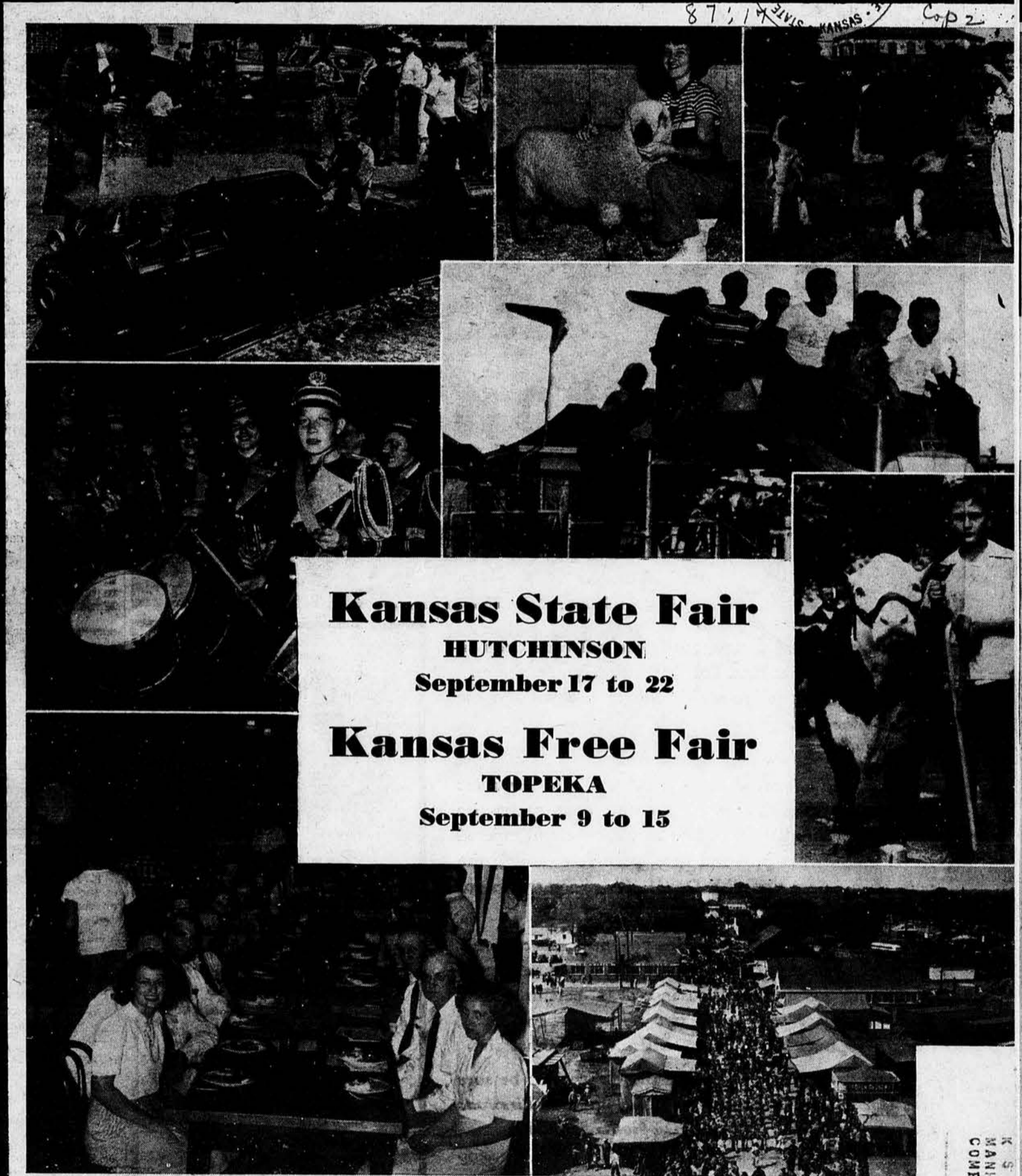


Kansas Farmer



Kansas State Fair
HUTCHINSON
September 17 to 22

Kansas Free Fair
TOPEKA
September 9 to 15

- **It's Fair Time**.....Pages 6 and 13
- **Renovate Brome Grass**Page 8
- **Kansas Hog Business**Page 10

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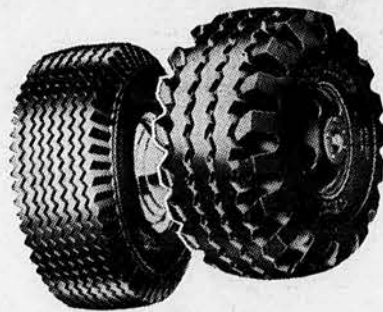
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Broiler-Growing Is Expanding

The broiler-production industry in Kansas is expanding. Several new projects have been started and community interest is growing, reports the Kansas Poultry Institute office at Topeka.

Clyde Hardy is getting several men in the Baldwin area interested in growing broilers. The first house, of 5,000-bird capacity, was built and put to use early this year. Two more houses of the same size are now being constructed. Mr. Hardy expects to have enough men interested so a half dozen 5,000-bird houses will be in use by end of the year. This enterprising poultryman operates a farm supply store and hatchery at Baldwin.

Charles A. Heckerson, of the Holton Produce Company, added a hatchery last spring. Now he is making a start in growing broilers. His initial set-up is for 1,200 birds. Joe Arndt, of Olpe, has made a good start with a capacity for 3,000 birds. At Highland, Earl Strunk operates a 2,200-bird project. Marlon Brubaker, of Waverly, started a 2,000-bird project in April. He operates a hatchery and poultry- and egg-buying station. Near Topeka, Dwight T. Ream has a new 2-story broiler house which will accommodate 6,000 birds.

Read the Label

Protection. That's the big item the Kansas agricultural seed law offers Kansas farmers.

That was the opinion recently expressed by John Monaghan, director of the control division of the Kansas State Board of Agriculture. Under the seed law, here are the items that must appear on a label:

Variety or type, kind, purity, germination, weed seed, hard seed (in the case of legumes), inert matter, other crop seed, origin, name and number of noxious weed seeds per pound, and the name and address of the distributor.

Last year some unlabeled barley seed was sold in Kansas as winter barley. Those who planted this seed last fall lost a crop because of winterkill. Charges were filed against the distributors of the seed who paid a fine of \$250 and court costs.

This example stresses the value of utilizing the seed law to the fullest in buying any agricultural seed, says Monaghan.

Time for School

Some rural schools are of the very best, but not all.

Doctor Lerrigo has issued a special letter, "When Your Child Goes to School" that will be sent to subscribers upon request. If you desire a copy, be sure to send stamped reply envelope addressed to yourself. Send your request to Editor, Kansas Farmer, Topeka, Kan.

Senator Capper on Radio

Every Sunday afternoon at 12:30 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

KANSAS FARMER

Continuing Mail & Breeze

121-123 West 8th St.

Topeka, Kansas

Vol. 87, No. 17

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Writes From Finland

Dale Johnson Gains Appreciation for Power Machinery After Working at the Tiitolas

"MY CAR'S GOT TWO MUFFLERS?"

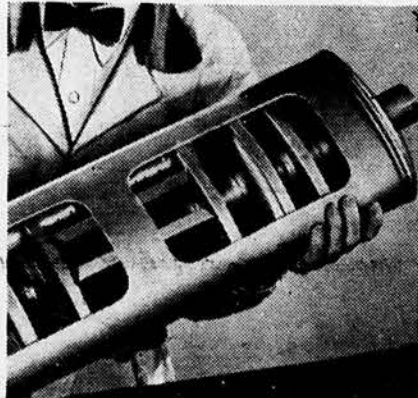


"I'M PUTTING TWO MUFFLERS ON YOUR CAR," THE MECHANIC TOLD ME. "TWO?" I SAID, "ALL I SEE IS ONE!"

HE EXPLAINED THAT THE GENUINE FORD MUFFLER HAS TWO SKINS FOR EXTRA QUIET AND LONGER LIFE...



HE TOLD ME IT HAS SAFETY-LOCKED SEAMS, TOO, AT BOTH ENDS TO ELIMINATE GAS SEEPAGE, AND CUT DOWN CORROSION. "AND," HE ADDED...



"ITS FREE-FLOW DESIGN GIVES BETTER GAS MILEAGE. IT'S THE LOWEST COST QUALITY MUFFLER WITH THESE QUIET, SAFETY, LONG-LIFE FEATURES."

YOU'LL FIND IT'S THE SAME WITH ALL GENUINE FORD PARTS. THEY'RE BUILT TO SAVE TIME, MONEY AND MEAN REAL SATISFACTION



AVAILABLE WHEREVER YOU SEE THIS SIGN AT ALL FORD DEALERS AND SELECTED INDEPENDENT GARAGES

KEEP YOUR FORD ALL FORD!



THIS IS VELMA: Velma, the horse, chews timothy as she hauls clover and timothy to the barn for making silage. The cart has rubber tires but still is rough riding.

Remember, Kansas Farmer promised to bring you letters from our 3 Kansas 4-H'ers who are spending some time on European farms this summer. Here is the fourth one from H. Dale Johnson, of Salina, written from Kainto, Finland.

These loaded carts were driven into the top floor of the barn, dumped, and the fodder was pitched into the silo. At intervals the hay was sprinkled with a nitric-acid mixture to improve fermentation. About 5 tons (metric system) were ensiled for each cow.

