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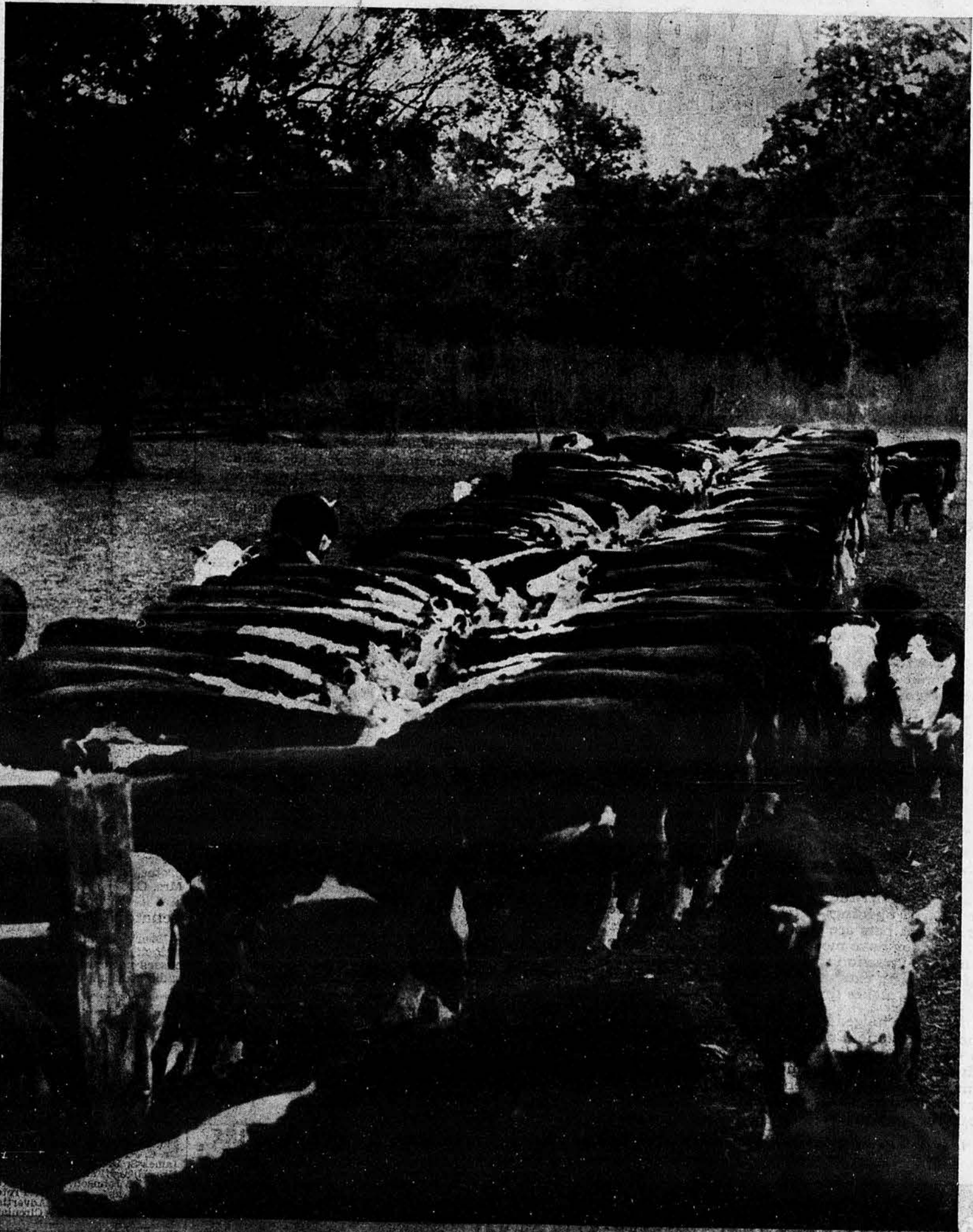
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# KANSAS FARMER

NOVEMBER 1, 1947

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See What Farmers Say About Saving Grain . . . See Page 4



Champion Farmer McKINLEY Uses

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## School Worry Is Ended

By VIRG HILL

**M**ORE than 950 reorganized Kansas rural school districts validated by act of the 1947 Legislature were sustained recently by a state supreme court decision, and Attorney General Edward F. Arn declared that if the ruling had gone the other way "a special session of the Legislature would have been inevitable."

The court's ruling was that acts invalidating reorganizations completed thru county committees up to March 1, 1947, under a 1945 law were constitutional. A test suit has been instituted by Harry Miller, county attorney of Brown county, with district 87 in his county the defendant.

Earlier, the court had decided that 1945 and 1947 rural school reorganization laws were unconstitutional, stopping the reorganizing processes under which county committees had authority to eliminate or change districts.

A possibility that this might happen had moved the 1947 Legislature to enact bills which declared that completed reorganizations should be regarded as accomplished facts. The recent decision upheld the constitutionality of these special acts.

"The decision," said Arn, "has assured that pupils in these affected school districts will have places to go to school and to continue their education without interruption."

"They would have been unable to do so if the court had ruled otherwise, because many of the former districts would have been left without school buildings, without teachers, transportation facilities and budgets."

"There would have been a terrible dilemma until the Legislature could make corrections. A special session, in my opinion, would have been inevitable."

Arn said that "in excess of 950" new districts were validated, and will continue operating, and that about 2,500 had been eliminated.

The new districts, he said, had issued bonds in the amount of more than \$1,150,000 for new buildings and other requirements, and the decision relieves anxiety on that score.

This latest turn in one of the most bitterly contested issues in recent Kansas legislative history, means that rural schools will not be thrown into chaos. It means that districts with final reorganization orders made before March 1, 1947, will be recognized as constitutional, but the earlier decisions halted recognizing by county committees. The court had held that the Legislature exceeded its constitutional powers when it delegated reorganizing authority to committees. This new ruling, however, found that the Legislature may ratify accepted conditions.

## An Outing Tip

Wiener roasts are popular now as cooler weather appears. I use a corn popper with long handle for roasting several of the "dogs" at one time. This protects the cook from the heat.—Mrs. C. G. K.

## 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

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## Are You Short of Feeds?

Maybe These Substitute Rations Will Help

**F**ACED with a corn shortage at a time when livestock numbers are high and when the Government is calling for grain conservation, farmers in Kansas may be hard put to find satisfactory feeding rations.

To help farmers with this problem Kansas Farmer editors interviewed Kansas State College animal husbandrymen to find out what shortcuts and substitute rations could best be utilized during this emergency. Here are some of the answers:

Ground wheat, fed to hogs, is worth 5 to 7 per cent more than corn, pound for pound.

Ground wheat can be fed to cattle if mixed with another grain or with a roughage. Ground wheat can be fed as the only grain if mixed with silage. Best use of wheat in a grain ration for cattle is half wheat and half oats, ground together. This combination is equal to corn as a cattle-fattening ration. When fed alone, wheat causes digestive troubles and is too dry a feed to be palatable.

For fattening lambs wheat compares favorably with corn and does not need to be ground.

Combine types of grain sorghums are equal to corn for fattening cattle and can be fed the same as corn. Indications are that combine sorghum yields in Southwest Kansas this year will be good, and that farmers in that area lack storage space for the grain.

For fattening hogs combine sorghums are worth 90 to 95 per cent as much as corn, and for lambs about 90 per cent of corn.

Oats can be used for fattening cattle or hogs if it does not exceed one third of the grain ration. Oats can be fed whole to cattle more than one year old, but must be ground for hogs.

Barley has done well as a grain ration for fattening steers at the college. Best results were obtained when ground barley was fed with cottonseed meal, silage and ground limestone. Barley should be Northern rather than Southern grown and at least No. 2 quality. Cattle fed barley will gain almost as much as those fed corn but will not have quite as good finish.

Grain sometimes is wasted, say college specialists, in trying to raise the grade of feeder cattle. It has been demonstrated many times, specialists claim, that feeder cattle should be finished according to their original feeder

grade. This is particularly true of the better grades of feeders. Common feeders sometimes may be stepped up to medium slaughter steers with a reasonable quantity of feed. At least one third feed of grain is needed to put yearling steers of any quality in acceptable killing condition.

Dairymen are urged not to sacrifice milk production to save feed. Some things can be done during the winter and early spring, however, to conserve grain consumed by the dairy herd.

Long yearlings and dry cows in the dairy herd can be fed silage and 2 pounds of cottonseed meal or other high protein feed daily during the winter months. Concentrates now are cheaper than corn on the basis of total digestible nutrients. Long yearlings and dry cows can be allowed only the waste hay left by the producing cows.

Silage consumption of the producing cows can be pushed a little by feeding 25 to 30 pounds for each 1,000 pounds of live weight. Three feedings daily are preferred. By cutting down on hay to force silage intake and making up the difference with concentrate, the ration can be balanced. Alfalfa hay is short in quantity and high in price following a poor pasture season.

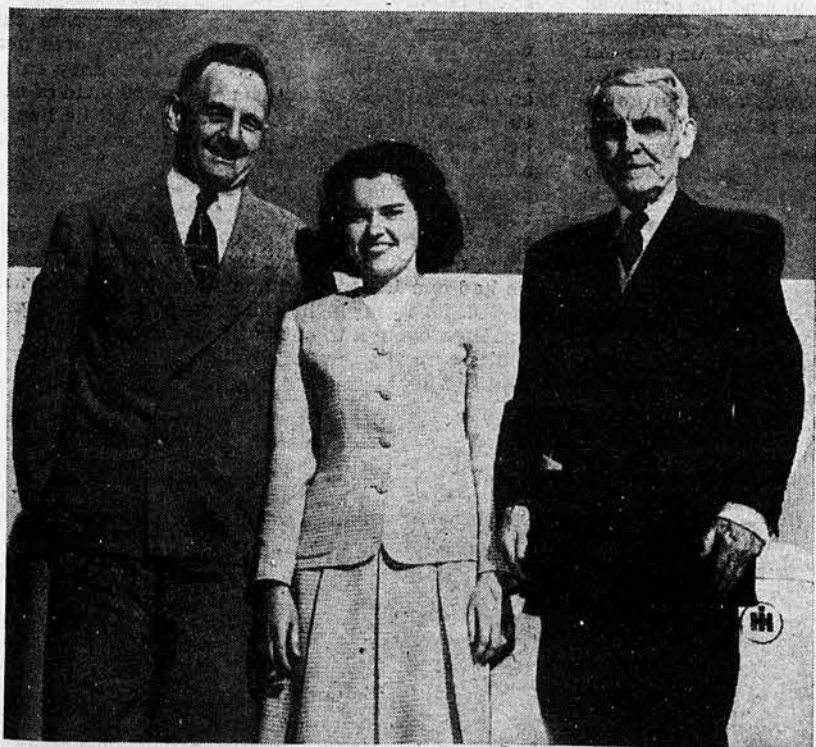
A limited acreage of oats for spring pasture is advised by the college. This acreage should be planted with the idea of pasturing only, allowing one half acre to the cow. Three or 4 weeks of good extra spring pasture to bridge the gap between fall-sown cereals and Sudan grass can be planted. This pasture should consist of equal parts of winter rye, barley and wheat. It may be planted at oats-planting time or a little later and seeded 50 per cent heavier than for a grain crop. Double planting is a good practice for this "succotash" pasture crop, reports the college.

Heads of the various animal husbandry departments at the college say college herds are confronted with the same feed problems as those on the farm. These recommendations will be followed at the college to tide over the various livestock projects.

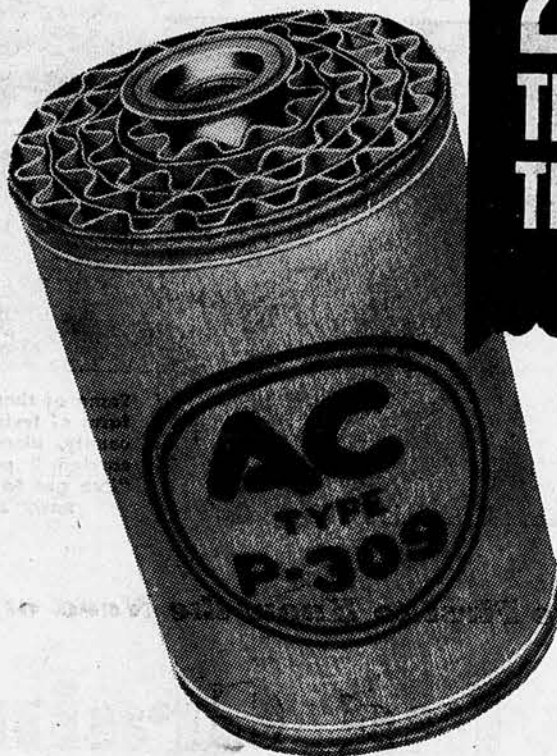
### Flashlight Is Safe

If kerosene lamps are used for illumination, it is wise to keep a flashlight on hand for searching in any dark place where an oil lamp might upset and cause a fire.—Mrs. L. W. T.

## Honored Guests at 4-H Camp



**H**ONORED guests recently at Rock Springs Ranch, new Kansas 4-H camp near Junction City, were Senator Arthur Capper, right, and Governor Frank Carlson, left. Here they pose for a picture with Marie Baresel, of Geary county, the Kansas Wheat Queen of 1947. Peeking out from behind Senator Capper is a huge home freezer-locker, gift of the International Harvester Company to the queen. It was formally presented to her by the governor. Two years ago the 4-H Clubs decided to have a state camp. Since then they have raised more than \$100,000, purchased the 348-acre farm which makes the camp site, and are starting permanent improvements, including a large swimming pool.



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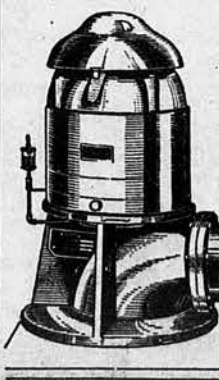
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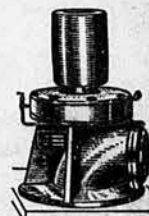


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These steers on the Walter Wulfkühle farm, Douglas county, have been on grain 6 weeks, have done exceptionally well. Mr. Wulfkühle estimates they gained between 2½ and 3 pounds a day on that short feed. He was just about ready to turn them when this picture was taken, so he could conserve his feed for other animals in thinner condition.



Some of these cattle on the farm of Irving Niles, Osage county, already have been carried 2 pasture seasons. "I've got to feed them out now," says Irving.



Good pasture is a necessity for high milk production. These Holstein cows on the Verlon Beckwith dairy farm, Leavenworth county, are grazing off the last crop of alfalfa. Cereal grain pastures are late this year, if there will be any at all. But even on pasture like this, dairy cows need grain.

Farmers Were First to Know the Need of . . .

## Saving Grain

By Dick Mann and Ed Rupp

**W**E WOULD be glad to conserve grain if we had any." That is one answer we got recently when interviewing farmers. We were trying to discover what can be done on the farm to meet President Truman's call for a nation-wide grain-conservation program to boost shipments to the starving peoples of Europe.

Kansas livestock men this year are caught between the frying pan and the fire. They are being asked to conserve grain. Yet the president's call comes at a time when farmers have just come thru a short pasture and alfalfa hay season, and are facing a corn shortage as they go into the winter feeding season.

If farmers fail to make a good showing this winter on grain conservation they likely will be accused of being unsympathetic to the Government's foreign policies, and of being unmoved by the starvation of millions of people thruout the world. On the other hand, if they don't use their limited grain supplies to the best advantage they stand to lose much of the profits gained during the last few years.

"How about the bumper wheat crop harvested last summer?" some folks ask. It's true Kansas harvested its largest wheat crop in history, but the outlook for next year isn't so good. Wheat-sowing conditions in Western Kansas this fall have not been the best in years. Wheat now in bins on Western Kansas farms could be the only wheat farmers there will have next year. Much of the surplus may have to be fed this winter as a substitute for corn. It may even have to be spread over a 2- or 3-year period in case of short crops. If farmers market all their wheat now, as asked, income taxes would be prohibitive.

To make matters even worse, the Department of Agriculture has called for increased hog farrowings next spring in the hope of a better feed

crop next season. Farmers are being asked to increase hog production next spring on a gamble with the weather.

Actually, there is little the average Kansas farmer can do to comply with President Truman's request. Conditions will force him to substitute other grains for corn, to feed conservatively, and to cut livestock numbers. He will be lucky to make his grain last thru the winter, even with these adjustments. Farmers already know these things and have made whatever changes were necessary. These changes would have been made regardless of the President's request.

A good illustration of this is the case of Giltner Wegner, of Pottawatomie county. His major livestock projects are cattle and hogs. This year Mr. Wegner had a one third corn crop, a 50 per cent sorghum crop and only 2 small cuttings of alfalfa. His early hybrid corn received no rain after it was laid by. Even on the best bottom land the crop was running 10 to 12 bushels an acre. Mr. Wegner tried to hedge by seeding a grain-sorghum crop in addition to the forage type. Due to heavy rains at seeding time he replanted 3 times and still got a poor stand. Chinch bugs further reduced the yield.

As a result of these conditions Mr. Wegner already has cut his hog numbers 50 per cent. He also will cull some heifer calves and older cows in his beef herd. These are his emergency measures. Next year he plans to sow lespedeza and oats to increase pasturing. "I had one pasture this year that was as dry as any year in the 1930's," says Mr. Wegner.

Paul Hartwick, also of Pottawatomie county, has a 150-cow herd of Herefords and usually has

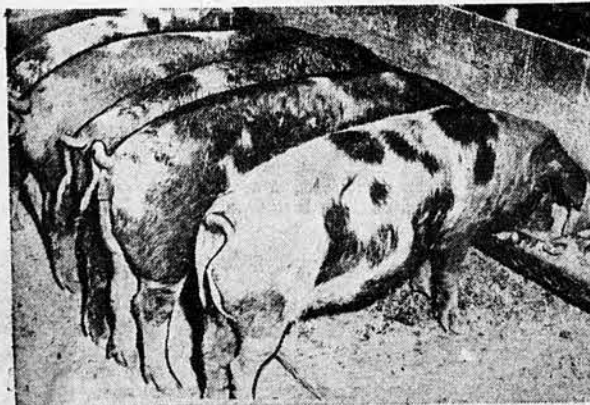
20 sows to farrow. The corn crop on this farm was a complete failure from a grain standpoint and went into the silo early. "I am short this year on both grain and roughage," reports Mr. Hartwick. "It isn't practical to buy this high-priced grain on the market in the hope that cattle and hog prices will stay up," Mr. Hartwick believes. Since hogs are the big grain eaters he already has reduced the number of sows from 20 to 5, a cut of 75 per cent. "I will sell more cattle than I had planned on and will rough the cows thru the winter," this farmer says.

Plans on the Hartwick farm, however, are being changed for the future in an effort to prevent a similar feed situation occurring again. "No more corn and oats for me," says Mr. Hartwick. "They both are too risky for this area." He is planning to rotate alfalfa and sorghum crops and increase his wheat acreage. Kafir and milo will be planted instead of corn for grain for the hogs.

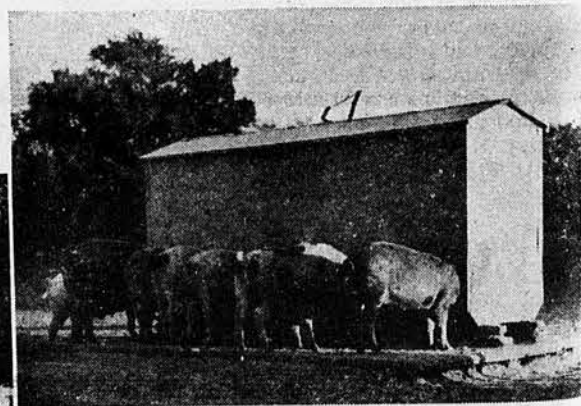
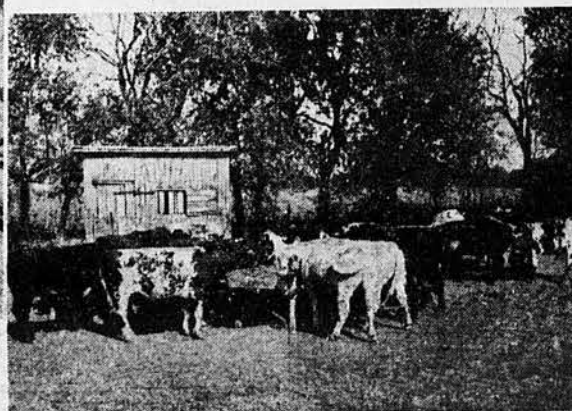
"It will have to be a roughage program this winter so far as I am concerned," reports Jess Falkenstein, another Pottawatomie county cattle and hog man. He usually has about 90 head of cattle and 70 to 80 head of hogs. This fall he has 30 beef cows, 30 head of 2-year-old heifers and steers and about 30 calves. "It's the 2-year-old stuff that is bothering me," says Mr. Falkenstein, "as I usually would feed them out." He points out that it would take 40 bushels of corn per steer to finish them out and he doesn't have the corn. Last year he had one 16-foot and one 14-foot silo filled with silage. This year he has 25 acres of sorgho that may get high enough to cut but will have no heads. He did put up 100 tons of prairie hay and 35 tons of alfalfa hay.

[Continued on Page 26]

These stags owned by William Schneider, Shawnee county, have made big gains without grain. Thirty head were purchased in December last year, averaged 500 pounds. They were roughed thru winter on hay and ensilage and went on grass last summer. They have nearly doubled their weight. After a short feed on grain, they will go to the packer. If Mr. Schneider did not grain them, someone would.



Harry Artz, of Osage county, will feed these hogs to profitable weights but is substituting ground milo for corn.



It takes grain to make pork. These hogs on the Ralph Coffman farm, Shawnee county, roam on alfalfa pasture, but need more than greens to grow into 200-pound porkers. Here they are digging into the self-feeder for a mixture of ground barley and milo.



# Farm Matters

## AS I SEE THEM

I AM leaving next Tuesday for Washington. At the request of President Truman, the Senate Foreign Relations Committee, of which I have been a member for the last 25 years or so, has been called to meet a week ahead of the special session of Congress, by Senator Vandenberg, of Michigan, chairman of the committee.

It is our understanding that the State Department will present to our committee a fairly complete account of the immediate needs of western Europe for assistance from the United States to get thru the coming winter. Especially as to the requirements of France and Italy, if these two countries are to be carried thru the winter, by the people of the United States. Unless we provide food for the Italians and the French peoples, we will be informed, these peoples may go Communist, and thereby turn over western Europe to Soviet Russian control.

From the information now available, my best estimate of the situation is that the special session of Congress will vote the necessary funds to carry this program into effect. It may require 600 million dollars, or it may require a thousand million dollars (which is one billion dollars). I have a hunch that Austria will be included in the program when it is presented to us.

The immediate effect will be to increase the demand for grains for export, especially the demand for wheat. It is my best judgment that the foreign requirements for wheat for the coming winter (1947-48) will be away above and beyond what we expect in normal times.

When normal times will return I do undertake to say. My best judgment is that what we are now having will continue thru 1948, and very likely thru 1949. The break may come in 1949, if the United States should produce another abnormally large wheat crop in 1948. As of today, I would say that is not likely, altho barely possible. But that the break will come sometime in the early Fifties, I would say is more likely. When the break comes, the wheat grower who is out of debt, who can afford to summer fallow, who can weather the prospect of drouth and/or lower wheat prices, will be in better position than the ones who are over-extended, or who have not set aside the necessary capital to go thru one, two or even three, not-so-good years.

What I have stated about the wheat growers' problems in the years ahead applies also to the livestock men. There is a concerted, and planned, determination apparently in Washington to discourage the eating of meat by the American people, and to encourage the eating of cereals and vegetables in place of meats. I do not regard this as a healthy program for the future. Admittedly it is easier for governments to control peoples who are not meat eaters, than it is peoples who regard meats as an essential part of their diets. But I am not one of those who believes that a people who are subservient to the dictates of a government are the people who, in the language of the Declaration of Independence, are in the best position to engage in the pursuit of happiness.

It seemed to me that the President, in his broadcast to the American people immediately following his calling of the Congress into special session, attempted to pave the way for the reimposition of price and production controls in the United States. I am opposed to such a program. It would spell the end of economic freedom in this country. It would mean the end of political freedom in this country. It would result in Collectivism, in Socialism, in Stateism, and ultimately in Communism.

I do not believe in Collectivism, in Socialism, in Stateism, nor in Communism. Consequently I must oppose such a program, if reimposition of these controls is urged upon the Congress by the President when the special session convenes. And I shall oppose it in the next regular session of Congress, also. I shall oppose this kind of program as long as I remain in the Senate of the United States.

As I see it, the hope of mankind rests on America remaining strong; on America remaining true to the principles of liberty and freedom for the individual, as enunciated in the Declaration of Independence and in the Constitution of the United States. In my opinion, the strength of the United States, and the survival of those principles, are in serious danger today, in the United States of America. And it is in that state of mind that I am leaving next Tuesday night for Washington to pass judgment on whatever program is recommended to Congress by the President.

### Two Sides to the Story

I AM glad farmers are worth more today than they were 8 or 10 years ago. I am pleased, along with farmers, that their income is higher. From the records we find that agriculture's assets now are placed at 111.2 billions of dollars. More than twice as much as in 1940. That is big money—\$111,209,000,000—to give round numbers. This compares with farm assets of \$53,805,000,000 in 1940. The value went up 13 per cent in 1946 alone, according to the Bureau of Agricultural Economics.

Over on the cash income side of the ledger I find that U. S. farmers last year got more than 24.5 billion dollars from sale of farm products. This total is rated at 208 per cent above the 1935-39 average.

Now, if these figures told the whole story, farmers might well shoulder part of the blame for the present high cost of living. Town and city people look at their grocery bills, then read that farm assets are placed at 111.2 billions of dollars, and farm income at 24.5 billion dollars, and too many of them think they have found the villain in the cost of food. I have no doubt many of them wish they could be farmers.

However, the picture isn't quiet like that. And city folks should be told about it. For example, nearly half of the increase in agriculture's assets since 1940 is represented by higher farm real estate values. That is nothing more than "paper profits." Land values have gone up 74 per cent during the last 7 years. But that fact didn't put more dollars in any farmer's pocket, unless he sold his farm. In that case he would be out of business. Or if he bought another farm, he would be forced to pay the 74 per cent higher price.

The same thing is true in cities. Many folks in town have received fabulous offers for their homes—more than double what they paid for them years ago. But that offer didn't put more money in their hands, unless they sold. And if they sold they very likely had to turn around and pay double what some other property was worth. This is an inflated part of the picture that should be considered in its true light. Farmers and city folks—the real estate owners—haven't made an extra dollar by virtue of the increase in real estate values. Paper profits like those simply do not pay the bills. City folks certainly should be able to appreciate this fact. Especially if they are paying higher taxes on inflated property valuations.

Getting right down to facts, farm land is worth exactly what it will produce in crops and livestock. And that production doesn't change a great deal. It doesn't go up or down simply because the price of land is quoted higher or lower. To maintain the yields in bushels and pounds and tons, farmers have the job of saving the soil and feeding it. Soil isn't an inexhaustible asset. Overhead costs on a farm are comparable to operating costs in any other business or industry.

Here is another point, brought out by information from the Department of Agriculture. "Altho the physical assets of agriculture now have a much greater dollar value than in 1940, the quantity of these assets has changed little over the (recent) years." The value of livestock owned by farmers at the beginning of 1947, if figured at 1940 prices, would be about the same as on January 1, 1940. At 1940 prices, the value of crops during the last 7 years would have decreased slightly.

That ties in with the city idea that farmers are rolling in wealth at the expense of high grocery bills. But the other side of that picture, set out quite clearly by U. S. statistics, shows that farmers are paying a good deal more for things they buy. And it may surprise some folks to learn that farmers buy food, too. Nearly one fifth of a farmer's cash outlay for various commodities is for food.

