that butterfat prices will continue to strengthen seasonally during October. Price advances will be more erratic than during recent months and periods of adjustment to consumer reactions should be expected. The per capita supplies of most dairy products are still small in relation to the strong demand for dairy products. Butter production has been declining in recent weeks due to the sharp drop in milk production. Statistically, butter is in a strong position with production at a rate smaller than last year and with storage supplies about one half as large as average.

Cotton Coming Back

A smaller than average cotton crop was harvested this year, according to the U. S. Department of Agriculture, but the crop is larger than in 1946.

The 1947 crop is estimated at 11,844,000 bales, compared to 8,640,000 bales in 1946. However, the crop falls short of the 1936-45 average by 546,000 bales.

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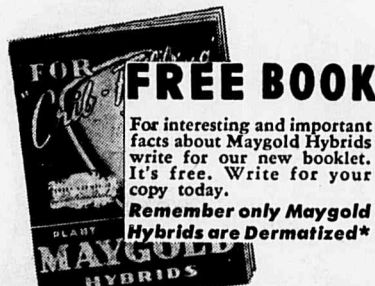
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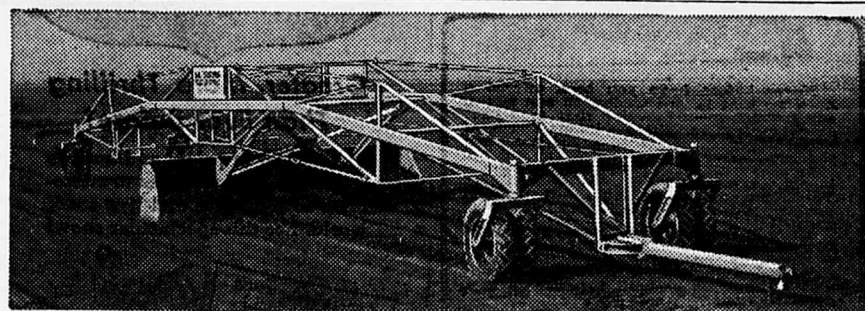


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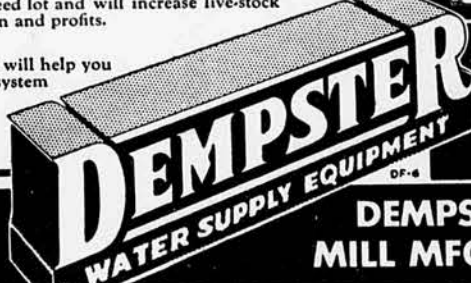
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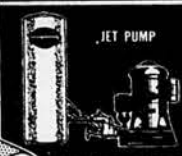
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Elsewhere It's Inflation

(Continued from Page 8)

There, in two sentences, you have the basis of the inflation that is spelled in present high prices.

Here is the food picture as seen by city consumers, going back to immediate prewar years (when farm prices were unduly low, but what does that matter now to the city housewife) as shown recently in a national magazine of high repute:

Prewar beef, 29 cents a pound; now 68 cents.

Prewar pork, 22½ cents; now 52 cents.

Prewar eggs, 29 cents dozen; now 67 cents.

Prewar chicken, 30 cents pound; now 50 cents.

Prewar butter, 35 cents pound; now 92 cents.

Prewar cheese, 26 cents pound; now 55 cents.

Prewar milk, 11½ cents quart; now 19 cents.

Prewar bread, 9 cents pound; now 13½ cents.

Prewar oranges, 30 cents dozen; now 45 cents.

Prewar potatoes, 2½ cents pound; now 5 cents (and potatoes not in short supply; potatoes only item in list on which price is being held up by Government price support program).

Foregoing is just to show the city consumer's angle on high prices. He (better she) is blaming the farmer, the "profiteer" and the speculator. Government is assisting by blaming (and bringing or threatening suits against) the "profiteer" and denouncing the speculator.

However, few Government agencies or officials mention spendable money as having anything to do with the matter. Government issues the money; Government expenditures cause inflation of the currency, especially when the expenditures are paid with borrowed money. There are more dollars loose in the country than ever before. How many more?

Well, here are some figures dealing with dollars.

As Henry Hazlitt (Business Tides in Newsweek) mentioned last week, total demand bank deposits and currency outside the banks increased from \$33,360,000,000 between June of 1939 and June of this year (it now is in excess of 112 billion). That is more than three times as much spending money as in 1939.

The production of goods which the money will buy has not increased anything like three times in that period. And much of the increased production of goods has been sent abroad. During fiscal year ending June 30, 1947, exports in dollars were about \$12,000,000,000 more than imports received.

"The \$12,000,000,000 we distribute in wages, salaries, and profits in turning out these excess exports are an addition to monetary purchasing power not offset by additions to American goods," comments Mr. Hazlitt. "On top of the basic increase in monetary purchasing power, these excess exports have been the main cause of the recent additional increase in prices."

Dollar incomes of all Americans this calendar year will be in excess of \$200,000,000,000.

But Governments' tax collections from all Americans will be in excess of \$50,000,000,000.

In other words, one dollar of every five earned and received by all Americans goes to Uncle Sam in taxes, one in every four when state and local taxes are included.

What does this combination of high taxes and high prices (due in large part to the high taxes and high Government expenditures) mean to John Q. American?

Well, just about this, applying it to a married man with a wife and two dependents:

This John Q. American who earned \$1,200 in 1939 would have to get better than \$1,900 this year to buy as much goods and services as he bought in 1939.

The \$1,800 income of 1939 would have to be \$3,108 in 1947 to provide the same spendable income.

The \$2,500-income man of 1939 today would have to receive better than \$4,500 to buy the same amount of goods and services he could buy in 1939 with his \$2,500.

It takes this year an income of \$5,500 plus to equal the \$3,000 income of 1939.

Going into the higher brackets, the income tax really begins to bite. The \$10,000 income of 1939 would have to go to almost \$22,500; and the \$50,000 income would have to be jumped to more than \$300,000 to give equal spendable income.

Meantime, what about the dollars for Europe? Well, the 16-government conference at Paris has brought down Western Europe's needs for the next 4 years from 30 billion dollars to 22 billion dollars, and on a second revision, down to 19 billion dollars. But they "require" \$8,000,000,000 of that the first year.

Washington officialdom is working toward a special session of Congress as this is written, but very reluctantly according to the official pronouncements, Washington fears that the country is becoming more and more reluctant to continue the flow of dollars to Europe. Senators Taft and Vandenberg want an "accounting" of the 20 billions already contributed since the war ended. Senator Reed of Kansas says it is fantastic for the United States to supply coal to Britain while British miners refuse to dig coal.

But Congress is expected to appropriate a stop-gap of perhaps a billion for Italy, France and Britain, before passing on the totals to be contributed under the Marshall proposal—whatever it is when finally presented to Congress.

Secretary Anderson of Agriculture has notified that grain shipments to Europe for this market year will have to be materially reduced—from 575,000,000 bushels to 400,000,000. State Department doggedly insists that 560,000,000 bushels "is a must" but shows signs of compromising at 500,000,000.

Whichever amount finally is determined, it looks as if grain prices, and everything into which grain goes before reaching the food stage, will continue high for many months to come, and that of course includes meats, and milk, as well as bread.

Senator Bob Taft of Ohio drew bar-rages of criticism for stating bluntly that supplying the food needs of Europe means that Americans must "eat less." But the entire foreign-aid program means just that, only the Administration proponents call it "voluntary conservation of food."

For exports, the U. S. selling price on wheat ranges now from \$2.70 to \$2.90 a bushel. Canada sells to Britain for \$1.55 a bushel and takes pounds; to other nations, as high as \$2.97 a bushel. Argentina is exporting for \$5.90 a bushel, and demands payment in American dollars; the Argentine government pays its farmers \$1.40 a bushel, and they are planting less wheat.

The Top Judges

Following are results in the Kansas Farmer dairy judging contest at Kansas State Fair, Hutchinson:

Brown Swiss—First, F. M. Webber; second, Earl Webber; third, Donald Rudick. High team, Central District. Ayrshire—First, Chester Unruh; second, Walter Hand; third, Verne Gottlob. High team, South Central District.

Guernsey—First, W. W. Graber; second, Earl Unruh; third, E. D. Hershberger. High team, South Central District.