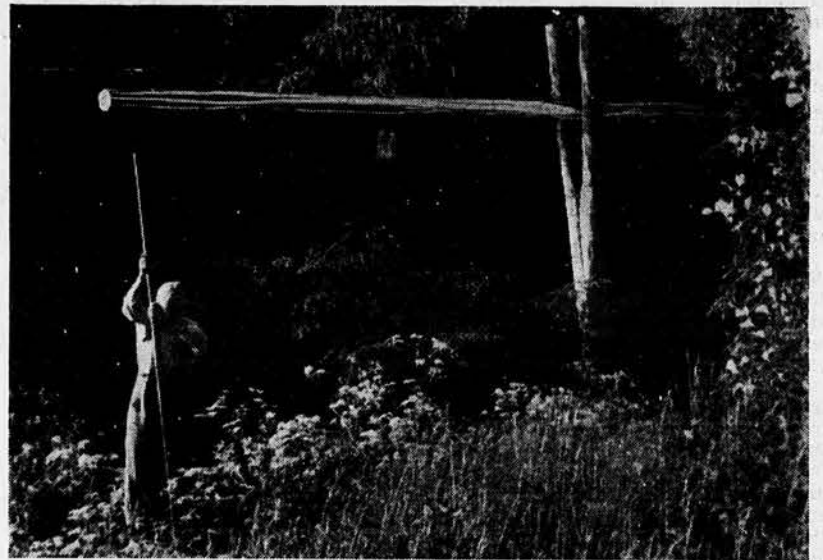
DEAR MR. GILKESON: We younger-generation Kansans don't really appreciate power machinery. After doing some of the manual field work here at the Tiitolas, I intend never again to complain about riding the tractor.

Very young and tender clover was treated the same way for chicken feed.

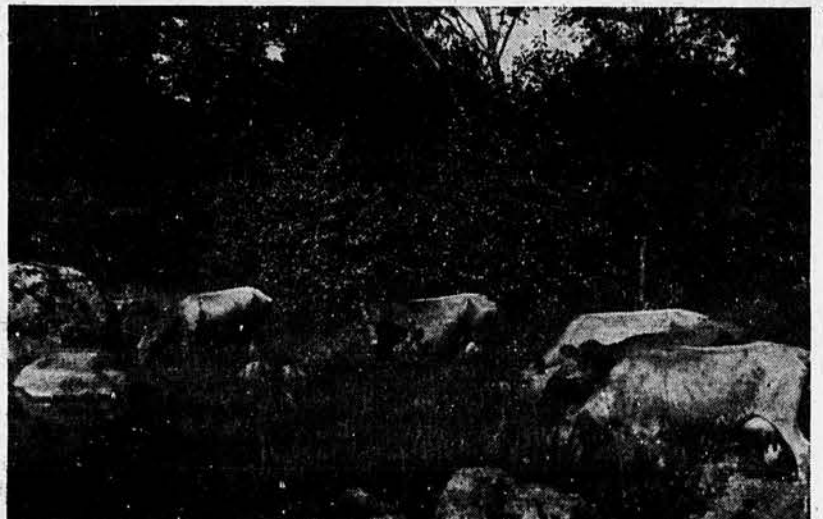
Red clover and timothy were recently made into silage for milk-cow feed. Just before it bloomed the hay was mowed with the International Harvester Cub then raked into windrows with a sulky rake. We pitched the windrows into 2-wheeled horse carts.

When the clover bloomed it was mowed and raked. Since it rains a lot it was then put on drying stakes, pointed 5-foot poles which have 2 removable cross sticks. When the stakes have been tamped into the ground, hay is pitched on the cross sticks which hold it apart so the circulating air dries it in about 5 days. Dry hay is loaded into carts and pitched into the hay barn. The Finnish word for July, "heinakuu" means hay month.

(Continued on Page 5)



LIFTING WATER: Markus lifts water for the horses with this balancing pole and bucket. This spring 26 birdhouses like the one beneath the pole were occupied by starlings.



STOCK WATER: Finnish cows drink from a natural lake. They graze on bluegrass and white clover in open fields. In the forest they eat ferns and wild strawberries. No wonder their milk is good.

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Rye, barley, oats, and spring wheat are other grain crops. They will be harvested soon.

Fields have been acquired by clearing away the forest. Since the soil is a very heavy clay, 12-inch-deep drainage ditches are found about every 50 feet. All farmers hope to have tile drainage someday.

Beautiful daisies, like ours grown at home for flowers, cornflowers, and what we call Queen Ann's Lace are weeds here. Yes, Jimson weed grows well in Finland, too.

In the summer the winter accumulation of straw and manure is hauled from the barn and spread on the fields.

The Tiitolas raise many garden crops including cabbage, cauliflower, carrots, beets, onions, lettuce, and dill. Cucumbers are a source of much of the farm's income. Early cucumbers are grown in hotbeds. The latter crop is grown in small fields and in the young orchard. Tomatoes are raised in the small greenhouse. Many potatoes are produced and stored in caves for winter use. Right now the strawberries are producing buckets of berries which are made into preserves. Currants will soon be ripe. Sugar beets are raised for sweetening blueberry juice.

On Fridays, garden vegetables, eggs, and ham are loaded into the motorboat, then the boys go around the lake selling the produce to the summer residents. Large crop surpluses are sold at the public market in Valkeakoski.

Kale is grown for fall cattle fodder. Last week we hand cultivated the acre of kale to get ride of the watercress and other weeds. The cress smelled like it would make good salad.

Finland's horses are a small native draft breed colored much like Palominos. They seem rather ill-tempered and nervous, but they are good workers. Horses aren't "whoaed" here, but "Brrritted." When I tried driving Velma from one window to another she only went in a circle. After that I learned how to correctly say "Brrrit."

Altho I have seen several herds of Ayrshires, most cows are an old native breed somewhat similar to Jerseys. These medium-sized cows give a large amount of good-quality milk; surplus milk is sold to a dairy in Tampere. Milking is done by a woman who lives with her 5 children in one of the Tiitolas' cottages. The Tiitola boys don't know how to milk. Are Finnish men smart?

Long-wooled northern sheep are pastured on the moss, ferns and bluegrass of the small islands. In winter this wool is spun and then knitted into stockings and sweaters. The 2 natural colors, black and white, are mixed to make a gray yarn.

Since pork is the favorite meat, 2 white pigs are being fattened on milk and potato peelings.

This farm specializes in purebred White Leghorn chickens. The laying flock contains many prize-winning birds. Chicks are hatched in the Tiitolas' small hatchery and sold to farmers in small numbers.

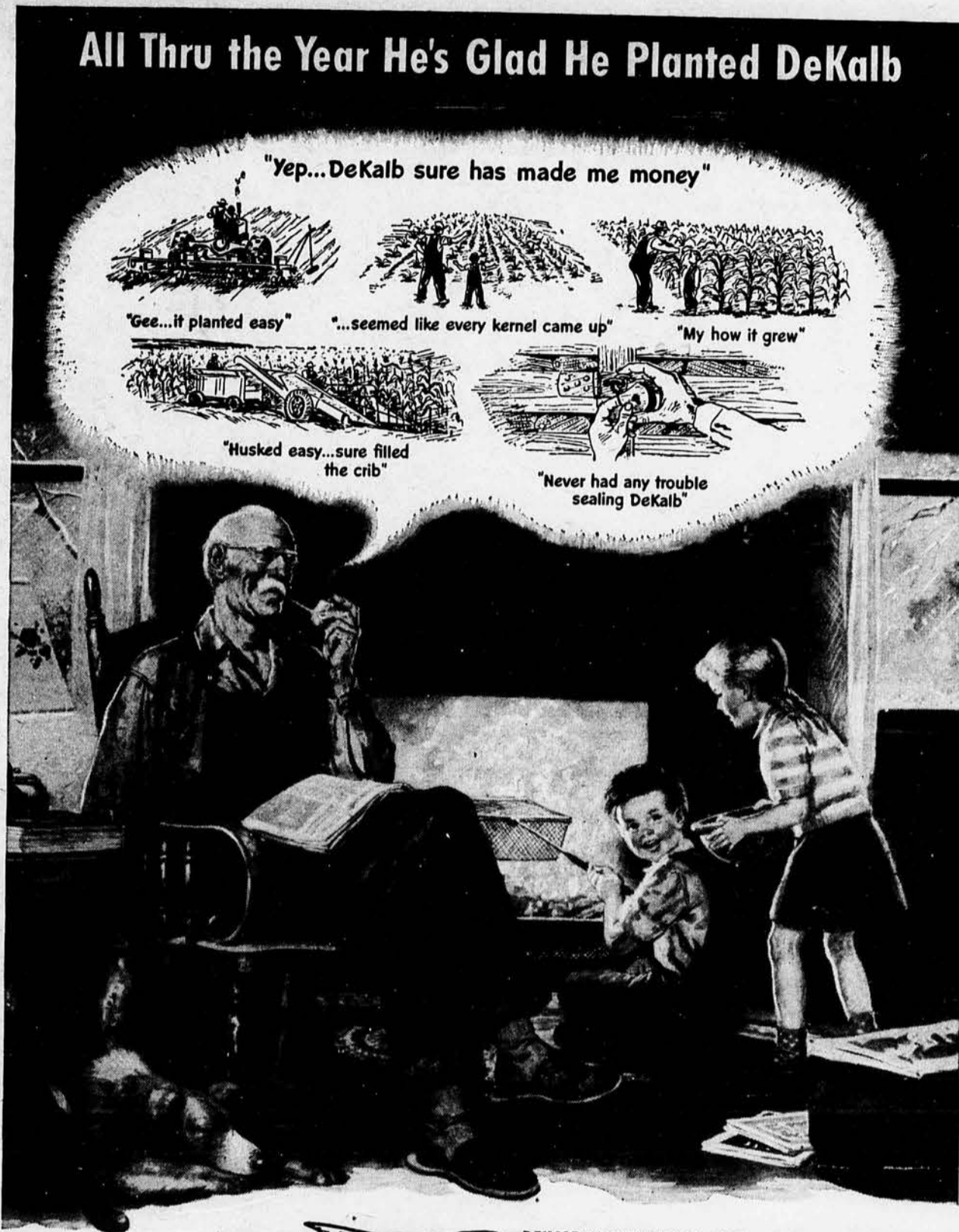
In Finland a car is a luxury and farm trucks are not. Instead, flat 2-wheeled trailers and a horse do the hauling. At this farm the I. H. Cub is used with the trailer. After a 5-kilometer ride to the junction, good bus connections can be made. Everyone rides a bicycle. I often ride a mile and a fourth to the mailbox, but the gravel stones, and hills cause me trouble. This family also owns 7 boats—2 motorboats, 3 rowboats and a plywood canoe and kiak. Since there is no petroleum in Finland, gasoline sells for about 80 cents a gallon. There is a yearly \$15 tax on cars.