But to get back to how much more farmers are paying for things they buy. Briefly, between January 1, 1940, and January 1, this year, the index of prices paid by farmers increased 85 per cent. This means that the \$20,471,000,000 in cash and bonds which farmers owned on January 1, this year, according to official figures, would buy no more than \$11,065,000,000 would have bought on January 1, 1940. It is a plain fact that farmers needed a big increase in prices of things they sell to even match increases in prices of things they buy.

If you look at our Kansas farm income at 208 per cent higher than the 1935-39 average, it seems quite a jump. But comparing that with the percentage increases of other incomes, and the fact that farmers had farther to go in the first place to catch up with other incomes, it isn't out of proportion.

I would like to call your attention again to one point already mentioned. It is the fact that the value of livestock owned by farmers at the first of this year, if figured at 1940 prices, would be about the same as in January of 1940. Also, at 1940 prices, the value of crops during the last 7 years would have decreased slightly. This means, I believe, that we are not ahead of 1940 in numbers of livestock and over-all production. That being the case we better not go too strong on reducing livestock and poultry production if we are going to feed this nation and other peoples around the world.

We can't afford to sacrifice our valuable herds and flocks. We can't produce the quality and variety of foods needed without them. And in our over-all policy we shouldn't overlook the fact that meat animals bring in 28 cents out of every dollar of farm income in the U. S. Poultry brings in 11 cents and dairy products 15 cents. In short, I don't believe cutting down on livestock and poultry production to any extent can possibly be the answer to feeding the world.

Arthur Capper

Topeka, Kan.

## Well, Sir, It's a Jet-Propelled Inflation

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

TRYING to think forward a few years, here are several things well worth bearing in mind.

1. The whole world—United States not excepted—is riding the wings of a jet-propelled inflation. China already is high in the stratosphere.

2. History does not record a case where inflation has not been followed by deflation; putting it more crudely, "booms" are followed by "busts."

3. United States and Russia are en-

gaged in a "cold" war for world leadership, domination, control or conquest, depending on your viewpoint. We are certain that Soviet Russia is preparing to conquer the world; that we only want to exercise an inspiring leadership in a world we do not understand.

Russia apparently is convinced that we are out for world conquest, in a world the Comintern believes it understands better than we do. So far the United States is losing the "cold" war, altho actually in a stronger position than Russia.

4. Western Europe, Greece and Turkey, Arabs and Jews in Palestine, China and Korea, probably later India, are pawns in the game—until the white races kill each other off to the extent they become pawns of the rising tide of color from the Orient—with Russia the half-way house.

5. Looking not quite so far forward, farm organizations, farmers themselves, the Department of Agriculture, (Continued on Page 28)





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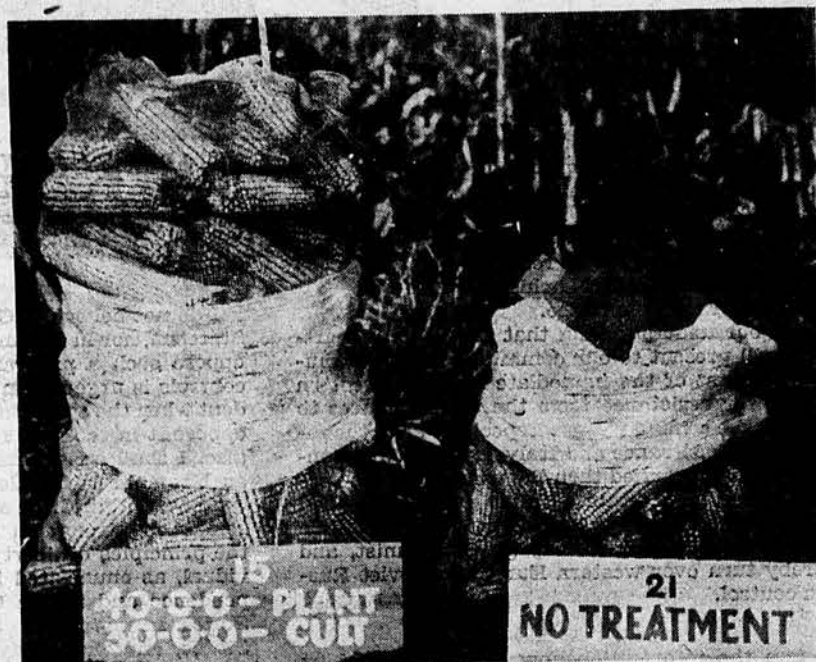
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## Nitrogen Prevents Firing Plant Starvation Causes the Trouble



Nitrogen brought an added yield of 30.2 bushels an acre on the Albert Shafer corn fertility test plot, Shawnee county. Corn getting 40 pounds of nitrogen at planting time and 30 pounds at the second cultivation made 65 bushels an acre (left), while the untreated plot made 34.8 bushels.

USE of sufficient nitrogen fertilizer on corn more than doubled yields in 2 out of 3 co-operative on-the-farm tests in Douglas and Shawnee counties this year.

On the Lawrence Leonard farm, in Douglas county, check plots receiving no fertilizer averaged 28 bushels an acre. In 20 plots to test the effect of varying amounts of nitrogen, yields increased in proportion to the amount of nitrogen used. An application of 50 pounds of nitrogen an acre at planting time, followed by 40 pounds as a side-dressing at the time of second cultivation, brought a yield of 93 bushels an acre. In other words there was an increased yield of 65 bushels an acre at a cost of only \$9 an acre for the amount of fertilizer used.

The Leonard farm is on Kaw bottom land but the field on which tests were made was low in fertility.

No results at all from use of nitrogen were obtained on the good but drouth upland soil on the Albert Cole farm, in Shawnee county. Check plots on this farm made an average yield of 51.1 bushels an acre. Addition of various amounts of nitrogen at planting time and at the second cultivation neither benefited nor harmed the yields. Apparently, reports Luther Willoughby, Kansas State College extension agronomist, this soil had all the fertility that could be supported by

subsoil moisture present during the corn-growing season.

While results were not so spectacular on the Albert Shafer farm, Shawnee county, as on the Lawrence Leonard farm, increased yields were very satisfactory.

Three check plots on this farm received no nitrogen. Yields on the 3 check plots were 36.2 bushels, 36.7 bushels and 34.8 bushels, which showed that the soil was uniform in fertility thruout the test area.

Plot 15 made the highest yield, 65 bushels an acre, following treatment with 40 pounds of nitrogen at planting time, and 30 pounds at the second cultivation about the middle of July. Additional nitrogen reduced yields.

The Shafer plots were on Kaw bottom land that had not been in a legume crop for 35 years.

Following 3 years of nitrogen tests on corn in Eastern and Central Kansas, Mr. Willoughby has observed that nitrogen prevents or decreases firing of the corn rather than increasing it, as had been feared at the start of these tests. "I am convinced now," says Mr. Willoughby, "that most firing of corn is due to nitrogen starvation."

The agronomy specialist points out that if nitrogen is used only once it is more likely to pay dividends if applied at the second cultivation than at planting time.

## Water From Pond Thru Syphon Pipe

IF YOU have a stock-water pond and failed to install a pipe thru the dam for a tank below so the pond could be fenced off, you still have a remedy.

That is the situation overcome by E. A. Olander, of Neosho county. He made no provision for piping the water below the dam at the time the pond was built, then decided he wanted a tank. The solution, he found, was to install a syphon system controlled by a float valve in the tank. The pipe from the bottom of the tank over the dam and to the deepest part of the pond was

buried about 18 inches underground. The syphon was established by using a small cistern pump at the tank outlet. There is a cutoff valve in the pipe above the tank so water can be cut off while the tank is drained and cleaned out.

This syphon system on the Olander farm has been in operation about 2 years and never has failed. The dam was seeded down to rye grass and red-top and has a good stand for erosion control. The pond has been stocked with fish.

## He May Try Other Breeds

SEVERAL dairymen in Northwest Kansas now are using artificial insemination, getting service from McCook, Nebr.

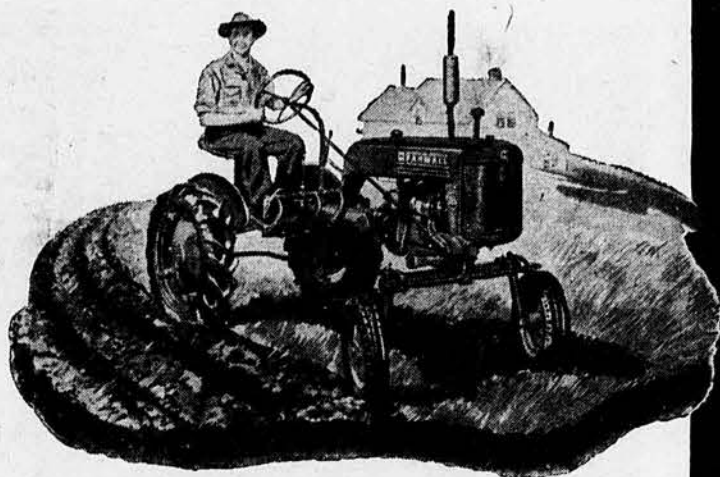
One Decatur county dairyman, Harold Lohofener, this year had 9 cows bred by artificial insemination with first calves due this fall. Seven of the cows required only one service. Here is what Mr. Lohofener thinks about artificial insemination.

"It is a little more trouble to watch the cows to see that they are serviced when ready. However, it would be impossible for me to keep a high quality

bull at the cost of artificial insemination, which averaged \$10 a cow on the 9-cow herd. If I get 50 per cent heifers from this breeding it will be pretty cheap."

Another thing about artificial breeding that interests this farmer is that he can try several breeds of dairy cattle. His own herd is composed of Holsteins but he would like to try Brown Swiss and possibly one other breed. "I couldn't afford to buy bulls of several breeds, but I can try different breeds thru this artificial insemination program," he explains.

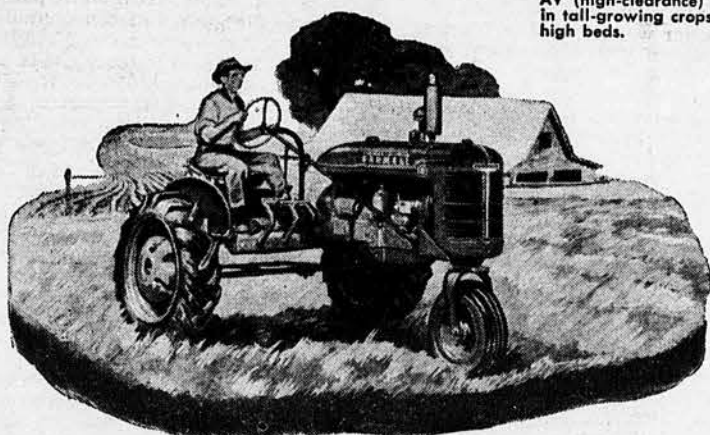




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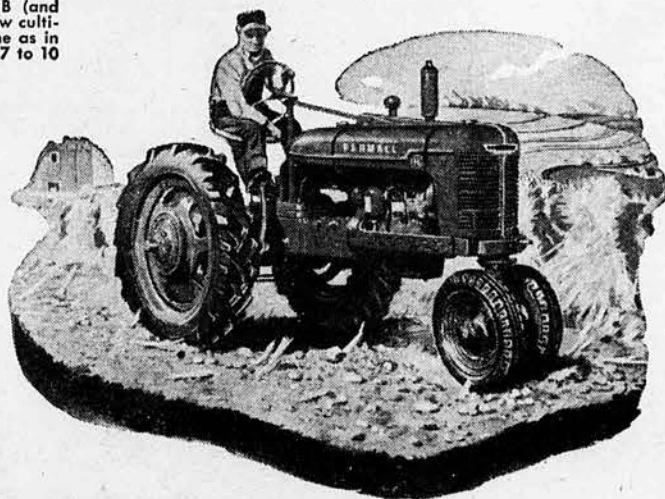


FARMALL A: a 1-row, 1-plow tractor with "Culti-Vision." Plows 3 to 7 acres a day; cultivates 14 to 17 acres a day. Also FARMALL AV (high-clearance) for working in tall-growing crops or crops on high beds.



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FARMALL H fits the average quarter-section farm to a "T." Pulls two 14-inch plow bottoms in normal conditions; cultivates up to 35 acres of corn a day. Five forward speeds on rubber. Also FARMALL HV (high-clearance) for working in tall-growing crops or crops on high beds.

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The demand for new Farmalls is still far ahead of supply, particularly for the popular new Farmall Cub and the husky Farmall M. Such popularity is the result of user satisfaction. As *every* farmer knows—FARMALLS ARE WORTH WAITING FOR. New developments are always coming in the Farmall System. Watch for them!

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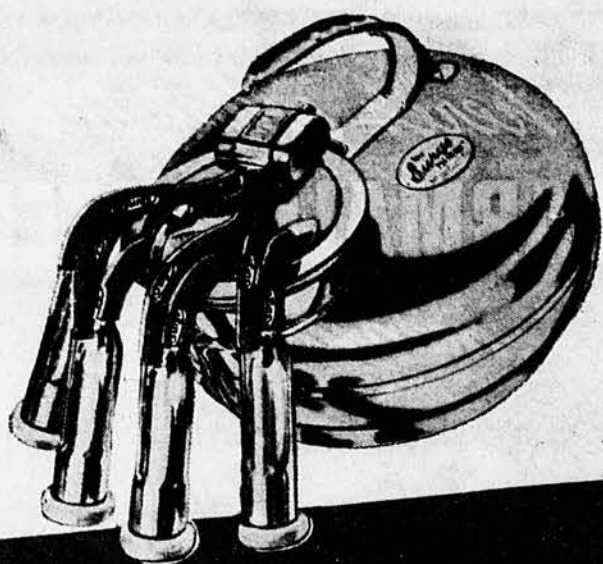
FARMALL M pulls three 14-inch or 16-inch plow bottoms; handles 4-row planters and cultivators and a 2-row corn picker. Also FARMALL MV (high-clearance); FARMALL MD (Diesel); FARMALL MVD.

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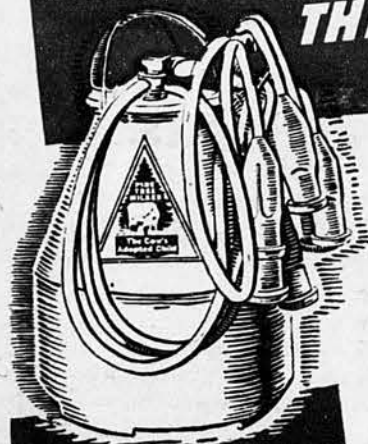
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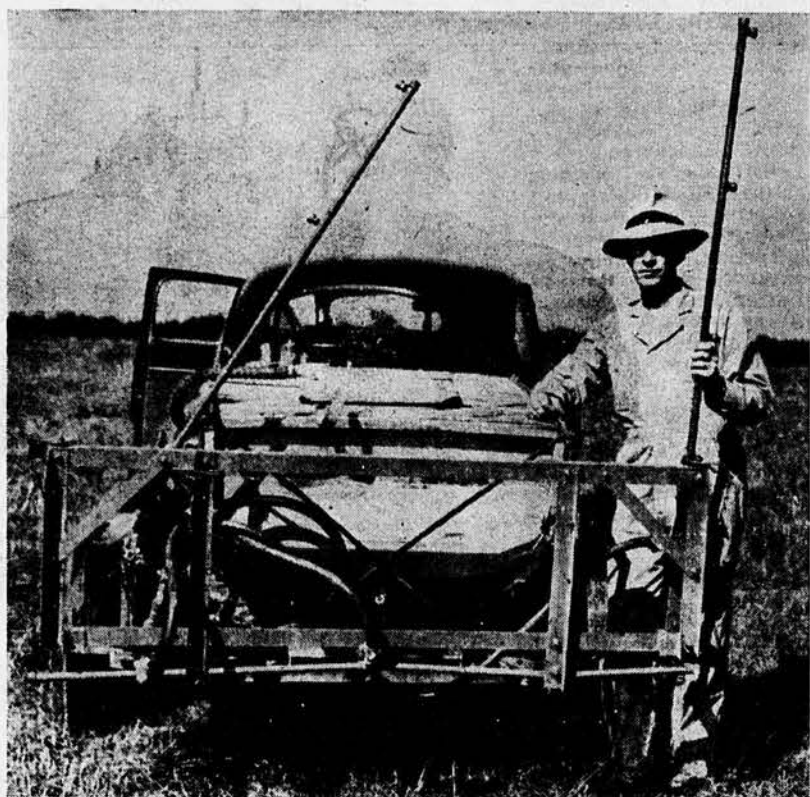
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## More Seed After Spraying



This spray attachment built by Walter Campbell, Osage county extension agent, can be used on crops and weeds. The 2 outside sections of the spray boom fold up, as shown by Mr. Campbell, for road travel.

USE of DDT and BHC for control of lygus bugs and webworm on alfalfa last summer, resulted in good seed crops for 2 Osage county farmers when most alfalfa failed to produce any seed.

The 2 farmers, Bertram Garard and W. C. Lowdermilk, dusted their alfalfa with 2 applications.

Mr. Garard used 20 pounds an acre of 10 per cent DDT for the first application, and made the application when alfalfa plants were about 6 inches high. The second application was put on just before bloom stage. Application consisted of 30 pounds an acre of 5 per cent DDT and 5 per cent BHC. His seed yield on Kansas common was slightly more than 3 bushels an acre. No seed was produced where alfalfa was not dusted.

Cost of dusting included \$2.72 an acre for the first application and \$3.75 an acre for the second application (ma-

terial cost only). Cost of labor was figured at about 15 cents an acre. About 60 acres can be dusted in a day. Returns on seed were \$54 an acre.

Mr. Lowdermilk used the same combinations of insecticides, and applications were made at the same time but he doubled the strength of both insecticides. His seed yield ran 4 bushels an acre.

According to Walter Campbell, Osage county extension agent, there isn't sufficient evidence to prove that a heavier application of the insecticides was responsible for the heavier seed yield.

One thing these farm experiments proved was that application of 5 per cent DDT and 5 per cent BHC did not control grasshoppers. Mr. Campbell also says additional experiments will be needed to determine whether dusting will be profitable in normal seed years when no webworm is present.

## Extra Grazing Results

ROTATING 2 native pastures every year gives cattle on the John Ellison farm, in Woodson county, lush grazing far beyond the normal season.

When we called on Mr. Ellison in October this year, his pastures were in excellent condition and cattle doing well.

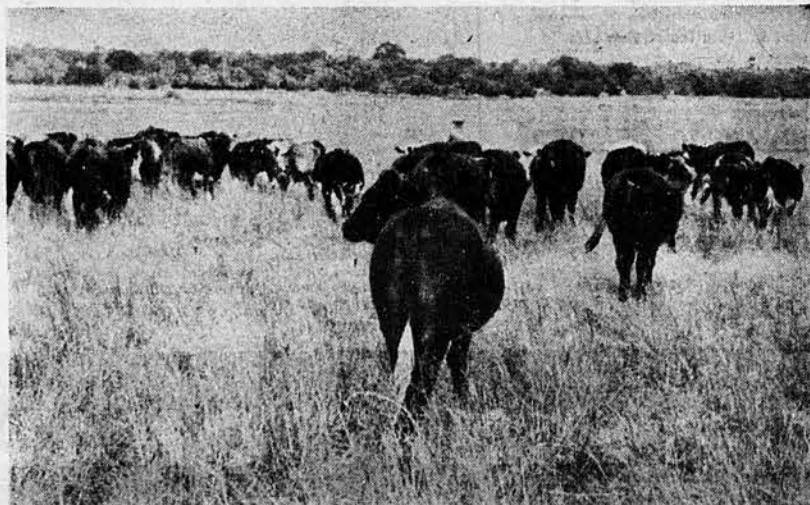
He started feeding about 40 head on grass July 19, until they were getting 18 to 20 pounds a day of ground ear corn and oats. About the middle of September he added 2 pounds of cake a day and was planning to market the cattle late in October. The cattle were turned on grass May 18.

In addition to native pasture, Mr. Ellison provides pasturing for the cat-

tle on alfalfa, oats stubble, lespedeza and sweet clover. "I don't usually pasture alfalfa," says Mr. Ellison, "but this fall I have been pasturing 18 acres of an old stand that failed to make a seed crop and I didn't need the hay."

Figuring the income from alfalfa hay and seed plus its soil-building qualities in the crop rotation, Mr. Ellison believes alfalfa is his most valuable crop. He now has 45 acres of alfalfa and phosphates it every spring with 150 pounds of 20 per cent phosphate.

The effect of sweet clover on a following crop of atlas was reported by Mr. Ellison. He said 8 acres of the atlas made 150 tons of ensilage.



These cattle on the John Ellison farm, Woodson county, still had good grass in October because Mr. Ellison rotates his pastures and uses temporary pastures to spread the grazing load.



## Dealers in Kansas

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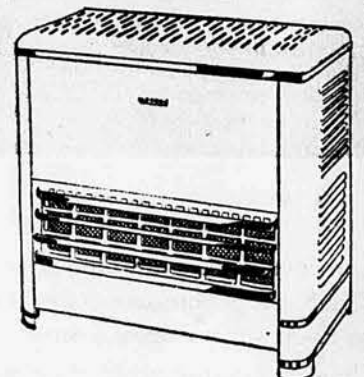


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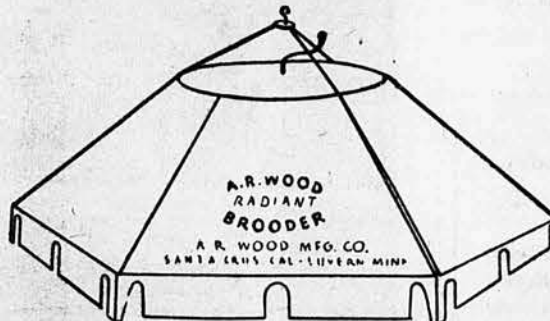


### GAS Circulators and Radiant HEATERS

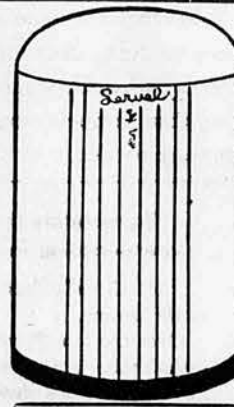
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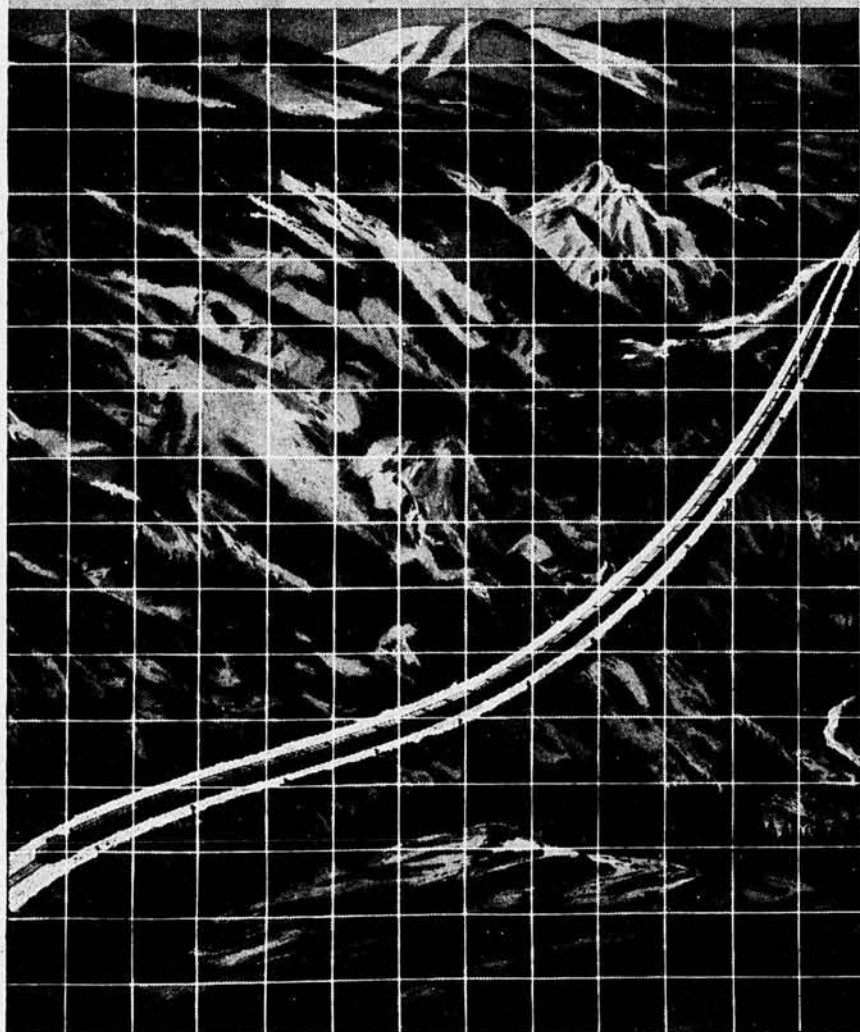
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American farmers are turning in a magnificent performance—the kind you chart with a climbing curve!

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For your railroads are hauling freight at the rate of more than a million tons a mile every minute: more grain and grain products than ever before in history, and other farm products in staggering quantities... plus raw materials for industry... and industry's finished goods.

In fact, American railroads are hauling *more tons more miles than ever before in peacetime!* And they are hauling this biggest peacetime traffic in history with fewer cars than they had on V-J Day.

Railroads have not been able to get new freight cars fast enough to replace those worn out in wartime service. About 90,000 new cars have been de-

livered and put to work. But they have not come as fast as they were needed. More than 110,000 additional cars are on order.

Railroads are currently furnishing about 90% of the cars shippers want—when they are wanted. And they will keep on doing their level best to speed the day when they can furnish *all* the cars that shippers need—on the day they are needed.

### To maintain this finest transportation in the world...

...the railroads must earn an adequate income.

Over the last 25 years—and that includes the war years—the railroads have earned an average of only 3 2/3% on their net investment.

Most people think 6% would be no more than fair.

And 6% is the minimum figure the railroads need to continue to provide the kind of transportation you want.

## Association of American Railroads

WASHINGTON 6, D. C.

## Painting With Soil

By RUTH McMILLION



This soil painting by Mrs. Ralph Norton indicates what can be accomplished with her new method. She calls this picture, "The Poker Game."

**P**ICTURES painted with soil. Lovely pictures with a soft, pastel-like surface and so characteristic of the west, yet painted with dirt. This is the hobby of Mrs. Ralph Norton, of Buffalo, Okla.

She is 73 years old, has always been interested in painting, particularly oils, but began to dwell on the possibilities of soil painting after spending 3 years in New Mexico. Here the Navajo Indians poured different colored dirt upon the ground to make pictures which the medicine man interpreted. She wondered why that form of art could not be put on paper, so 4 years ago Mrs. Norton began experimenting with her soil pictures.

First, she had to determine what medium could be used to insure the soils adherence to the paper. After trying a number of agents, even the white of an egg, she found plain water the best for mixing the loamy pigment.

Eight colored soils have been found—white, grays, creams, reds, browns and black. She has to shy away from blue skies and green grass as these colors are not in her paintbox. It is remarkable, however, what she can do without them.

In one boat scene one can feel the force of the storm. The water is alive and turbulent, the sky heavy and threatening and swift gulls swoop about a persistent boat. All done with creams and grays.

Another is a southwest Indian scene, "The Poker Game." Here, squatted amid sagebrush and sand a circle of Indians play at the game. One red-shirted buck gives a spark to the scene.

This red was obtained from their redbanks at home. Her gray, particularly suited to the painting of sagebrush and sought for a time was finally discovered in their farmyard; Mrs. Norton had walked over it for years.

A friend in the oil business obtained a blue-gray for her from a rotary drill bit from hundreds of feet underground. After drying out it was the same blue-gray she had in the yard.