Holstein—First, Richard Evans; second, Earl Boyle; third, Leo Holsteler. High team, West Central District.

Jersey—First, Dean Thorsen; second, Boyd Micheals; third, Hugh Wilk. High team, Northeast District.

Milking Shorthorn—First, Leon Gordon; second, Herb Ediger; third, H. R. Lucas. High team, Southwest District.

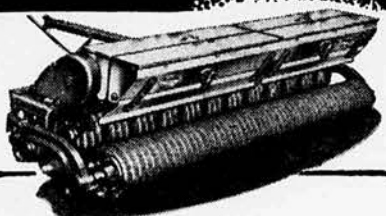
Williams Is Dean

Appointment of L. C. Williams as dean and director of the Kansas State College extension service became effective Monday, September 29, it was announced by President Milton S. Eisenhower, following confirmation by Clinton P. Anderson, Secretary of Agriculture, and the state board of regents.

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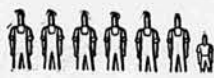
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IN THE FIELD



Jesse R. Johnson
Topeka, Kansas
Livestock Editor

and MIKE WILSON, Livestock Fieldman.
Muscatine, Kansas.

FRANK V. LILE, prominent Ayrshire cattle breeder and sale manager, of Bellefontaine, O., will give a silver trophy to the person who breeds and exhibits the best Ayrshire female at the Kansas State Fair in 1948. Mr. Lile managed the Meade-Ayre Farm Ayrshire sale held at Meade recently. And expressed himself as highly pleased with the results of this sale and somewhat surprised at the progress of the breed in Kansas.

M. B. DUSENBURY, of Corbin, was at the Kansas State Fair this year with a good string of his high-testing and classified Ayrshires. Mr. Dusebury, formerly of Anthony, established this herd 21 years ago when he became interested in 4-H work. He began testing for production in 1928 and, except for part of one year, has had the herd under continuous test. The herd also is classified regularly. The herd has a yearly test of 392 pounds butterfat.

A small crowd of buyers and visitors attended the EVERETT SPERRY HAMPSHIRE sale held at Lawrence, August 28. Weather and general conditions were responsible for the small crowd as quality of the offering generally was good. The boars averaged \$50.56 and the gilts \$47, all well above fat hog prices, but low from a breeder's standpoint. It was strictly a farmer's sale. The top was \$66, paid by a Mr. Foster, of Topeka. Col. George Criss was the auctioneer.

Poor corn prospects in both Kansas and Missouri interfered with better prices at the GLENN F. WISWELL POLAND CHINA sale held at the farm near Spring Hill, August 26. The 19 bred gilts sold for an average price of \$80. Local demand was cut because of conditions as related above. The 20 head of registered Milking Shorthorns sold very well, considering, with cows going up to \$215 and heifer calves topping at \$132.50. Among the buyers were M. R. Stallard, of Onaga; J. R. Breed, Olathe; and Clyde Flagg, of Overbrook. Bert Powell was the auctioneer.

HAVEN HOLLOW FARM, located a few miles north of Manhattan, is the home of one of the good registered Duroc herds of the state. Fred C. Germann and the owners and managers of this breeding establishment are not what might be called "fair-weather breeders." They are in the business of producing better Durocs for the trade and their confidence in the business leads them to go forward instead of following the quitters. The fall litters are now arriving, with 83 pigs to date from 11 sows. This, with a big lot of fall pigs and boars, make up the stock now on hand. Fred, junior member of the firm, has enrolled at Kansas State College.

It is a good story within itself that the BRETHOU BROTHERS, of Green, have been able to acquire 2,500 acres of Clay and Riley county land during the generation in which they live, but the story behind the story is that it was Hereford cattle that made the thing possible. The brothers are natural cattlemen and early learned that the best bulls were none too good. Noting what good Hereford bulls did in their grade herd, they founded a registered herd nearly 40 years ago. Each year the best heifers were reserved for their own breeding plant and every time a new herd bull was purchased he had to be better than the one that preceded him. From 150 to 200 breeding cows are kept on the farm. A plan of crop rotation is practiced and 40-bushel corn has been grown on the farm this year.

Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$32.00	\$32.50	\$19.90
Hogs	29.00	28.75	15.95
Lambs	23.50	24.75	19.00
Hens, 4 to 5 lbs.	18½	17	27
Eggs, Standards	47	42½	44
Butterfat, No. 1	73	74	84
Wheat, No. 2, Hard	2.89½	2.72	2.12
Corn, No. 2, Yellow	2.36	2.50	1.88
Oats, No. 2, White	1.14½	1.21½	.86
Barley, No. 2	1.71	1.78	1.37
Alfalfa, No. 1	32.00	30.00	31.00
Prairie, No. 1	18.00	18.00	19.00

• AUCTIONEERS •

COL. CARSON E. HANSEN

Your Auctioneer
Purebred Livestock, Farm Sales, Real Estate. A World War Veteran. Your business appreciated. Phone, wire or write.
BELOIT, KANSAS

Willis A. Darg, Auctioneer
Purebred livestock, real estate and farm sales. Available for ring work. Bennington, Kansas

Charles W. Cole

Livestock Auctioneer
WELLINGTON, KANSAS

Frank C. Mills, Auctioneer
Alden, Kansas

Ross B. Schaulis, Auctioneer
Purebred Livestock, Real Estate and Farm Sales. Ask those for whom I have sold.
CLAY CENTER, KANSAS

Beef CATTLE

SHORTHORNS For Sale

Good young cows and heifers bred to Son of Prince, a Merryvale bull. Also serviceable age bulls, sired by College Premier 3rd, a Kansas State College bull. We are reducing our herd because of the acute feed shortage. Investigation invited. Farm 1½ miles west of Kinsley.

R. J. CROCKETT & SONS
Kinsley, Kansas

RALSTIN'S SHORTHORNS

For Sale: Dark colored Bulls sired by Edellyn Dealer. 20 bred Females.

CLARENCE H. RALSTIN
Mullinville, Kansas

Offering Reg. Quality Polled Shorthorns

Rugged yearling April Bulls. Visit or write
HATH-A-WAY FARMS
C. R. Johnson, Sylvia, Kansas

BEEFMAKER BULLS

Are Breed Improving Aberdeen-Angus Bulls—Come see the proof—their calves. Herd Battery—Six bulls in use. The top Aberdeen-Angus bloodlines and definitely reproducing their own kind. Comparison is invited with any other cattle. The "Jingle" in your pocket will warm the heart. Use them and prosper. Inquire of C. E. REED, 4114 East Central Ave., Wichita 6, Kansas. Telephones 68313 residence; farm 5-3888.

Polled Hereford Bull Offered

Aster Domino 20th, 4 years old and registered. M. P. Domino breeding. A-1 quality.
J. A. MILLER, Quinter, Kansas

HOGS

CHOICE DUROC GILTS

Sired by Top Crown by Crown Prince, Illinois Champion and bred to Quality Lad and Gold Crown. Both have quality and color. Gilts are dark red. Good quality. Also two fall boars and spring pigs by Top Crown.
B. M. HOOK & SON, Silver Lake, Kan.

Shepherd's Superior Spring Boars

Sired by Lo Thick Master and Super Spot Light (top boars coming to Kansas in '46). These are growthy, real red, very thick, deep, smooth bodies, great hams, low set, none better. Immured and guaranteed to please. See them or write us before buying your boar. Kansas' oldest herd. G. M. SHEPHERD, Lyons, Kan.

REGISTERED DUROC BOAR

Sired by Lo Thick Master, February Farrow.
J. L. Brown, Rt. 1, Bx. 68, Wichita, Kan.



Registered Blocky
Type Pigs
PETERSON & SONS
Osage City, Kansas

WHITE STAR FARM

Chester White spring boars, Champion bloodlines
JULIUS PETRACEK & SONS, Oberlin, Kan.

REG. SPOTTED POLANDS

Spring Boars and Gilts. Visit or write Sunnybrook Farm for prices and description. All hogs double immune.
H. E. HOLLIDAY, Richland, Shawnee Co., Kan.

ETHYLEDALE FARM

Herds Sires
BRIGHT GLORY
SPOTLITE SUPREME
SPOTLITE JR.
100 fall pigs, boars and gilts, ready for new homes.
Dale Scheel, Emporia, Kan.