—H. Dale Johnson.



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"My how it grew"

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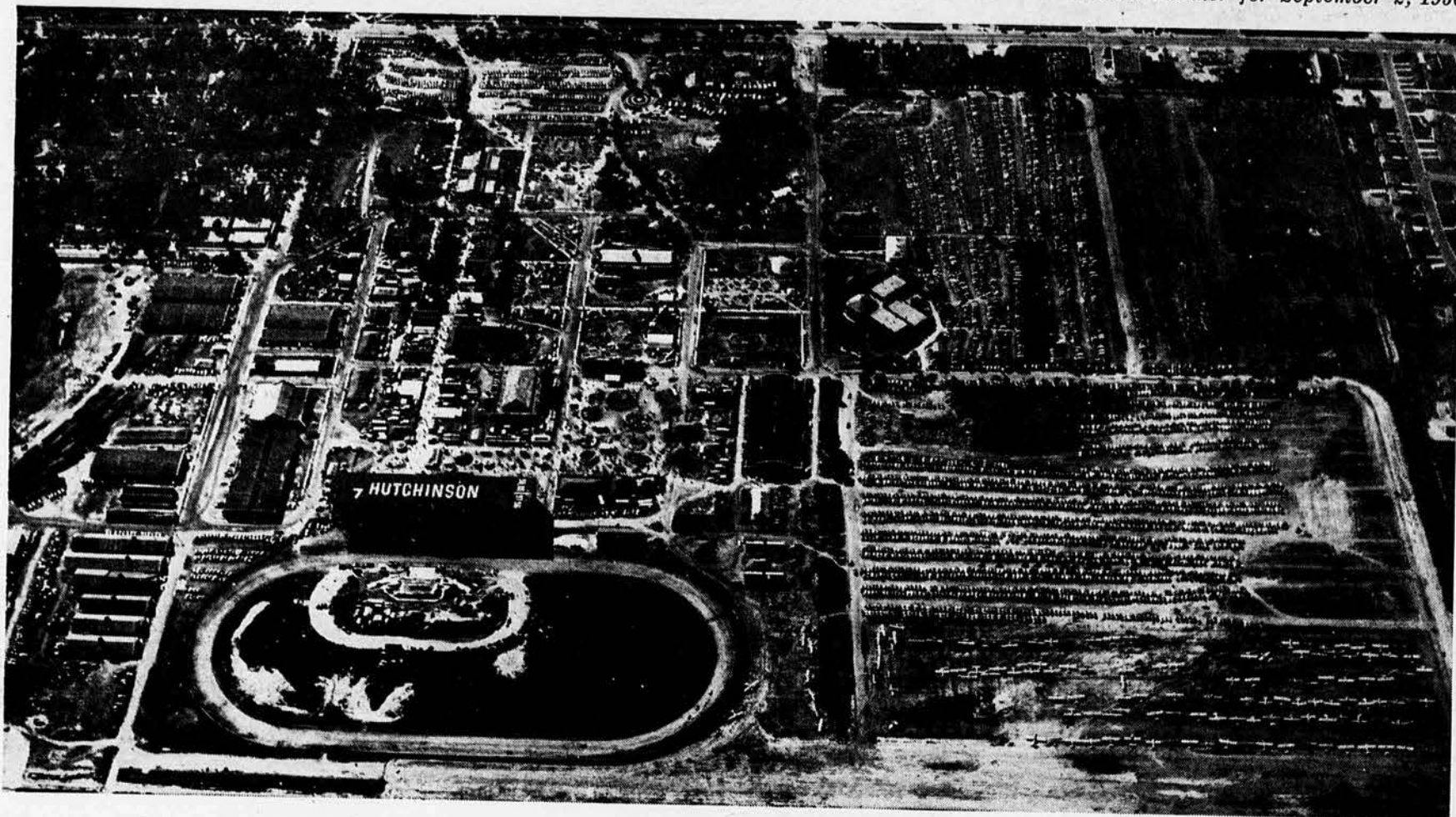
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SOME IDEA of the size of the Kansas State Fair, Hutchinson, is given in this aerial view taken during the fair last year. Note all the airplanes in the lower right corner. Kansas is the first State Fair to add an airstrip for flying visitors.

Bigger and Better!

That's Our 1950 STATE FAIR

By DICK MANN

IT MAY sound like an old story, but we're really going to have the biggest and best Kansas State Fair ever," says Virgil Miller, secretary. State Fair dates are September 17 thru 22.

Mr. Miller is not making just idle talk. All the advance dope backs him up. For instance, the machinery display last year sprawled over 43 acres for the biggest in the fair's history. This year you will be able to see nearly 50 acres of machinery. "We've just about run out of new places to put it," says William Wegener, assistant secretary, who is in charge of this department.

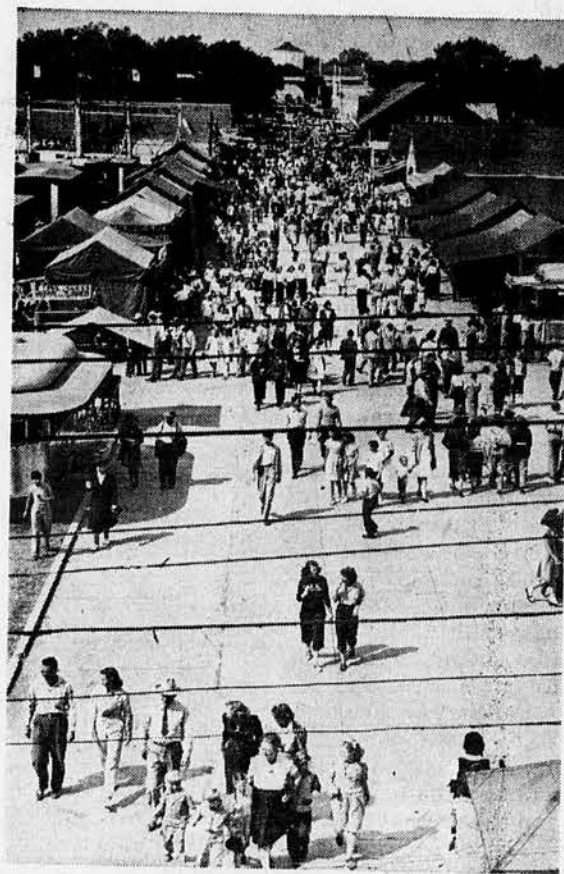
To give you some idea of what it takes to make up 50 acres of machinery displays, here

is something to use for comparison. Back in 1948, when the display was much smaller than in 1949, there still were 1,200 machinery exhibits with 100 manufacturers being represented. The show this year will be almost twice as large.

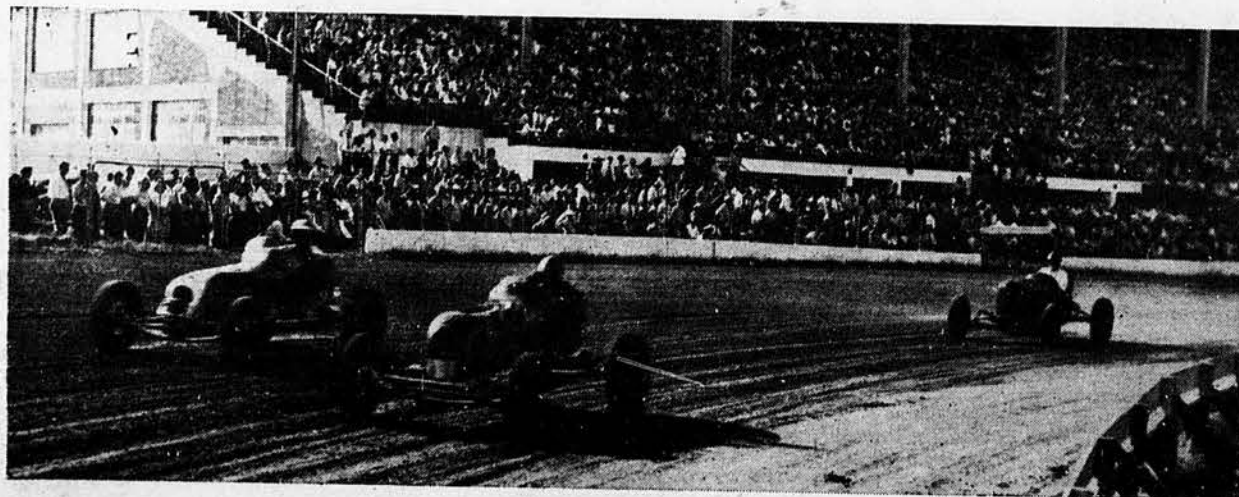
By August 1, this year, the fair had sold more space for industrial exhibits than the total for last year.

Several unusual exhibits will be shown this year, Mr. Miller reports. The Kaiser-Frazer Corporation is coming to the fair with a quarter-million-dollar display. "Henry Kaiser plans to attend personally to supervise showing of the exhibit," states Mr. Miller.

Two other special displays of keen interest to you will be those on [Continued on Page 16]



THE OLD FAMILIAR pike is being changed this year and will be larger than in former years.



CHAMPIONSHIP AUTO races will be held at the Kansas State Fair on Tuesday and Thursday afternoons. Stock-car races will be held on Monday and Wednesday afternoons.

Farm Matters

AS I SEE THEM

ANNOUNCEMENT last month by Secretary of Agriculture Charles F. Brannan that the support price for the 1951 wheat crop will be not less than \$1.99 amounts to more than just the 90 per cent of parity for this one crop.

I think it can be taken as a measure of what now is expected to be the policy for all basic commodities, and likely some others, especially those listed as "Steagall commodities" in the World War II era.