Her yellow was obtained from a gravel pit and her white from their son's place where there are several white mounds. This material which dries to a very hard and white finish was used by the early-day settlers to whitewash the interior of their sod houses. There are purple tones from both Oklahoma and Arizona, but a true black had never been found until recently in Kansas.

Soils of a clay-like and of a soapy nature are best suited to her work. Sandy soil is the most undesirable of all.

Since the pictures have a dry, chalky finish similar to that of pastel paintings it is best that they be glassed over. Frequently a person can scarcely believe they are painted with soil and Mrs. Norton obligingly has several unframed so one may see and feel their texture.

She is very modest about her work and wants to be alone when she is painting. Hardly ever considers selling one but has given a number away.

One of the nicest and most fitting gifts at a recent golden wedding tea was one of Mrs. Norton's pictures. Mr. and Mrs. Sam Brown, of Ashland,



"Jonquils and Butterfly" is the title of this soil painting by Mrs. Ralph Norton.



old friends of the Nortons, celebrated their fiftieth anniversary. Both families had been early-day pioneers in Harper county, Oklahoma, so Mrs. Norton obtained soil from the old Brown place and painted in gold tones a covered wagon scene, the manner in which Mr. and Mrs. Brown had come to their homestead. The picture is an exquisite thing, well proportioned and beautifully blended. It has 6 tiny covered wagons rolling across the prairie.

School children frequently stop at Mrs. Norton's to see the pictures. Small boys particularly take a fancy to the bit of old west which they portray.

During the 40 years Mrs. Norton was on the farm she often dropped her work and climbed to the top of a nearby hill. The view was wonderful and repeatedly she expressed a desire for a house up there. A few years ago Mr. Norton and their son thoughtfully built a little cabin on her hill. Here she frequently relaxes and paints.

Mrs. Norton says: "The different effects that are obtainable with the few colors and their combinations mixed simply with water, have been a source of both surprise and pleasure to me, causing a greater affinity 'twixt this good earth and myself. And reminded me that in life we often walk heedlessly over hidden and obscure elements of interest and beauty put here for our pleasure and inspiration. Ours the privilege and perhaps duty to dig them out." This comment typifies the gracious and profound nature of Mrs. Norton, again a pioneer; today in the field of a new western art.

## Dairy Meetings In 22 Counties

**T**WENTY-TWO Kansas dairy testing associations will hold annual meetings and schools during December, announces J. W. Linn, Kansas State College extension dairyman. Mr. Linn will be assisted in the program by R. L. Stover, also an extension dairyman at the college.

"Production of cows in testing associations has increased almost 100 pounds of butterfat annually since the associations were organized in 1912," Mr. Linn points out. "Average production of association cows in 1946 was 351 pounds. In 1912 it was only 254 pounds. Average production of all Kansas cows in 1946 was 172 pounds."

Places, counties, and dates of the annual meetings, as announced by Linn, are:

Marion, Marion, December 1; Topeka, Shawnee, December 2; Emporia, Lyon, December 3; Arkansas City, Cowley, December 4; El Dorado, Butler, December 5; Hays, Ellis-Russell-Osborne-Phillips, December 8; Lawrence, Douglas-Franklin, December 8; Great Bend, Barton-Pawnee-Stafford, December 9; Altamont, Labette-Montgomery, December 9; Dodge City, Ford-Finney-Gray-Meade-Clark-Comanche-Kiowa-Pratt-Edwards, December 10; Erie, Neosho-Crawford-Wilson, December 10; Harper, Harper-Kingman-Barber, December 11.

Toia, Allen-Bourbon, December 11; Wichita, Sedgwick-Sumner, December 12; Paola, Miami-Linn, December 12; Abilene, Dickinson-Saline, December 16; McPherson, McPherson-Rice-Ellsworth, December 17; Atchison, Leavenworth-Atchison-Jefferson, December 17.

Hutchinson, Reno, December 18; Hiawatha, Brown-Doniphan-Nemaha, December 18; Newton, Harvey, December 19; Greenleaf, Washington-Marshall, December 19.

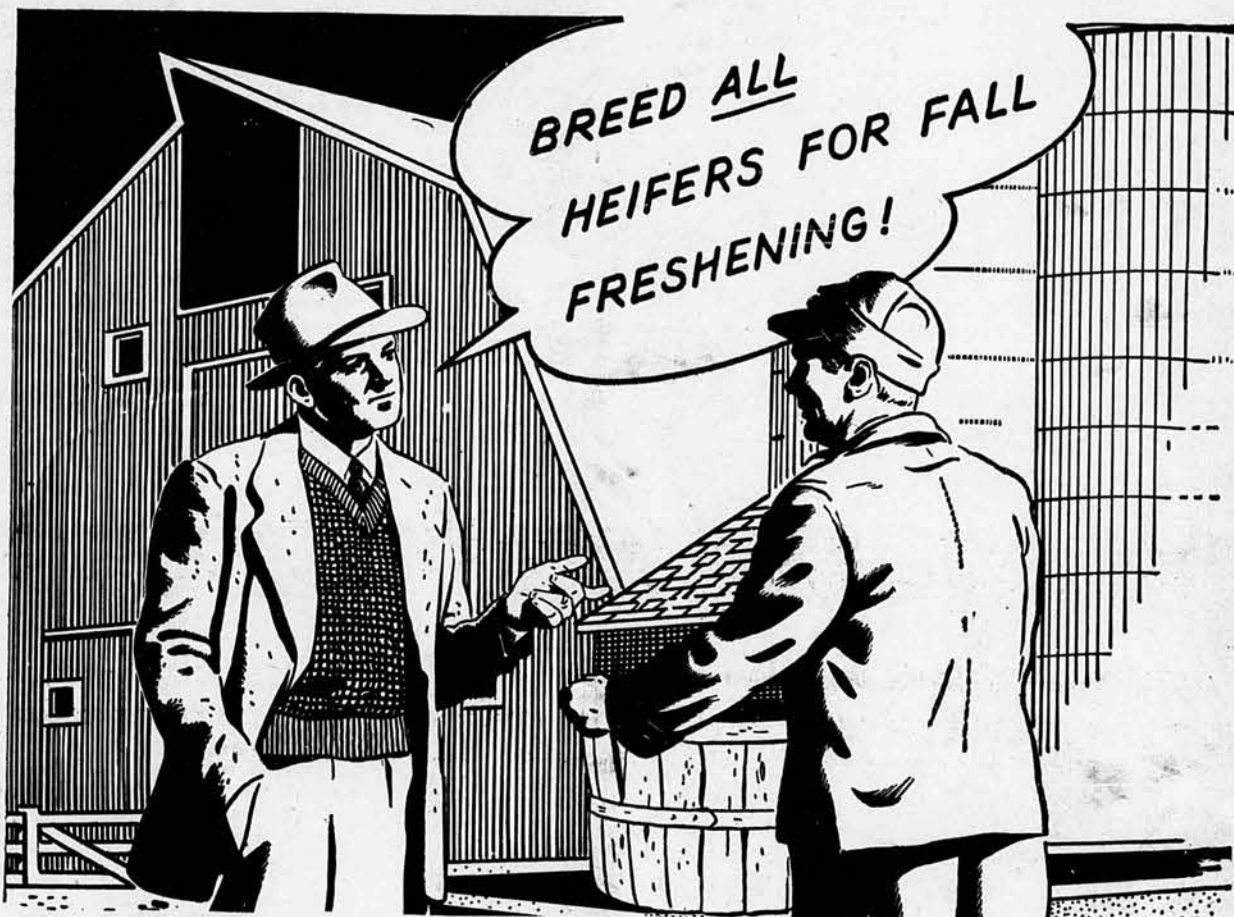
## Protects and Preserves

Window boxes should be white-washed before putting in the soil. This helps to preserve the wood and also keeps insect out.—F. W.

## New Recipe Book

A book that lists all the different meat cuts available to the homemaker, together with the correct methods of cooking each cut, will be found exceedingly useful, especially at this time. The booklet also features step-by-step instructions on the basic methods of meat cookery—roasting, broiling, panbroiling and braising; also menu-planning helps. Published by the National Live Stock and Meat Board, this 40-page booklet has actual photographs of meat dishes used to supplement the 81 printed recipes. Anyone interested in receiving a free copy of "Your New Meat Cook Book," may order it from Farm Service Editor, Kansas Farmer, Topeka.

# FALL freshening cows produce more milk



You can't switch your whole herd at once, of course, but you can breed your replacement heifers now for fall freshening in 1948. You'll get more milk from them . . . flush production next fall as well as in the spring . . . more uniform production throughout the year.

Fall calves are cheaper to raise; they can be

turned on pasture the next spring.

And fall freshening distributes your labor, is easier for you. The extra care of cows and calves comes at a time when you aren't as rushed by field work.

So start now to get the extra benefits and greater profits from a program of fall freshening.

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 marketing milk and other

dairy products. They indicate 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



## NOVEMBER NOTES

- ✓ Be sure you have a good sire lined up for your fall freshening program. If artificial breeding is available don't waste feed keeping a poor bull.
- ✓ Dust cattle for parasites such as lice which really bother cows and cut down milk production.
- ✓ Remember—milk needs quick cooling in the winter as well as in summer.



# The Best Layers You Ever Saw!



## GOOCH'S BEST LAYING FEEDS HELPS KEEP THEM THAT WAY!

Yes—Gooch's Best Laying Feeds help you get every egg your hens are bred to lay—helps them reach that egg-a-day goal that means big money for you.

Gooch's Best Laying Feeds are laboratory tested—and test fed under actual farm conditions—to prove their worth in helping you keep your birds up to full laying vigor.

Gooch's Best Poultry Feeds are packed in attractive dress print sacks—and no ink to scrub out with the easily removed paper label!



# GOOCH'S BEST LAYING FEEDS

## What Puts Pep in Apples?

By JAMES SENTER BRAZELTON

EXPERIMENTAL work of great interest to the apple grower is now being conducted at the University of British Columbia. Its aim is to determine just what it is in apples that gives those who eat them increased pep and vigor. It has been proved that apples have a vigor element or potent quality that other fruits do not have, which makes it possible for consumers to work faster or play harder with less resulting fatigue. Just what this strange element is scientists would like to know and that is what Dr. G. Howard Harris, professor of horticulture, University of British Columbia, is determined to find out.

It has long been known that apples have a high nutritional value. There is a lot in that truism of our grandfathers' time, "an apple a day keeps the doctor away." But scientists are not satisfied to let well enough alone. Better apples for human health seems to be their slogan. The latest idea is to breed varieties with a higher vitamin C content. There is an European variety, comparatively little known, called the Calville Blanc, that is exceptionally high in vi-

pollen clung to their legs and when the bees visited the apple blossoms the pollen was brushed off on the stigma of the flowers.

Red Delicious was the variety that was pollinated in this unusual way. With most apple varieties pollination is not a problem. But with Delicious this is not the case as it seems quite particular as to what varieties are used as pollinizers. In the Northwest growers have been hand pollinating for a long time but more economical methods of mass pollination are now being studied.

Apple thinning is another chore that is about to be minimized. Hand thinning is a slow and expensive process. When the new method of using chemical or hormone sprays at blossom time becomes a universal practice the hand method of removing excess fruit will seem quite antiquated.

Tomato plants on a farm in Westchester county, N. Y., treated with radioactive fertilizer showed a 30 per cent increase in weight yield over plants grown with ordinary fertilizer. In this experiment the radioactive substance used constituted about one-trillionth of the total fertilizer bulk. The theory that radioactive substances might increase the yield of crops sprang from the report of increased yields from 50 to 300 per cent in crops grown on the site of the atomic bomb blast at Nagasaki, Japan, 2 years ago.

Explanation has been advanced that the increased crop yield there this year has been due to a sterilization of the ground by the tremendous gamma or X rays of the bomb flash, and also the neutron rays resulting in the killing of all crop pests. It is predicted that the same effect might be produced in the future by planes flying over the ground with radioactive generators.

### Remember a Prediction

In an article titled, "Atomic Bombs Aren't Fruit, But . . ." published in Kansas Farmer for September 15, 1945, the writer stated that farmers should be especially interested in the atomic bomb and ventured the prediction that, "the release of atomic energy is bound to affect the future lives of every human being on earth." In the light of recent developments this prediction may not fall far short.

A meeting that all fruit growers will look forward to with a good deal of interest is being planned for February 17, 18 and 19, 1948, at St. Louis, when the American Pomological Society will celebrate its 100th birthday. This 3-day meeting is sponsored by the Missouri and Illinois horticultural societies, assisted by the National Apple Institute, The National Peach Council, the American Association of Nurserymen, and the American Society for Horticulture.

The American Pomological Society is the oldest national agricultural organization in America. Program for this great meeting is being arranged by Stanley Johnston, director of the South Haven, Mich., experiment station. Fruit displays will be in charge of Allen Purdy, of Missouri. W. R. Martin Jr., secretary of the Missouri State Horticultural Society, will be responsible for selling exhibit space.

The A. P. S. has produced a number of outstanding leaders in the fruit world. To mention only a few there are A. J. Downing, Marshall P. Wilder, the Lewellings, who brought horticulture to the Pacific Coast, Ephraim Bull, father of the Concord grape, and Nicholas Longworth, who brought the Concord to Ohio.

### Useful Information

- No. 8—Economical Use of Fuel in the Home.
- No. 10—Farm Implement Houses.
- No. 27—Farm Grinding of Grain and Forage.
- No. 42—Design of Barns to Withstand Wind Loads.
- No. 52—Electric Energy from Winds.

If in need of information on any of these subjects, we suggest that you write to Bulletin Service, Kansas Farmer, Topeka, for a copy of the bulletins you need. These are published by Kansas State College Engineering Experiment Station, and the information is reliable. The bulletins are free as long as the supply lasts.

tamin C, having almost as much as citrus fruits and considerably more than most commercial varieties. This variety is now being used in their breeding program at the New York State Experiment Station in an effort to increase the vitamin C content in new varieties.

The average apple grower perhaps does not realize the important part science has played in revolutionizing the apple industry in recent years. The discovery of DDT and the wonderful results that have been achieved in codling moth control would be quite enough. But in addition to that comes the speed sprayer which gives even surer control.

### Halt the Red Spider?

Enthusiasm for DDT, however, is dampened when this summer's tremendous build-up of red spiders is recalled along with the consequent damage. But the agricultural experiment station at Purdue University now comes out with the positive statement that codling moth can be controlled with only 2 applications of DDT which, of course, puts an end to the destructive build-up of red spiders. This assertion, made by the scientists at Purdue University, is based on demonstrations carried on for 2 successive seasons.

The United States Rubber Company has just announced an entirely new insecticide that is said to be 4 times more potent than DDT. This new poison, called Synklor, has been shown by laboratory tests to be particularly effective against grasshoppers and all household pests. Not sufficient experimental data is at hand to determine whether it will be suitable for orchard purposes. The new material is said to be not only a stomach poison but a contact poison as well. It is a 2-way product, insects are poisoned by eating it and paralyzed by touching it.

In South Carolina they are marketing apples commercially that were artificially pollinated last spring by pollen transported from orchards near Wenatchee, Wash. The pollen was flown to South Carolina by airplane and deposited in beehives equipped with devices requiring the bees to enter at one place and leave at another. The pollen was deposited so that the bees, on leaving the hive, had to walk thru it. The



"How come when I come in looking like that, I get spanked?"



# He's Looking into Your Future

The scientist in the agricultural laboratory is as truly a pioneer as our grandfathers who fought their way westward to the rich farmlands and the broad ranges of the west. He's looking into your future... seeing greater things! His findings, put to use by practical livestock men and farmers, are resulting in thriftier, faster-gaining cattle and lambs, grazing the Great Plains... higher yielding crops enriching the Corn Belt... new immunity from disease for your livestock. He is pioneering a better and more abundant life for you through new markets for your output, improved products for you to sell.

Miracles like hybrid corn seldom happen by chance. Into its development went more than 30 years of patient research. It cost federal and state governments about ten million dollars. Experiments on individual farms cost unknown amounts. But last year alone hybrid corn added more than \$750,000,000 to farm income. Thanks to research, we now have such chemicals as DDT. Chemists searching for an insecticide to protect our armed forces from malarial mosquitoes found this potent bug killer. Already, DDT has made livestock producers many extra millions through increased production of meat and milk from fly-free herds. One ranch reports an extra ton of beef for every pound of DDT used. What a return on a half-dollar investment!

There are similar thrilling stories being written in every phase of agriculture. Many of the new developments come from colleges and experiment stations (largely financed by taxes paid by individuals and business) or from laboratories supported by private industry. From them you get improved varieties of crops, better control of pests, parasites and diseases, and many another aid to production. The man who keeps abreast of scientific progress and applies it on his farm or ranch usually profits most. Your county agent, vocational agricultural teachers and farm and



ranch publications are your helpers to keep you abreast of latest research information.

Swift & Company, for many years, has engaged in extensive research on agricultural products. It enables us to develop new products; to improve existing ones; to produce better nourishment for your family, your livestock and your crops.

**Soda Bill Sez:**... little grains of sense can produce a big harvest of dollars.  
... take a good look at America—and be thankful!



## OUR CITY COUSIN



Old Tom heard City Cousin say—  
"What a meal for our Thanksgiving day!"

## Track Down the Facts

Old Ringtail, the raccoon, holes up in hollow trees. He's hard to track down without trained 'coon dogs... similarly, there are some hard-to-locate facts about any business. But no one needs any special "fact hunting" ability to get all the facts about what determines livestock prices.

A recent top price for beef steers on a midwest market was \$35, with an average of near \$30; best lambs, \$23.50, average \$23, and hogs were selling up to \$30, with a \$27 average. These prices for livestock are unusual but, in general, they are due to the demand for meats being greater than the supply. They reflect what the consumer is willing and able to pay for meats. All farmers and ranchers should remember these basic facts, whether prices are high or low. The price producers receive for their livestock is governed by what the packer can get for the meat and the by-products.



## Martha Logan's Recipe for

### TURKEY A LA KING (Yield: 6 Servings)

2 cups diced cooked turkey	1 cup sliced mushrooms
1/4 cup butter	2 tablespoons butter
4 tablespoons flour	3 tablespoons chopped pimento
2 cups top milk	2 egg yolks
1 teaspoon salt	buttered toast
1/3 cup chopped green pepper	

Make a white sauce of the butter, flour, milk, and salt. Sauté green pepper and mushrooms in the two tablespoons of butter. Add green pepper, mushrooms, pimento, and turkey to sauce. Heat slowly five minutes. Stir to prevent burning. Stir in beaten egg yolks. Serve on buttered toast.

## From the Editor's Notebook



Since the days of the Pilgrim fathers, Thanksgiving has been a heart-warming day for American families. This year we, more than any other nation, have cause to be thankful for an abundant harvest. In helping to feed America, we are thankful that we can add our efforts to those of the hardworking farm and ranch families who produce our food.

If you plan to visit the International Livestock Show in Chicago, November 29 to December 6, plan also to visit us at Swift & Company. Competent guides will gladly show you along the Visitor's Route through our plant. All of us in the Agricultural Research Department cordially invite you to drop in for a chat. We'll be looking for you!

Producers who attend the International Livestock Show, particularly those who come in from distant points, will quickly realize why the livestock-meat industry needs nationwide meat packers, like Swift & Company. Two-thirds of the nation's livestock is produced west of the Mississippi River, but two-thirds of the meat is eaten east of the Mississippi. This means that, on the average, there is a gap of more than 1,000 miles between major producing areas and major consuming centers. There has to be somebody to bring the producer and the consumer together. Helping to bridge that gap between the western range and the kitchen range efficiently and economically is one of the chief services performed by Swift.

**F.M. Simpson.**  
Agricultural Research Department



I. B. Johnson

## Soft Corn Fattens Livestock

by I. B. Johnson  
South Dakota State College

Soft, moldy corn has been fed successfully and profitably in each of three years to fattening cattle, hogs and sheep at the South Dakota Agricultural Experiment Station. This corn gave the greatest returns when fed during the winter as compared with spring and summer feeding. The gains per bushel were reduced after the beginning of warmer weather in April. The soft ear corn had the following approximate values when compared with No. 3 ear corn in the rations fed during the winter months: 82% when fed to yearling steers; 78% when fed to yearling lambs; 76% when fed to hogs and feeder calves.

The soft, moldy corn was palatable to cattle and sheep. When soft and hard corn were offered in separate bunks to other cattle on feed in 1943, the soft corn was always the first to be consumed. The lambs fed soft ear corn usually cleaned their feed bunks more rapidly than those getting hard ear corn.

The soft corn was fed without any special preparation such as drying, salting, shelling, crushing or grinding. It was stored in uncovered piles on the ground and fed field run. When broken ear soft corn was fed to cattle and sheep, wastage was reduced. Shelled soft corn and ground soft ear corn were eaten readily, but were difficult to store as they heated and further molds developed.

Studies made on soft corn piled on the ground in eastern South Dakota indicate that it can be so stored only during the winter months. If the amount of soft corn is greater than that which can be fed before the beginning of warm weather, it should be stored in narrow cribs to allow it to dry out rapidly with the coming of spring. Another desirable practice is to make it into silage by running the soft ear through the ensilage cutter.

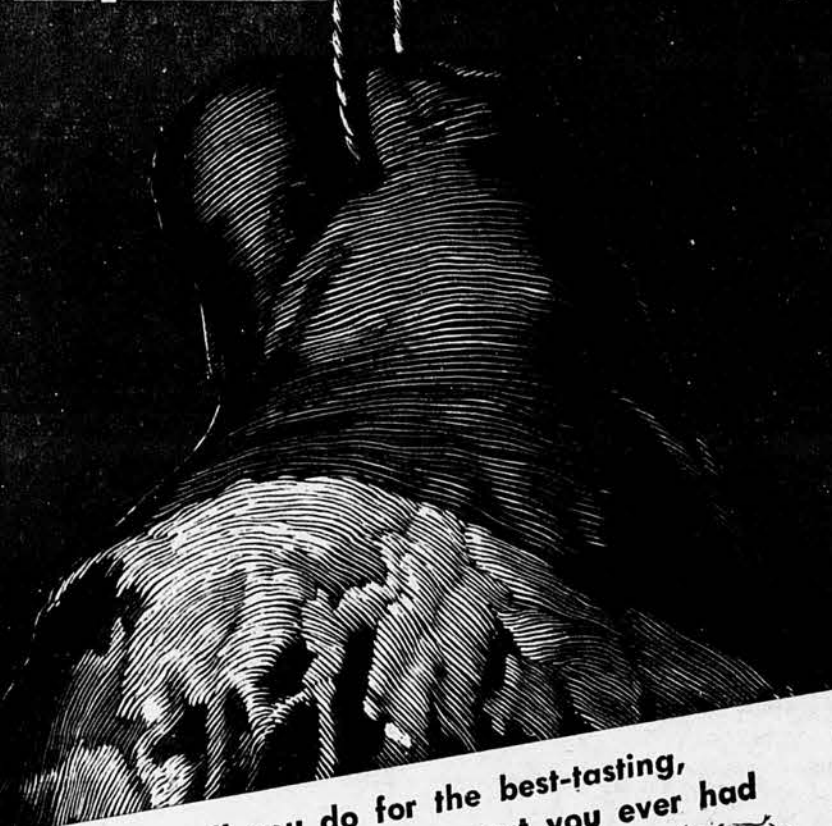
If you want additional information, write the Animal Husbandry Department, South Dakota State College, Brookings, South Dakota.

**SWIFT & COMPANY**  
UNION STOCK YARDS  
CHICAGO 9, ILLINOIS

**NUTRITION IS OUR BUSINESS—AND YOURS**  
Right eating adds life to your years—and years to your life



# Cure your meat this improved Morton Way



Here's all you do for the best-tasting, best-keeping meat you ever had



**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 with Morton's improved Sugar Cure, which strikes in, curing from the **OUTSIDE** toward the center — gives a thorough cure, long-keeping quality, and rich, wood-smoke flavor you'll like.



**MIX** Morton's Sausage Seasoning with the trimmings and grind for delicious country sausage. This rare blend of salt, peppers, sage, and other spices is expertly blended, ready for use.

There's no substitute for the Morton Way of Curing Meat... for the safer, more uniform cure it gives from rind to bone... for the mild, delicate flavor it imparts to hams, shoulders, bacon.

The improved Morton's Tender Quick and Sugar Cure this year will give you curing security and finer meat plus a certainty of results, and a richness of flavor you can get in no other way. Morton Salt Co., Chicago 4, Ill.

Cure your meat the improved  
**MORTON WAY**  
Better than Ever



Get a Copy of this important book on meat curing

More than 1,000,000 copies of "Home Meat Curing Made Easy" have already gone in to farm homes. Shows how to butcher, dress, chill, and cure pork, beef, veal, and lamb...to make smoked turkey, Canadian Bacon, sausage. Tells

the important things to do to get long keeping quality and fine flavor in home cured meat. Send for copy today. Just write name and address on margin and mail with 10¢ in coin to Morton Salt Co., 310 S. Michigan Ave., Chicago 4, Ill.

## O'Bryan Topped the Royal

Oklahoma Entries Dominated the Show

**ALTHO** livestock numbers at the 1947 American Royal, at Kansas City last week, were at a record high, Oklahoma completely dominated the show. This was especially true in the F. F. A. and 4-H Club shows where, in some classes, Oklahoma had 100 per cent of the entries. As a result Oklahoma exhibitors walked off with a lion's share of the winnings.

Outstanding record for any one exhibitor in the whole livestock show, however, went to Joe O'Bryan, of Hiattville. Mr. O'Bryan exhibited the champion Hampshire sow and boar, the champion load of barrows of any breed, the prize carlot of heavyweight hogs, the champion Hampshire barrow, and the champion pen of 3 Hampshire barrows.

Dan Casement, veteran Manhattan livestock exhibitor who has shown many prize carload lots of fat cattle at the American Royal, this year switched to the horse division but continued his winning ways. Mr. Casement showed the grand champion Quarter Horse stallion at the show.

Results of the American Royal Livestock Show are as follows:

### F. F. A. Livestock

**BEEF:** Champion Angus, Dale Morgan, Madison, Mo.; reserve, Dale Morgan, Madison, Mo. Champion Hereford, Melvin Hoffman, El Reno, Okla.; reserve, Ray Gene Cinamon, Garber, Okla. Champion Shorthorn, Claude Millwee, Ft. Cobb, Okla.; reserve, Bob Kreiger, Wisner, Nebr. Champion F. F. A. steer, Melvin Hoffman on a heavy Hereford; reserve, Claude Millwee on a heavy Shorthorn. Reserve grand champion junior division, Melvin Hoffman, El Reno, Okla.

**FAT HOGS:** Grand champion fat hog, Bill Struck, Kingfisher, Okla., on a Duroc; reserve, Wiley Stowers, Garber, Okla., on a Chester White.

**FAT LAMBS:** Grand champion fat lamb, Douglas Doak, Hallsville, Mo.; reserve, Kieth Groom, Perry, Okla.

### 4-H Club Livestock

**BEEF:** Champion Angus, Ronald Paasch, Walnut, Ia.; reserve, Doris Dalbey, Burlington, Mo. Champion Hereford, Gary Lee Evans, El Reno, Okla.; reserve, Rosalie Peters, Leeton, Mo. Champion Shorthorn, Billy Burns, Calhoun, Mo.; reserve, Dale Tindall, Burlingame, Kan. Champion 4-H steer, Ronald Paasch on a heavy Angus; reserve, Gary Lee Evans on a heavy Hereford.

**FAT HOGS:** Champion 4-H Club fat hog, Milos Hardy, El Reno, Okla.; reserve, Jackie Hunt, El Reno, Okla.

**FAT LAMBS:** Champion 4-H Club fat lamb, Sally Ann Chitwood, Garber, Okla.; reserve, Billy Moehle, Enid, Okla. Grand champion, junior division, Sally Ann Chitwood (4-H) Garber, Okla.; reserve, Douglas Doak (F. F. A.), Hallsville, Mo.