BERGSTEN'S Improved HAMPSHIRE

Now offering outstanding spring boars. Immured and registered new blood for old customers. "The Showpiece" and "Contests Ideal." Also open gilts.

R. E. BERGSTEN & SONS, Randolph, Kansas

Berkshire Boars, Yrl. Oxford Rams

All registered. Serviceable boars and gilts, unrelated, by War Eagle Lad, Bar None Supreme, from Duchess Chatter, Black Girl sows. Write, special prices.
FRED M. LUTTRELL, Paris, Mo.

October 18 Will Be Our Next Issue

Ads for the Classified and Livestock Section must be in our hands by

Saturday, October 11

RELIABLE ADVERTISERS ONLY

are accepted
in Kansas Farmer

HOGS

Annual F. F. A. Boar and Gilt Sale

**Selling Five Breeds on
Thursday, Oct. 16—1 P.M.**

Sale will be held in the purebred livestock sales pavilion just back of the TRANSIT HOUSE in
South St. Joseph, Mo.

60 Head—25 Boars and 35 Gilts:

They are carefully selected for this sale and are consigned from 8 of the leading F.F.A. Chapters in Northeast Kansas and Northwest Missouri. They are all registered, all top quality and have health certificates. Each chapter will bring out its best for this sale.

Selling Durocs, Spotted Polands, Chester Whites, Hampshires and Berkshires.

For sale catalog write to **HENRY BAKER**, Agricultural Agent, Chamber of Commerce, 209 North 5th St., St. Joseph, Mo.

Auctioneer: Bert Powell
Donald Bowman with Kansas Farmer

Come to Seneca, Kan.

ALEXANDER'S DUROC SALE

Friday (Night), Oct. 10

50 Strictly Top Boars and Gilts

25 BOARS—25 GILTS

The Blood of Lo-Down Fancy

Bred and bred for future usefulness. No bred sow sale by top open gilts now.

Catalog upon request

FRANK ALEXANDER
Corning, Kansas

HOLD EVERYTHING POPP'S DUROC SALE

Fair Grounds

Hutchinson, Kan.

Wednesday, October 8

(Night Sale)

35 Top Boars and Selected Gilts
Sows bred for late farrow to boars of quality and noted bloodlines.

Catalog waiting for you sale day.

Herman Popp, Haven, Ks.

Aucts.: Harold Tonn and Gus Heldebrecht

BARROW SHOWS PROVE

Chester Whites, kings of the Show Ring, Feed Lot, Packer's Block. For more hog profits, raise the kind packers prefer—Chester Whites. Write for Free Facts.

The Chester White Swine Record Ass'n
Levi P. Moore, Sec'y, Rochester, Ind.



DUROC BOARS AND GILTS

Some sired by Nebraska Grand Champion. Others litter mates to Champion Barrow.

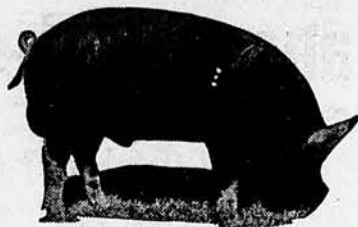
WILLARD H. WALDO
DeWitt, Nebraska

NOW OFFERING

Outstanding Duroc Boars and Gilts
Of March and April farrow. Choice individuals and popular breeding. Priced to sell.

Howard C. Tallafarro, Leon, Kansas

Kansas Berkshire Show and Sale



A show and sale of registered Berkshire hogs including some of the prize winners at the State Fair, sons and daughters of both the '46 and '47 State Fair Grand Champion boars, of the \$500 Foremost Star, and many other well bred hogs. A few bred gilts will also be included. Individuals suitable for both purebred and commercial herds will sell at your price.

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

Judge: C. E. Aubel of Kansas State College.

Auctioneer: Harold Tonn, of Haven, Kan.

Fieldman: Jesse R. Johnson, Kansas Farmer

Date: October 15, at Fairgrounds, Salina, Kansas

For catalog write Kansas Berkshire Association, Kenneth Bohmenblust, Sec., Bala., Kan.

If unable to attend the sale, contact one of the following breeders when in need of good breeding stock.

J. Frank Cox & Sons, Richmond
Harold Seglem & Son, Towanda
George Carpenter, Clay Center
Lorn Gates, Aurora
T. F. Guthrie, Saffordville
Paul Hatcher, Arkansas City
Marilyn Schacht, Lorraine
Edgar Krenke, Holyrood
Paul Volkland, Bushton
Cecil J. Gilmore, Ottawa
Earl Boyts, Harper
Forrest Nolder, Newton
Chas. F. M. Stone, Whiting
Melvyn F. Deckard, Atchison
John Hamon, Valley Falls
J. T. Sales, Valley Falls
Mervin Troyer, Duquoin
Gordon L. Gorrell, Centerville
W. J. Saunders, Pleasanton
Merle Skinner, Peabody
Woodrow Moberly, Elk City

Jake J. Vogt, Moundridge
John P. Zimmerman, Conway
Wm. Petersilie, Jr., Ness City
Larry Allen, Minneapolis
T. E. Frain, Minneapolis
Marlow Peterson, Ada
Oscar Odell, Scandia
Herbert W. Buller & Son, Buhler
Alfred W. Collmann, Haven
Headings Bros., Hutchinson
Otto Stelter, Haven
Leland Wiebe, Haven
Henry Wiebe, Haven
Dan Bohnenblust, Riley
Kenneth Bohnenblust, Bala
Lawrence Bruenger, Broughton
Cecil McCullough, Derby
Sam L. Murray, Valley Center
Roy Tucker, Smith Center
R. J. Norris & Son, St. John
Ralph Barnett, Gem

Fifth Kansas Jersey Cattle Club State Sale

Fair Grounds

Tuesday, November 4 — Hutchinson, Kan.

This should be the best State Sale ever held in Kansas. The safest place to buy cattle at auction. 50 Head of Carefully Selected:

YOUNG COWS
BRED HEIFERS
OPEN HEIFERS
Prospects for 4-H Work
YOUNG CALVES

To be for sale to boys and girls only

RAY SMITH, Sec. Kansas Jersey Cattle Club, Rt. 2, Hutchinson, Kan.

Auctioneer: Bert Powell

A selected offering from leading Kansas herds. The quality of cattle that cannot be purchased at private treaty. Picked from the best herds in the State of Kansas by A.J.C.C. Fieldman, W. J. Keegan and a committee of Kansas breeders.

For catalogs write:

Buy Easy Feeding Durocs—

In Our First Boar and Gilt Sale

Tuesday, October 21 — 1 P. M.

Sale held in the Purebred Livestock Sales Pavilion just back of the Transit House in

South St. Joseph, Missouri

40 HEAD SELLING—18 Boars and 22 Gilts: They are sired by Red Special 1st and Silver Star. Out of dams of Kant-Better, Tops All, Orion Compact, Victor Orion and Thick-Set-Orion.

If you are looking for good Durocs plan to attend this sale. We would be pleased to send you a catalog.

ARTHUR STONE, Box 114, Inza Sta., St. Joseph, Mo.

Auctioneer: Bert Powell



At the Kansas State Poland China Sale

October 18—Hutchinson, Kan.

Super Bomber—sired boars and gilt litter mates to Junior Champion gilt at Hutchinson State Fair.

HARRY L. TURNER, Harper, Kansas

Poland China BOARS AND GILTS

Spring boars ready for service, also gilts unrelated, double immune, sired by Full Measure, Blue Dude, Black Wave and Revision. Priced at \$75 each while they last.

A. L. WISWELL & SON, Spring Hill, Kan.

HOGS

Poland China Boar and Gilt Sale

Silver Lake, Kan., Oct. 8

40 HEAD

20 Boars and 20 Gilts

Including most of our Show Herd that we have won so many prizes with on the 1947 Fair Circuit. This offering carries outstanding individuality and the most popular breeding. For catalog write

Gordon McLin & Son

Silver Lake, Kan.

Mike Wilson, Auctioneer
Jesse R. Johnson, Kansas Farmer

Goldberg's Spotted Poland Sale Oct. 17 (Night Sale) Shenandoah, Iowa

A select top offering of boars and gilts (low down and thick), most of them weighing 300 lbs. by sale day. The kind for both farmers and breeders. I expect them to sell at farmers prices. Mail bids will be handled by auctioneer and satisfaction guaranteed.