The announcement also stated that if parity is higher at the beginning of the 1951-52 marketing year, the \$1.99 support price will be upped to 90 per cent of parity.

The Secretary's announcement included this statement of general policy:

"In view of the world situation it is imperative that our supply of bread grains be maintained in strong position. Ample supplies will be a major factor in assuring reasonable food prices to consumers and our ability to meet our international food obligations. We believe the wheat production and price-support programs have been developed to protect the interests of both producers and consumers."

It should be noted that under the 1949 Agricultural Act (passed by the present—81st—Congress) the Secretary could have set the support price at anywhere between 80 and 90 per cent of parity. The national allotment for the 1951 crop is 72.8 million acres. With average yields this would produce an estimated crop of 1,150 million bushels, as compared with the estimated 996 million bushels for this year.

To farmers who comply with their acreage allotments the price support, thru loans and purchase agreements, will be available on the 1951 crop from time of harvest thru January 31, 1952. Loans will mature April 30, 1952, or earlier on demand, and producers who deliver wheat under a purchase agreement must notify their county committee within a 30-day period ending April 30, 1952. No farm storage payment will be made to the producer. Also, Commodity Credit Corporation will not assume any warehouse charges, except the receiving charges accruing prior to May 1, 1952.

"This change in the program from previous years has been made to place wheat on the same basis as other grains with respect to storage charges on loan commodities delivered to CCC," the Brannan press release states.

The new tax bill, which is scheduled to be passed this week or next, will increase income taxes about 20 per cent. It becomes effective October 1.

Farmers on a calendar year basis, as I understand it, will compute their year's income next January as usual, then divide by four. They will pay the new (higher) rate on one fourth, and the present rate on the other three fourths.

The 20 per cent increase will be effective on all 1951 income—plus very likely another in-

crease. In Washington official circles it is expected the 1952 fiscal year (starting next July 1) budget will call for federal expenditures around 75 billion dollars. The tax boost in this year's tax bill is expected to raise an additional 5 billion dollars. The increase in expenditures will be between 25 and 30 billion dollars. Means another tax boost next year—and more inflation.

Future Security

I HAVE just read a very encouraging report on our progress in soil saving. In it H. H. Bennett, chief of the Soil Conservation Service, states: "Few people, I believe, realize how much progress the country has made in soil conservation. I have been working with the land for the last 47 years. In this time more has been done for conservation and prudent use of soil and water resources than ever before in world history. Indeed, it has been within the last 17 years, when we embarked on a national program of soil conservation, that most of the progress has been recorded. Today I believe there is more reason for assurance about the future security of our productive land than ever before."

That indeed, is cheering word coming from such a distinguished and sincere authority as Mr. Bennett. In my opinion he is as well versed on the condition and needs of our soils as anyone in the entire country. Yet all he knows, and all the facts and figures of soil scientists, would mean nothing in accomplishment except for farmers taking a hand in the problem. And Mr. Bennett recognizes this fact. Said he: "All the conservation science in the world will not get one acre of privately-owned land in this country protected against erosion, drained of excess water, or used in accordance with its physical capability unless the landowner wants it done and knows why he wants it done."

Apparently farmers generally want the job done. I see evidence of it everywhere I go—terraces, contour farming, strip-cropping, more land going to grass. I hear a great deal more talk about grass than ever, it seems to me. Some folks tell me they can get as much feed, sometimes more, from their best land in grass than in grain crops. I know you have read many times in *Kansas Farmer*, statements by Kansas farmers which explained that the best land on their farms is none too good for grass.

Further approval of giving the land proper care has been seen for years. I remember farmers, county agents and Kansas State College authorities preaching the gospel of soil saving and proper crop rotations a long time ago. Kan-

sas farmers never have been backward about saving their soil or boosting crop yields by better methods. Farm organizations thruout the Nation have been talking soil saving as long. Now Mr. Bennett reports that today there are more than 2,200 soil-

conservation districts in every state in the Nation, including more than three fourths of all the farms and ranches in the country. How the job should be done is another matter. The point I wish to make is that farmers everywhere know the dangers of soil erosion and are as eager to stop them as they would be an enemy invader.

But we always haven't been quite as aware of the problem as we are at present. Mr. Bennett mentions a statement in a Department of Agriculture bulletin published as late as 1909. This statement reads: "The soil is the one indestructible, immutable asset that the Nation possesses. It is the one resource that cannot be exhausted; that cannot be used up." We all know better now. It can be so thoroughly drained of its fertility it will not even grow a crop of weeds. And it can be washed away.

You have read many a time, as I have, that Washington and Jefferson were among the first Americans to recognize the importance of replacing plant foods removed from the soil. Their old home places show evidence of this respect for the soil. And I am sure farmers from early days down thru the years have wondered and worried about the muddy water flowing down our streams. But Mr. Bennett reports it was about 1928 when interest really began to awaken in soil saving. In December of that year Congressman Buchanan called him to present testimony on the subject from a Nation-wide standpoint.

An appropriation was made and Mr. Bennett was put in charge of the soil erosion research work in the Bureau of Chemistry and Soils. Six erosion research stations were established with that appropriation and 4 others with funds made available later. Mr. Bennett reports these were the first stations of their kind in the history of the world, as far as he has been able to determine. Thousands of measurements of soil and water losses were made. These proved that "ideas about the enormity of the soil loss problem had to be revised upwards."

Apparently the trouble was caught in time. A good start has been made toward slowing down soil loss. Less soil is being lost now than 5 years ago. It's a case where less loss is a gain. By knowing what the problem is and the several ways to solve it, I feel we are on our road to success.

Arthur Capper

Topeka.

Expect Delay on Price Controls

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

OFFICIAL Washington does not expect any slapping on of controls on food and farm products, altho the President will have authority to act whenever he feels it necessary.

Exception is meat slaughter; probably be brought under controls early. Barring the "big war" military demand for meat is not large, in comparison with the huge civilian demand. Meat for military has to come from federally inspected plants; could cause civilian shortages in areas depending on such sources of supply. You can look forward to USDA licensing all packing houses; permits required to slaughter. Slaughter quotas also likely to be imposed. Set-aside orders in prospect as military buying is stepped up.

Retail food price controls not considered likely before next year; might

not come then. Congress is setting a high level as minimum for ceilings—parity price or a pre-Korean price, whichever is the higher. Most food prices were well below the minimum price control level. Prices of vegetables would have to increase a third, average. Fruits would have to go up around 25 per cent; orange prices have to triple. Dairy products, about 13 per cent. Butter is 11 per cent below ceiling; milk, 15 per cent below.

Wheat is running about 11 per cent below estimated ceiling minimum—government is holding large stocks which could prevent sharp rise at any

one time. Dry beans are 20 per cent below ceiling level; eggs would have to go up 50 per cent to bring price controls. In other words, price controls will not block further hikes in price of farm products. Food rationing does not look to be on what officials call the agenda.

Cotton and wool are not in the same category as foodstuffs. Cotton appears vulnerable to price rise that would call for ceilings. Ceilings on wool, on the other hand, would be hard to work. United States has to buy wool, and pay the world price.

The 90 per cent price support on 1951

wheat could be a precedent for price supports on other basic commodities. Under the Agricultural Act of 1949, Secretary Brannan could have set supports at 80 per cent. But since Korea the surpluses are regarded as reserves; the 90 per cent on wheat is an incentive to get a big 1951 crop.

Farm land prices are on the rise again. Another farm land boom seems likely. New peaks are expected to be reached.

Administration forces are not at all pleased with all the protective provisions for farmers written into the control bill which should reach the White House by the time this is read, or not later than next week. The Senate and House versions are in conference as this is written, with Administration

(Continued on Page 25)

on wheat this fall



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Uses chopped-off plowshares to . . .

Renovate Brome Grass



INVENTED BY HALE: These bob-tailed plowshares were thought up by Preston Hale, right, Shawnee county agent, to be used in renovating brome grass fields. They were tried on the farm of O. G. Nystrom, left.

CHOPPED-OFF plowshares provide an easy answer to economical renovation of brome grass. Designed by Preston Hale, Shawnee county agent, they were tested this year on the O. G. Nystrom farm, southeast of Topeka. The renovation field was examined during the annual Shawnee county farm tour.

After several years brome grass tends to become sodbound, which is another way of saying it is short of nitrogen. For seed production applications of 150 to 200 pounds of ammonium nitrate an acre have been extremely beneficial and economical, too. But the spread is not so wide when the grass is used strictly for forage.

Legumes seeded with brome tend to be crowded out of the picture in time. How to get them started again? That is what prompted renovation attempts in Shawnee county this year. As Mr. Hale pointed out, there is as much brome grass in Shawnee county as there is wheat. Getting legumes back into the stand without turning under all the brome would be desirable.

Heel-ends of 2 plowshares were cut off along a line parallel with the land-side of the shares. Using a 2-bottom plow in the experiment, an upright piece was welded to the back share to prevent turning the 4-inch strip between the plows. The whole plow was shoved over a few inches to the land-side to leave a 6-inch strip alongside the front share. This strip seemed to be wide enough to prevent turning. No upright piece was needed.

This plow was used on a patch of brome on the Nystrom farm that was at least 14 years old. After the field was harrowed down, an application of 100 pounds of 10-20-0 fertilizer was put on each acre and legume was seeded. Ten pounds of alfalfa an acre was seeded in one portion. The same rate of sweet clover was used in another test section.

The result is strips of brome run-

ning thru the field with alfalfa or sweet clover growing between the strips. Extension Agronomist L. E. Willoughby estimated about one fifth of the brome stand remained in the field. Alfalfa and sweet clover were coming along quite well, altho indications were that more starter fertilizer could have been used to benefit the new legume stands.

With only a fifth of the brome stand remaining the first year, a good mixture of legumes and grass is expected to be available next year.

Main difficulty in the test seemed to be in leaving a wide enough strip of brome. The 6-inch strip left by the front plow seemed to be better than the 4-inch strip left between the plows. There seem to be definite possibilities in this manner of brome renovation.