Results of open classes were as follows:

### Beef

**ANGUS:** Champion bull, Bates Brothers, Ada, Okla., on Prince Envious of Bates; reserve, Robert E. Green, Oaktown, Ind., on Epponianmere 2nd; champion female, Green Valley Farm, Liberty, Mo., on Elsa of RLS; reserve, F. M. Bradley & Sons, Avon, Ill., on Miss Burgess Maid of Afton 5th; champion steer, Edward Stanford, Dale, Okla., on an unnamed entry.

**HEREFORDS:** Champion bull, Wyoming Hereford Ranch, Cheyenne, on WHR Star Duke; reserve, C. A. Smith, Chester, W. Va., on H. C. Larry Dom. 12th; champion female heifer, Milky Way Hereford Ranch, Phoenix, Ariz.; reserve, John E. Taylor, Great Bend; champion Hereford steer, Kansas State College; reserve, Orvil Smith, Colorado City, Colo.

**SHORTHORN:** Champion bull, Brown Forman Experimental Farm, Louisville, Ky., on Sni-A-Bar Randolph Roan; reserve,

Merryvale Farm, Grandview, Mo., on M F Supreme 5th; grand champion female, Mathers Brothers, Mason City, Ill., on Levaldale Princess; reserve, Merryvale Farms, Grandview, Mo., on Veronica of Helfred 7th; champion steer, Keith Fruits, Tonkawa, Okla.; reserve, Oklahoma A. & M., Stillwater, Okla.

### Special State Show

**MILKING SHORTHORNS:** Senior and grand champion bull, Weldner Prairie Farm Dalton City, Ill., on Prairie King; junior champion, Irvin F. Meyer & Sons, McGregor, Ia., on Wachusett Melody; senior and grand champion female, Retnuh Farms, Geneseo, Kan., on Retnuh White Stylish; junior champion, Rye Brothers, Avalon, Wis., on Robin Hood's Princess.

### Swine

**FAT BARROWS:** 25 head weighing 175 pounds and under 225 pounds, Geo. Hamerlund & Sons, St. Marys, Kan., (Polands), first; 25 head weighing 225 pounds or more, O'Bryan Ranch, Hiattville, Kan., (Hampshires), first; champion load of barrows, O'Bryan Ranch.

Prize carlot heavyweight hogs, O'Bryan Ranch, Hiattville, Kan.

**BARROWS:** Champion Hampshire barrow, O'Bryan Ranch; champion pen of 3 Hampshire barrows, O'Bryan Ranch.

Champion Duroc barrow, Charles Brown, Chickasha, Okla.; champion pen of 3 Duroc barrows, Junior Bazar, Chickasha, Okla.

Champion Poland China barrow, Richard Robertson, El Reno, Okla.; champion pen of 3 Poland China barrows, White Cloud Farms, Barnard, Mo.

Champion Spotted Poland barrow, Victor Ousley, Brunswick, Mo.; champion Chester White barrow, Milos Hardy, El Reno, Okla.; champion pen of 3 Chester White barrows, Hancel Littrell, Marlow, Okla.

Champion Berkshire barrow, Jackie Hunt, El Reno, Okla.; champion Hereford barrow, Wilton Adkins, Savannah, Mo.

Grand champion barrow of show, Richard Robertson (4-H Poland China), El Reno, Okla.; reserve champion, O'Bryan Ranch (Hampshire), Hiattville; grand champion pen of 3 barrows, Junior Bazar, Chickasha, Okla.; reserve champion pen, Hancel Littrell, Marlow, Okla.

**DUROC:** Champion boar, Rother's Stock Farms, Ponca City, Okla.; champion sow, Rother's Stock Farms.

**POLAND CHINA:** Champion boar, White Cloud Farms, Barnard, Mo.; champion sow, White Cloud Farms.

**SPOTTED POLAND:** Champion boar, Victor Ousley, Brunswick, Mo.; champion sow, John E. Zwerl, Brunswick.

**HAMPSHIRE:** Champion boar, O'Bryan Ranch, Hiattville; champion sow, O'Bryan Ranch.

**BERKSHIRE:** Champion boar, Capps Farm, Liberty Mo.; champion sow, Capps Farm.

**HEREFORD:** Champion boar, Sellers Brothers, Charlton, Ia.; champion sow, Sellers Brothers.

**CHESTER WHITE:** Champion boar, Lloyd Cole, North Topeka; champion sow, Joseph Madden, Maryville, Mo.

### Sheep

**HAMPSHIRE:** Champion ram lamb, Belmar Ranch, Denver, Colo.; champion ewe, William Duncan, Lake Villa, Ill.

**SOUTHDOWN:** Champion ram, Oklahoma A. & M. College Stillwater, Okla.; champion ewe, Oklahoma A. & M.

**SHROPSHIRE:** Champion ram, E. H. Rotter & Son, West Point, Ia.; champion ewe, E. H. Rotter & Son.

**CHEVIOTT:** Champion ram, Alvin L. Helms & Son, Belleville, Ill.; champion ewe, Alvin L. Helms & Sons.

**CORRIEDALE:** Champion ram, University of Nebraska; champion ewe, Clifford I. Chrouser, Kettesville, Mo.

**RAMBOUILLET:** Champion ram, Oren A. Wright, Greenwood, Ind.; champion ewe, Oren A. Wright.

**WETHER LAMBS:** Grand champion wether lamb, Oklahoma A. & M.; reserve, Douglas Doak, Hallsville, Mo. (F. F. A.)



"Yes, I'm keeping a record of the good times we've had together—IT'S IN MY CHECK BOOK!"



"So women haven't a sense of humor? That's so they would love men instead of laugh at them!"



grand champion pen, Oklahoma A. & M.; reserve, Oklahoma A. & M.; Champion fleece, Clifford Chrouser, Keytesville, Mo.; reserve, Charles Summers, Hershey, Nebr.

#### Horses and Mules

**PERCHERON:** Senior and grand champion stallion, Henry A. Brandtjen, Farmington, Minn., on Top Sergeant; junior and reserve, Ralph L. Smith Farms, Chillicothe, Mo., on Colonel Marceau; junior and grand champion mare, Brandtjen on Lakewood Joy; senior and reserve, Brandtjen on Lakewood Drangonette.

**BELGIAN:** Senior and grand champion stallion, Ralph L. Smith Farms, Chillicothe, Mo., on Buster de la Barre; reserve senior and grand, S. H. Hays, Warrensburg, Mo., on Sugar Grove Major II; junior champion, C. G. Good & Son, Ogden, Ia., on Ray Farceur; senior and grand champion mare, Ralph L. Smith Farms on Roberta de la Barre; reserve senior and grand, S. H. Hays on Constance Farceur; junior champion, J. F. Begert, Topeka, on Myra.

**QUARTER HORSE:** Grand champion stallion, Dan D. Casement, Manhattan, on The Deuce; reserve, Norma & P. C. Ferguson, Woodward, Okla., on Boy's Buck; grand champion mare, J. F. Krey, St. Louis, Mo., on Mosca.

**MULES:** Grand champion mule, Nelson Miles & Son, Norborne, Mo.; champion horse mule, C. W. Heath, King City, Mo.; champion mare mule, Nelson Miles & Son.

## Insect Battle Starts Soon

WITH a goal of more meat and milk from beef and dairy cattle, a nation-wide livestock insect-control program will be started at Kansas State College on November 13. Dr. E. G. Kelly, extension entomologist at the college, has announced.

"This program can make a tremendous contribution to the food and feed conservation campaign now under way. Insects and rodents take an enormous toll annually, not only of meat and milk but also of grains," said Kelly.

The insect-control program is designed to influence cattlemen and dairymen in states west of the Mississippi to eradicate cattle grubs and lice. Doctor Kelly believes such a program can save millions of pounds of meat, and can eventually reduce the number of grubs and lice to so small a number they will no longer be a menace.

Appearing on the hop-off meeting, which will be broadcast over radio station KSAC from 12:30 to 1:30 p. m., November 13, will be nationally known insect authorities such as Dr. E. F. Knippling, Bureau of Entomology and Plant Quarantine, Washington, D. C., and Dr. E. W. Laake, principal entomologist of the bureau at Dallas, Tex.

Doctor Knippling will discuss the livestock insect program from a national viewpoint, emphasizing the importance of cattle grub and lice control in Texas, Oklahoma, New Mexico, Colorado, Kansas, Missouri, Nebraska and Wyoming. Doctor Laake's talk will give comparisons of grub-free and grub-infested animals, and the value of eliminating grubs so they will not appear the next season.

Other speakers are: J. C. Cash, president of the Kansas City Stockyards Co.; Ray L. Cuff, regional manager, National Livestock Loss Prevention Board, Kansas City; Roy Freeland, assistant secretary Kansas State Board of Agriculture, Topeka; J. W. Linn, extension dairyman, Kansas State College; Howard Myers, extension agent, and Elmer Imthurn, farmer, both of Wabaunsee county, and Doctor Kelly.

Mr. Cash will point out how cattlemen can make their livestock worth more by controlling grubs. Utilization of scarce feed and native grasses, and the importance of parasite control, will be discussed by Mr. Freeland. Repeal of the cattle louse tax is Mr. Cuff's topic. The extension dairyman, Mr. Linn, will speak on the relation of grub control to milk production, and emphasize the need to clean up insect infested young stock. Wabaunsee county's experimental work in cattle grub and lice control will be told by the county agent and Mr. Imthurn. Doctor Kelly will summarize 1946-47 results and outline the program for 1947-48.

## Mend Broken Glassware

To mend glass successfully, melt a small quantity of pulverized alum in an old spoon and, before it hardens, rub the alum over the pieces to be united, press them together and set aside to dry. They will not come apart even when washed with hot water.—Mrs. O. W. Thompson.

# FORECAST: RAIN



**You can usually expect rain if the weather man predicts it. But not always—Mother Nature still has the final word.**

**6-Year-Proved...  
NOW BETTER THAN EVER!**



Fortified Tagolene and Fortified Tagolene Heavy Duty Motor Oils are now improved, dedicated more than ever to the health and efficiency of your engines! Proved in over 6 years of use, they're a finer value today than ever before. Order today!

- LAST LONGER
- MINIMIZE ENGINE WEAR
- PROTECT BEARINGS
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- KEEP PISTONS AND RINGS FREE-ACTING

**MONEY-BACK GUARANTEED!**



**ON THE AIR!**



Lloyd Burlingham brings you farm news and weekly SKELLY Agricultural Achievement Awards, every Saturday morning over NBC at 7:00 A.M. (WMAQ, Chicago, at 6:45 A.M.)

And Alex Dreier presents the first network news commentary of the day, Monday thru Friday, same time, same station.



Here's something you can predict—and be sure of the outcome: how well your farm equipment is going to serve you.

It will serve you well if you give it good lubrication—and here's where your SKELLY Tank Station Salesman or Jobber is ready to help. He has a complete, high quality line of SKELLY farm lubricants and fuels designed to protect every piece of machinery you own. Use them and you can safely predict "smooth going."

Talk over your lubrication problems with him—he's trained and experienced to help you solve them. And don't forget—every product you buy from him is money-back guaranteed to satisfy you.

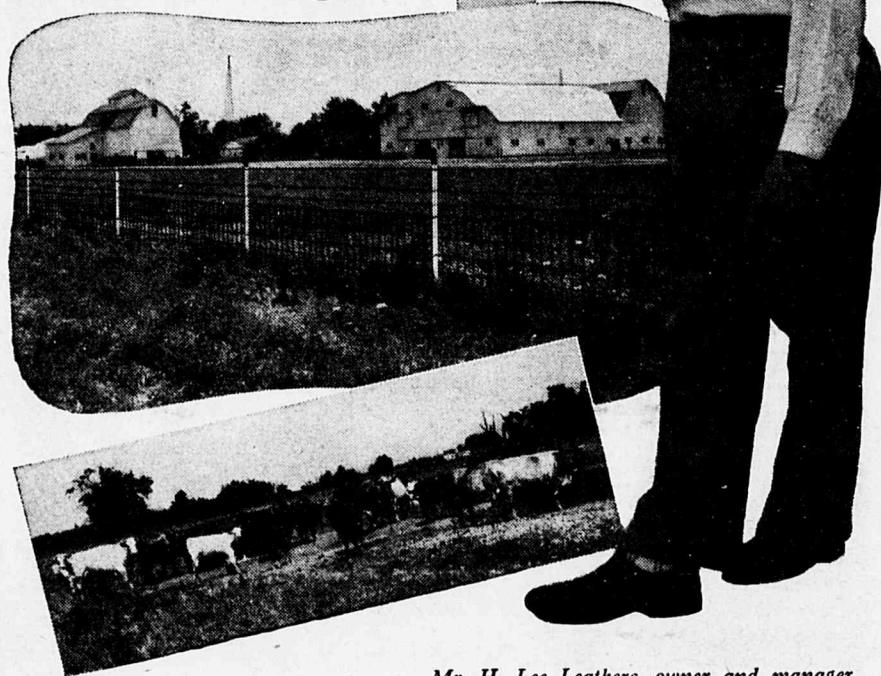
**Get in Touch with Your**

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**Tank Station Salesman  
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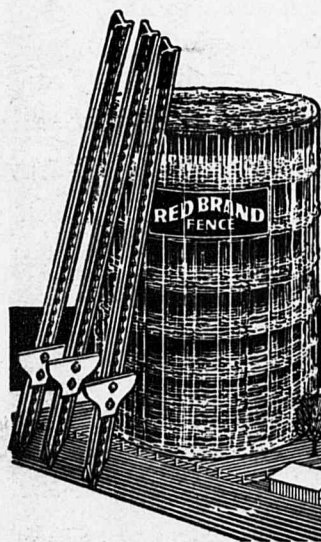
# "GOOD FENCES Help keep Our Farm Yields High"



Mr. H. Lee Leathers, owner and manager of a 320-acre livestock farm near No. Baltimore, Ohio. Mr. Leathers is also secretary of the No. Baltimore Grain Assn.

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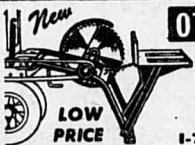
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## Talk Over Power Lines

Lansing Gets First Kansas Installation of Carrier System

By ED RUPP

THE first Kansas installation of a rural power-line carrier telephone system was completed in Leavenworth county this fall. The same wires that carry electric power to outlying homes now carry telephone conversations, too.

Announcement of the first installation was made by S. E. Davidson, manager of the Southwestern Bell Telephone Company at Leavenworth, and A. W. Johnson, district manager of the Kansas Electric Power Company, Leavenworth. The project is a joint undertaking of the 2 companies. More than 4 1/2 miles of power company lines are being used, while the new equipment belongs to the telephone company.

Sixteen rural customers in the Wallula community, south of Lansing, are being served by the new power-line system. They are divided into 3 party lines. There are 7 customers on one line, 6 on another and 3 on the third. For the present the telephone company has restricted the number of parties on one line to 8. Many of the older rural lines have 15 or 20 subscribers, and "line's busy" is commonly heard when listening in before ringing central. Telephone companies are attempting to limit the subscribers on many of their other rural lines, and are carrying thru with the same policy on the power-line carrier system. It means better service for each customer.

Of the 16 new subscribers in the Wallula community, only 2 had telephone service available before the new lines were completed. Fourteen were without telephones.

One of the new instruments is in the W. C. Wiehe home. "We had a telephone about 14 years ago," Mrs. Wiehe recalls. "The line was maintained by the customers but it gradually deteriorated to the point where it gave poor service. The line went down, service was poor and the customers finally quit." Now they have telephone serv-

ice again. And Mrs. Wiehe really appreciates it.

Just a few days after the service was completed, Mrs. Wiehe called her daughter, Anita Wiehe, in Shreveport, La. Miss Wiehe is secretary to the commanding general at Barksdale Field, Army air installation. Aware that her mother had been ill some of late, it frightened Miss Wiehe. The call was put thru at 7 in the evening, but, because Miss Wiehe was out for the evening, it was not completed until near midnight.

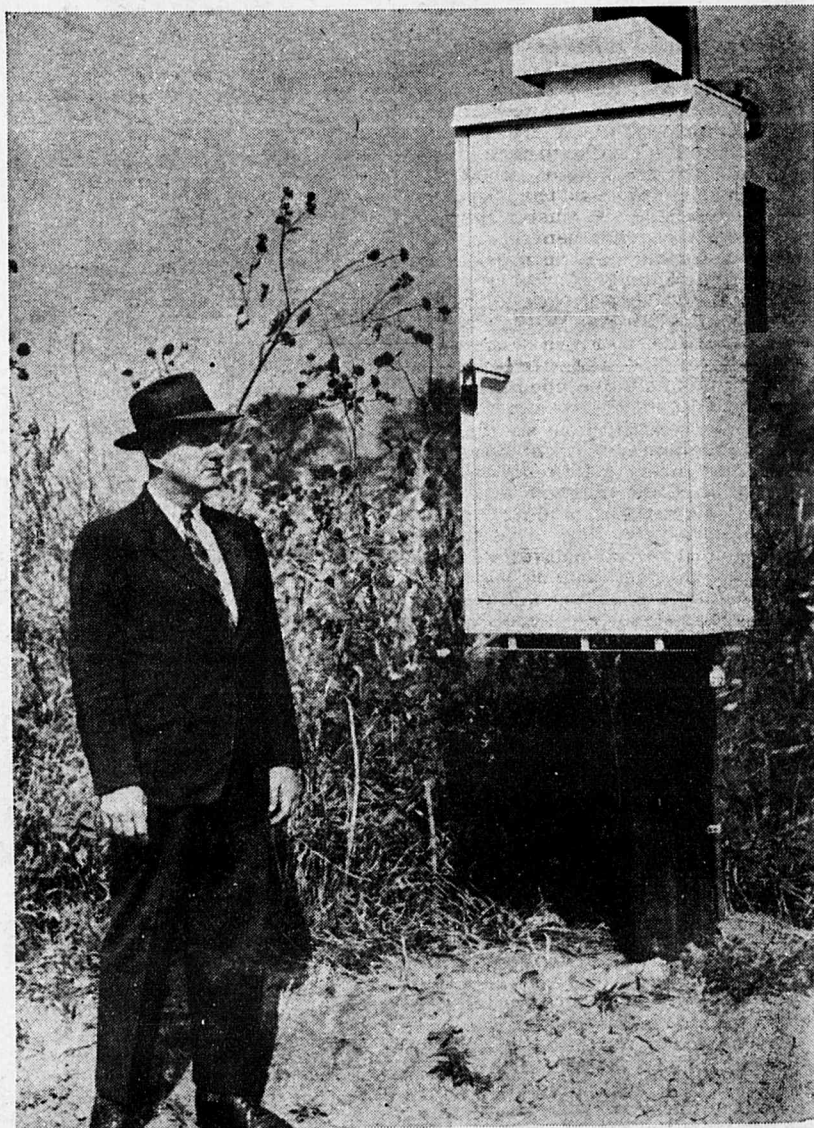
All was well after the first few words, and the daughter, of course, was just as glad as her mother that phone service again was available on the farm.

One of the 2 customers who had phone service before the new lines were completed is Mrs. Delbert Merwin, at the Wallula store. Altho a few bugs still remained in the equipment at the Merwin home, she agreed it is a wonderful improvement for those rural residents who were without service.

This new phone system is actually wire-connected radio. For that reason some peculiar things can happen before all adjustments are made.

One of those quirks made its appearance when Mrs. Wiehe was talking to her daughter-in-law, Mrs. Carl Wiehe. She had asked her over the phone to bring home some meat from the locker. The radio was turned on in the Merwin home. Strangely enough, the conversation between the 2 Mrs. Wiehes came over the radio.

Specialists in the field of radio can explain those things. It has something to do with harmonizing frequencies, or something like that. The power-line carrier phones operate on frequencies between 150 to 500 kilocycles. Standard broadcasts come thru just above that, 550 to 1,500 kilocycles. Unless other correction is made, the telephone conversation can come over the radio, if the latter is tuned correctly and is close enough to the line. But it is a rare



S. E. Davidson, telephone company manager at Leavenworth, shows the common terminal box located at the Wallula corner, south of Lansing. Altho unimpressive in appearance, this metal box houses the intricate apparatus that takes messages off the power line and transfers them to the telephone landlines. Equipment in the box is automatically cooled by a blower in summer and warmed by a heater in winter.





Sitting back in an easy chair, Mrs. H. G. Johnson enjoys a telephone conversation with a friend, using the new carrier-operated phone in her home. Her smile expresses her appreciation of the new service. After 3 years without a phone, she again has direct contact with friends and neighbors.

occurrence, and technicians no doubt can eliminate that, too.

Another one of the new customers is Mrs. H. G. Johnson. Mr. Johnson is a carpenter and is away from home much of the time during the day. Now, before Mr. Johnson comes home at day's end, he can call to see whether she needs anything from the grocery store. And during the day Mrs. Johnson is able to call friends like anyone else accustomed to phone service in the home.

In outward appearance the power-line carrier telephone is much like the usual handset instrument. The phone box in the home is larger than the common box. It contains special electronic tubes which load voice frequencies onto higher carrier frequencies so they can be transmitted over the power lines.

#### Easy to Use

The present system at Wallula is operated like any other common battery service. To make a connection, the customer lifts the handset which flashes a light in the central office. You give your number to central and you are connected with your party. The system is more advanced than the magneto type, where the customer must turn a crank to reach central.

Other customers on the new carrier circuit include the following families: Tony Meyers, Floyd Morris, Fred Ferguson, Elmer Morris, W. R. Young, Pete Yunghans, Edward Yunghans, R. W. Martin, Frank Turner, Sam Dresser, Clay Young, Clyde Bailey and Sherman Allman.

On the pole outside the subscriber's home is a "coupler" thru which the carrier current enters or leaves the power line, but prevents the power current from entering the telephone instrument.

The coupler, that insignificant appearing apparatus attached to the power-line pole near the subscriber's home, refuses to let the power current travel into the phone line. Technicians say the coupler is a series of coils, a condenser, and they use other words to describe it which we can spell, after looking in the dictionary, but fail to understand how they work.

But it works. We called a friend in Leavenworth while visiting the Wiehe home. Transmissions were clear. It may have been imagination, but it seemed like the voice was more dynamic over this system than the usual set, more like 2-way radio.

As the voice is spoken into the handset, it travels thru the electronic tube box over a wire to the coupler and the power line. In this process the voice frequency is loaded onto the carrier frequency and transmitted along the power line to the terminal box. This common terminal, which is an innocent looking metal box hanging on a special pole at the Wallula corner, takes the voice from the power line and puts it on the regular telephone landlines across the highway.

Over such a system subscribers can call anyone on their line, on another carrier system or on any regular telephone line.

The common terminal box need not

hang on a pole out in the country. It can be installed in the telephone company office. But, in case other installations would be made in the future, it was installed at the Wallula corner. In this way the system uses less power-line miles, leaving other power lines open for future installations.

In addition to an assembly of radio and electronic parts in the terminal box, it has its own air conditioning to keep the working parts within a reasonable temperature range. In summer a blower keeps the working parts cooled. In winter a heater keeps them warm.

Possibilities for this new type of telephone transmission are enormous. At present, costs are extremely high to the telephone company while the system is in the field-test stage. But after more experience and mass production, the cost to the company should come down.

With the wide extensions of rural power lines, both by private companies and thru the REA, have come serious interferences to telephone operation. The old grounded telephone lines in rural communities, where only one wire was used, suffered from the extension of power lines. Noise created by the power line made the single lines impractical. Double lines, called metallic systems, eliminate power-line noise. But installation of long metallic systems in many rural communities is not possible. In the first place the necessary materials have been scarce. Then, too, it adds up to considerable expense.

#### Two Jobs for One Wire

Installation of power-line carrier phones means the same wire can be used for power and voice transmission. That alone will be a saving. Then, too, as H. S. Hinrichs, with the Kansas Power and Light company, Topeka, says, "It could eliminate a lot of tree trimming down the road." In other words, it could eliminate much of the work now necessary in maintaining both power and telephone lines.

There are maintenance problems to be solved by both electric and telephone companies. Power companies are not accustomed to servicing telephone installations, and telephone workers are not experienced in handling high-voltage lines. Then, too, telephone employees are not experienced in servicing the new carrier phones. But those things can and will be worked out by the companies.

The next move will be a much larger installation west of Salina, in the Bavaria community. The telephone company already is assembling equipment for this installation which is expected to have as many as 140 customers. New problems not experienced at Wallula will be met at Bavaria. One of these will be confining a telephone channel to a predetermined section of power line so another telephone system can be used on the same line but in a different section. It has been done in the laboratory, but field tests often bring on new problems.

But power and telephone companies are forging ahead with this new development in rural communications.

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As a Row Crop Harvester,

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and shreds 10 to 14 tons of

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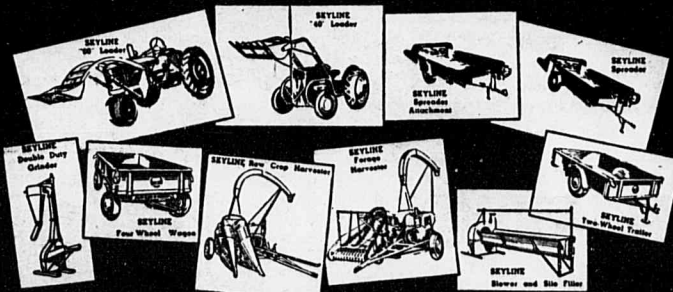
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Ready For

# Christmas?

By FLORENCE McKINNEY

Cool days and long evenings at home remind us that Christmas is just around the corner. Busy fingers can contrive handmade gifts for friends and family. Here we offer 9 patterns to keep your fingers flying until the holiday.

1. No. 5144. Knitted jacket, cap and booties for baby in cold weather. They are made in stockinette stitch with lacy striped pattern and bordered with garter stitch.

2. No. 7636. An attractive set of crocheted sherbet doilies for the friend who seems to have everything.

3. No. PC 3740. For the young lady, this crocheted bedjacket of soft wool in shell stitch pattern with ruffle yoke and cuffs.

4. No. 2736. Knit-Cro-Sheen in single crochet makes this handbag. It is trimmed with motifs in contrasting color.

5. No. 678. A cardigan sweater will make a young girl happy. Knitted in popcorn stitch, it is trimmed with an embroidery frill up front and around neck.

6. No. 7674. Crochet this chair-set in cluster pattern in center and loop stitch border. Gives chair and sofa an appealing look.

7. No. PC 3363. Crocheted luncheon set made in single motifs, set together with a fill-in lace makes attractive background for nice china and silver.

8. No. PK 3735. These mittens are knitted in stockinette stitch and embroidered on the backs with contrasting-color wool.

9. No. PC 3910. The foot of the bootie is single crochet and the top in shell stitch. Trim with satin ribbon. Just a little yarn and a little time is all one needs for baby's first Christmas gift.