Send bids in my care. Write for sale catalog.

LUTHER GOLDBERG, Essex, Iowa



Come Oct. 8 to Mound City, Mo.
to Buy Top Spotted Polands

BUCKLES & IDEKER SELL

(Sale up town in tent.)

58 Quality Spring Boars and Gilts

30 Boars—28 Gilts. Sired by Tops All, Improver Lad, and Ideker's Choice. These spots have made good in the past—you will like them. Cholera immuned. Write either owner for catalog—

J. A. BUCKLES and HERMAN IDEKER
Mound City, Mo.
Auct.: Donald J. Bowman, Hamilton, Mo.

Boar and Gilt Sale

**Durocs and
Spotted Poland Chinas**

Fairbury, Nebraska
Monday, October 27

The Farmer's Kind for the Farmer
Write for catalog.

WAYNE L. DAVIS, Mahaska, Kan.

SPOTTED POLAND SPRING BOARS

For sale. Good thrifty pigs, sired by Right Model by Right Type from Plus Quality dams. Priced to sell. See or write

RANDALL TUCKER, Codell, Kansas

YORKSHIRE HOGS

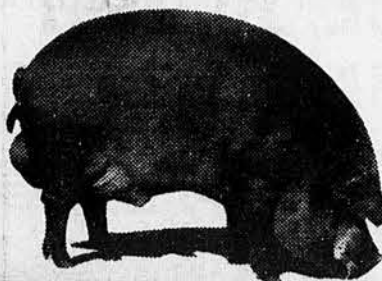
The lean-meat, post-war breed. Bred gilts, unrelated pigs. Write for illustrated circular.

Yalehurst Farms, Peoria, Illinois

HEREFORD HOGS Expressed C. O. D. subject to your approval. High-winning herd National show. Bred gilts. Boars. Unrelated pigs. Circular.

YALEHURST FARMS, PEORIA, ILL.

QUALITY DUROC SPRING BOARS



We are now offering for sale Duroc Boars of top quality sired by the top son of Kehl King, also by Admiral and Victor Ace. These boars are of good type, well grown and ready to go out and do good for their new owners. They are cholera immune. We also have plenty of new blood for our old customers who have purchased breeding stock from this herd for several years. Priced to sell.

ARTHUR E. ROEPKE
Waterville, Kansas

Buy Miller Durocs for Profitable Pork Production

40 Head Sell on Friday, October 10, 1 p. m.



At farm 11 miles south of Alma, Kan., on gravel road. **30 BOARS—10 GILTS:** Selected with discrimination for this sale. Sired by Super Sensation, Knockout, Lo-Down Fancy and Fancy Thickset. This sales offering of March and April farrow has been raised on clean ground and fed a balanced ration. Plenty of new blood for previous buyers. We have pleased both breeder and farmer and invite inspection of our sales offering. Write quickly for catalog to

CLARENCE MILLER, ALMA, KANSAS
Mike Wilson with Kansas Farmer

Auctioneer: Bert Powell

100 Ayrshires at Auction

Young cows, bred heifers, open heifers, 4-H heifers and a few choice bull calves. Selected from outstanding reg. herds of Kansas.



Second Annual Sale -- Northeast Kansas Dist.

Civic Center Building

Horton, Kan., Oct. 20, Night Sale, 6:30 P. M.

Consignments
from
these
breeders:

George Fuller, Whiting
John C. Keas, Effingham
Harry Tannehill, Clay Center
James R. Thomas, Tonganoxie
Joe Fuller, Whiting
Chester Unruh, Hillsboro
Gilbert & Karl Scholz, Huron
Irvin Dannenberg, Hiawatha
Raymond Landes, Hamlin
Otis Reece, Lancaster
Donald & Esther Alford, Lawrence
W. S. Watson, Hutchinson, Rt. 2
Richard Scholz, Lancaster
Raymond Scholz, Lancaster
Jack Zeek, Effingham
Dale Gigstad, Effingham

For information and catalog write Richard Scholz, Lancaster, Kan., or Tom P. Whittaker, Sales Service, Brandon, Vermont.

4th Annual Sale -- Central Kansas Dist.

State Fairgrounds

Hutchinson, Kan., Oct. 22, Night Sale, 6:30 P.M.

Consignments
from
these
herds:

Chester Unruh, Hillsboro
Harrison Unruh, Hillsboro
Alvin Penner, Hillsboro
P. H. Penner, Hillsboro
Dave Kasper, Hillsboro
W. C. Ainsworth & Son, Elmo
R. E. Stark, Abilene
Dwight Hull, El Dorado
Johnson & Beat, Wellington
M. B. Dusenbury, Corbin
Roy Rinehart, Greensburg
Frank Schrock, Sterling
Fred Strickler, Hutchinson, Rt. 3
W. S. Watson, Hutchinson, Rt. 2
Royal Hendershot, Haven
C. L. Henderson & Sons, Hutchinson
G. Fred Williams, Hutchinson
Herb Buller, Hutchinson

For information and catalog write G. Fred Williams, Hutchinson, Kan., or Tom P. Whittaker, Sales Service, Brandon, Vermont



50 Reg. Guernsey Cattle At Auction

Fifth Annual Kansas Guernsey Sale, Fair Grounds
Topeka, Kan., Friday, October 17

Consignments from leading breeders in

Kansas, Oklahoma, Missouri, Mississippi, Iowa and Nebraska

5 BULLS—15 COWS—15 BRED HEIFERS—15 OPEN HEIFERS
In addition, 15 selected open heifers will be offered for 4-H and F.F.A. projects, bidders being limited to bona fide 4-H and F.F.A. members residing in Kansas.

For catalog write to: W. G. RANSOM, Jr., Secretary
Kansas Guernsey Breeders Association, Homewood, Kansas
Auctioneers: Bert Powell and Chas. W. Cole Mike Wilson with Kansas Farmer

O'BRYAN RANCH, Hiattville, Kan. Sell Hampshires, Saturday, Oct. 25

100 Open Gilts—25 Spring Boars—Several Bred Gilts
These are barrow champion winner type. The production tested registered Hampshire you like so well is produced here. Come see us or write for sale catalog. Hiattville is 40 miles southeast of Iola, Kansas.



An All-Selected Offering from 46 Kansas Holstein Breeders, in 5th Annual

Kansas State Holstein Sale

Abilene, Kansas
Monday, October 27

75 HEAD

65 Females; cows, bred heifers and open heifers. 60 completed records on the dams of females consigned averaged 486 lbs. fat 2 X actual. Many of them are 2-year-old records.

10 Herd Sires, selected for type and production. The average classification score on their dams 85.4. The average of the 10 dams' records are 576.5 fat, all 2 X, and 3 of the records in heifer form.

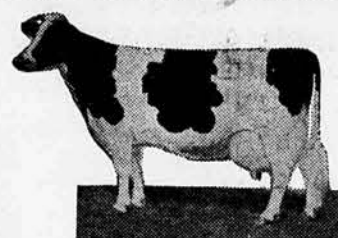
SPECIAL 4-H SALE

15 Heifer Calves, 4-H, at 11 o'clock. For Kansas boys and girls only.
Attend this breed promotion sale October 27, Abilene, for the best in Kansas Holsteins. Sponsored by the

Holstein-Friesian Association of Kansas

The sale committee: John Heersche, chairman, Mulvane; H. A. Meier, Abilene, George E. Stone, Sharon, Kansas.
Make reservations, Hotel Lamer, Abilene.

Watch October 18 issue of Kansas Farmer for more information.



Brown Swiss at Auction

BRADENHURST COMPLETE DISPERSAL

Topeka, Kansas, Thursday, October 23

Promptly at 12:30 at the Topeka Fair Grounds



JANE OF VERNON

The Tri-State Brown Swiss Sale will be held the day previous on October 22. Everyone is urged to attend both sales.

The evening of October 22 at the Kansas Hotel (sale headquarters) a banquet will be held co-operatively by the Tri-State Breeders and Mr. Braden. Everyone is welcome.

For a catalog of the Bradenhurst Dispersal Sale write to
Norman E. Magnussen, Sale Manager or John W. Braden, Owner
Lake Mills, Wisconsin Hutchinson, Kansas

Jesse R. Johnson with Kansas Farmer

KANSAS STATE CHAMPION

Texas Centennial Jane (927 lbs. fat 3X), her famous son (General), her 4-year-old daughter.