New Creep Feeder

If you are planning to build a beef cattle creep feeder, KSC has prepared a plan of a new creep feeder which you may wish to see. Heifers and mature cows raised as creep-fed calves will not break it down. This blueprint plan will be sent upon request to Bulletin Service, Kansas Farmer, Topeka. Price 15c.

Hogs Need Exercise?

Does it pay to confine hogs while fattening, or should they be allowed room to exercise? Experiments at Kansas State College show hogs confined in a small area consumed more feed and made more gains, but there was little difference in economy of gains between the 2 groups.

Hogs allowed exercise, however, had firmer carcasses and thinner back fat, reports R. B. Cathcart, of the animal husbandry department.



BROME REJUVENATED: Only strips of brome remain in the field at left where the grass was plowed with chopped-off plowshares. At right is the original stand of brome which is solid but showing nitrogen deficiencies. Legumes were seeded into the renovated portion.

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No. 15 Reviewing farming progress
and looking into the future

What Kansas Is Doing in the Hog Business

By C. E. AUBEL, Kansas State College

THE swine industry in Kansas has been subject to severe fluctuations the last half century. Around the turn of the century and a year or two before, Kansas had a very high standing in the number of hogs she raised as compared with other states. She stood in 8th place. But her record from there on has been spotted.

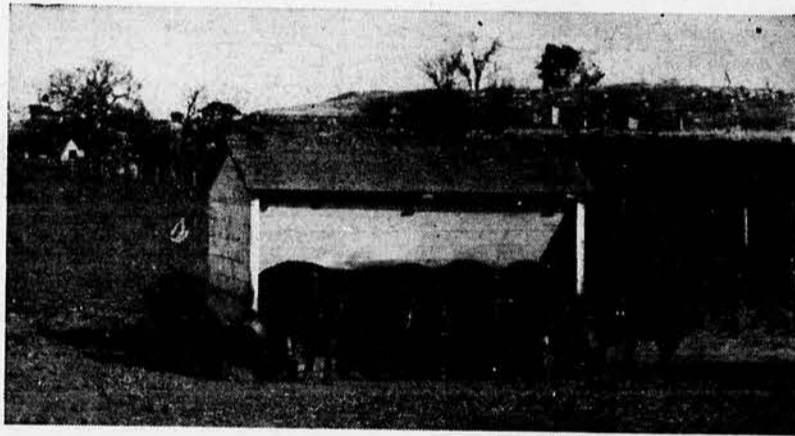
Let us look at these records. On March 1, 1948, there were on Kansas farms 2,766,071 hogs. That was the largest number of hogs reported for any year on Kansas farms before or since then. The 1899 number was 2,340,992 and in 1900 the number was 2,286,734; all large numbers.

Down Below 2 Million

From 1900 thru 1911 the number would average somewhat over 2 million head, but by March 1, 1917, the number was only 1,356,703, far below the annual average up to that time and less than in any year since 1882.

The annual average from 1925 to 1929 was 1,483,665. From 1930 to 1934 the average was 1,721,106. From 1943 to 1947 it was 1,743,000 but in 1947 it dropped to 1,148,000 and to 1,094,000 in 1948, to 1,182,000 in 1949, and on January 1, 1950, to 1,253,000.

This, indeed, shows a lot of fluctuation and the figures of late years bring Kansas down to a ranking of 15th or 16th with the other states in the nation.



SELF-FEEDING: Their use in hog production nearly paralleled our improvement in the knowledge of nutrition during the last half century. Self-feeders give speed and efficiency in production.

When Kansas ranked high in swine production, the reason given for it was her adaptability of soils, climate, and the crops she produced. Corn was extensively grown, that necessary grain for hog feeding. She, too, was a leading producer of that valuable protein pasture—alfalfa. With such excellent feed, climate, and in addition her nearness to excellent markets, it was no wonder Kansas ranked so well in hog production.

Yet, she has tumbled, and tumbled far, from 8th place to 15th and 16th, and she still produces corn and alfalfa and is just as close to Kansas City and other markets as ever. Yet why has she lost her favored place, so to speak?

Asked a Question

Looking back over some 35 years of contact with swine in this state, as I have watched her fading in the picture, I have often asked myself, why? Certainly Kansas has everything she ever had, unless it is the will and desire to raise more pigs.

Of course, economic conditions control some of these things. For instance, we raise more wheat, and we have been getting good wheat crops now for some years, and the years we have been getting these bumper crops are just the years we have been slipping in hog production.

More Money in Wheat?

It would seem then there is more money in raising wheat, and our farmers just don't want to be bothered with hogs. Of course, during some of these years, poor crops and high-priced feed helped reduce the number of hogs

raised. A study of corn prices and hog production will show that high-priced corn in one year will result in a decrease generally in the number of hogs raised the next year and vice versa.

Another Fact

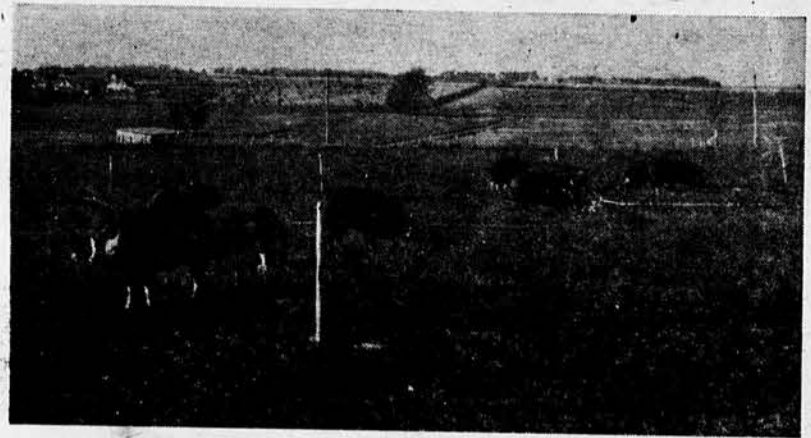
A smaller percentage of farmers are raising hogs now than before. Figures of the Kansas State Board of Agriculture show that 74 per cent of the farmers of Kansas were raising hogs in 1909, whereas in 1917 only 57 per cent were raising hogs, and in recent years the percentage has tumbled still lower.

Many Interesting Changes

So much for changes in number of hogs produced in the last half century. What changes have taken place in methods of production and management? Here are found many interesting facts, all of which have had the effect of increasing efficiency in raising pigs and consequently improving the income. In general these changes are improved sanitation, management and nutrition and all have had the effect of raising more pigs to a litter and of reducing the age of hogs at market time.

Tankage Made a Difference

In the field of nutrition the greatest and most far-reaching change occurred about the turn of the century,



ALFALFA PASTURE: This widely used legume has played an important role in swine nutrition. And permitting hogs to use the legume out in the field has been a factor in swine sanitation, too.

with introduction of tankage. Many experiments showed that use of tankage made grain more efficient, and speeded up gains. As a result, use of tankage soon caught on. Kansas being near a supply of this important protein, namely the packing houses, soon felt the impact of this feeding in her hog production. And, as in other parts of the country focused attention on a more extended use of other available protein supplies for hog raising, until now protein from other sources are mixed with tankage and each other, to supply a seemingly even more efficient protein.

Alfalfa Made a Place

In the field of nutrition, too, the value of alfalfa hay was brought out as well as alfalfa meal and dehydrated alfalfa. These have found a place in feeding and help cut costs and shorten the fattening period. Also, use of alfalfa pasture in production has increased, and its use is more generally recognized and understood.

Paralleling nutrition was a more extended use of self-feeders which also give speed and efficiency in production.

In general it can be said nutrition of pigs was appreciated and understood by more hog producers as the years progressed, and today hog producers are more and more seeking the latest information on feeding and nutrition.

Clean Ground Paid

In the sanitation field, use of the McLean county system, or clean-ground system, is quite generally accepted now, whereas at the turn of the century the need for it was not understood and consequently not practiced. With this came large roundworm control, increasingly better methods for it, and within the last few years an excellent accepted method, use of sodium fluoride. Lice and mange control have improved. One of the greatest boons to the hog man that ever has come about is use of benzene hexachloride to eradicate mange.



FEEDING PIGS out in the open is an old practice still commonly followed in many places today.



HOG WALLOWS constructed of concrete that double as feeding floors were used by many hog producers in the last 50 years.

Discovery of methods to prevent hog cholera came about in this half-century period. Without the efficient methods of vaccination in use today hog raising would be virtually impossible, whereas with its use, which is almost infallible, treatment can be considered as perfect insurance.

New Breeds Developed

New breeds have been developed and adopted which have helped change relative popularity of some old ones. In this connection may be mentioned the Hereford breed, the Minnesota No. 1 and No. 2, and others not yet extensively used. It is possible, too, that still more breeds will arise and may for a while influence popularity of some of our old standbys.

These new breeds also have focused attention on the method of crossbreeding, and many commercial producers now crossbreed for production.

Type Changes, Also

There have been type changes also in the last 50 years and indeed the type raised today is a far cry from those in the feed lot at the beginning of the century. Then they were large, up to 400 and 500 pounds, very fat, chubby, short, low-set. Hogs were grown large to give large cuts for our large families and for packing for labor construction camps, and to produce the important cooking fat, lard. Later the type was smaller, down to 300 and 350 pounds, still fat and chubby. Still later they were long-bodied, slim and leggy, to get out to graze and utilize the pasture, and the size was reduced to 250 pounds as the ideal hog with a minimum of fat. Now the trend is to produce market hogs at 180 to 200 pounds with still less fat, occasioned by a reduced demand for lard because of competition with vegetable oils and fats.

Now What's Ahead?

What of the future of Kansas hog production? First of all, if we have more diversification and stability in farming practices as most informed students believe we will, especially as the state becomes more mature, it seems likely this will mean more livestock. As a natural result of more livestock, surely there will be more hogs. Whether these hogs will be new breeds or a trend to hybrids, so-called, is open to argument. For myself, I believe that if changes are necessary the old-line breeds will breed them, when the type is once settled. They have changed type in the past, certainly by breeding and selection they can do it again, altho a flare of popularity for this hybrid and that hybrid and this new breed and that new breed will have its day.