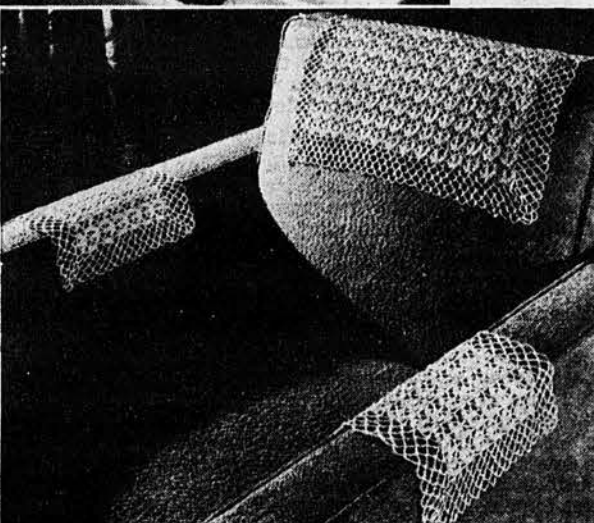
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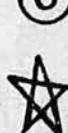
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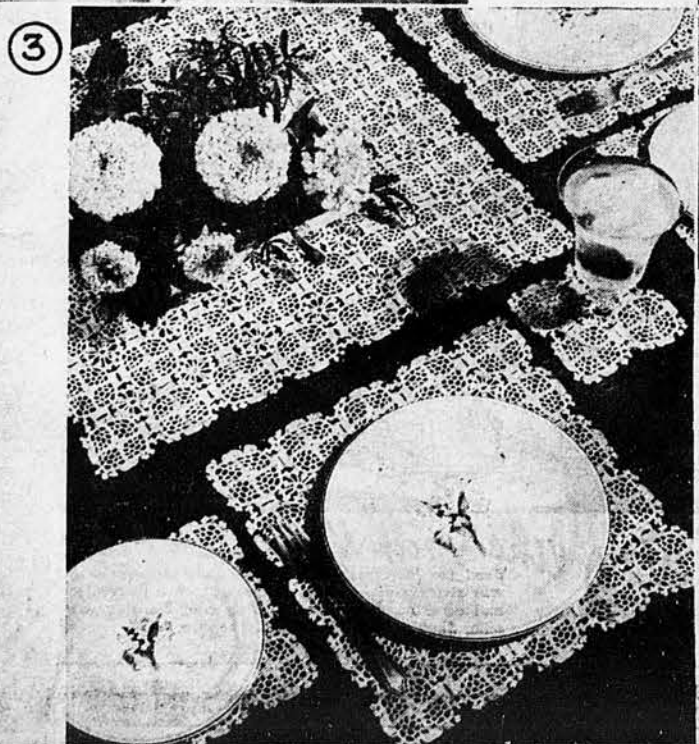
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③

Each leaflet gives the directions for making the article. Write to the Farm Service Editor, Kansas Farmer, Topeka, and send 5 cents for each direction sheet.



## It's DDT Time Again

### This Time Wallpaper

IT IS difficult to keep informed on all the experiments with DDT. The last that has come to our attention is DDT wallpaper. For 27 months under both laboratory and ordinary room conditions, wallpaper treated with DDT has been exposed to flies, moths, mosquitoes, silverfish, ants, cockroaches, bedbugs and spiders.

In room tests, almost 100 per cent of the flies were killed in 24 hours or less. In one test, they were all dead in 6 hours. Better still, tests show that the DDT wallpapers under study have retained their effectiveness after several months study.

Moths and mosquitoes were killed

at the same rate as flies, silverfish at a slightly slower rate. The new wallpaper was effective against all the other insects included in the experiments. They also found that the accumulation of dust and dirt on the paper was effective against all the insect-killing properties. Washing and brushing it does not destroy its effectiveness.

The company producing this product has determined that the DDT will not brush off like the dusting powder. Indications point to the fact that it is more effective than a DDT spray, with the added advantage that its insect-killing properties last much longer.

### Upholstered for \$8



Mrs. Emmet Fawl of the Friendly Neighbors home demonstration unit, Shawnee county, upholstered this comfortable, good-looking chair for a total cost of \$8. She retied the old springs, bought cotton padding and covering material.

### Here's An Idea

When you find you have sprinkled too many clothes for one ironing, roll them in a towel and place them in the refrigerator until ready to iron another time. This keeps them from mildewing and saves the time of sprinkling again.

A coat of paraffin inside the new garbage pail will prevent it from rusting, thereby lengthening its life.

To freshen rolls, sprinkle lightly with water, put into a paper bag and lay in a warm oven.

The best way to thaw frozen fruit from the locker is to place the sealed cellophane bag or unopened water-proof container in lukewarm water.

An old mailing tube is an ideal base on which to roll up linens you do not want creased.

Orange rind gives a delightful flavor to rhubarb pie. Either fresh or canned rhubarb may be used in this manner.

To prevent the juice running out of a 2-crust pie, moisten the lower crust with water or milk before fluting the crusts together.

Pie mix may be kept on hand for ready use. Mix salt, shortening and flour together. If lard is used, keep this mixture in the refrigerator. Add water when ready to make pie crust.

Place 2 thicknesses of cellophane, waxed paper or parchment between pork chops or steak when they are to be frozen in one package, so they can be separated easily when they are to be used.

Mashed potatoes can be reheated successfully in a double boiler. Put the potatoes into the top of the utensil, cover and heat thoroughly over hot water.

If cups are stained with tea and coffee, rub with a moist cloth dipped in baking powder. Do not scour either china or pottery.

So the grids of your electric waffle iron will not discolor as much, leave the lid open to cool after wiping the grids lightly with a soft cloth or paper towel.

A sandwich-filling idea for the daily school lunch is to combine peanut butter with ground raisins moistened with fruit juice. Peanut butter mixed with warm honey is a treat.

## Baking... They'll Brag On!



## KANSAS STAR FLOUR

It's no wonder folks rave about the tempting light bread and rolls... the wonderful cakes and cookies you bake with KANSAS STAR "Better by Far" FLOUR! Because all your baking has a new flavor-goodness that just can't be beat!

KANSAS STAR "Better by Far" FLOUR is milled from the finest hard winter wheat... it's a snowy-white, all-purpose flour you can depend on every time for better tasting baking! Get KANSAS STAR "Better by Far" FLOUR from your grocer today... and keep compliments coming your way!



## YOU, TOO, CAN BE AN EXPERT

### TRY THIS NEW RED STAR HOLIDAY RECIPE

### THANKSGIVING SWEET ROLLS

2 teaspoons sugar  
1/2 cup warm water  
2 packages Red Star Dry Yeast  
1/2 cup sugar  
2 teaspoons salt

1 cup lukewarm water  
2 eggs, beaten  
5 1/2 cups sifted flour (approximately)  
1/4 cup shortening

Dissolve 2 teaspoons sugar in 1/2 cup water. Add 2 packages Red Star Dry Yeast. Let stand 10 minutes. Place 1/2 cup sugar, salt and 1 cup lukewarm water in a large bowl. Stir yeast solution thoroughly and add to this mixture. Add beaten eggs and half the flour. Add remainder of flour and mix well. Place dough on lightly floured board and knead for 3 minutes. Shape into smooth ball and place in greased bowl. Brush top lightly with shortening. Let rise in warm place for 45 minutes. Punch dough down and let rise in warm place for 45 minutes. Place on greased baking sheet and (375° F.) 20 minutes. Makes 3 dozen rolls.



### WHAT IS DRY YEAST?

DRY YEAST IS YEAST THAT  
KEEPS FOR MONTHS  
WITHOUT SPOILING

### TELL ME MORE

RED STAR DRY YEAST  
IS FASTER RISING

RED STAR NEVER FAILS TO  
GIVE ME LARGER, BETTER-  
TASTING BAKED GOODS

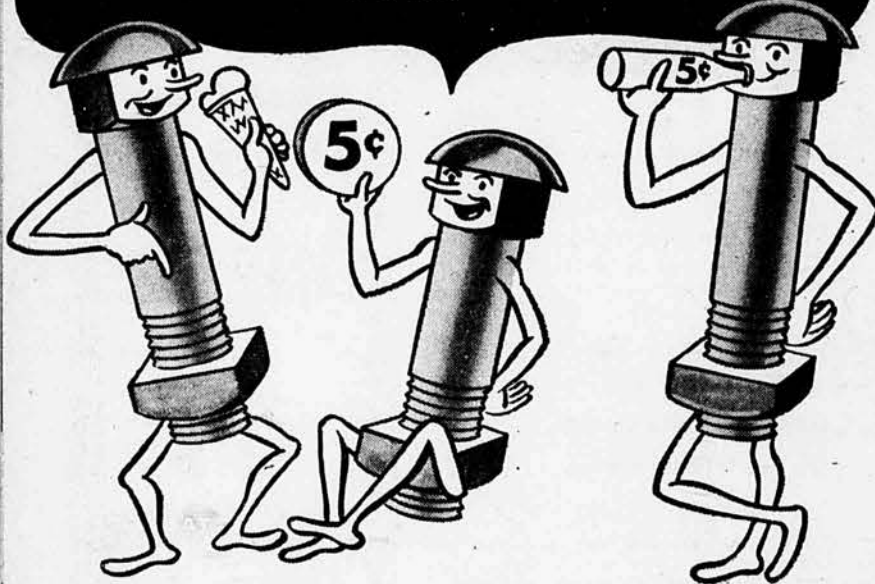


KAY ROGERS SAYS: "Get acquainted with RED STAR by baking these delicious Thanksgiving Sweet Rolls. Your family will love them."

## RED STAR DRY YEAST



# Steel IS Cheap!



## For The Price of a Soft Drink—

you can buy at retail across the counter a  $\frac{3}{8}$ " x 6" Carriage Bolt and Nut—which is only one of 50,000 sizes and varieties of Bolts produced in the Sheffield Bolt and Nut plant.

At a nickel apiece,  $\frac{3}{8}$ " x 6" Carriage Bolts cost \$460 per ton. Some tiny Bolts and Nuts retail for over \$4,000 a ton—some big ones for about \$250 a ton. But a few Bolts and Nuts will hold a whale of a lot of things together and the price adds very little to the cost of those things.

Bolts and Nuts are made from special, cold heading quality, Hot Rolled Rods sold by the steel industry today at approximately \$69 per ton. Without these Rods, the modern Bolt and Nut could not be produced at any price. Obviously the cost of Rods is only a small part of the cost of finished Bolts

and Nuts. This illustrates that the price of steel as obtained by the mills has little effect on the ultimate cost to the consumer of most all finished steel products. Last year, 22 of the largest steel companies, representing 88% of the capacity of the country, earned less than \$5 per ton on their production. If rods had sold for \$5 per ton less, sacrificing all profit to the industry, it would have affected the ultimate price of  $\frac{3}{8}$ " x 6" Carriage Bolts by approximately 1%. STEEL IS CHEAP.

Cheap, too, is the  $\frac{3}{8}$ " x 6" Bolt. Finishing it from a Rod by efficient production methods requires 26 separate operations on modern equipment worth millions of dollars. To this must be added the expense for packages, transportation, and distribution. You still get it for a nickel.

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**FLEMING'S COFFEE**

## Make High School a Success

By EUGENIA HARRISON

**H**OPES for achievement in high school grow more ambitious every day at your house now that Jane's a freshman and Johnny's idea of heaven is a place on the basketball team at Consolidated High.

But you know it's going to take work if she becomes the glamour girl and member of the Honor Society she longs to be. Probably Johnny will be late to supper dozens of times before he is a star forward.

Naturally no one can guarantee Jane will be campus queen and make the Honor Society or that Johnny will be one of the best basketball players in the state. Rich development and keen enjoyment, however, will come to your children in high school providing you help them reach these goals: Cleanliness plus neatness, suitable clothes, participation in activities, adequate reading material, good health, a pleasing personality, good study habits, budgeting of time and money, regular attendance, and proper home life.

Here's a secret about that glamour girl Jane knows who has won two queenships in three years. One thing sure her majesty was clean. From the top of her head to the tips of her toes she had the clear, fragrant smell only a daily bath with plenty of soap and water could give. At least once every week she washed her hair. Her clothes were fresh daily from the skin out. With all this aura of daintiness about her, no one noticed she had irregular features and was a trifle too fat.

That queen's hair looked neat, too. Nightly sessions with curlers and hairbrush also will turn your daughter's hair into smooth, tidy waves.

Substituting a frequent hair cut for Jane's nightly pin-up, Johnny well-may adopt her strict ritual of cleanliness and neatness.

Scrupulous cleanliness also improves complexions.

### Right Clothes Important

Nice clothes help bring happiness and success to boys and girls in high school; but neatness, freshness, and suitability make ordinary garments do. For Jane, skirts and sweaters and plain dresses go for school. When it's warm, her summer prints will serve nicely. Church, dates, and parties demand something a little dressier. Garments you make yourself or frequent sales in ready-to-wears offer other savings.

Now and then, if the budget allows, it's nice for her to have something extra nice—say a sweater in a color luscious enough to eat, a good-looking bracelet, or a dress she declares is "out of this world."

Johnny won't need so varied a wardrobe as Jane. However, don't think he has lost his sense of values permanently just because he wears a purple and green bow tie, a scarlet shirt, and green trousers to school. Of course, he should realize that for formal events conservative clothes look better than gaudy garments. Remember that well-dressed boys seem to think twice before getting into scrapes.

### Need Recreation

Week-end movies, church attendance, and occasional social events during the school week in addition to regular school activities should be allowed high-school students if their health or school work do not suffer.

However, too many activities can make Johnny so tired he fumbles the ball or Jane so exhausted she loses her temper.

Lessons are easy for students who have plenty of reading material at home to teach them words and facts. Never are well-read persons at a loss for conversational topics.

With proper food and sufficient rest your children will develop strong bodies, steady nerves, and abundant vitality. The dining table may decide whether or not Johnny becomes a star forward. Cokes and candy bars instead of milk and vegetables won't give Jane a glamour girl's complexion or help her make honor grades.

Altho it is difficult to analyze just what factors besides a pleasing appearance, vitality, activities, and interesting conversation contribute to a "good" personality, certainly friendliness, ability to get along with associates, modesty, self-control, a pleasing voice, proper language, and service are helpful traits.

If Johnny and Jane have a smiling

greeting and genuine interest in others, they will have friends. Altho friendships are invaluable in themselves, many honors for leadership or popularity come to students partially because they are friendly—well liked by students and teachers.

High school offers your children a chance to work harmoniously with other persons, a trait also largely responsible for success in adult life.

Altho your boy or girl receives honors in high school, undue publicity from the winner or his family creates jealousy among less fortunate students.

Teach your children self-control, for it will enable them to think calmly in a crisis and have a pleasant disposition. Plenty of sleep and good health as well as will-power promote self-control.

If Johnny or Jane pitch their voices too high, they will modulate them when they hear recordings of their voices made in speech or music classes. Good English and clean speech are admirable personality traits as well as signs of culture and scholarship.

### Must Render Service

To be a success in high school, as in life, your children must render service to the organization to which they belong. The student who is chosen for honors, offices, or who is recommended for good jobs is the youngster who not only can do good mental work, excel in some activity, and look attractive, but also has worked unselfishly to help his school.

Jane is almost certain to gain entrance into the Honor Society if she has wise study habits. Practically any high-school student who concentrates regularly on his lessons will make commendable grades. After all, the primary reason for high-school attendance is education. To foster good study habits at home, provide a regular time and a comfortable place for study with good lights.

Unless your youngsters budget their time, they can not accomplish all the things necessary for success in high school. However, the time budget should not be too rigid or elaborate. Money also goes farther when expenditures are planned.

Unless absolutely necessary, don't let your children work until all hours. However, a job working for someone who isn't a relative shows them what the business world is like and teaches them the value of money. They also have a golden opportunity to make money by raising livestock or crops.

### The Home Influence

Perhaps the greatest factor influencing your children's success in high school is the home. Attitudes, thoughts, habits, and morals unconsciously learned there affect them more than wealth.

You, as a wise parent, will see that Johnny and Jane have good food and a comfortable, happy place to live. They will receive spiritual and moral training and read good books and magazines as well as wear clean clothes.

Altho you always will have sympathy and understanding for Johnny and Jane, you will be firm about important issues. Your youngsters will know the financial problems of the home and grow stronger and wiser helping meet them.

Even if you work until midnight to finish Jane's formal, you will not ignore the beauty of a sunset, miss the basketball tournament, or neglect world events and picture shows.

Your children will thank you and your high school for giving them the keys to success anywhere.

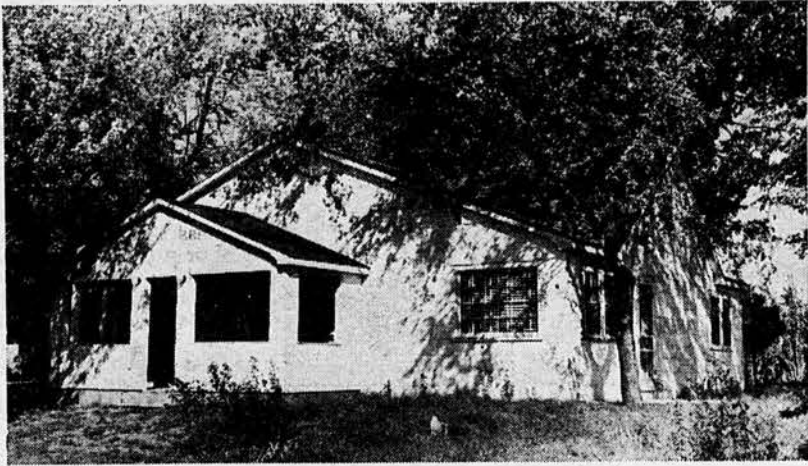
### The Mock Wedding

There will be plenty of fun at the party if this comical mock wedding is included in the entertainment plans. It may be given by an all women cast, or an all men cast. When a man is dressed like a woman or a woman is dressed like a man, there is sure to be fun. For a copy of the leaflet, Mock Wedding, send 3c to Entertainment Editor, Kansas Farmer, Topeka.



## Turkeys Build a Home

This Side Line Was to Help Until Beef Herd Paid



The house that turkeys built is this fine farm home of Mr. and Mrs. O. E. Pattee, Montgomery county. It has 6 rooms and bath.

**T**URKEYS built their new home for Mr. and Mrs. O. E. Pattee, of Montgomery county. And they are mighty proud of their new home.

It all started like this. The Patees moved onto their present 280-acre farm in 1934 with the idea of building up a Hereford herd from 8 heifer calves they purchased to start. But Mrs. Pattee thought they needed a side line to bring in some profits while waiting for the beef herd to expand.

So she bought 40 poults at 20 cents apiece and started out. As a result turkeys are now the main project altho the beef herd has grown to 75 cows.

The Patees now start the season with 3,500 poults and market around 3,000 each year. Forty acres are set aside for the turkeys and the area divided into 17 pens for rotation during the growing season. By keeping these pens seeded down to pasture crops, the turkeys are grown out with a minimum of feed, and death losses are kept to a minimum. One year during the war the entire flock was purchased by the Government and shipped to Australia for American soldiers stationed there. So the Patees feel that they had no small part in making life a little more pleasant for the boys "over there."

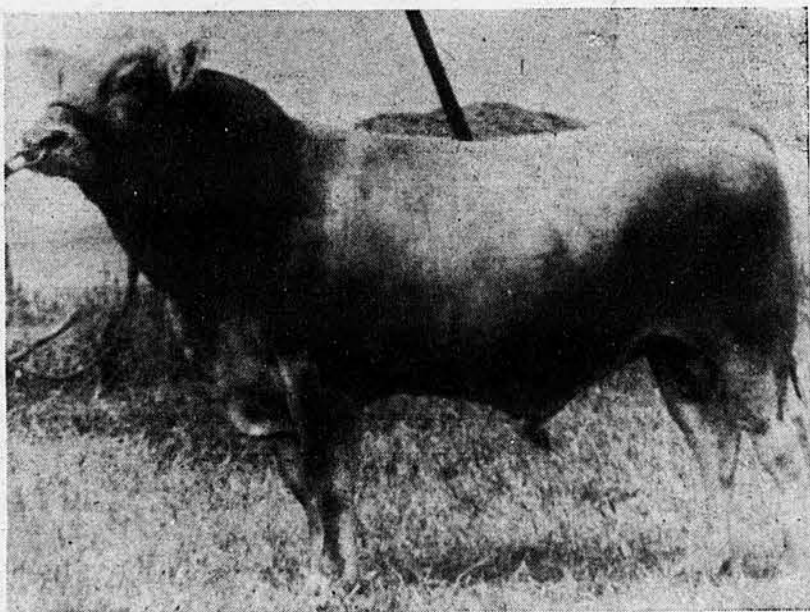
"While our turkeys take up the least amount of ground and bring the most profit, they also take the most work," says Mrs. Pattee. "We have a trailer house out on the range and we live in it during the growing season. If you want to make a profit on turkeys you have to be there when something goes wrong."

"The one thing I always have wanted most," says Mrs. Pattee, "is a nice farm home. So we put our turkey profits into building this one 2 years ago. We couldn't ever get our money back now if we sold, but I still can't think of a better way to spend it."

This new home has 6 rooms and bath and is built all on the ground floor. Mrs. Pattee is especially proud of the 8- by 12-foot utility room off the kitchen. "But it isn't big enough," she explains. "If we had it to do over again we would make it larger. However, it certainly saves a lot of work."

One unusual feature of the Pattee home is a central living room. From this living room Mrs. Pattee can go into the sunroom, the kitchen, or down the hall to the bedrooms and bath. The new house is built on the site of the old farmhouse, incorporating 2 of the rooms. This gives the Patees the benefit of old shade trees on 2 sides.

## Cows Make Small Farm Pay



Bradenhurst's Mai-dean, herd sire of the Paul Timmons Brown Swiss herd, Wilson county. Mr. Timmons is doing a good job of breeding for type and production.

**H**OW to make the most out of only 80 acres of farm land is being demonstrated by Paul Timmons, young Wilson county dairyman. Altho the farm is rented, he keeps half of the 60 cultivated acres in alfalfa and the rest in barley and oats. The older stands of alfalfa are pastured about 5 months out of the year.

At present Mr. Timmons is milking a herd of 8 to 12 Brown Swiss cows. He believes Brown Swiss is the ideal breed for the small dairyman since cull animals have a high market value as beef. He recently sold 2 cull cows on the Kansas City market. They averaged close to \$200 each after the commission was paid.

"This doesn't mean they aren't good

milkers, too," says Mr. Timmons. "I have one cow that has produced 75 pounds of butterfat in a single month and have several that average in the 60's."

Mr. Timmons believes testing is the most valuable part of his dairy program. "You really know what you're doing when you test," he maintains.

Even with such a small herd he is using the best bulls he can obtain. Present herd sire is Bradenhurst's Mai-dean, a son of a proved sire. This year Mr. Timmons entered his cattle in both the Kansas Free Fair and Kansas State Fair, taking several firsts and seconds at each, which shows his breeding program is developing good type as well as production.

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"The Coffee"

## DELICIOUS

## Homemaking News

**W**HEN you shop for an electric cord, shop the "bracelet" way. The bracelets indicate to the buyer just what she is getting. Only cords which meet safety standards carry a bracelet label. The bright-colored bands around the cords are the underwriters guarantee that you have a dependable piece of electrical equipment, but still they must be used only for the purposes for which they were made.

For an iron, toaster or waffle iron select one with a gold or red bracelet. The gold label indicates the best-quality cord and the red is next, indicating that you are buying a cord of good quality with asbestos insulation.

A cord with a yellow bracelet indicates it is of light weight and suitable for lamps. For an electric fan, other small motors on equipment other than for heat, choose one with a blue bracelet. The blue band indicates a good-quality cord for light duty.

For safety, use only a rubber-wrapped cord for a washing machine or for any other cord which may come in contact with water.

To make dull or tarnished gold jewelry look like new, rub it lightly until bright with a toothbrush that has been dipped first in ammonia, then in baking soda.

When you wash rag rugs, use a light starch. Wash them in rich, warm suds and after rinsing, dip the rugs into a light starch solution. The starch will give the rugs more body and they will lie flat on the floor.

The inches to be added to the length of skirts this season presents problems in pressing. Steam pressing is the answer. If the fabric is a lightweight wool, the hem should be ripped and steam pressed on the wrong side. For thick wool, steam press on the right side. To steam press, cover the material with a dry wool press cloth and then with a cotton cloth which has been dampened with water. Use a warm iron. Press by setting and lifting the iron, taking care not to slide it back and forth. If the shine persists, raise the nap with a brush or rubber sponge.

If the hem crease is conspicuous, wet the crease on the wrong side. Then,

turning the goods over on the right side, roll the crease back and forth with the fingers to work it out. Press afterwards on the wrong side.

A well-filled medicine cabinet may not be a good one. Old medicines should be discarded. Some become poisonous with age or much too strong for use, either internally or externally.

## Kansas Women Attend

### Five Master Homemakers Included

Out of the 45 Kansas women who attended the annual meeting of the National Home Demonstration Council, 5 were Master Farm Homemakers. They journeyed from Kansas to the meeting at Jackson's Mill, West Va., the state 4-H Club camp, by bus. The Master Homemakers were: Mrs. O. O. Wolf, Ottawa; Mrs. Clayton Martin, Princeton; Mrs. Louis Schauvliege, Jetmore; Mrs. Anna Hansen, Minneapolis; and Mrs. Bertha Jordan, Liberal.

From October 6 to 11, 400 women from every section of the United States, listened to eminent speakers, held round-table discussions and got acquainted with one another. The theme of the meeting was "Harmony in the Home, Order in the Nation, Peace in the World." Among the speakers were Dr. Douglas Ensminger, rural sociologist, U. S. Department of Agriculture; Dr. Mark Ziegler, chief medical officer, Farmer's Home Administration; Florence Land, senior home economist, U. S. D. A.; Mrs. Helen van Zonneveld, executive director, United Nations Council of Philadelphia.

## Ready to Quilt?

If in need of frames for quilting this winter, Kansas Farmer's leaflet, "My Handy Quilting Frames," gives complete instructions for making them, including a drawing. A post card addressed to Farm Service Editor, Kansas Farmer, Topeka, requesting this leaflet, will be given prompt attention.

## Styled for Beauty

**9486**—Fashion's latest, tiny midriff, pockets pleated to round the hips. Sizes 6 to 14. Size 10 requires 2½ yards of 39-inch material.

**7290**—A tiny tot's joy. He'll love his crocheted in loop stitch with 2- or 3-ply yarn. Measured 8 or 9 inches.

**9054**—Just 4 main pattern parts, skirt in one piece. Sizes 11 to 17. Size 13 requires 3½ yards of 39-inch material.

**997**—Horses make a spirited design for a chair or buffet set. It's made in the simple filet crochet. Repeat chair-back design for matching scarf ends.



Twenty-five cents for fashion patterns, 20 cents for needlework patterns. Order from the Fashion Editor, Kansas Farmer, Topeka.



# Now Try Procter & Gamble's Postwar WASHDAY WONDER

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pletely **NEW** product the minute you make suds with Tide. Those wonder suds *look* different... *feel* different! They billow up thick and fast even in *hardest* water! It's amazing! Only Tide can make all these promises:

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Yes, cleaner than any soap made! Your whole wash comes cleaner with Tide—even grimy play clothes and greasy overalls! Tide leaves clothes free—not only from ordinary dirt—but from gray, dingy soap film as well.

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## 3. Never "yellows" white things!

What a blessing for shirts, sheets, pillowcases! Tide keeps them *sparkling white*, week after week... never turns them yellow!

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## 4. Gives more suds

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**TIDE'S IN— DIRT'S OUT!**

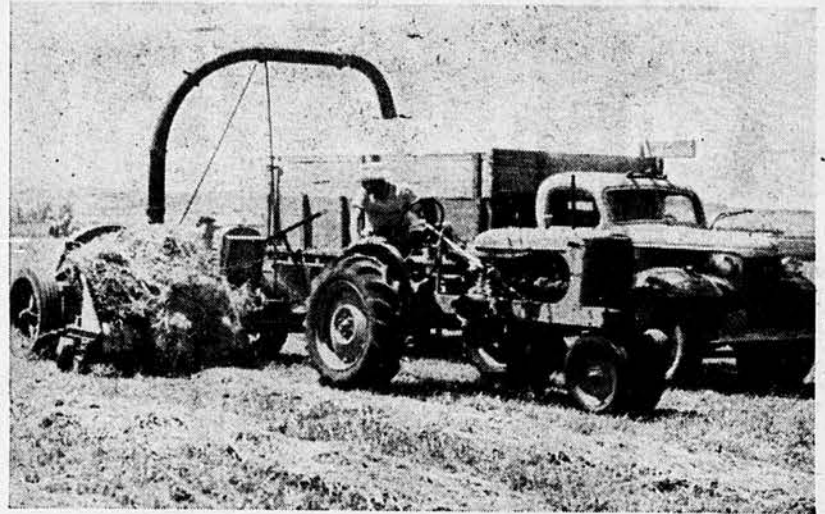
TIDE IS A WONDER FOR CLEANING MILKING UTENSILS, TOO... QUICK! EASY! NO SCUM OR MILKSTONE!