Excellent cows, high-record cows; one of richest bred herds of the breed.

This will probably be the last chance to purchase into the direct female line of Jane of Vernon.

You cannot afford to miss this history-making sale!

Come to Topeka, Kansas, for the Tri-State Auction of Brown Swiss Cattle

Leading Breeders from Kansas, Missouri and Nebraska Are Selling

55 Head on Wednesday, October 22 — 1 P. M.

Sale held at the Kansas Free Fair Grounds, Topeka, Ks.

46 Females — 4 Bulls



A carefully selected sales offering: Every animal offered has been approved by the Tri-State Sale Association selection committee. The type, production and breeding found in the females offered will appeal to the discriminating breeder as well as those wishing to start new herds. Cows in production, bred cows, bred and open heifers will sell. Service-age bulls and bull calves sell. Since only 4 bulls are offered they are choice. Twenty-two herds are represented in this Auction—14 breeders from Kansas, 5 from Missouri and 3 from Nebraska will be consigning to the first Tri-State Sale. Health of Sale Offering: All Tb. and Bang's tested. Health certificate furnished with each animal sold. Sale Headquarters—Hotel Kansas, Topeka, Kansas. Make your own reservations.

For sale catalog write to Ross Zimmerman, Abbyville, Kan., Rt. 1, Bx. D, Sec. Tri-State Brown Swiss Comm.

Note: Bradenhurst herd of Brown Swiss of Hutchinson, Kansas, will be dispersed at Topeka, Kansas, on October 23.

Auctioneer: Bert Powell, Topeka, Kan.

Mike Wilson with Kansas Farmer

Public Sale--Oct. 16, 1947 19 Head Registered Brown Swiss

14 Cows and Heifers — 5 Bulls

Excellent breeding and type. — Write for catalog.
Farm located 5 miles south Sedan, Kan., on highway 99.

PAUL ORTON, Owner, Sedan, Kansas

Dual-Purpose CATTLE**HOFFMAN'S MILKING SHORTHORN CONSIGNMENT****Hutchinson, October 27**

See our offering at the state sale.
Marbar's Violet Cutie R.M. (567 lbs. butterfat in 305 days as Jr. 4 year old).

Zykta Violet Marbar R.M. (490 lbs. butterfat in 305 days).

Both above cows classified "very good." We also have some good bulls on the farm about ready for service.

MARBAR HERD
JOHN S. HOFFMAN
Ensign (Gray County), Kansas

National Milking Shorthorn Show and Sale

A strong feature of the American Royal Show at

Kansas City, Mo.
October 22-23

The Best from all over United States. Unusual opportunity for establishing herds of the best dual-purpose breed in the world.

Write for catalog to

American Milking Shorthorn Society
809 Exchange Ave. Dept. KF-53
Chicago 9, Illinois

Annual Fall Breeders' Sale Reg. Milking Shorthorns

In the new pavilion 30th and L Sts.
Omaha, Neb., Thursday, Oct. 30

60 HEAD—50 Females—10 Bulls

Closing out Roy B. Morrison herd, Lyons, Neb. Two outstanding tried herd bulls; a lot of big, fresh and springer cows and heifers. Open and bred heifers and herd heading young bulls from Iowa and Nebraska herds. A few Polled Milking Shorthorns included. Write today for catalog of this sale.

Address H. C. McKELVIE, Sale Manager
Stock Yards Sta., Omaha, Neb.
Auct.: Col. Burritt B. Allen

FOR SALE REGISTERED MILKING SHORTHORNS

Three red cows to freshen this fall (3 to 6 years old).
Two heifer calves (weaning age).
One red and one roan bull calf (1 year old).

One reg. beef cow with red heifer calf.
GEORGE BETZ
Beloit Phone 32-F-11 Asherville, Kansas

Offering Milking-Bred Shorthorn Bull

3 years old, dark red, sire and dam both imported. 7 nearest dams average 15,000 lbs. milk. His granddam was National Grand Champion. Priced for quick sale. Can't use him longer to advantage. Also Spotted Polands.

A. W. SHOBERG, Lawrence, Kansas

Red Polled Bulls and Cows

Of serviceable age for sale. Also some spring calves and a few cows. Inquire of

W. E. ROSS & SON, Smith Center, Kansas

Dairy CATTLE**ROTHERWOOD OFFERS**

A few bred females—and they are priced reasonably!

As a matter of fact, at Rotherwood Jerseys with world recognition are priced reasonably to all, especially to Kansas farmers.

ROTHERWOOD — Land of Oz
A. Lewis Oswald — John C. Oswald
Hutchinson, Kansas

JERSEY BULL CALVES (Reg.)

Up to 4-Star rating. Sired by outstanding group of sires headed by King Wonderful Aim—Highest rated Jersey bull in service in the United States. Write for low delivered prices.

RIDGE RUN FARMS, Box 261, Aurora, Mo.

HOLSTEINS—THE LABOR SAVERS

Three big Holsteins are the equal of at least five small producers, and require less total feed, less labor and less barn room.

From Holsteins you get the most from each day's work and maximum use of all facilities. Holsteins are the PROFIT breed.

HOLSTEIN-FRIESIAN ASS'N OF AMERICA • Brattleboro, Vermont • Box 1638

CK RANCH HEREFORD CALF SALE

Friday
Oct.
10

Starts
at
1 p. m.

Send
for
Catalog

•
CK Blood
means
IMPROVE-
MENT



CK Creator 13th Represents the Quality of This Sale. Champion at Topeka Fair; also at Lincoln, Nebr., Fair

Be At
the
Sale

•
Many Future
herd bulls
Will Be Sold

FRIDAY, OCT. 10, '47

40
Bull Calves
of herd bull
quality . . . look
to the future of
your herd . . .

CK RANCH SIRES

CK Creator	CK Cruiser 33rd	CK Cascade
CK Challenger 4th	CK Cruiser 34th	CK Cadet
CK Challenger 61st	CK Cruiser 23rd	CK Baca Royal
CK Challenger 99th	CK Colonel 30th	Brumel 6th
CK Challenger 85th	CK Crusader 52nd	Brumel 9th
CK Challenger 88th	CK Royal Duke	

40
Heifer Calves
With breeding of
foundation mat-
rons . . .

A real opportunity to select the tops of our production and grow them yourself.

Paved highway to ranch
Heated Pavillion

CK RANCH

Fred Chandler, auctioneer
Gene Sundgren, manager

4 MILES WEST OF BROOKVILLE, KANS., ON HIGHWAY 40

Dairy CATTLE**Reg. Serviceable Age HOLSTEIN BULLS**

Out of cows with official butterfat records of 690 lbs. in 365 days and 527 lbs. in 227 days. Good individuals and sired by top bulls of the state.

WALLACE J. BECKNER
Belle Plaine, Kansas

For Sale or Lease

Holstein Bulls from proven dams with lifetime records. Have leased over 100 bulls to Kansas breeders.

Security Benefit Association
Topeka, Kansas

Smoky Valley Holsteins

Carnation Countryman in Service. Bull calves for sale.

W. G. BIRCHER & SONS, Ellsworth, Kansas

BULL CALVES FOR SALE

We bred and developed the first and only Holstein cow in Kansas to produce 1,000 pounds of fat in 365 consecutive days. Young bulls with high-production dams or granddams.

H. A. DRESSLER, LEO, KAN.

Offering REG. AYRSHIRE BULLS

Calves to serviceable age, sired by a son of the approved Woodhull Sunny Tim and out of our "good plus" high producing cows, with records up to 392.6 fat and 10,000 lbs. milk (as a two-year-old) actual 2 x.

GEO. DUSENBURY
Corbin (Sumner County), Kansas

REGISTERED GUERNSEYS

Since 1908 High Production. Correct Type. Popular Bloodlines.

Ransom Farm, Homewood (Franklin Co.), Kan.

SHEEP**SHROPSHIRE RAM**

Sired by Spohn 522.
J. L. Brown, Rt. 1, Bx. 68, Wichita, Kan.

BERT POWELL

AUCTIONEER

LIVESTOCK AND REAL ESTATE
1529 Platte Avenue Topeka, Kan.