The future should bring out more new things in the way of feeding as our knowledge and understanding of nutrition improves. We have come a long way, but it seems destined that we shall learn much yet.

It seems likely, too, that management practices will improve to the extent of giving us more efficiency in raising hogs. Especially in practices that have sanitation as the keynote. It would be difficult to over-emphasize the importance of sanitation practices in efficient hog production in the state.

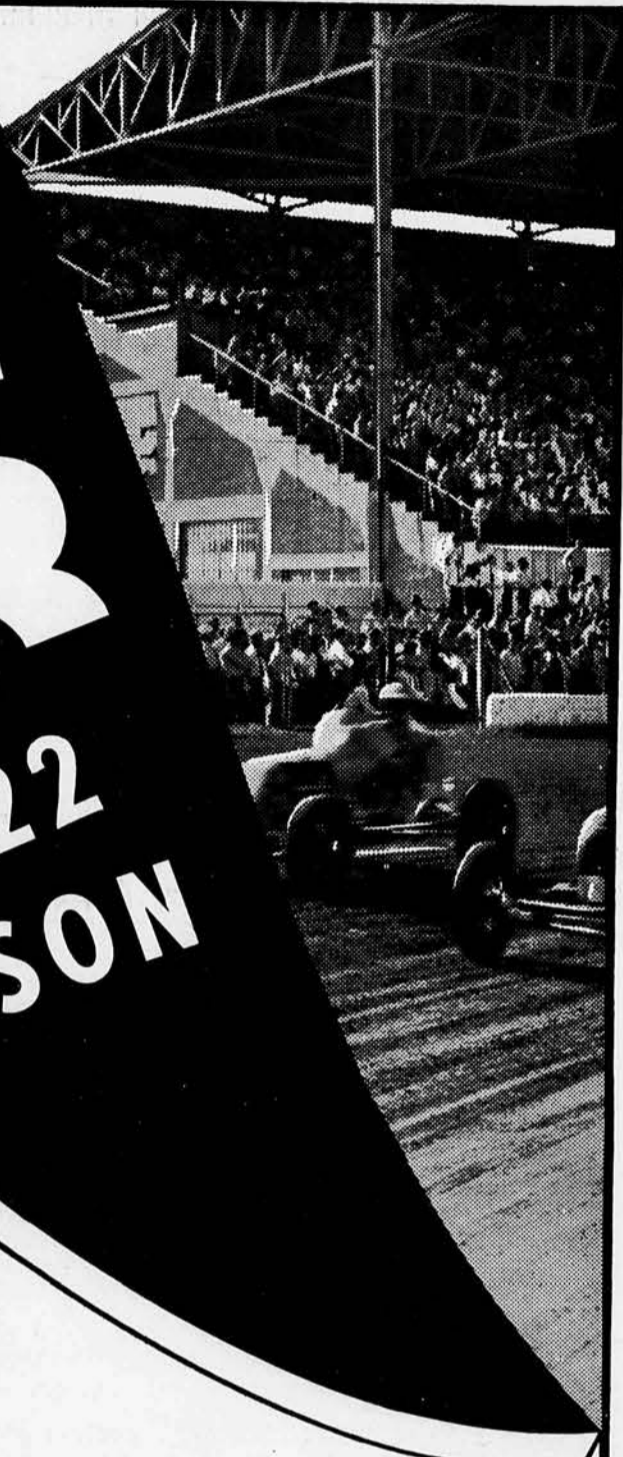
We should in the future learn much on the control of diseases. Much experimental effort now is on solving the high mortality of pigs, from farrowing to weaning, and studies are many indeed on brood-sow and little-pig nutrition with an effort to reduce the high mortality now prevailing.

All of this probably means that hog raising will become more technical. But it will bring about efficiency and efficiency will bring more profits.

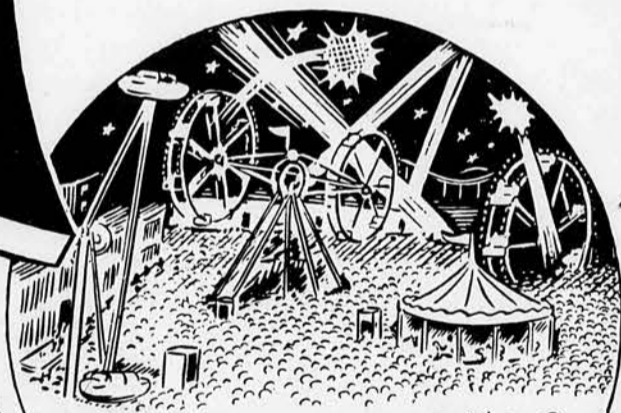
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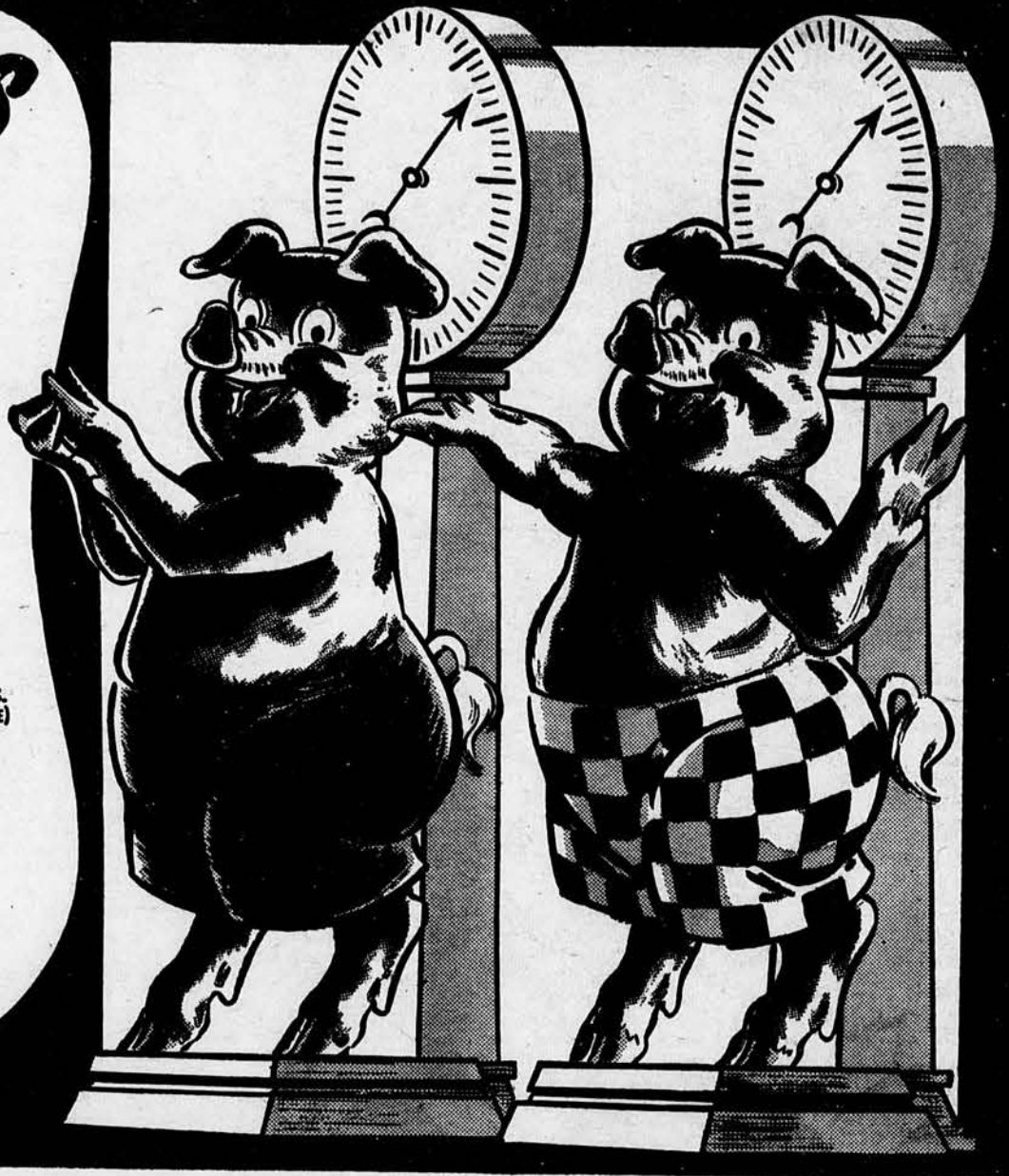
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HARVEYVILLE, Harveyville Grange Coop.
HAYS, Engel Electric Hatchery
HERINGTON, White Grain Co.
HIAWATHA, Wolf Feed & Grain Co.
HIGHLAND, The Derrick-Hischke Farm Supply
HILLSDALE, Hillside Elevator Co.
HOLTON, Farmers Union Coop. Ass'n
HOPE, The Farmers Coop. Elev. & Sup. Co.
HORTON, Zweimiller Feed Co.
HUGOTON, Security Elevator Co.
HUMBOLDT, Dale's Feed Store
HUTCHINSON, Berry's Hatchery & Feed Store
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HUTCHINSON, Salt City Hatchery
HUTCHINSON, Security Elevator Co.
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Expect half million
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Kansas Free Fair

WE'RE looking for half a million visitors to the Kansas Free Fair at Topeka, September 9-15," says Maurice W. Jencks, secretary-manager. "We had 463,000 last year and would have reached the half-million mark except for bad weather."

Folks attending the Free Fair this year will find some worthwhile improvements have been made during the year. A brand-new exhibit building of 22,000 square feet is the most imposing change since last year. This building will have automotive and some appliance exhibits. A balcony will house a big antique show, always a favorite show with visitors.

A new rest-room and utility building has been erected east of the 4-H Club baby-beef barn.

Parking space inside the grounds has been increased to 4,300 cars—500 more than last year.

Some new paving has been done on the grounds and new sewers have been installed.