## Solves Protein Problem

Wabaunsee Beef Feeder Turns to Alfalfa Silage



Out in the hayfield pitchforks are almost obsolete on the Elmer Imthurn farm, Wabaunsee county. The hay is windrowed as it is cut and this field chopper comes close behind blowing the chopped feed into trucks. The field chopper is several rounds behind the mower to provide time for wilting.

FOR years an insufficient amount of high-protein feeds was the main drawback on the Elmer Imthurn ranch, Wabaunsee county. Then 3 or 4 years ago when hired help added to the problem, he decided to do something about it. He diverted most of his cultivated acreage to alfalfa.

On a deferred feeding program, Mr. Imthurn handles approximately 300 calves a year. Alfalfa with his blue-stem acreage is fitting these calves for market at minimum cost and trouble.

He has 200 acres of good bottom land where wheat and corn were raised for years. For grazing he has 1,000 acres of blue-stem. Altho some bottom land is in brome grass, alfalfa now is the big crop. A small amount of atlas sorgo and oats are used in rotation with the legume.

Each year he has 20 acres of alfalfa ground for a crop of atlas. Atlas on that ground will yield 20 to 25 tons an acre he says. But one year is enough. After atlas the field goes to oats, then back to fall-seeded alfalfa again. After 25 acres of oats ground is seeded to alfalfa this fall, the whole 200-acre bottom will have been in legumes.

To give this protein crop a boost he uses 200 pounds of 45 per cent phosphate when seeding. And he uses more later if it is needed. In his rotation the fertilizer helps succeeding atlas and oats crops, too.

Altho his largest brome grass reservation is in the uplands where he has 250 acres seeded with lespedeza and sweet clover, he has some seeded with alfalfa in the bottom land. He also had a 15-acre field of certified brome in the bottom this year. It was grazed to April 15, then permitted to make seed. It produced 440 pounds of seed an acre. The field had been fertilized with 150 pounds of 32 per cent ammonium nitrate.

Mr. Imthurn is in the balanced-farming program which is getting its start in Kansas in Wabaunsee county. But

he had a head start on the program, gearing his production to best fit his needs.

This year he put 200 tons of a mixture of brome and alfalfa in an upright silo. And 400 tons more in a trench built near by. Silage in the trench was covered with a layer of soil which will keep it in excellent condition for several years if necessary. All this feed came from 75 acres.

In addition he has several stacks of chopped alfalfa that will help him thru the wintering period.

Last year, Mr. Imthurn says, he ran his cattle on pasture until January feeding only a small amount of chopped hay. And he fed little of that before snow covered the ground. Chopped alfalfa and legume silage make it possible for him to feed cattle without buying grain or protein supplement.

Link this legume production up with deferred feeding and Mr. Imthurn thinks it is about as safe a cattle-feeding program as you can have. Output for feed is cut to a minimum and the labor factor is reduced materially.

### Good Combination

Altho he is a renter C. M. Williams, of Johnson county, goes all out for legumes with his small-grain crops.

He started out seeding lespedeza with all grain crops and his landlord was so impressed with the results it became a standard practice. However, Mr. Williams is not completely satisfied with lespedeza as a soil-building crop and is changing over to Madrid sweet clover and red clover. He also plans to sow timothy and other grasses in some of the draws on the farm, both for soil healing and for additional pasture.

Mr. Williams was one of the first farmers in Johnson county to realize the value of phosphate on wheat. He began this practice in 1938. He applies 100 pounds of 45 per cent phosphate an acre.



After hay has been loaded on the truck it is dumped into the blower and put either in the silo or into chopped haystacks like these. In this picture workers are ready to top-out the stack. Mr. Imthurn says spoilage in these stacks is negligible if the fencing form is removed not more than 4 days after the stack is completed. As the stack grows higher the fencing is lifted to provide additional form for stacking above.

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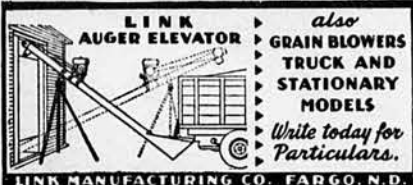
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Make a syrup by stirring 2 cups of granulated sugar and one cup of water a few moments, until dissolved. No cooking needed—it's no trouble at all. (Or you can use corn syrup or liquid honey, instead of sugar syrup.) Then put 2½ ounces of Pinex (obtained from any druggist) in a pint bottle, and fill up with your syrup. This makes a full pint of medicine that will please you by its quick action. It never spoils, lasts a long time, and tastes fine—children love it.

This simple mixture takes right hold of a cough. For real results, you've never seen anything better. It loosens the phlegm, soothes the irritated membranes, quickly eases soreness and difficult breathing.

Pinex is a special compound of proven ingredients, in concentrated form, well-known for its quick action in coughs and bronchial irritations. Money refunded if it doesn't please you in every way.



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## HOME STUDY

## Marketing Viewpoint

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

What will be the probable level of turkey prices this fall?—E. Z.

According to the latest reports, turkey prices will be substantially higher this season than a year ago. Some of the factors giving strength to turkey prices are a high level of consumer income and a generally high level of red meat prices. On the other side of the picture, many persons are wondering what the effect of the record holdings of frozen poultry will be on turkey prices. Some persons have advanced the idea that much of the storage stocks may be of poor quality, hence their price depressing influence on the market would be reduced.

Apparently farmers will market early this year in view of the experiences of many after the decline in prices following Thanksgiving day a year ago. Also the fact that feed costs are higher this year will cause most farmers to market their birds at 28 to 30 weeks old. Apparently the premium for quality will be rather wide this year, so producers should be cautious about sending underfinished birds to market. A few pounds difference in weight on a hen or tom can cause a great difference in the way a bird dresses out in the plant.

At this writing the food-conservation program has not been in effect long enough to determine just how turkey prices will be affected.

What will milk be worth this year, or will a person be better off selling cream?—J. M.

There are a lot of factors affecting the answer to such a question. First of all, transportation costs have to be considered. Secondly, how is the producer equipped? If he is already equipped to sell fluid milk, then he probably can still continue to make more money selling fluid milk. This sort of a problem generally arises among those producers who are on the fringe of milk- and cream-producing areas. As you know, floor prices have been established in the Wichita market until March 1, and in the Kansas City market until April 1. The floor prices for Class I and II milk respectively in the Wichita area are \$5 and \$4.75 a hundredweight. In the Kansas City area, the floor prices for Class I and II milk are respectively \$4.96 and \$4.71.

I have some shoats weighing about 100 pounds. Would you suggest selling at light weights or carrying them over the December low in price?—A. D. M.

By using grain substitutes wherever possible and conserving grain, these hogs could be profitably headed for a February market. Hog prices are expected to decline from now until December, but by February much of the decline in price will have been recovered. The price advantage should pay for the longer carrying period and if grain substitutes are available, grain could be conserved.

I have some cattle that have been on grain feed since early August. They are carrying quite a little flesh as they were in good condition when I put them in the dry lot. When should I go to market with them?—A. D. M.

With present high grain prices and the emphasis on grain conservation, it would not seem desirable to put on a high degree of finish. There is little to indicate any significant change in prices of grain-fed cattle in the next few weeks. Supplies will be small and demand will continue strong. Since your cattle are carrying "quite a little flesh" it would seem desirable to go to market in the near future.

### Study Tangled Taxes

A study to untangle overlapping Federal and State taxes is being proposed by the U. S. Treasury Department.

In 1946, a total of 90 per cent of Federal and state tax collections were from duplicating sources, including income, liquor, tobacco, gasoline, etc.

It is suggested by the Treasury Department that possibilities of the Federal Government withdrawing from gasoline taxation in exchange for states giving up some other duplicating tax might be explored.

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**Theodore R. Lorenz**, of Kingfisher, Okla., won grand championship at the 1946 Oklahoma Turkey Show. With first-place Tom Turkey and other birds from his Kingfisher Hatchery, Lorenz amassed more than enough points to carry off special award for the best display of the show.

**Enjoys sports**—football and basketball in particular. And is like many champion athletes. This turkey raising point-winner enjoys Wheaties. "Lots of flavor in these whole wheat flakes," says Mr. Lorenz. Lots of good nourishment, too. Seven dietary essentials—including minerals, vitamins, food-energy. Swell with milk and fruit. Wheaties, famous "Breakfast of Champions!"

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**PLENTY!** Plenty of Wheaties in the new Extra-Big-Pak. 50% more than the regular package. You'll want plenty, as Wheaties are second-helping good. Had your Wheaties today?

## Saving Grain

[Continued from Page 4]

Mr. Falkenstein probably will rough his 2-year-old stuff thru another winter and go to grass with them again next year. He didn't replace the breeding stock in his cow herd this year because of high prices and has cut his hogs down to 18 head. As soon as they are marketed he is getting out of the hog business temporarily.

A young Pottawatomie county sheepman, Kenneth Goehring, is going to sacrifice his entire flock of 115 ewes because of the feed shortage. "I didn't raise any grain this year and I was planning strong on my corn crop. I did get 2 good cuttings of alfalfa and the native hay was all right." Last year's late lambs on this farm are lambing down the corn crop. This year's lambs are due to start coming early in November. Mr. Goehring will have to buy oats and corn for them unless the flock is sold and the ewes will be fed a minimum of oats.

### Already Doing It

"I already am conserving all the grain possible," says F. W. Chamberlin, of Osage county, who has a herd of Angus cows. Mr. Chamberlin has a 9-month pasture program for his beef herd, using native pasture, brome grass, brome and lespedeza mixed, and red clover late in the fall after the seed crop is harvested. All permanent and temporary pastures are rotated and legume hay is fed during the winter. "My cows don't get any grain," says Mr. Chamberlin. "I wean the calves at 5 to 6 months so they won't pull the cows down too much and the calves then get some grain plus legume hay until sold."

"So long as packers are paying big premiums for finished cattle and hogs I don't feel that I can afford to take the penalty for marketing light stuff," says Harry Artz, of Osage county. He buys and feeds out both cattle and hogs. "I could market hogs at 180 to 190 pounds but would get docked \$1 to \$1.50 a hundredweight at that weight." Mr. Artz, however, is substituting other things for corn. His present feed for the hogs consists of ground milo as a substitute for corn, mixed with bran and yeast. The formula is 500 pounds of ground milo, 100 pounds of bran and 3 pounds of yeast. Cattle are getting all the ground ear corn they will eat, plus 3 pounds of bran and molasses, one pound of cottonseed cake, chopped alfalfa and prairie hay.

### Time Is Running Out

Irving Niles, a young ex-service-man now farming his family's estate in Osage county, has 27 steers he has been feeding since early in July, and 37 just starting on feed. Twenty-eight head of finished beef were shipped the last of September. Some of his cattle already have been carried 2 grazing seasons so time is running out on him.

The 27 head on feed since July are getting a total of 100 pounds of soybean or cottonseed meal a day, 200 pounds of bran and molasses, 200 pounds of ground milo, and 100 pounds of ground barley, plus all the good-quality prairie hay they will eat. Younger cattle are being fed on pasture. They are getting 3 pounds of bran and molasses, 3 pounds of concentrate and 1½ pounds of ground milo each daily. Twenty acres of Balbo rye were seeded last August for additional pasture this fall.

Conditions are similar in nearly all sections of the state. In Lyon county W. T. Ball had 26 head of 2- and short 2-year-olds ready for market this month. He is recognized as a good feeder, has put top quality beef on the block. For years he has fed stock up to 2-year-olds, but plans to sell 23 head of yearlings this fall. Why? He is unable to get necessary help. And if he could get help he would be unable to supply enough of either roughage or grain to bring them thru right.

W. D. Cowgill, Lyon county, has 60 head of cows, yearlings and 2-year-olds. Ordinarily he would feed the 2-year-olds on grain 90 to 120 days but he was unable to raise the grain this year. He has sufficient fodder, prairie hay and some alfalfa to rough them thru another winter. They may lose flesh but gain in size and he hopes to raise corn next year to finish them.

Nearly the same program will be followed by C. W. Cobb, Lyon county. His son, Wesley, says they expect to bring 100 head of whiteface yearlings thru the winter on rough feed. They

have not full-fed steers for several years, having found a short feed was more economical.

Last year at Christmas William Schneider, Shawnee county, bought 30 head of bulls that averaged 500 pounds. He roughed them thru the winter and had them on good grass during summer. He started them on grain this fall and expects to turn them soon after the first of the year after about 100 days. Some of these stags now are over 1,000 pounds and it took very little grain in the process. If he did not grain them someone else would before the packer got them.

After feeding 18 head of steers on grain for 6 weeks, Walter Wulfkühle, Douglas county, was ready to turn them. In that time he figured he had added an average of 2½ to 3 pounds a day to each steer. But he could not afford to make choice cattle of them at present grain prices. He planned to use what feed he had grown for other animals.

With short-feeding methods, which most Kansas cattlemen already use because it is more economical, most feeders feel they are saving the maximum in grain consumption. John Dickson, Lyon county, bought 123 head of calves last year in November. He roughed them thru winter without grain, gaining three fourths to 1 pound a day. During 5 months of summer grazing his cattle gained an average of 183 pounds. From there he expected to feed for 120 days, using grain, some of which he would buy. Like other feeders he got a lot of growth with a small amount of grain. But if he didn't use the grain before shipping them, chances are they would not go to the packer.

### Prime Beef Is Out

Mr. Dickson does not expect his beef to be in prime condition when he is thru feeding them. But they will be good enough for the packer. That is where he believes grain can be saved—stop feeding prime beef.

Harmonizing with that opinion, W. C. Walden, Leavenworth county dairyman, says he believes grain can be saved in feeding beef to a good condition rather than choice or prime. But as long as people have money they will not buy second-grade beef, he points out. It still leaves room for the heavy feeder to speculate on the buying habits of the consumer.

Between 60 and 65 cows are in the Walden Holstein herd owned by brothers, W. C. and Harry Walden. Because it is to their advantage economically, they try to supply their cattle with 9 months of grazing in a year. Cattle on lush grass will produce a lot of milk. They may not eat grain for a few days after going on good pasture, but after that they will eat it again. Sure, Mr. Walden points out, you can save grain with good pasture, but you must feed some grain if you want milk the following year. Without grain a good milk cow will lose flesh and a whole year will be lost trying to get the cow back to high production again.

The Waldens carry a small hog program with their dairy, producing 6 litters fall and spring. We can save grain on the hogs by marketing them at light weights, he says. "But what about the meat shortage?" he asks. Their hogs are raised on clean ranges each year that provide alfalfa and clover. W. C. Walden believes that is

(Continued on Page 27)



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## Saving Grain

[Continued from Page 26]

about the only way to save grain on hogs and still produce meat. He does not believe hogs can be brought up economically without grain. He puts it this way, "You can't make a dollar boarding hogs."

Even the failure to provide grain for dairy cows stands to reduce production the following year, the Waldens may have to cut the amount they will feed this winter. They raised only about half the corn they would ordinarily use. Part of the deficiency will be made up with oats and grain sorghum.

The Beckwith brothers, of Leavenworth county, agree with the Waldens when it comes to feeding grain to dairy cows. Verlon Beckwith has a herd of 40 Holsteins, 28 were in milk last month. His herd average has been around the 350-pound mark and he believes in feeding grain even when his herd is on the best pasture. He just doesn't believe it is possible to put milk and butterfat in the bucket without grain. Good pasture is a necessity in his program, too, but grain fed to a dairy herd makes the difference between a profitable herd and one that just breaks even, in his opinion. He, too, points out that it would require another year to get his herd back in condition if he did not feed grain when in production.

### Reduces Herd Size

Clifford Beckwith says he did not raise enough grain for his dairy herd this year. At present prices it is just trading dollars to buy the feed, so he is reducing the size of his herd to conform with supplies. Even then he expects to cut his ration from 1 pound of grain to 4 pounds of milk, to a ration of 1 to 5 and possibly even 1 to 6.

Good pasture is a boon to any livestock program, but this has been a rough year from that standpoint, too. Dry weather caught native grasses and stockmen have been unable to get the usual fall pastures for the same reason.

Like Verlon Beckwith, many are pasturing the last growth of alfalfa, or other legumes. But there is a definite limit to that. Mr. Beckwith says he was getting a lot of grazing from 30 acres of alfalfa but had to limit the grazing to protect the stand. He wants alfalfa hay next year. Too much grazing in fall would harm the crop.

Up and down the line there seems to be little difference in the feed situation. Feed grains are short, roughage is far from long, and fall pasture prospects were far from good. Sure, tell a farmer to save grain; but smile, brother, when you say that.

### Overcomes Faults

Farmers often make 2 complaints against the laying house. One is that woven wire used for straw lofts sometimes allows mice and birds to get into the loft or sags under the weight of the straw. The other is that it is difficult to keep the floor dry.

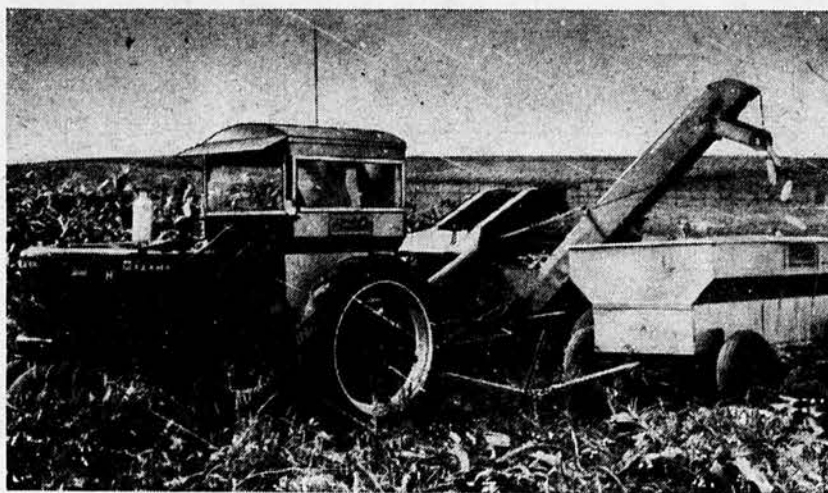
Perry Teaford, of Jefferson county, has overcome both of these faults in his new laying house. Instead of woven wire for the straw loft he used metal lath, which has a mesh too fine for anything to get thru and is more sturdy than woven wire.

For a dry floor he laid 2 inches of concrete, covered it with tar paper, then laid 2 more inches of flooring. We visited the house after a prolonged wet spell but the floor was perfectly dry.



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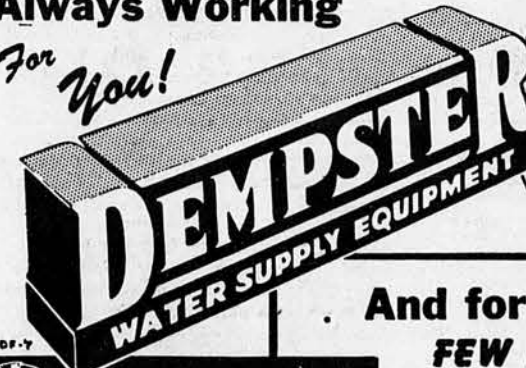
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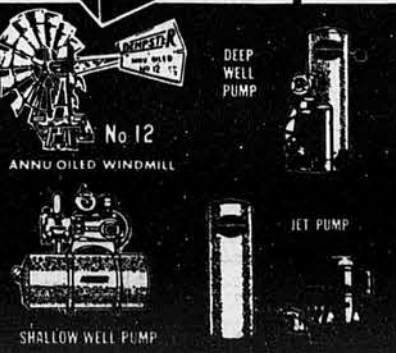


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## Inflation

(Continued from Page 5)

and the Congress, are trying to get together to save a basic industry when the tide turns.

World and domestic demands are so heavy, and with little apparent prospect of becoming immediately lighter, that most major farm commodities promise to be in short supply and with relatively high prices thru 1948—later part depending largely on 1948 grain crops. As of today wheat prospects are none too good.

The Administration is looking for a way out on the poultryless, eggless Thursdays program for saving "feed," so more grain will be available for Europe. May already have found a way to retreat, more or less gracefully.

### What U. S. D. A. Suggests

The Department of Agriculture has submitted its proposals—more than 100,000 words that took 3 days to read and partially to explain—for a long-range national farm program to the Congressional Committees on Agriculture.

The Department proposal would include these as essential; at any rate they are emphasized in the reports and the arguments:

1. "Modernization" of the parity formula to lower the parity prices on wheat, cotton, corn; increase on dairy and livestock (hogs practically unchanged); include farm labor costs in the formula; have a movable 10-year base period, instead of 1909-14 and various other base periods set up from time to time on certain commodities not satisfied with the 1909-14 base.

2. Price support for farm prices at about 75 per cent of parity (discretion to Department to use sliding scale to encourage or discourage production of selected commodities) if farm labor included in parity formula; 80 per cent under present formula composition.

It will be noted that until the end of 1948, government farm price supports on a score or so of major farm commodities (basic and "Steagall") are promised at 90 per cent of parity, except cotton at 92½ per cent.

3. "A strong program of production goals, aided by adjustable price supports, so that agricultural production can be adjusted to changing demands as rapidly as possible." May be that the words should have been "production controls" instead of "production goals."

4. Continuation of conservation payments, with suggestion that Congress consider "tying conservation and performance payments to price supports or other Government assistance programs." Still more production controls.

### Three Points for Consumption

The foregoing are the main points in the program of putting a "floor" under farm prices and income.

For putting a "floor" under consumption, the Department proposed this 3-point program:

A. Continuation and expansion of the school-lunch program to improve childrens' health and provide wider markets especially for milk, eggs, meats, fruits and vegetables.

B. Resumption of the food-stamp plan, expanded somewhat from prewar depression days, following the general

(Continued on Page 29)



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## Inflation

(Continued from Page 28)

provisions of the Aiken (Senator from Vermont) bill. That would guarantee an adequate diet for every man, woman and child in the country. Whenever 40 per cent of the income of any family was insufficient to provide the minimum adequate diet, the Treasury would make up the difference by issuing food stamps. A permanent subsidy for the American family grocery bill.

C. Increased facilities and appropriations for nutrition research to provide consumers with a better diet and farmers with increased markets; complete freedom from want for everyone so far as food concerned, when combined with (B).

Whether the next session of Congress, overloaded already with international problems, foreign relief problems, national defense problems, expenditure and tax-reduction programs, and a Presidential campaign year, will be able to do more than vote an extension of the present price-support program, is not yet certain. Especially in view of the probability that prices for most major commodities promise to remain at parity or better thru the coming year.

### How Would These Do?

The following table shows the alternative "modernized" parity prices in the Department proposal, compared to parity under the present formula (all as of Sept. 15, 1947) on some of the more important commodities—you know present market prices already:

Commodity	Dollars	Modernized parity without wages	Modernized parity with wages	Present parity
Wheat, bu.	1.70	1.79	2.10	
Corn, bu.	1.34	1.42	1.52	
Oats, bu.	.773	.815	.946	
Flaxseed, bu.	3.63	3.82	4.01	
Grain sorghums, cwt.	2.23	2.35	2.87	
Soybeans, bu.	2.28	2.40	2.28	
Peanuts, lb.	.0867	.0915	.1138	
Cotton, lb.	.2489	.2625	.2939	
Cotton seed, ton	60.90	64.20	53.40	
Hogs, cwt.	17.20	18.10	17.20	
Beef cattle, cwt.	15.10	16.00	12.80	
Veal calves, cwt.	17.30	18.20	16.00	
Sheep, cwt.	8.27	8.72	10.70	
Lambs, cwt.	16.70	17.60	13.90	
Butterfat, lb.	.63	.665	.623	
Milk, wholesale, cwt.	4.01	4.22	3.79	
Chickens, lb.	.299	.315	.270	
Eggs, doz.	.448	.472	.51	
Turkeys, lb.	.356	.375	.341	
Wool, lb.	.531	.560	.434	

### Union Picks Fortune

Gene Fortune, Neosho county farmer, succeeds Harold Swanberg, Clay Center, as president of the Kansas Farmers Union, it was announced following the annual election held at Salina. Homer Stence, McPherson, was elected vice-president. New directors chosen were Wilbert Eilrich, Ellsworth, and George Rinehart, Parsons. Directors whose terms carry over include Fred Meek, Idana; Bill Gutchell, St. Marys, and Charles Hance, Stockton.

During the convention delegates passed resolutions endorsing the United Nations, commending Senator Capper and Representative Hope on their agricultural work in Congress, endorsed soil conservation, farmer-labor co-operation, farm-to-market and farm-to-school roads, and non-compulsory consolidation of schools. Delegates also approved a resolution suggesting a floor under farm prices, using a parity formula of prices as of August 1, 1947. They suggested taking care of farm surpluses by marketing quotas.

### Pastures Early

Getting the maximum amount of pasture from sweet clover is important in using this legume in the rotation, believes J. Harold Cowen, of Bourbon county.

He gets his sweet clover started as early as possible in the spring. As soon as he is assured that the roots and plants are well established, he starts pasturing. "It usually is far enough along by midsummer," he says. In good seasons Mr. Cowen pastures 4 to 6 head of dairy cattle an acre on sweet clover from 30 to 60 days during the summer.

"I never have any trouble with bloat," states Mr. Cowen, "because I always keep plenty of dry feed and water where the cattle can get to them."



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Just as  
it does in livestock

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6 Hyacinths or 6 Regal Lilies, large bulbs 1.00  
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10 Apple Trees, six best sorts, 5 ft. 5.50  
All prepaid. Special prices on large lots. List free. Order from Welch Nursery, Shenandoah, Iowa

We Sell on the Installment Plan. Best Varieties Peach and Apple Trees, low as 12c; Grapevines 4c; Shrubs, 13c; Evergreens, 15c. Seeds and Plants, Catalog Free. Benton County Nursery, Box 538, Rogers, Arkansas.

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**HENRY FIELD SEED CO.**

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For Sale—German Police Pups. Geo. Freeman, R-4, Manhattan, Kansas.

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

Used Army Raincoats. Satisfaction guaranteed. Send no money—pay when received. Good serviceable condition \$1.50, better \$2.00, practically new \$2.00. Buford Butts, Sharon, Tenn.

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2 to 7 room sizes, only well known brands.

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## Public Sales of Livestock

### Angus Cattle

March 1—Reed Stock Farm, Wichita, Kan.  
November 17—Simon's Angus Farm, Madison, Kan. Sale at Emporia Livestock Sale Co.

### Aryshire Cattle

November 25—Homer S. Call & Son, Cedar Vale, Kan.

### Guernsey Cattle

November 17—Annual Fall Breeders' Show and Sale, Omaha, Nebr. H. C. McKelvie, Sale Manager, Stock Yards Sta., Omaha, Nebr.

### Hereford Cattle

November 4—North Central Kansas Hereford Association Show and Sale, Concordia, Kan. George Wreath, Manager, Belleville, Kan.

November 10—Nebraska Sandhills Special Sale, Arthur, Nebr. Theo. Frye, Sale Manager, Arthur, Nebr.

November 10—Cowley County Hereford Breeders, Winfield, Kan.

November 11—W. H. Tonn & Son, Haven, Kan.

November 12—J. H. Banker, Salina, Kan.

November 13—Oscar Gideon, Emmett, Kan.

November 15—Brethour Bros., Green, Kan. Sale at Marysville, Kan.

November 17—Harvey County Hereford Breeders (Horned and Polled), Newton, Kan.

Harold Gingers, Sec., Seewick, Kan.