Kansas Milking Shorthorn Sale

Hutchinson, Kansas, Monday, October 27

STATE FAIR GROUNDS

40 FEMALES — Horned and Polled — 6 BULLS

This is the best offering ever gathered to buy at your own price. The offering includes 16 RM cows, 17 bred heifers, 7 open heifers, and 6 bulls. One cow classified Excellent, 5 Very Good, and others Good Plus. Bulls are of herd-heading quality and out of RM dams classified Very Good. Two of these bulls offered have proven their value as breeders of the right type. This sale offers a real opportunity for the beginner or to add to an established herd.

Breeders banquet and meeting will be held at the American Legion Bisonte Hotel, Hutchinson, October 26th, at 7:00 P. M.

For catalog and information write Kansas Milking Shorthorn Society
C. O. Heidebrecht, Secretary and Sale Mgr., Inman, Kan.
Aucts.: Burritt Allen, Gus Heidebrecht, Art McAnarney

Nebraska Milking Shorthorn Breeders Association Sale

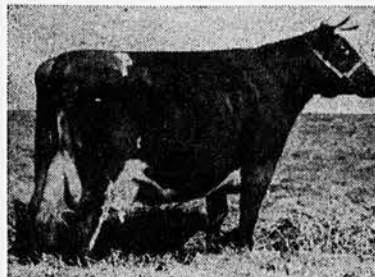
Fairbury, Neb., Oct. 18

1 o'clock — Fairgrounds

45 HEAD—35 Females. 10 Bulls. Selected from the leading herds of Nebraska.

Association meeting and banquet Friday evening, October 17, for anyone interested in Milking Shorthorns.

For catalog write sale committee:
William G. Sandman, Jansen, Nebraska
Ray Edelmeyer, Hooper, Nebraska
Harold Zeilinger, David City, Nebraska

**ANNOUNCING****70 HEAD REG. HOLSTEINS AT AUCTION**

The J. C. Mears-St. Joseph Home Holstein Sale
Abilene, Kansas, Thursday, November 6

Featuring a Dozen Milking Daughters of Sir Bess Tidy

This sale represents a complete dispersal for Mr. Mears who is quitting the dairy business, and a sharp reduction in the St. Joseph Home herd. Mr. Mears foundation herd was purchased from St. Joseph Home, so that the entire offering represents years of popular Kansas breeding.

Watch for the October 18 issue of Kansas Farmer for details.

Write **E. A. DAWDY, Sale Manager, Salina, Kansas**

Mention Kansas Farmer When Writing Advertisers

MID-KANSAS SHORTHORN BREEDERS' ASSOCIATION SHOW AND SALE



Friday, November 7, 1947

Saline County Fair Grounds

Salina, Kansas

Show at 9 a. m.—Sale at 1 p. m.

30 BULLS—28 FEMALES

A grand offering of royally-bred, modern type Shorthorns from some of Kansas' most outstanding herds.

CONSIGNORS	Bulls	Females	
Tomson Bros., Wakarusa	2	7	
Chriss Coffey & Sons, Axtell	1	2	
T. R. Cantwell & Sons, Sterling	2	1	
E. L. Stunkel, Peck	2	1	
E. C. Lacy, Miltonvale	2	2	
R. L. Bach, Larned	1	1	
D. A. Reusser, Wellington	1	1	
Wayne K. Boldt, Raymond	1	1	
Frank C. Mills, Alden	1	1	
Mellrath Bros., Kingman	3	2	
Mr. and Mrs. Webster G. Olson, Clements	2	2	
Arthur Nelson, New Cambria	1	3	
Earl E. Stoffer, Rt. 4, Abilene	1	1	
Hubert Bowser, Abilene	1	1	
George J. Wetta, Andale	1	1	
Ed. J. Niernberger, Ellis	1	1	
Alfred Tasker, Delphos	1	1	
Adolph A. Dumler, Russell	2	2	
Ralph Schulte, Little River	1	2	
H. Dean Stauffer, New Cambria	1	1	
W. V. Harshman & Son, Clements	3	1	

For the
catalog and
other
information
address
**MERVIN F.
AEGERTER**
Sale Manager
Seward, Nebr.

Auctioneers: Bert Powell, Topeka, Kansas, and Frank Mills, Alden, Kansas
Jesse R. Johnson and Mike Wilson with Kansas Farmer

North Central Kansas Shorthorn Breeders' Assn. Show and Sale



In the Shearer Sale Barn at the east edge

Beloit, Kan.

Friday, October 31

The Annual Meeting of the North Central Kansas Shorthorn Breeders' Association will be Thursday evening at 7:30.

Association headquarters will be in the Hotel Avenue.

SHOW at 9 a. m. — SALE at 12 Noon

Write for illustrated catalog to—
EDWIN HEDSTROM, Mankato, Kan.

Beloit is located on U. S. Highway 24 and on Kansas Highways 9 and 14.

Mike Wilson with Kansas Farmer
Auctioneer: Bert Powell

**Selling
29 BULLS—31 FEMALES**

These outstanding breeders have selected some of their choicest cattle for the sale. That is why you will like the offering.

Consignors

H. D. Atkinson & Sons, Almena, Kan.
Lawrence Brungardt, Gorham, Kan.
Frank Creitz, Asherville, Kan.
Adam Dietz, Galatia, Kan.
Emerson S. Good, Barnard, Kan.
S. A. Hill, Smith Center, Kan.
Orville Hughes, Broughton, Kan.
Glen E. Lacy & Son, Miltonvale, Kan.
E. C. Lacy, Miltonvale, Kan.
D. P. Meall & Son, Cawker City, Kan.
J. M. Neilson & Sons, Marysville, Kan.
Ray Oplinger, Jewell, Kan.
Julius Olsen, Leonardville, Kan.
Booker & Petterson, Beloit, Kan.
Rotman Bros., Cawker City, Kan.
J. Dee Shank, Superior, Neb.
Alfred Tasker, Delphos, Kan.
Geo. Visser, Riley, Kan.
Ed Visser, Riley, Kan.
John E. Vincent, Long Island, Kan.
R. R. Walker & Son, Osborne, Kan.

Auction--50 Missouri Polled Shorthorns



At the Missouri State Fair Grounds
Sedalia, Mo. — Monday, Oct. 27

Show 9 A. M. — Sale 1 P. M.

This is the annual state show and sale and 50 head of quality Polled Shorthorns from the top herds of the state sell. Best of bloodlines.

SELLING 15 BULLS — 35 FEMALES

For sale catalog write to E. J. F. EARLY, secretary, Missouri Polled Shorthorn Breeders Association, Lexington, Mo.

Auctioneer: J. E. Halsey

Donald Bowman representing the Kansas Farmer

Werth HEREFORD Farms

SECOND ANNUAL SALE



Thurs., Oct. 9

(Night)

Sale to be held at the

Quinter Sale Barn

Quinter, Kan.

12 Bulls

35 Females

The females include 10 cows, mostly with calves at side, and rebred to Advance A. Jr. Domino.

As an attraction in this sale, we include our entire crop of yearling replacement heifers, bred to our choice herd sires, Advance A. Jr. Domino and CK Cascade the 14th, a grandson of WHR Double Princeps, he by WHR Princeps Mixer and out of a granddaughter of Real Prince Domino 33d. Also our entire 1947 calf crop, except a few late calves.

Advance A. Jr. Domino, champion herd bull. Owned by Thomas Werth, Park, Kansas.
A product of Fred DeBrard, Kremling, Colo., one of today's top breeders of Registered Herefords, a sire of Champions, he himself a champion at Raton, New Mexico, in 1944. 10 cows and heifers carry his service.

CK Cascade 14th 4897693

CK Cascade 446252	WHR Double Princeps	WHR Princeps Mixer	WHR P. D. 27th Greta Mixer
		WHR Cynthia 29th	WHR P. D. 20th
		Colorado Domino 242d	WHR D. G. 24th
	RS Douglass Lass 4th	WHR Belle Dom. 60th	Prince Dom. 101st
		Real Prince Dom. 33d	Princess Dom. 7d
	Real Domino 239th	Lady's Pride 3d	Real Prince Dom. 1st
		Advance Mischief 7th	WHR B. O. 65th
	Dulce 11th	Dulce 3d	Real Prince Dom. 113th
Princess Dom. 22d			Real Pr. Dom. 57th
			Curious Domino 2d
			Advance Mischief 28th
			Margaret Dom. 21st
			Mitchell Domino
			Lovely Domino 3d

CK Cascade 14th, our choice at the CK Hereford Ranch calf sale last March. Eight choice heifers are exposed to him. Again we urge and invite you to be with us on sale night. For catalog and other information address

THOMAS WERTH, PARK, KAN.
Auct. Freddie Chandler—Mike Wilson with Kan. Farmer
NOTE—Please attend the John Luft Sale at Bison, Kan., October 9, and the CK Hereford Ranch Calf Sale, Brookville, Kan., October 10.