"Judging from the request for premium books, we will have 15,000 entries in 22 divisions this year," says Mr. Jencks. There is an increase in out-of-state requests this year, which indicates Kansas exhibitors will have tougher competition in some of the shows. Cattle exhibitors are expected from as far away as Rhode Island to the east and Texas to the south. The Free Fair now has 147,000 square feet of space under roof devoted to livestock exhibits.

Farm-machinery displays will be larger and more numerous this year, Mr. Jencks reports. Home-appliance exhibits will be given 25,000 square feet of space—13,000 under the grandstand and 12,000 in the new home-appliance building.

Probably the largest horse show of the year in Kansas will be held at the Free Fair. The Kansas Saddle Horse Association is going all out this year to make the Free Fair show the best in its history.

Several hybrid-corn companies new to the Free Fair will be on hand with good exhibits this year, says Mr. Jencks.

Twenty-five high-school bands from a wide area will play for fair crowds. These bands will come from as far as Columbus to the southeast and Osborne to the west.

Requests for premium lists indicate that the Free Fair 4-H club livestock and exhibit departments will be as

large or perhaps larger than last year. All livestock-judging events—4-H and open classes—will be held as follows:

Monday: 8:00 a. m.—4-H beef cattle; 9:00, 4-H and Chester White swine; 10:00, 4-H dairy cattle; 1:00, Milking Shorthorns, Brown Swiss, Market Barrows; 1:30, 4-H sheep.

Tuesday: 8:30, Hampshire and Poland China swine; 9:00, Hereford, Ayrshire, Jersey cattle, American Saddle Horses, Hampshire Sheep; 1:00, Chester White and Spotted Poland China Swine, Southdown Sheep.

Wednesday: 8:00, 4-H livestock-judging contest; 8:30, Duroc and Berkshire Swine; 9:00, Shorthorns, Holsteins, Guernseys, Quarter Horses, Shropshires; 1:00, Hereford Swine, Suffolk Sheep.

Thursday: 8:00, livestock-judging contest; 9:00, Aberdeen-Angus.

Always one of the big entertainment shows of the year in Kansas, the Free Fair will continue to give you the best in attractions.

Stock-car races will head the afternoon attractions on Saturday, September 9, and Monday, September 11. A 100-mile race will be featured Saturday and sprint races on Monday. Championship big-car races will be held Sunday and Wednesday afternoons. Joie Chitwood Auto Daredevils will present their thrill show afternoons, Tuesday, Thursday and Friday.

Every night the big Free Fair Follies of 1950 will be presented in front of the grandstand. Some of the world's best vaudeville acts will be presented in addition to the usual fine music and dancing ensembles.

The big Royal American Shows will make their only appearance in Kansas at the Free Fair. They have many new shows and rides for your pleasure.

Featured on the Midway this year will be Bonnie Baker and her original cast of Hollywood, Broadway and radio headliners. This will be a musical show for the entire family to see.

"We've done everything possible to give our visitors a good fair this year," says Mr. Jencks. "We know that those who attend will get the big entertainment value of the year."

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- OSKALOOSA, Oskaloosa Feed Store
- OSWEGO, Karns Grain Products Co.
- OTTAWA, Ottawa Produce Co.
- OVERLAND PARK, Jennings Feed & Coal
- PAOLA, Washburn Hatchery
- PARSONS, Lloyd Feed & Farm Supply
- PEABODY, Peabody Coop. Equity Exchange
- PENALOSA, Kansas Milling Co.
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- PITTSBURG, The Potter Hatcheries
- PLEASANTON, Pleasanton Mill & Elev. Co.
- PRATT, Pratt Equity Exchange
- RICHMOND, Farmers Home Coop. Merc. Soc.
- SABETHA, Farmers Coop. Ass'n
- ST. MARYS, Farmers Union Coop. Business
- SALINA, McMinn & Tanner Feed & Prod.
- SEDAN, Sedan Seed House
- SEDFWICK, J. O. Coombs & Son
- SEDFWICK, Sedgwick Alfalfa Mills
- SPRING HILL, Zweifel Feed & Prod.
- STAFFORD, Stafford Hatchery
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- STOCKTON, Bouchey Grain Co.
- TOPEKA, Emery Shimer Feeds & Seeds
- TOPEKA, J. R. Shimer
- TRIBUNE, South Side Service
- TROY, Winzer Hdw. Co.
- TURON, Turon Hatchery
- VALLEY CENTER, Valley Center Farmers Elevator Co.
- VALLEY FALLS, Reichart Elevator Co.
- VIRGIL, Virgil Feed & Coal
- WAKEENEY, The Wheatland Elev.
- WATERVILLE, Wagar Produce Co.
- WATHENA, Wathena Hatchery
- WATHENA, Wm. Weber
- WAYNE, J. R. Baxter Produce
- WELLINGTON, C. E. Newell Feed Store
- WELLSVILLE, Averill Produce
- WHITE CITY, White City Grain Co.
- WHITEWATER, Whitewater Hatchery
- WICHITA, C. Ball Feed Co.
- WICHITA, Berry's Hatchery & Feed Store
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- WILLIAMSBURG, Williamsburg Produce
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- YATES CENTER, Yates Center Elev. Co.
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The New Illustrated Purina HOG PROGRAM BOOK, with up-to-the-minute information on Purina's New Hog Program and New, Improved Hog Chows, is now ready for you. Fill in coupon below, and mail to RALSTON PURINA CO., 2501 Checkerboard Square, St. Louis 2, Mo.



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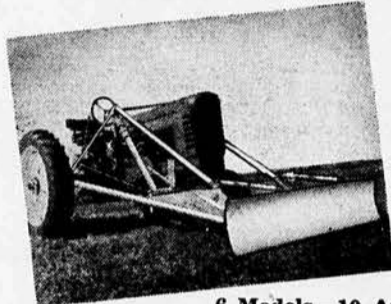
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HALF A MILLION people are expected to visit the Kansas Free Fair, Topeka, September 9-15. This view of the grounds is just outside the agricultural-display building.

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HELP!
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**HORN-DRAULIC
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6 Models—10 Attachments for over 100 different tractors. Easily installed and operated—A year around farm implement. Save Time, Labor and Money.

**FOR STALKS & VINES
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16 Swinging hammers give Blanket Coverage. Aids Pest Control and permits cleaner plowing. Low in Price. Nothing to Clog!

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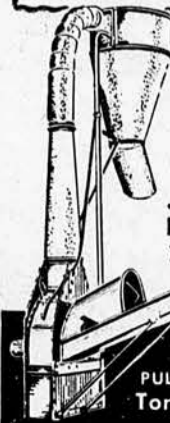


**WETMORE
KNIFE-TYPE HAMMER MILL**

In Operation at
KANSAS FREE FAIR
Topeka — September 9-15
S. W. Corner of Agriculture Bldg.
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Just South of 4-H Livestock Bldg.

- ★ Grinds Grain
- ★ Chops and Grinds Hay and Roughage
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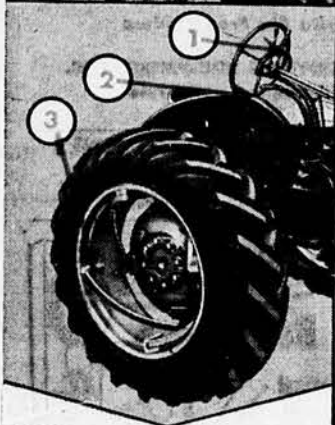
... The All-Purpose Feed Mill with Over 19-Year Reputation



WETMORE
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FOR SORGHUM HARVESTING



1 HYDRAULIC HEADER LIFT CONTROL

is at the steering wheel of the Allis-Chalmers WD Tractor. Header lift is available as optional equipment; can be operated by tractors equipped with hydraulic pump.

2 TWO-CLUTCH POWER SYSTEM

of WD Tractor provides hand clutch for stopping tractor without interrupting power flow to harvester.

3 POWER-ADJUSTED WHEEL TREAD

feature of WD Tractor employs engine power to space wheels for sorghum rows.

Developing dwarf sorghums of uniform height for combining was a remarkable plant breeding achievement. Now comes a new "lift" for sorghum harvesting — the ALL-CROP Harvester with Hydraulic Header, at a fraction of the price of big combines.

There's no more straining to reach behind you for a hand lift lever. Now you just touch the hydraulic control at the tractor steering wheel to vary the height of cut. You can do an expert job of skimming over leaves to clip the heads cleanly.

Selecting the right cylinder speed is as easy as tuning a radio. The full-width, 60-inch cylinder and rubber contacts shell the grain from the heads without destructive battering. Crackage is reduced to a minimum... assuring a higher grade and a better price.

The ALL-CROP is easy to run... easy to keep running in heavy crops... and its light weight makes it easy to pull in sandy land. Any full two-plow tractor can handle it.

These are a few of the features that have made the ALL-CROP Harvester a known and trusted machine wherever maize is grown. See your A-C dealer and arrange to have your own low-cost ALL-CROP this year, ready to cut at exactly the right time.

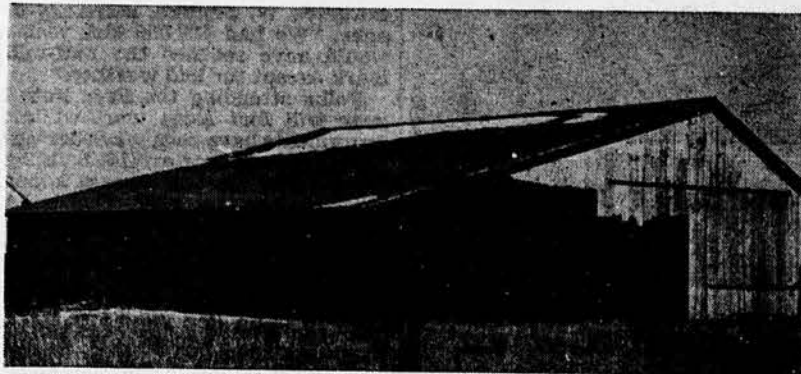
ALL-CROP Harvester

ALLIS-CHALMERS
TRACTOR DIVISION • MILWAUKEE 1, U. S. A.