November 18—Wabaunsee County Hereford Breeders' Association, Alma, Kan., Howard C. Meyers, Secretary.

November 19—Dickinson County Hereford Breeders' Ass'n, Abilene, Kan. V. E. McAdams, Secretary, Abilene, Kan.

November 21—Sunflower Futurity, Hutchinson, Kan.

November 28—Duttlinger Bros., Monument, Kan.

November 29—The Saline County Hereford Breeders' Association Show and Sale, Salina, Kan.

December 1—Ed Barnes Dispersion Sale, Collyer, Kan. Vic Roth, Sales Manager, Hays, Kan.

December 13—Flint Hills Hereford Association, Cottonwood Falls, Kan. R. R. Melton, Secretary, Marion, Kan.

February 2—Waite Bros., Winfield, Kan.

### Polled Hereford Cattle

November 14—Plain View Farms, Jesse Riffel & Sons, Enterprise, Kan.

December 6—Roy E. Dillard, Salina, Kan.

### Holstein Cattle

November 6—St. Joseph Home, Abilene, Kan. E. A. Dawy, Sales Manager, Salina, Kan.

November 10—Central Kansas Holstein Breeders' Sale, Hutchinson, Kan. T. Hobart McVay, Sales Manager.

November 25—Annual Fall Breeders' Show and Sale, Omaha, Neb. C. E. Wylam, Manager, Waverly, Ia.

### Jersey Cattle

November 4—Kansas Jersey Cattle Club, Fair Grounds, Hutchinson, Kan. Ray Smith, Secretary, Hutchinson, Kan.

November 8—Gamsjager Dairy, Newkirk, Okla. Ivan Gates, Sales Manager, West Liberty, Ia.

November 10—Earl S. Davidson, Kansas City, Kan. Ivan N. Gates, Sale Manager, West Liberty, Iowa.

November 11—Frank L. Young, Cheney, Kan.

November 14—Burton W. Bloss & Sons, Pawnee City, Neb.

### Shorthorn Cattle

November 7—Mid-Kansas Breeders' Association, Salina, Kan. Mervin F. Aegerter, Seward, Neb.

November 18—Kansas State Shorthorn Association, Hutchinson, Kan. Lot F. Taylor, Secretary, Manhattan, Kan.

### Milking Shorthorn Cattle

November 13—McPherson-Rice County Breeders, sale at McPherson.

### Polled Shorthorn Cattle

November 17—Kansas State Polled Shorthorn Association, Hutchinson, Kan. Lot F. Taylor, Secretary, Manhattan, Kan.

### Dairy Cattle

November 14—Burton W. Bloss & Sons, Pawnee City, Neb., and Jake & Arthur Hunzeker, Humboldt, Neb. Sale at Pawnee City, Neb.

### Poland China Hogs

November 3—J. J. Hartman & Son, Elmo, Kan.

### Hampshire Sheep

November 24—Missouri breeders state sale, South St. Joseph, Mo. Rollo E. Singleton, Sale Manager, Department of Agriculture, Jefferson City, Mo.

The CLIFFORD H. PUGH Guernsey dispersion sale held late in September was a great success. The 37 head sold for \$9,517.50 cents, with a top price of \$540 paid by James A. Davis, of Hutchinson, for female lot No. 4. The highest-priced bull went to Lewis Honeywell, of Cushing, Okla., at \$400. The low price paid was \$32.50 for a 9-day-old bull calf.

## 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	\$31.25	\$32.50	\$31.00
Hogs	28.50	29.65	25.10
Lambs	24.50	23.50	24.00
Hens, 4 to 5 lbs.	.17	.18½	.21
Eggs, Standards	.47	.47	.42
Butterfat, No. 1	.70	.73	.80
Wheat, No. 2, Hard	3.26½	3.17½	2.12
Corn, No. 2, Yellow	2.43	2.36	1.85
Oats, No. 2, White	1.26	1.17	.88½
Barley, No. 2	1.82	1.76	1.42
Alfalfa, No. 1	37.00	35.00	33.00
Prairie, No. 1	20.00	20.00	20.00

## ● AGENTS AND SALESMEN

Wanted: Produce dealers in walnut-bearing sections of Kansas to buy walnuts from producers. We provide unlimited dealer outlet at guaranteed prices. Warehouses at St. Joe, Kansas City and St. Scott where you deliver for extra margin. Write for dealer prices and window cards. Merrill V. Nipps, Mt. Vernon, Missouri.

## ● FARMS—KANSAS

Farms, Ranches, City Properties for sale or exchange. Write your wants. T. B. Godsey, Emporia, Kan.

## ● FARMS—MISCELLANEOUS

Strout's Farm Catalog describes over 2,800 outstanding farm bargains—Coast to Coast. Many with stock, eqpt. included. Pictures galore. Mailed Free. Write today. Strout Realty, 20 West 9th St., Kansas City 6, Missouri.

New Free Winter Catalog 20 states, many equipped, many illustrated. Write today! United Farm Agency, 428-KP, BMA Bldg., Kansas City 8, Mo.

## HOGS

### Haven Hollow Farm Durocs

Do Well for others. The 1947 Grand Champion 4-H Barrow at Hutchinson State Fair and the Res. Ch. Duroc 4-H barrow at the Wichita Fat Stock Show were both sired by a boar bought in our sale last fall. Numerous county winners were by sires and dams of our breeding. Top quality spring boars and open gilts by 'topper now for sale at reasonable prices. G. F. GERMANN & SONS, Manhattan, Kan.

### CHOICE DUROC GILTS

Sired by Top Crown, Bred to real herd sires for fall litters. Best type conformation and color. Fancy Spring Boars and Open Gilts by Top Crown. One fall boar.

**B. M. HOOK & SON, Silver Lake, Kansas**

### DUROC BOARS

Dark red, heavy bodied, quick fattening kind. Registered, double immuned and priced to sell. **CLARENCE MILLER, Alma, Kansas**

### Shepherd's Superior Spring Boars

Sired by Lo Thick Master and Super Spot Light (top boars coming to Kansas in '48). These are growty, real red, very thick, deep, smooth bodies, great hams, low set, none better. Immuned and guaranteed to please. See them or write us before buying your boar. Kansas' oldest herd. G. M. SHEPHERD, Lyons, Kan.

## NOW OFFERING

### Outstanding Duroc Boars and Gilts

Of March and April farrow. Choice individuals and popular breeding. Priced to sell.

**Howard C. Tallaferr, Leon, Kansas**

### Supreme Quality Duroc Boars

Best of breeding, conformation and growth. Registered, shipped on approval. Come or write.

**WILLIS HUSTON, Americus, Kansas**

### Good Selection of Poland Hogs

Easy feeders, the deep mellow and meaty type. Proven bloodlines. Just over the line in Nebraska.

**BAUER BROS., Gladstone, Nebr.**

### REG. POLAND BOARS and GILTS

By Reconstructor and Black Prince. The farmer and packers type. We produced the light weight first prize barrow at the Kansas State Fair. These pigs are well developed, outstanding individuals and priced right. **RAY SAYLER & SONS, Manhattan, Kansas**

### BILLMAN'S QUALITY SPOTS

We have many top spring boars with plenty of new blood for old customers. Immuned and registered. Visitors welcome. Mail orders guaranteed to please.

**CARL BILLMAN, Holton, Kan.**

(5 miles east on Hwy 116—1 mile south)

### Spotted Poland Spring Boars

Various bloodlines. Weaning pigs. For a choice gilt bred to the Jr. Champion Boar at Hutchinson State Fair 1947 or a son of 1948 Grand Champion boar, get your name on the line. Have a lot of new blood for old customers. Registered and immuned.

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Norwich, Kansas

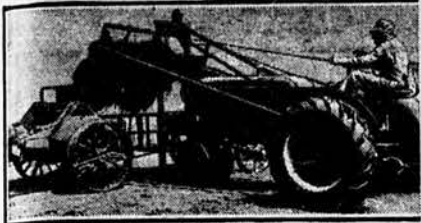
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Choice spring boars. Double immune. For prices and description write or visit

**SUNNYBROOK FARM, Richland, Kansas**

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The Workmaster is the most economical loader of its kind on the market, yet it's packed with features that you want. Handles heavy loads with ease. Fits any tricycle type tractor; also made for 4-wheel tractors. Easy to handle... easy to operate... easy to mount or dismount.

The Workmaster can be economically converted into the Haymaster-10 stacker-loader, by purchase of a few conversion parts. Workmaster also has 2 other labor-saving attachments, the BUCK RAKE and the BULLDOZER. See your implement dealer, or write us for complete information, care of Dept. KF-11

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INDIANOLA, IOWA

## SHOVELS SNOW, SAWS WOOD PLOWS and CULTIVATES

**SHAW DU-ALL and  
'PEPPY PAL' TRACTORS**

These rugged walking and riding tractors pay their way the year 'round. Plows, discs, harrows, hauls, operates lawn mower, cutter bar, spray, bulldozes, plows snow, runs wood saw and other belt machinery.

Ideal for small farms, orchards, truck gardens, poultry farms, golf courses and estates.

Easy to change attachments with improved Jiffy Hitch. Patented tool control allows quick adjustment for crooked rows or wide hills. Sturdy, extra-strength construction means low upkeep cost. Operates for only a few cents an hour.

### LOW FACTORY PRICES

Buy direct and save. Mass production holds prices down—quality up. Any one who has a garden can afford a Peppy Pal. Write for FREE folders and pricelist.

**SHAW MFG. CO.** 3411 Front St., Galesburg, Mo.  
668 K.S. North 4th St., Columbus, Ohio

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## Offering HAMPSHIRE SHEEP

My entire flock consisting of 48 registered Hampshire ewes. Will start lambing December 25. These are richly bred with plenty of type. Please write for further information. Priced reasonably.

**RAYMOND OHLDE, Palmer, Kan.**

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## IN THE FIELD



**Jesse R. Johnson**  
Topeka, Kansas  
Livestock Editor

and **MIKE WILSON, Livestock Fieldman,**  
Muscotah, Kansas.

The **DURNELL AND COX DUROC** sale, Odessa, Mo., September 30, attracted a good crowd and around 40 head were sold. Boars averaged \$88.48 and gilts averaged \$96.86. The top boar sold for \$150 and top gilt \$142.50. Missouri buyers purchased about 95 per cent of the entire sale offering. This was the third sale for these breeders and they presented a well-grown offering. Bert Powell did the selling.

Many Kansans gathered at the **JOHN LUTZ** farm east of Bison, October 9, to take part in what was known as one of the most important dispersion sales in Kansas. The top female of the auction went at \$1,650 to Duttlinger Brothers, of Monument. The top bull for the day was \$675. This bull sold to Jack Gibbs, of Jetmore, who also selected several good females in the sale. Forty-eight lots in the entire auction made a general average of \$587 per head.

**J. E. HUGENOT**, formerly of Minneola, has purchased a good stock farm near Moline, and says he is quitting wheat growing and will continue to breed more and better registered Milking Shorthorns and registered O I C hogs. With alfalfa and good native pastures he says the future looks the brightest for the man who depends on good livestock. The Milking Shorthorn herd now consists of about 70 head and one of the best registered O I C foundations he has ever had.

The **TRI-STATE BROWN SWISS** sale and the **BRADENHURST** Brown Swiss dispersal were held at the Fair Grounds, Topeka, October 22 and 23. Average on 40 head sold in the Tri-State sale was \$688.75, and the Bradenhurst dispersal averaged \$1,029 on 36 head. Secretary Idtze, of the National Brown Swiss Association, made this statement following the two sales: "The Tri-State sale was the highest state sale ever held by this breed, and the Bradenhurst dispersal made the second highest average of any dispersal ever held by a breeder in America."

The 4-year-old white Milking Shorthorn cow, **White Stylish**, bred, owned and shown by **JOE HUNTER**, of Geneseo, was made grand champion female of the breed at the 1947 American Royal. The foundation of the herd from which this great cow descended was laid by the late Warren Hunter, who was one of the first breeders and defenders of this great breed of cattle. White Stylish was also a member of an 8-animal group of the breed that placed first in competition with herds from 15 states.

The Brown Swiss cow was certainly "The Queen For a Day" at Topeka, October 22, having taken her place among the most favorable dairy breeds. October 22 was the date of the first **3-STATE BROWN SWISS** sale. Kansas, Nebraska and Missouri were co-operating. Forty head drawn from 22 leading herds of the above states sold for a general average of \$668, with a top of \$1,350 paid by J. W. Ovtz, Sycamore, Ill., for a 3-year-old cow consigned by John W. Braden, of Hutchinson. This cow's 6-months-old bull calf went to a new home at \$600.

Twenty-six of the 40 head sold came from 14 Kansas herds. Three Missouri herds furnished 8 head and one Nebraska breeder brought 6 head. George W. Rogers, of Hooper, Nebr., bought the bull calf and only 2 other bulls were sold. One to Grimmer Bros., Manhattan, at \$675, and the other to Gallatin Ranch, Big Horn, Wyo., for \$525.

Twenty-six head went back to Kansas farms, 5 to Colorado, 2 to Nebraska, 4 to Missouri, 2 to Massachusetts, and 1 to Illinois. The Brown Swiss, while one of the oldest dairy breeds, is new in Kansas and has made a most phenomenal growth. From the standpoint of breed uniformity, price and general distribution, this is one of the best public dairy sales ever held in the state. Bert Powell was the auctioneer.

**O'BRYAN RANCH** Hampshire sale, Hiattville, October 25, attracted a crowd that filled the sale pavilion to capacity. One hundred seventeen registered Hampshires were sold for an average of \$140. Twenty-five boars averaged \$190 with 66 open gilts averaging \$121. Twenty-five gilts that had just been bred averaged \$150.

Top boar was lot 43 and at \$485 he was purchased by W. Robert Lewis, of Wilmington, Ohio. Second top of \$400 on boars was paid by Pearl Gnielo, Halstead, for lot 15. Top gilt at \$460 went to Lettow, Brothers, Alden, Iowa.

While a few of the tops went out of the state, it was the breeders and farmers from Kansas and Missouri who really made the sale average as stated possible. They liked the practical, meat-type Hampshire that had been giving a good account of themselves in the feed lot and on the farm and were there to buy them.

O'Bryan Ranch Hampshires had just won the grand championship carlot over all breeds at the American Royal for the 4th time, 2nd prize heavy weight carlot and champion Hampshire barrow as well as reserve champion barrow over all breeds at this great show. Premier exhibitor award for the best 8 head of hogs shown was won by the O'Bryans at the Royal. After selling the 117 registered Hampshires several off-belt spring gilts were sold at good prices. The sale was conducted by Bert Powell and Ray Simms. Press representatives assisted in the ring.

## HOGS

### YORKSHIRE HOGS

The lean-meat, post-war breed. Bred gilts, unrelated pigs. Write for illustrated circular.  
Yalehurst Yorkshire Farms, Peoria, Illinois

## HORSES -- JACKS

### FOR SALE

Young team to Sorrel Belgian mares broke and in foal to sorrel jack.  
**NATHAN KUNTZ, Rt. 1, Abilene, Kansas**

# EASY-on-the-Bird WORMING!



## \* Dr. Salsbury's ROTA-CAPS

Remove Large Roundworms & Intestinal Capillaria  
Worms with Gentle Action, due to ROTAMINE  
No Serious Egg Loss

★ Heavy infestations of large roundworms and intestinal capillaria worms can set back your birds, cost you money.

Remove these worms easily, economically with Dr. Salsbury's Rota-Caps, without serious egg loss. That's because only Rota-Caps contain Rotamine. Gentle, efficient action is easier on the birds.

Individual Treatment  
Preferred 5 to 1

When you "Rota-Cap" your flock, each bird gets proper dosage. EASY to do. And Rota-Caps remove damaging intestinal capillaria worms many other treatments don't get. Preferred by poultry raisers, 5 to 1.

Don't risk needless feed and egg losses or harsher treatments. Give your birds dependable Rota-Caps. Get genuine Dr. Salsbury's Rota-Caps at hatcheries, drug, or feed stores, now.

**DR. SALSBUARY'S LABORATORIES, Charles City, Iowa**  
A Nation-wide Poultry Service

THE ONLY TREATMENT CONTAINING ROTAMINE



BUY AT DEALERS DISPLAYING  
THIS SERVICE EMBLEM

## TONIC BENEFITS For your Flock

Easy to use

Drop handy tablets into drinking water; mix thoroughly. Test-proved with customary feeds.



Double-Purpose  
DRINKING WATER MEDICINE  
1. STIMULATES GROWTH in Young Birds (2 tablets per gallon) 2. Prevents spread of CECAL COCCIDIOSIS (8 tablets per gallon) Give your flock these unusual tonic benefits of REN-O-SAL now. Praised by thousands.

**Dr. Salsbury's  
REN-O-SAL  
DOUBLE-PURPOSE  
DRINKING WATER MEDICINE**



## FOR BUMPER CROPS PLANT...

# LAUBER Blue Valley HYBRID CORN SEED



YELLOW HYBRIDS WHITE HYBRIDS

This is the year you'll want to book your seed corn order early. Good quality seed sure to be scarce due to poor season in many areas. We guarantee to deliver high germinating, precision graded, perfectly matured seed. 14 varieties to select from. See your dealer or write direct for catalog.

DEALERS-AGENTS WANTED — Some good territories still available. Write today for our dealer-agent proposition.

WRITE FOR NEW SEED CORN CATALOG — GIVES COMPLETE DESCRIPTIONS OF LAUBER HYBRIDS

**LAUBER SEED FARMS GENEVA NEBR.**



**Beef CATTLE**

# PLAIN VIEW FARMS POLLED HEREFORDS at Auction

Enterprise, Kansas  
November 14

10 Bulls  
35 Females

8 sons of the Champion PVF Advance Worth 2nd, 1 by Real Plato Domino, 1 by M. P. Domino 92. 15 daughters of PVF Advance Worth 2nd, 20 by PVF Worthmore B. D. and Don Worthmore.



The 1942 and 1943 National Grand Champion Polled Hereford Bull. November 14th is your opportunity to own 8 sons and 15 daughters of this great sire.

**JESSE RIFFEL & SONS**  
Enterprise, Kansas

Charles Corkle, Auctioneer  
Mike Wilson, Kansas Farmer

# Brethours' Big Reduction Hereford Sale

Marysville, Kansas  
Saturday, November 15

80 HEAD—Home-grown Cattle  
40 Females — 30 Bulls

For Catalog Write

**BRETHOUR BROS.**  
Green, Kansas

Auctioneer: Guy Pettit  
Mike and Jess with Kansas Farmer

# TWO GOOD HERD BULLS

For Sale, 4 and 5 years old. We also are consigning to the

**Dickinson County  
Hereford Assn. Sale**  
November 19

HARRY RIFFEL, Hope, Kan.

# Don't Forget! Cowley's Big Hereford Breeders Sale

Winfield, Kansas  
Monday, Nov. 10, 1 P. M.

Chas. H. Cloud, Winfield, Kan.

Auctioneer: W. H. Heldenbrand  
Mike Wilson with Kansas Farmer

**Beef CATTLE**

For Sale  
YEARLING  
BULLS

Of good type that are well grown and ready to go to work. Sired by WHR Royal Tredway 18th and out of Prince Domino and Imperial Lamplighter dams. Priced reasonable. Visit our herd any time.

**LEONARD HELD & SON**  
Great Bend, Kansas

# Reg. Polled Hereford Cows

For Sale. A nice group of young cows bred to calve in the spring to Real Choice Domino (Kuhlmann bred bull). Calfood vaccinated with Brucella abortus vaccine strain 19 and tested clean.

One Horned Bull, WHR Super Star, a WHR bred 2-year-old son of WHR Super Domino 20th. An outstanding individual. His first calf has been dropped and has an exceptionally deep body and short legs. Cattle priced to sell—see them soon or write.

**Joseph C. Maes Polled Herefords**  
1 mile from Bushton, Kansas  
On Hi-Way No. 4 and 45

**POLLED HEREFORDS**

Five young cows with spring calves at side, four heifers, one bull, good herd sire prospect. Registered. Start a herd for \$1,500.00.

J. M. PARKS, 1305 Wayne, Topeka, Kansas

# OUR CONSIGNMENT Dickinson County Hereford Sale Abilene, Kansas Wednesday, Nov. 19

1 HORNED BULL, E. E. Adv. Prince Domino, calved April 15, 1946, sired by Real P. Dom. Stanway; Dam, C K Miss Charity 5th.

1 HORNED COW, E. E. Idolmere Onward, calved March 2, 1946, sired by C K Adv. Domino Onward; Dam, Idolmere Stanway 2 D.

**EARL ELLIOTT, Detroit, Kansas**

**Registered Hereford Cows**

10 Cows, good ages, bred to Polled bulled. \$200 each. Also few bull calves 10 months old.

MERLE ROGERS, Garnett, Kan.

**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, 414 East Central Ave., Wichita 6, Kansas. Telephone 68313 residence; farm 5-3868.

**SHORTHORNS FOR SALE**  
8 Reg. Heifers, ages ranging 6 months to 3 years. Both milking and beef types. Also 1 reg. Milking-type cow with 4-month-old calf.

ELMER HOLLE, Bushong, Kan.

When Writing Advertisers, Mention  
Kansas Farmer

**Dairy CATTLE****REG JERSEY DISPERSAL**

of the entire herd of  
Earl S. Davidson, Kansas City, Kan.  
At farm 2 miles west of Kansas  
City, Kan., on

Monday, November 10—1 P. M.

32 HEAD

"Philidora's Standard" and  
"Royal Mary's Design" Breeding

18 Cows, mostly young; daughters of Blonde Standard Pompous—Excellent Five-Star Bull; and of Raleigh Double Designer—Superior and Silver Medal sire.

12 Heifers—all ages—and 2 young bulls. A small but select herd of Registered Jerseys built from foundation stock selected from the former "Gold Bond" herd (D. A. Rider), Bethel, Kansas. All Tb. and Bang's tested.

All dairy equipment sells—including Surge milking machine 1 year old, Aerator, cans, etc.

For catalog write:

**IVAN N. GATES, Sale Manager**  
West Liberty, Iowa

Auctioneer: Tony Thornton, Springfield, Mo.

**JERSEY BULL CALVES (Reg.)**

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

**RIDGE RUN FARMS, Box 261, Aurora, Mo.**

# Two Holstein Bulls for Sale

Born October 4 - October 9, 1946

Sired by Carnation Madcap Marshall, whose dam produced as a 5-year-old 29,245 lbs. milk and 1,036.3 lbs. fat in 365 days. She had 4 A. R. daughters that made from 1,046 to 1,392 lbs. fat.

Dams—a "Very Good" Billy daughter and "Good Plus" granddaughter.

**K. W. PHILLIPS & SONS**  
Manhattan, 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

**Two Choice Holstein Bulls**

For Sale. Serviceable age, weight about 800 lbs.

**GILBERT BEAGEL, Alta Vista, Kan.**

**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 Grade Guernsey Bred Heifers

20 HEAD of choice ones. Large for age and in good condition. 14 of them will begin calving in March. A few others will calve in December.

**PAT CHESTNUT**  
Denison, Kansas

**Dairy CATTLE****DAIRY CATTLE**

At Auction

Burton W. Bloss Farm

November 14, 1947  
Pawnee City, Neb.

23 Registered and Grade Jersey Cows with production records and classified for type.  
4 Registered and Grade open Jersey heifers suitable for 4-H and F. F. A. projects.  
6 Grade bred Guernsey heifers.  
3 Registered Jersey Bulls under 1 year old. All cattle are Bang's vaccinated and Tb. tested. Write for catalog—

**Burton W. Bloss & Sons, Pawnee City, Neb.**  
Jake & Arthur Hunziker, Humboldt, Neb.  
Owners

Aucts.: Bert Powell, Topeka, Kan., and George Albright, Humboldt, Neb.  
Clerk: Home State Bank, Humboldt, Neb.

# GUERNSEY HEIFER SALE Monday, November 10

Fair Barn

**50 Guernsey Heifers**

About one-half registered, the others grades. Mostly close up Springers. A few 4-H Club Heifers. Some nice registered yearling bulls. Will be shown at the sale for private sale. Write for catalog to W. L. Schultz, Mgr., Hillsboro, Tb. and Bang's tested. Boyd Newcomb, Auctioneer.

**REGISTERED GUERNSEYS**

Since 1906 High Production. Correct Type. Popular Bloodlines.  
**Ransom Farm, Homewood (Franklin Co.), Kan.**

**FREE JUDGING MANUAL**

Learn the fine points of Holsteins—the breed which beats all records for milk production—which now constitutes over 50 per cent of all the dairy cows in the U. S.—and which produces economically from home-grown feeds and keeps it up sometimes as long as 15 to 18 years. This manual is an official organ of The Holstein Friesian Association of America. Send for your free copy today.

**HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA** • Brattleboro, Vermont • Box

**Ayrshire Bulls for Sale**

Baby calves to serviceable age. D.H.I. record dams. Farmer priced.

**DONALD & ESTHER ALFORD**  
Lawrence, Kan.

**Dual-Purpose CATTLE**

# McPherson, Rice County MILKING SHORTHORN BREEDERS' SALE

Miller Ranch, 2 Miles West on  
50N and ½ North

McPherson, Kan., Nov. 13

40 HEAD—25 Females—15 Bulls

This is our 4th annual sale of selected, horned and polled Milking Shorthorns. This sale will again give the average farmer an opportunity to buy his herd bull that is backed by good production to improve his herd. The offering will also include cows, bred heifers and open heifers. Many of these heifers will make good 4-H projects.

For catalog write

**C. O. HEIDEBRECHT, Sec., Inman, Ks.**  
Auctioneer: Gus Heidebrecht

# MILKING-BRED SHORTHORN BULLS

From calves to serviceable age. Many from R. M. and classified dams.

**H. R. Lucas & Sons, Macksville, Kan.**

**Duallyn Milking Shorthorns**

The home of 2 National Grand Champions, Duallyn Juniper and Bluejacket Roan Lou, each the product of four or more generations of our own breeding. The herd prefixes—Duallyn and Bluejacket—whenever they appear in Milking Shorthorn pedigrees stand for established and recognized quality and reliability. Bulls bred at Duallyn are herd improvers of both milking and fleshing qualities. Calves for sale.

**JOHN B. GAGE, Eudora, Kansas**

**OFFERING MILKING-BRED SHORTHORN BULLS**

Out of cows with records. 1946 herd average 299.4 fat. We also are consigning a yearling bull to the McPherson November 13 sale, out of an RM dam with 369 lbs. fat.

**RAYMOND LINDHOLM, Windom, Kansas**

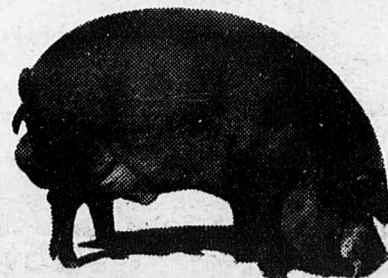
# MILKING SHORTHORNS O I C HOGS

Registered and fed properly. Young serviceable bulls and boars. 12 years in business.

**J. E. HUGENOT, Moline, 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**

**QUALITY DUROC SPRING BOARS**

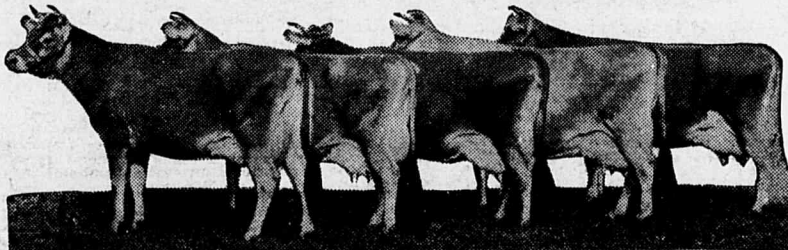
We are now offering for sale Duroc Boars of top quality sired by the top son of Kehl King, also by Admiral and Victor Ace. These boars are of good type, well grown and ready to go out and do good for their new owners. They are cholera immune. We also have plenty of new blood for our old customers who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

**ARTHUR E. ROEPKE**  
Waterville, Kansas



## REG. JERSEY DISPERSAL Armistice Day, Nov. 11

Sale starts at 12:30 on Farm 30 Miles West of Wichita, Kansas



### 45 Registered Jerseys

18 Daughters of Rachel's Masterson 4430322, an excellent son of the Excellent Superior sire, Premier Masterson 346973 out of Excellent Brampton Whynot Rachel 1155456. Rachel's Masterson has 18 classified daughters scored 85%, his 12 oldest daughters have finished their 305-day lactation which will make him a tested sire. All these daughters will be in the sale.