Top Event of American Royal Week Heart of America Aberdeen-Angus Breeders' Assn. Show and Sale

American Royal Building — 1 P. M.

Kansas City, Mo., Tuesday, October 21, 1947

6 Males, 52 Females—of highest quality from the best herds of the Middlewest.

L. M. Thornton, Garden City, Mo.
University of Missouri, Columbia, Mo.
George W. Dehaven, Jr., Kansas City, Mo.
L. W. Brockman, Fayette, Mo.
Rosemoor Farms, Albany, Mo.
S. Melvin & Grandsons, Greenfield, Ill.
W. H. Pipkin & Son, Springfield, Mo.
George A. Spencer, Columbia, Mo.
T. B. White, Blytheville, Mo.
Ernest M. Tipton, Jefferson City, Mo.
W. V. Shofner & Sons, Fayetteville, Ark.
Glen W. Dickinson, Mission, Kan.
James E. Nugent, Smithville, Mo.
Sun-Ray Farms, Fayetteville, Ark.
Angus Valley Farms, Tulsa, Okla.

The consignors
to the
event are:



Dean Grisamer, Cora, Mo.
Leo B. Parker, Stanley, Kan.
Sumner Fifield, Olathe, Kan.
Miller Buren, Princeton, Mo.
A. C. Flint, Bethany, Mo.
Oak Ridge Stock Farm, Columbia, Mo.
P. D. Shultz, Rosendale, Mo.
Jeppesen Bros., Manzanola, Colo.
Parker Farms, Warrensburg, Mo.
Otto Nobis, Davenport, Iowa.
F. W. Whitehead, Kahoka, Mo.
R. B. George, Fayette, Mo.
A. H. Schmidt, Kansas City, Mo.
Wayland Hopley, Atlantic, Iowa.
Penney & James, Hamilton, Mo.
Great Oaks Stock Farm, Rochester, Mich.
J. B. Hollinger, Chapman, Kan.
Elton Chaney, Belton, Mo.

For catalogue, write to **LEO B. PARKER, Secretary**
900 Waltham Building, Kansas City, 6, Mo.

NCK Hereford Assn. Third Show and Sale

Tuesday, November 4 — Concordia, Kan.

P W Camp

63 Registered Herefords from 28 Leading Herds

38 Bulls—mostly of breeding age.
25 Females—Open Heifers, Bred Heifers, Cows with calves.
A few Polled Herefords.

SHOW—9 A. M., Lot Taylor, Judge
SALE—12:30 P. M., Col. Guy Pettit, Auct.

NORTH CENTRAL KANSAS HEREFORD ASSN.

Carl M. Swenon, Pres., Concordia — Dr. Geo. Wreath, Sale Mgr., Belleville
Mike Wilson with Kansas Farmer

Kansas Poland China Breeders' Sale

Fair Grounds

Hutchinson, Kan., Oct. 18

40 HEAD

Boars and Gilts selected from the leading herds in Kansas. Many hogs in this offering will be of the same bloodlines of several champions at the State Fairs this fall.

CONSIGNORS:

Howard Tallaserra, Leon
Joseph S. Hill, Hutchinson
Harry L. Turner, Harper
Floyd Brian & Sons, Mulvane
Herbert Rindt, Herington
C. R. Rowe & Sons, Scranton
Albert Morgan, Alta Vista
Roy B. Wilmett, Grenola
H. L. Reimer & Son, Inman



Chester D. Werff & Son, Ellinwood
Alvin Ayers & Son, Cottonwood Falls
Fred Rexood, Partridge
Gordon McLin & Son, Silver Lake
Ray Saylor & Son, Manhattan
T. W. Hayden, Clements
J. Saylor & Son, Lyndon
Hays Beck, Manhattan
J. M. Bolton & Son, Smith Center

For information and catalog write **RAY SAYLOR, Mgr., Manhattan, Kan.**
Auctioneer: Mike Wilson
Jesse R. Johnson, Kansas Farmer

THEY ARE *Top-Notch!*

15 Bulls

All of service-able age, most of them sired by FRC Bocaldo, pictured here.



FRC Bocaldo

35 Females

All are bred or will be ready to breed by sale time. They are by FRC Bocaldo: FRC Rupert Tone 9th; FRC Rupert Tone 20th and Dellford Rupert 2nd. About 14 will sell open.

Here is an opportunity to buy the get of sires whose forebearers bore such names as Bocaldo 6th, Hazford Rupert 25th, Hazford Tone, Izatone and Santoma. These individuals are the smooth, blocky, easy-fleshing kind that today's progressive breeder is looking for.

The sale will be held at the ranch which is just three miles north of El Dorado on U. S. Highway 77. Lunch will be served at noon, and the sale will start at 1:00. Ivie Carter, show herd. Olen Daniel, breeding herd.

Friday, October 17

Frank R. Condell

Dellford Ranch

El Dorado, Kansas

A. W. Thompson, Auctioneer

Mike Wilson, Kansas Farmer

The Midwest Polled Hereford Breeders' Sale

At Breeding Sale Pavilion



Marysville, Kansas Monday, October 27

20 Bulls — 30 Females

Consigned by Prominent Breeders from 3 States
Iowa — Nebraska — Kansas

CONSIGNORS

Gerhardt Dettke, Marysville, Kan.

Omer Doty, Burchard, Neb.

Leo Ebel, Wamego, Kan.

R. A. Warner & Sons, Nebraska City, Neb.

Chas. Hart & Son, Conway, Iowa.

Ed Valek, Wayne, Kan.

Vance Lindahl, Washington, Kan.

Donald R. Goodger, Belleville, Kan.

Tegtmeier Hereford Farms, Burchard, Neb.

Pullman Stock Farm, Sidney, Iowa.

Bernard Hart, Blue Rapids, Kan., Dispersion

HERD BULLS Represented Are:—

Anxiety Domino 27th by Anxiety Domino; Battle King Domino by Battle Domino 26th; Polled Model by Clark Harmon; Beau Perfect 270th by Beau Perfection 234th; Ion Advance 3d by P. Domino Aster 3d; Anxiety Domino 4th by Advanced Domino 16th; Chub Domino by Advanced Domino 30th; Damon Harmon by Daise Mischief; Iowa Domino 36th by Anxiety Domino 27th; Polled Prince Domino 11th by Polled Prince Domino; B. D. Worthmore by P.V.F. Worthmore BD; Randolph Mischief by M. Mischief President Jr.; EER Rollo Domino 12th by CMR Rollo Domino Jr.; ALF Beau Rollo 11th by Beau Perfect 246th; Don Mischief by Maxel Mischief.

One of the greatest offerings of Polled Herefords ever assembled in the Midwest.

For catalogue address—BERNARD HART, Sale Manager, Blue Rapids, Kan.

Plan to attend this Sale and the Carl Miller Sale at St. Marys, Kan., the following day. Freddie Chandler, Auctioneer

Mike Wilson with the Kansas Farmer

Cowley County Hereford Association FIRST ANNUAL SALE

(at Fair Grounds)

Winfield, Kan., Monday, November 10

Highway 77

40 HEAD, picked from 14 good herds of the association. Ages from 7 months to 5 years.

20 Females (10 bred) to such sires as Bocaldo Tone E. 4th, WVHR Worthy Flash, OJR Jupiter Star 12th and WHR Jupiter Star.

20 Selected Bulls.

For catalog write CHAS. H. CLOUD, Winfield, Kansas

Auctioneer: W. H. Heldenbrand

Mike Wilson with Kansas Farmer



Welsh's Production Hereford Sale

EISENHOWER PARK

Abilene, Kan., Wednesday, October 29



Triumph with the Triumphs!

85 HEAD designed to be assets for replacement in well established herds or foundation in beginners' herds.

18 BULLS—12 to 18 months old.

7 sired by P. Triumph Domino, (grandson of WHR Triumph Domino 6th).