Five daughters of Zanthra of Oz 596796 will be sold.

25 Cows fresh or heavy springers

9 yearling heifers, extra good.

1 herd sire

5 coming 1-year-old bulls will range from 4 to 5 stars.

Mail bids may be sent to Jesse Johnson, O. Lewis Oswald, or Boyd Newcom, Auct., in my care at Cheney, Kansas.

Elton W. Young is consigning 8 head.

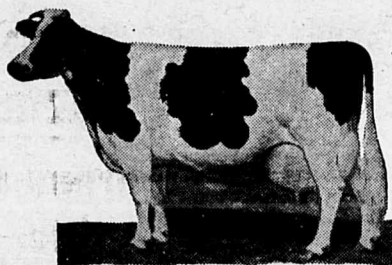
Lunch will be served on grounds.

**SHADY GROVE FARM**  
Frank L. Young, Cheney, Kansas

## ANNOUNCING SAND SPRINGS HOLSTEIN DISPERSAL

At the Farm

Sand Springs, Okla., Tuesday, Nov. 18



### 90 Head Registered Holsteins

54 Cows with AR and HIR Records

11 Bred Heifers — 8 Yearling Heifers

10 Heifers — 5 Bulls

1 Grandson of Montvic Posch Rag Apple

Tb. and Bang's and Mastitis Tested. Every animal Calhhood vaccinated. 400 lbs. average last year on 35 head.

Land now occupied by Sand Springs Dairy has been sold, necessitating complete dispersal of this fine Holstein herd established in 1932.

For information and catalog write

**E. A. DAWDY, Salina, Kansas**

Auct.: Roy Pauli, Broken Arrow, Okla. P. E. Estell, Trustee in Charge  
S. D. Bennefield, Herdsman

## Kansas Shorthorn and Polled Shorthorn Breeders Sale

Kansas State Fair Grounds

Hutchinson, Kan., Nov. 17 and 18

POLLED CATTLE SHOW AND SALE 17th  
HORDED SHOW AND SALE 18th

Judging at 9 A. M.—Sale at 12:30 P. M.



### POLLED SHORTHORNS — 23 BULLS — 25 FEMALES

J. C. Banbury, Plevna  
Wayne C. Beldt, Raymond  
Booker & Petterson, Beloit  
H. E. Eshelman, Sedgwick  
Earl J. Fleser, Norwich  
Emerson S. Good, Barnard  
James S. Henry, Stafford

Clyde W. Miller, Mahaska  
W. A. Rosenberger, Greensburg  
W. E. Oliver, Cheney  
John E. Reece, Langdon  
Roy R. Rutledge, Woodward, Okla.  
Arthur Tonn, Haven  
Cecil Unruh, Greensburg  
Love & Love, Partridge

### SHORTHORNS — 29 BULLS — 51 HEIFERS

R. L. Bach, Larned  
Arthur Bloomer, Lancaster  
Earle Clemmens, Waldo  
R. M. Collier & Son, Alta Vista  
C. M. Cummings, Kingsdown  
Glenn Gallart, Larned  
W. V. Harshman, Clements  
Walter A. Hunt, Arkansas City  
Kansas State College, Manhattan  
Edd R. Markee, Petwin  
Rodney H. McCallum, Cottonwood Falls  
McIlrath Bros., Kingman

Mr. & Mrs. Webster G. Olsen, Clements  
Haas Regier, Whitewater  
Ralph Schulte, Little River  
H. H. Spengler, Winfield  
E. L. Stunkel, Peck  
William E. Thorne, Lancaster  
Richard E. Tindell, Burlingame  
Tomson Brothers, Wakarusa  
L. C. Watts & Son, Cassoday  
Geo. J. Weiss, Andale  
W. A. Young & Son, Clearwater

For information — LOT F. TAYLOR, Manhattan, Sale Manager

Jack Halsey, Auctioneer

Mike Wilson for Kansas Farmer

## Announcing Our Sale Nov. 28

At the Ranch



You, too, can make "Headway with Tredway" our noted sire, WHR Royal Tredway 9th, by WHR Royal Triump. His breeding will be a feature of our sale.

On November 28 we will sell 10 promising bulls . . . 7 of them by WHR Royal Tredway 9th. One is an excellent 2-year-old, and the rest range from 12 to 18 months.

**Fifty females**—none yet 4 years old. They include 5 by WHR Royal Tredway 9th, 2 coming 3-year-olds bred to TO Lad 17th, and 3 yearlings bred to Dandy Domino 7th, our outstanding son of the 1946 Tucson champion, Double Dandy Domino. The rest are 2-year-olds and 3-year-olds, and it is our intention to have them all bred by sale day—20 to WHR Royal Tredway 9th. A number will carry service of Battle Spartan 8th, a seven-eighths brother to Battle Spartan 16th, the Bear Claw Bull; and to a good TO Bull.

We cordially invite you to be with us November 28 at the ranch, located 3 miles south of Monument. Watch for more information.

**DUTTLINGER BROS., Monument, Kan.**

## Central Kansas Holstein Breeders' Fall Consignment Sale — Hutchinson, Kan., Monday, November 10

Kansas State Fairgrounds

The greatest consignment in this series of sales: 50 Head of Cows in production; 12 Head Bred Heifers; 10 herd sire prospects; a few Open Heifers and Heifer Calves

### 80 HEAD — REGISTERED HOLSTEINS — 80 HEAD

A great consignment of 17 cows and 4 bulls from Security Benefit Association, including a daughter of Clyde Hill Elsie Tidy Lad, from a daughter of "Rock," daughters of Montvic Rag Apple Chieftan, many of them carrying service to Carnation Standby, a son of "Imperial." The whole consignment are of Top Quality.

All of Carl E. Dauber registered cattle; rich in Harvey Bros., and Sir Bess Tidy (Excellent) breeding.

From E. S. Lyman—He always sells good ones, and these are better than ever before. A great consignment of bred heifers and 2- and 3-year-old cows.

Quentin & Dale Kubin, heifers and a real young herd sire. He just missed the State Sale.

Cliff Beckwith is sending 8 head from the heart of the herd.

Raymond Briggeman, a sister to the Kubin "Peggy" cow and a daughter of a 900 lbs. fat cow.

Jake Zarnowski, a son of Weber Hazelwood Burke Raven from a 502 lbs. 2-year-old. Also a bred heifer. The heifer is a full sister to the dam of the bull in the sale.

C. P. Regier—a bull, son of Crescent Beauty Charming Segis, and a female.

La Wanda Fleming—her 4-H bred heifer.

A. M. Davis—a real consignment of young cows. A high record bull, 568 lbs. 3-yr.-old dam.

Arnold Funk—A "Very Good" cow.

Abe Thut—a daughter of Heersche Performer and a pair of real cows.

E. S. Stephenson—a great pair of heifers and a bull of State Sale type.

Clarence Hinek-Linn—is sending 3 springer cows, real ones.

W. H. Mott—Some real ones; and one each from Hammeck, and Finkelstein.

Individual health certificates on all cattle, as tested within 30 days of sale. Many calhhood vaccinated. Never before as many top cows in a sale in this series, sound, young freshening right, and in great numbers. The place to fortify your production and breeding program.

Be at Hutchinson on Monday, November 10, if you want great cows.

Inspect them on Sunday, November 9.

Auctioneers: Powell, Cole, Wilson

T. Hobart McVay, Sale Manager

## An Outstanding Herd Sire For Sale



HRW Pontiac Ormsby, 969930, born November 16, 1942. Officially Classified Excellent. This is a full brother to HRW Homestead Pontiac Triune, also Excellent, three times Grand Champion at Kansas State Fair. All Kansas Aged Bull in 1946, and owned by John Heersche & Ed Regier. A promising young sire that promises to follow in the footsteps of his illustrious full brother.

**NEALE FARMS, Waco, Texas**

For information write E. A. DAWDY, Salina, Kansas

## JERSEY CATTLE Dissolution Sale Hutchinson, Kan., Thurs., Nov. 13

FAIR GROUNDS

The Howard J. Carey and O. J. Gould Jersey Herds

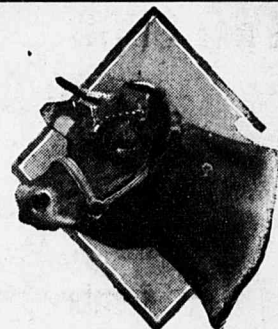
45 HEAD

16 cows in milk, 15 springing heifers, 6 yearlings, 6 heifer calves, 1 yearling herd bull out of a tested dam, 1 proved herd bull.

For catalog write RAY E. SMITH, Sale Manager,  
Rt. 2, Hutchinson, Kansas

Auctioneer: Bert Powell

Jesse R. Johnson with Kansas Farmer



## You Are Invited to Inspect Our Consignment

at the Kansas State Polled Shorthorn Sale

Hutchinson, Kan., Mon., Nov. 17

We Are Offering

Dale Craftsman x—a soggy, good headed roan of serviceable age

Marilo Count x—a deep red December calf, smooth and short legged

Melita Maxine x—an even roan beautiful heifer, 17 months old and bred to Kiowa Coronet 10th x.

Betsy B. 3rd x—you will like this blocky deep-bodied September 1946 heifer.

We are offering at private treaty a good straight-lined, all-red, 17-month-old bull by Loyal Prince x.

**LOVE & LOVE, Partridge, Kan.**





## Sunflower HEREFORD Futurity Show and Sale Hutchinson, Kan. -- Nov. 21

State Fairgrounds  
Show at 9 A. M. — Sale at 12:30 P. M.



### 32 BULLS — 30 FEMALES

From the Following Well-known Herds in Kansas:

Vic Roth, Hays.  
Ralph Chain & Sons, Haven.  
Cornwell Hereford Farm, St. John.  
F. W. Cleland & Son, Baldwin.  
Leo R. Craft, Kinsley.  
Dutlinger Brothers, Monument.  
Joseph M. Dortland, Gorham.  
Earl Elliott, Detroit.  
Foster Farms, Rexford.  
Hays Hereford Farms, Cedar Vale.  
Broken Wine Cup Ranch, Marion.  
J. B. Pritchard, Dunlap.  
L. L. Jones & Son, Garden City.  
Ewaldt Kickgafer, Herington.  
H. L. Krehbiel, Pretty Prairie.  
John N. Luft, LaCrosse.  
Miller & Manning, Council Grove.

Miller Brothers' Hereford Ranch, McPherson.  
T. L. Welsh, Abilene.  
Titus & Stout, Cottonwood Falls.  
H. P. Stephens, Parsons.  
Charles Samp, McCune.  
Premier Hereford Farms, Wolcott.  
Hal Ramsbottom, Munden.  
J. J. Moxley, Council Grove.  
Sutor Hereford Farm, Palco.  
A. R. Schlickau & Sons, Haven.  
George Conrardy, Kingman.  
Walnut Hill Hereford Ranch, Great Bend.  
C. K. Ranch, Brookville.  
Don Shaffer, Hutchinson.  
Elmer L. Johnson, Smolan.  
Paul Conrardy, Kingman.

**A. G. Pickett, Sale Manager, Manhattan, Kansas**

Freddie Chandler, Auctioneer

Mike Wilson, Kansas Farmer

## Dispersion Sale of Barnes Hereford Ranch Lamplighter Herefords

At the Ranch, 1 Mile East and 6 North of COLLYER, KANSAS

**December 1, 1 P. M.**



### 110 LOTS — 90 FEMALES — 20 BULLS

35 COWS with calves at side, 35 open heifers, 20 bred heifers. 18 bulls 12 to 24 months of age. 2 herd bulls. Mixer Lamplighter 4026663 and Reals Mixer 9th 4638852. Mixer Lamplighter was one of the tops in Mousels 1944 sale and is a top breeding bull. It would not be possible to buy him only for this dispersal. A great number of the bred cows are carrying his service or have calves by side sired by him. The females are mostly straight Anxiety breeding. This offering is very intensely Mousel breeding. All cattle Tb. tested. All cows Tb. free and the younger females officially vaccinated.

**ED BARNES, Owner**

Address All Correspondence to VIC ROTH, Box 3, Hays, Kan., Sale Manager  
Mike Wilson, Kansas Farmer

Seventh Annual

## Armistice Day Sale



**At Valley View Ranch  
Tuesday, November 11**

Ranch located on good road 3 miles west and 3 1/4 miles south of Haven, Kansas

Sale starts at 1:00 P. M. Lunch served on grounds.

### 50 Head Reg. Herefords — 15 Bulls — 35 Females

Outstanding bloodlines WHR, Bocaldo 6th, Don Carlos, Real Dom..

Also good consignments from Ralph Chain and Son, Orin Chain and Son and O. W. Fishburn and Son.

Most of our cows are bred to Circle A Proud Mixer 1st, whose grandsire is also the grandsire of WHR's \$61,000 Bull at their recent sale. Some of the heifers are bred to Advance K Tone, Reserve Champion at the Kansas State Show and Sale last January.

**W. H. TONN AND SON**

For catalog write Harold Tonn, Haven, Kansas, Auct. and Sale Mgr.

## Saline County Hereford Sale

At the Beverly Sales Pavilion

**Salina, Kansas --- Saturday, Nov. 29**

**28 Bulls --- 30 Females**



CK Royal Dundy 1st Representative Sire

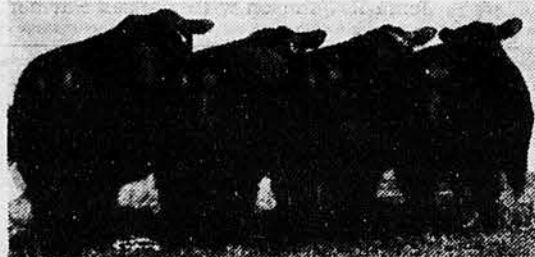
Herd Bull prospects and farm bulls of popular breeding and strong individuality ready to use. The females range from open heifers to cows with calves and have been selected for breeding and individuality to make a top consignment.

Your opportunity to select top individuals from "The Beef Breed Supreme."

Write for catalog, addressing

**GENE SUNDGREN, Sale Manager, Brookville, Kan.**

## Complete Dispersion Sale of Reg. Aberdeen-Angus



Get of Sire by One of the Herd Bulls That Sells

This dispersion includes some of the greatest herd bulls and some of the top foundation females both as individuals and breeding in this land. Mark November 17 on your calendar and plan to be with us.

For Catalog Write

**SIMON'S ANGUS FARM, Madison, Kansas**

AT EMPORIA LIVESTOCK  
SALES CO.

**Emporia, Kansas  
November 17**

Sale Starts at 12 o'Clock  
Noon

20 BULLS — 110 FEMALES  
130 LOTS

## Harvey County Polled and Horned Herefords 4th Annual Sale

**Newton, Kansas, Monday, Nov. 17**

**53 HEAD carefully selected from 9  
leading herds.**

12 BULLS — 41 FEMALES  
Quality With Breeding to Match

Sale in Quonset Building. For Catalog Address

**HAROLD GINGRASS, Secretary, Sedgwick, Kansas**  
Auctioneer: Harold Tonn





# Gideon's Hereford Production Sale

**Thursday, November 13**

Sale on farm 2 miles north and 2 miles east of Emmett, which town is on Highway 63, 9 miles north of St. Marys, Kansas. All-weather roads. Sale under cover.



Domestic Lamplighter 46th 4326516

**60 HEAD**, featuring the breeding and service of our herd bulls Anxiety Mixer and Domestic Lamplighter.

**12 Bulls**, thick, short-legged fellows, 8 to 12 months old.

**48 Females**, 26 head bred, including 10 two-year-old heifers of extra quality, sired by Anxiety Mixer and bred to Domestic Lamplighter.

**12 Open Heifers** and 10 Heifer Calves.

We are going deep into our herd for this offering of all home-bred cattle, selling some of our best breeding animals.

For catalog address

**OSCAR GIDEON, Owner, Emmett, Kansas**

Auctioneer: Charles Corkle

Mike Wilson and Jesse R. Johnson with Kansas Farmer



**Nebraska Sandhills Special**

## Hereford Sale

**Arthur, Nebraska  
Monday, November 10**

**A Highly Specialized Consignment of 53 BULLS — 12 FEMALES**

**FROM THE HERDS OF**  
Mart Mathers, Sutherland, Nebraska  
E. B. Frye and Sons, Arthur, Nebraska  
Byron Sadle, Sutherland, Nebraska  
Paul Chambers, Arthur, Nebraska  
May Trego, Sutherland, Nebraska  
**CONSISTING OF**  
33 Bulls, yearlings and two-year-olds  
20 Bull Calves  
5 Bred Heifers  
5 Open Heifers  
2 Cows  
Sons and Daughters of Real Prince Domino 279th, Comprest Prince 64th, Domino 302nd, Nu Aster Real 15th, Domino 470th, Junior Domino 97th, Real Flash 294th.  
This is a consignment of Excellent Rugged Individuals Rich in Blood of the Great Sires of the Breed. Write for Catalog. Plan to Attend.  
Theo. Frye, Arthur, Nebr., Sale Manager E. T. Sherlock, St. Francis, Kan., Auctioneer

**Sale Begins at 1:00 P. M. Mountain Time at  
THE ARTHUR LIVESTOCK COMMISSION COMPANY PAVILION**

Jesse R. Johnson with Kansas Farmer

## Roy Dillard Farm Hereford

### Dispersal Sale

**Saturday, December 6**

**89 Lots—POLLED and HORNED (Mostly Polled)**

**52 Females**, 30 mature cows (20 of them with calves at foot) 7 bred heifers and 15 younger heifers.

**17 Bulls**—two herd bulls and 15 young bulls.

Represented in the breeding are such sires as Dafos Mischief, Melvin Mischief, CK Creator, CK Cascade, CK Cadet, CK Challenger D 88th, Royal Dunday 7th (All outstanding sires). This sale will be followed immediately by the dispersal of the Ed Polcyn herd of 40 head. Polcyn's address is Gorham, Kansas.

For Catalog Write **ROY E. DILLARD, Salina, Kansas**

Auctioneer: Charles Corkle

Mike Wilson with Kansas Farmer



## Annual Wabaunsee County HEREFORD SALE

**Alma, Kan., Tues., Nov. 18**

Show 10:30 A. M.—Sale 1 P. M.

**Wabaunsee County Fair Barn 60 TOP CATTLE — 40 FEMALES — 20 BULLS**  
A grand offering from best Bluestem pastures' country in the cattle kingdom.

**CONSIGNORS:**

**ALFRED CAPOUN**, Alma  
**C. K. RANCH**, Brookville  
**BRUCE CLARK & SON**, Alta Vista  
**DONALD DIEBALL**, Alma  
**LEO EBEL**, Onaga  
**ALLEN ENGLE**, Topeka  
**PAUL C. FECHNER**, Alta Vista  
**GARLAND GIDEON**, Paxico  
For Catalogue or sale inquiries address **JAMES W. McKNIGHT, Sec., Eskridge, Kansas**  
Auct.: Guy Pettit, Bloomfield, Iowa  
**PAUL A. HARTWICK**, Wamego  
**BEN JOHNSON**, Alta Vista  
**ROBERT KOLTERMAN**, Wamego  
**JAMES W. McKNIGHT**, Eskridge  
**HAROLD A. MERTZ & SON**, Manhattan  
**J. E. SCHWALM**, Alma  
**WM. TRUE**, Paxico  
**RICHARD ZIEGLER**

Jesse R. Johnson with Kansas Farmer

## Hereford Sale Horned and Polled Registered Cattle Dickinson County Hereford Breeders Second Annual Fall Sale

Fair Grounds in Eisenhower Park

**Abilene, Kansas — Wednesday, November 19**

Show 10:00 A. M. — Sale 1:00 P. M.



**26 Bulls**

15 Horned — 11 Polled



**24 Females**

8 Horned — 16 Polled

Top Quality Cattle Selected by Sales Committee. Best bloodlines of Horned and Polled Breeding.

### Consignors:

**HOBSON BROTHERS**, Carlton  
**W. EARL MESSINGER**, Enterprise  
**T. L. WELSH**, Abilene  
**ERNEST SCHWARZ**, Gypsum  
**R. F. ELMER & JAMES RIFFEL**, Enterprise  
**IRA L. RIFFEL**, Woodbine  
**MERLE C. PALMER**, Hope  
**CLAYTON RIFFEL & SONS**, Hope  
**ANDREW RIFFEL**, Hope  
**HARRY RIFFEL & SON**, Hope  
**J. W. BOYCE**, Carlton  
**DAN RIFFEL & SON**, Hope

**MANUEL RIFFEL & SONS**, Hope  
**GEORGE L. RIFFEL & SON**, Hope  
**JONES HEREFORD FARM**, Detroit  
**DEAN SCHWARZ**, Carlton  
**RICHARD HOBSON**, Carlton  
**EARL ELLIOTT**, Detroit  
**WALTER SANDOW**, Elmo  
**JESS RIFFEL & SONS**, Enterprise  
**LOUIS KLEINSCHMIDT**, Hope  
**ROY LOCKARD**, Elmo  
**WM. LONGHOFFER**, Enterprise

For catalog write

**V. E. McADAMS, Secretary, Abilene, Kansas**

Auctioneer: Chas. Corkle



## Banker's Hereford Production Sale

Beverly Sale Pavilion

**Salina, Kansas**

**Wednesday, Nov. 12**

**52 HEAD** of good quality and breeding and in good breeding form.

**10 Cows**—6 to 10 years old.

**11 1947 Heifers.**

**15 Heifers**—coming 2-year-olds.

**1 Foster-bred Sire.**

All of the young cattle sired by Foster's Anxiety 14th. Every animal Tb. and Bang's tested.

We also sell one 18-months-old Palomino stud colt, a grandson of Shiek. Remember the Hodgeman County Hereford Breeders' Association Sale at Dodge City, November 13.

For catalog write—

**J. H. BANKER, Salina, Kansas**

Jesse R. Johnson with Kansas Farmer

Auctioneer: Freddie Chandler

**J. C. BANBURY & SONS CONSIGN**

## Polled Shorthorn Show and Sale

**Hutchinson, Kan., Nov. 17**



Queen of Hearts 2d x. She was the undefeated junior yearling of 1939 and dam of Red Coronet 2nd.

1. Proud Champion (roan), by Proud Royal 4th  
2. Oakwood Hallmark 2d (dark red) by Cherry Hill Hallmark  
3. Miss Avon Clipper 2d (dark red) by Red Coronet 2d  
4. Coronet's Lady Queen (roan) by Red Coronet 2d  
5. Coronita Hallmark (dark red) Cherry Hill Hallmark  
6. Imperial Coronita 5th (roan) by Red Coronet 2d  
A very dark red pair sired by Cherry Hill Hallmark and 3 heifer calves that are good enough to go into any herd, sired by Red Coronet 2d.  
25 young bulls for fall sale that are the best lot ever offered in the herd's 40 years of breeding by the above two sires.

**J. C. BANBURY & SONS, Phone 13F2, Plevna, Kansas**





# The Tank Truck



## Prize Winners All!

W. A. Arledge and his son, Wear Arledge of Campti, La., farm 1,050 acres of Red River Bottom land; Mrs. Arledge raises prize chickens; 14-year-old son, Tom, is the proud owner of the Louisiana State Champion Male Hog; and young daughter Mary's prize sow placed Third in the 1946 State Competition.

The picture at left shows Mr. Arledge filling one of his 3 tractors with Conoco Nth Motor Oil. Regarding his farming operations, Mr. Arledge writes:

"In order to operate efficiently I have to reach a maximum of hours on each tractor and find that the combination of Conoco Nth Motor Oil and Conoco Tractor Fuel will far surpass any competitive brand of oils that I have used to date.

"It is always a comfort to me when the crankcases of my tractors are drained to find no evidence of oil breakdown."

## Better Farm Lubrication!

Hardly a day goes by at Conoco without at least two or three letters from busy, grateful farmers. These farmers all work different crops, they use many different types of machinery . . . yet their stories are all identical! To a man, they praise Conoco Nth Motor Oil!



There's a reason! For years, Conoco research scientists worked to develop this better farm lubricant. They developed a *special ingredient* to add to motor oil to make it better. This special ingredient uses the force of *molecular attraction* to bond lubricant to metal. This bond is so close inside your engine that cylinder walls and other working parts are actually OIL-PLATED!

Because OIL-PLATING can't all

drain down . . . *even overnight* . . . working surfaces are safely protected at *all times*. This means you get EXTRA protection against corrosive wear while standing . . . against excessive wear from "dry" starts . . . from carbon and sludge, caused by wear!

So, call your Conoco Agent for quick delivery of Conoco Nth Motor Oil . . . and OIL-PLATE your engine without further delay! Call him today!

## "Conoco Nth Motor Oil Cuts Costs!"

...says a Kansas Farmer



Clarence Weidman of Jackson County, Kansas, says: "Have been using Conoco products for the past three years . . . get better performance . . . longer hours between crankcase drains and less repair bills because of oil never draining down to cause dry starts. Pressure lube sure does the job on the chassis . . . water doesn't wash it out of shackles and king pin bolts and other points."

Mr. Weidman, shown here with his Ford Ferguson Tractor farms 480 acres, located 3 miles north of Netawaka.

...says an Illinois Farmer



Mr. J. T. McAnulty, shown here with one of his tractors and his 'Jeep,' operates a 600-acre stock and grain farm near Farmersville, Ill. He writes as follows: ". . . have used Conoco Nth Motor Oil, gasoline and Conoco greases exclusively for the past ten years. My equipment includes three Allis-Chalmers tractors (two of them over eleven years old) . . . The fine quality of Conoco Nth Motor Oil and of Conoco greases and the excellence of N-tane gasoline as a fuel has done much to hold down my operating costs. . . ."

YOUR CONOCO AGENT



## Pineapple Salad!

This delicious prize-winning salad recipe was sent in by Mrs. Ray Hallman of Boswell, Oklahoma

- 1 pint whipping cream
- 1 small can crushed pineapple
- 1 small can white pitted cherries
- ½ lb. peanut brittle
- 12 marshmallows

Whip cream until fluffy. Add pineapple and cherries, omitting juice. Crush peanut brittle in small pieces, add to the above. Cut marshmallows in 4 pieces, stir all together and set in cool place or ice box for 30 minutes. Bananas may be sliced and added, if desired.



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**

**\$5.00 for your favorite recipe!**

## The Grease Veteran Says:



One thing he said struck me as a good idea. Here it is: This farmer always drains the oil out of his tractor as soon as he comes in from the field.

He drains while the tractor engine is hot . . . and he says he can prove that he gets better performance from his Conoco Nth Motor Oil. All dust and other residue that might have gotten into the oil settles down in the bottom of his oil container overnight . . . not in the crankcase! When he pours the Conoco Nth back in his tractor next time he uses it . . . he starts out with clean oil!"

## Handy Reamer!



Asa Bailey of Sayre, Oklahoma, sends in this idea for a hole reamer. Simply take an old door knob, insert a reamer bit and tighten the set screw. It's easy to carry, takes up small space in tool box.

## Simple Broom Rack!



Celsus Saale of Portage Des Sioux, Missouri, shows in the sketch at left how he makes a broom holder out of an old gate hinge. Bore a large hole in one side, shape the hinge around the hole, then attach it to wall. Holds broom off floor.

**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!