6 sired by Royal Triumph D. 14th, (grandson of WHR Royal Domino 51st).

10 sired by sons of CK Onward Domino.

1 sired by a son of T. Royal Rupert 60th.

60 FEMALES—10 by Royal Triumph D. 14th. The remainder by above herd bulls and 3 by CK Caballero 2nd, a grandson of Advance Domino 140th.

14 Heifers bred, many of them carry the service of Dandy Domino 2d.

Daughters of Triumph have been winners in several good shows, including the 1937 Hutchinson 1947 Show.

For Catalog Address

T. L. WELSH, Abilene, Kansas

Auctioneer: Freddie Chandler

Mike Wilson and Jesse R. Johnson with Kansas Farmer

Registered Aberdeen Angus At Auction

Mulvane, Kan., November 3, 1947

82 HEAD

36 COWS. 30 cows with calves at side, others will calve by sale day. 8 bred heifers, mated to a Reed Stock Farm Beef-maker Bull. 7 bulls. Herd sire, Burgess H. P. 11th., bred by Harry E. Pierce. 4 two-year-old bulls ready for heavy service. 2 yearling bulls.

For Catalog Write

ROBERT RICHARDSON, Mulvane, Kansas

ROY JOHNSTON, Auctioneer

MIKE WILSON, Kansas Farmer



Ed Hutt Hereford Dispersion Sale

Saturday, October 18

The first day of the American Royal

Lone Jack, Missouri

Lone Jack is in the southeast corner of Jackson county—25 miles southeast of Kansas City.

76 HEAD—The Complete Herd Sells. A breeding herd that has been a joy and a money maker thru the years.

2 HERD BULLS—Prince Mischief 135th, and Ruling Stardom—two excellent herd bulls.

8 YEARLING BULLS—Ready for service, well grown out, and with Anxiety 4th blood in abundance.

28 COWS, 25 CALVES—The best set of females to ever graze the Hutt Farm pastures. Foundation matrons at their best with a wealth of Anxiety 4th breeding. Many rebred.

14 HEIFERS—Included are 3 bred heifers and 11 open heifers, all excellent young prospects. Many of the open heifers ready to breed.

Seldom is there an opportunity to secure so much Anxiety 4th blood in so good a group of cattle as you will find in this dispersion sale. Improve your herd by attending October 18 and taking home some of these outstanding animals. For the catalog write

ED HUTT, Lone Jack, Missouri

A. W. Thompson, Auctioneer

Donald J. Bowman, Fieldman for Kansas Farmer





The Tank Truck



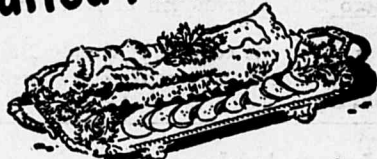
No More Sleepless Nights!

That's what Conoco Nth means to Mr. R. F. Poehlmann, owner of a 260-acre dairy farm near Brenham, Texas. He writes: "During the heavy operating season, if any of my equipment does not operate properly I go home at night and worry, and usually have a sleepless night. I know there are many, many farmers who have had these same worries and sleepless nights. My advice . . . to eliminate them is to use Conoco Nth Motor Oil, as this oil means the very life of a tractor."

"... my 1942 Ford Ferguson . . . has been in operation practically every working day . . . not once has the head been off of this tractor. Even today . . . your oil comes out clean at the end of each drain period. Even yet I cannot find any trace of sludge whatsoever."

In the picture (left), Mr. Poehlmann is filling his five-year-old Ford Ferguson, while his ten-year-old son, Ralph, proudly shows Conoco Agent, A. G. Wehman, how clean Conoco Nth appears on the dip stick after 160 hours' operation.

Stuffed Pork Tenderloin



...with Bananas!

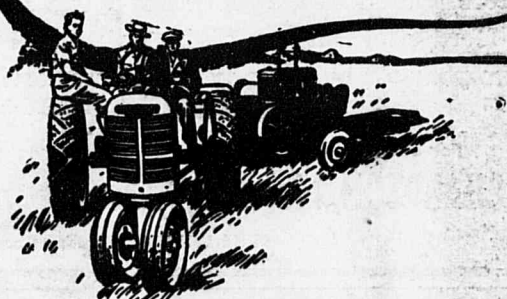
Mrs. Earl Davenport of Octavia, Nebraska, sends this prize-winning meat dish recipe.

Select 2 good-sized pork tenderloins. Make a dressing of 1 cup bread crumbs, 2 or 3 sage leaves, a small amount of grated onion, $\frac{1}{4}$ tea-spoon salt, $\frac{1}{4}$ teaspoon pepper, and $\frac{1}{4}$ cup melted butter. Spread dressing on top of the and place the other tenderloin on top of the and place the other tenderloin on top of the dressing. Tie together. Place in casserole and bake about 2 hours, basting frequently with hot drippings. Cut 3 bananas in halves. Dip meat on serving dish and lay the bananas around it.

Send your favorite recipe to Mrs. Annie Lee Wheeler, Conoco Cafeteria, Ponca City, Okla. Get \$5 for each one printed here with your name. If duplicates are received, the one published shall be determined solely by Mrs. Wheeler. All recipes become property of Continental Oil Company.

FARM KITCHEN

\$500 for your favorite recipe!



Money ahead on the prairie!

That's what Conoco Products and Conoco Tank Truck Service mean to A. C. Polley, Ridgeway, Missouri. Mr. Polley farms 560 acres of some of the finest land in Northwest Missouri. His equipment includes 2 Farmall Tractors and a Caterpillar, a Power-bailer, a Combine, a Hammermill, and 2 trucks. He writes: "... I can say that I have had no operation problems because of the quality of Conoco products. I've worked my machinery hard . . . but I'm careful to take good care of it and good care, I think, certainly includes the use of Conoco N-tane and Conoco lubricants . . . I've never lost a minute's time because of the failure of your agent to get the product to me. Because of these things I think I am money ahead on my farming operations."

Earthquakes...Temples...and Conoco Nth Motor Oil!

EARTH's oldest wooden building stands in the world's worst earthquake center . . . Japan! After 1,238 violent years its great timbers are still held together by one of nature's mightiest forces . . . *molecular attraction!*

You wonder what this has to do with farming? Here's the answer: This same force of attraction gives you OIL-PLATING! When you change to Conoco Nth Motor Oil, *molecular attraction* fastens a special added ingredient in Conoco Nth Motor Oil so closely to metal surfaces of your tractor engine that cylinder

walls are actually OIL-PLATED! Because OIL-PLATING resists gravity . . . can't all drain down even overnight . . . Conoco Nth Motor Oil (patented) gives you:

EXTRA protection from "dry" starts...EXTRA protection from carbon and sludge caused by wear...EXTRA smooth, cool operating hours out in the fields.

Call Your Conoco Agent to get your supply of this oil that OIL-PLATES your engine!



"One Cold Morning"...

Writes Warren E. Richards, Quincy, Illinois, "I attempted to pour some #20 oil out of a can and it refused to pour. That set me to wondering how that oil would act in a crank case. It didn't take me long to decide what to do. I had heard about Nth Motor Oil and I gave it a try, and I have been using it ever since. . . . When you buy motor oil . . . you want a #20 oil to act like #20 should at 60, 20 or Zero Degrees. Nth Motor Oil has those qualities."

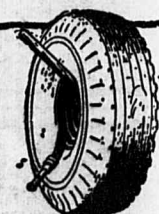
The picture shows Mr. Richards with E. H. Thomas, Conoco Tank Truck salesman. Mr. Richards and his father farm 300 acres of rich Illinois land, and are known for their fine dairy herd of Pure Bred Brown Swiss Cattle.



YOUR CONOCO AGENT

Storage for Garden Hose!

Mrs. W. L. Boethin of Logan, Kansas, protects her garden hose by coiling it inside an old tire. With the hose inside, the tire can be hung on a peg, or rolled into a corner out of the way.



Glove Holder!

E. W. Sopher, New Providence, Iowa, sends this simple idea that saves time looking for gloves. Snap them in a mouse trap screwed to the wall . . . as shown in the sketch . . . and they stay there.



DOLLARS FOR IDEAS!

Ideas are worth money. Send your original ideas to The Tank Truck in care of this paper—and get \$5.00 for every one that's printed!