Low construction costs and flexible interiors in . . .

Pole-Type Barns

By ED RUPP



ROOMY INTERIOR: That is one feature of the pole-type barn built by A. R. Badger, Osage county. Complete interior can be rearranged in a few minutes to meet changing livestock needs. This barn is 52 by 52 feet in size, cost \$1,800. Plans called for an open front, but Mr. Badger had to install sliding doors to obtain wind insurance.

WHAT type of barn would you build today, if you had it to do over?

How much would you expect to pay for each square foot of floor space in that barn? Both questions deserve consideration. But look at the first one. It's a fact farm buildings go out of style. The old 12- and 14-foot laying houses have been outmoded. So have many farm homes. And modern machinery is antiquating the old horse barn.

The high-ridge barn and the stately hip-roofed structures once were proud landmarks of a successful farm. But with today's farming methods there seems to be little use for haylofts. Except for barn dances and most of those are just on the radio.

Agricultural specialists have been thinking along these lines. Maybe we have been putting too much money into some farm buildings. Building them without consideration for possible future changes in farming methods and programs.

A. R. Badger, Osage county, had these things in mind recently when he built a new barn. He is building a completely new farmstead on a 160-acre tract which he purchased. Mr. Badger decided on a pole-type barn, 52 by 52 feet in size. It was built from plans made available by Doane Agricultural Service, St. Louis.

This barn is designed for hay storage, bales of course. At the same time part of it can be used as loafing and feeding area for a dairy. Also, it could be used to advantage with beef, sheep or hogs or a combination of livestock programs should occasion demand.

Access to the tallest or north side of the building can be gained from 3 sides. A large door, 13 feet wide and 12½ feet high, is located on the north side. Then 2 more doors of the same size are located on both east and west sides. This north-side area is available for machinery storage. Or, it can be used for calf pens, lambing pens or what have you.

Original plans on this barn called for an open front. Stock is better off protected rather than enclosed. But Mr. Badger reports he had some difficulty getting insurance against wind with the open front, so he enclosed it. Two large sliding doors provide access to the south side.

Somewhat similar in construction is a barn built last year on the farm owned by Dr. A. B. McConnell, Coffey county. Orville Clapp operates the McConnell

farm. Space for hay storage was what Doctor McConnell had in mind. His intention was to build a 20- by 40-foot metal-covered shed just to protect hay. That would have been pole-type construction, too. But he found he could build a complete open-type barn for just a little more. Final result was a 40- by 48-foot barn with an open front to the south.

Like the Badger barn, trucks loaded with baled hay can be driven right into the barn and unloaded. There is machinery room or calf-pen room on the north side of this barn. And the south end is reserved for feeding and shelter for cattle.

The Badger barn is covered with metal roof. Sides are up-and-down boards. The McConnell barn is completely covered, top and sides, with aluminum sheets.

Now about the cost. At present prices a good barn should not cost more than \$1.50 a square foot for floor space. That limitation was suggested by Leo T. Wendling, Extension engineer. Both these barns were built for considerably less money.

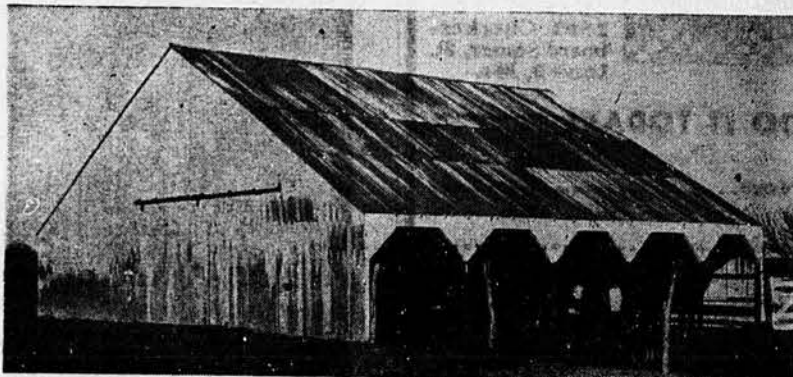
The Badger barn has 2,704 square feet of floor space. Total cost was \$1,800 or just a little over 66½ cents for each square foot of floor space. The McConnell barn covers 1,920 square feet of floor space. Along with some gates and fencing made necessary with the new barn, total cost was \$1,275. Barn alone was about \$1,250 or a little more than 65 cents a square foot of floor space.

Supports for these barns are poles. They are pressure treated with creosote so they will not rot out for years. That is where the barns get their names, pole-type barns. Quite a number of these poles reach up to the roofs from the interior of the barns. These poles can serve as anchors for gates to divide the interiors of the barns according to livestock needs.

Complete interior of these barns can be rearranged to meet demands of the moment. They are low in construction cost and provide adequate shelter for most any livestock program.

Safety Practice

To prevent steel wedges from bouncing out of green logs or cordwood, I score the flat edges with a cold chisel, like scales on a fish, about ½ inch apart. They do not have to be scored very deep.—A. B. C.



LOW COST: An outstanding feature of the pole-type barn is low construction outlay. This pole-type barn was built on the Dr. A. B. McConnell farm, in Coffey county. It is 40 by 48 feet in size, cost \$1,250. Interior of this barn is flexible, too.

New Partner

"MY SON, this land I leave to you to hold and cherish; manage it well so that your sons, and your sons' sons, may be proud to own it in their turn."

Those might well be words for all men who love the land they live on. For deep in their hearts they want to keep their land in their family—want to leave every acre to oncoming generations in better condition than when they received it.

Country people of today have become more dependent on the city; for many everyday commodities, for their fun and recreation, for much of what is *thought* to be a better standard of living. The city's seemingly "greener pastures" lure many a country-bred youngster.

There is, however, one great inducement for a young man to stay with the land. It comes from parents who are willing to share with their children the management of the land; to share the *rewards* as well as the *responsibilities*.

Then father and son become *real partners*—in their business, in their way of life, in their aspirations. The ties of family hold firm. Side by side their roots run deep into this rich American land. Each "partner" is rewarded fairly for what he puts into the family enterprise. Each gets a fair return for the labor, capital and ability which he contributes . . . And he of the younger generation sees ahead a clear, straight road, and a secure future.

Our interest at Swift & Company in this and other matters of importance to farm and ranch youth, is natural. Our business life is closely linked with the land . . . and with the young folks who will take over the management of land and livestock in the years to come.



Hello Again!

Well, summer is drawing to a close. The harvest and heavy livestock marketing seasons are approaching. And here we are again visiting with you folks who produce the nation's food.

As usual, during the summer I traveled around a good deal and talked with many ranchers and farmers. I always enjoy that. For, after all, you folks who produce livestock and we who process and distribute the meat have practically the same interests. We are both members of the Meat Team.

I am always pleased when I receive letters reflecting this team spirit. Recently I received one from a man in Iowa who puts this feeling into mighty clear words. I think you, too, will enjoy reading it.

Dear Mr. Simpson:

For many months we have read with interest and looked forward to your very fine agricultural ads. We have spent our entire life raising livestock and trying to help stock men produce meat more economically, and you people are to be commended on the very fine job you are doing in pointing out the over-all problems of the stock men. Further than that, there are millions of people in this country whose daily lives revolve around meat and meat products, who never stop to think of all the things that take place from the time raw feed material is grown until the finished meat product is set on the dining table.

Swift & Company has played a very important part in the progress of American agriculture and the diet of the American people and we know that you will continue to make worth-while contributions. We are looking forward to meeting you some time personally because we always like to rub shoulders with people that dedicate their lives to the things that are worth while.

That letter warmed my heart. It's the kind of expression that makes us all proud to be part of this great livestock-meat industry that serves our country so well.

F.M. Simpson.

Agricultural Research Department

To Market . . .

Green grow the pastures, the cornstalks grow tall; Sleek hogs and fat cattle come to market each fall.

Brown eggs for Boston, white eggs for New York, Dressed poultry and butter, choice beef, lamb and pork.

Whatever you market, Swift's always your friend, Competing to purchase the products you send.

Soda Bill Sez:



More thoughtful whittlers and fewer thoughtless chisellers would be a big help to America.

A man in too big a hurry is liable to pass up more than he ever catches up with.

Feeding Cattle for Profit

by Paul Gerlaugh
Ohio Agricultural Experiment Station, Wooster, Ohio



Paul Gerlaugh

In October the market price difference between choice and common slaughter steers is twice as wide as in May. This is due to fluctuating cattle supply, not changing meat demand. The feeder who buys medium or common steers in the fall to feed for the spring market makes no mistake. The man who produces common feeder steers does make a mistake . . . Last fall choice feeders cost us \$43.00 per head more than common steers (when both weighed about 650 pounds). Quality pays the *producer* well. Lack of quality in feeder cattle, due to lower cost per cwt., invariably rewards the *feeder* who purchases in the fall, when pastures are emptied, and gives his cattle a five- or six-month feeding period. Choice feeder cattle should be given a choice finish and timed for the summer or fall market. They sell well then.

In an eight-year test, home-grown steers, all of one breed (800 to 900 pounds), dressed 60.3% and yielded carcasses grading 76% choice. Similarly cared for steers of another breed dressed 59.6% and yielded 59% choice carcasses. However, the lower dressing and grading steers saved 115 pounds of corn and cob meal in making a hundred pounds of feed lot gain. At present prices the saving in feed costs was greater than the reward for higher dressing percentage and carcass grade.

Market topping ability of feed lot cattle is not a safe guide to profitable beef cattle operations. "Pretty is as pretty does" is a much safer beef cattle philosophy to follow in seeking profitable operations.

Swift & Company

UNION STOCK YARDS, CHICAGO 9, ILLINOIS

Nutrition is our business—and yours

FREE MOVIE FOR YOUR USE!

now in color

"A NATION'S MEAT"

Interesting—Informative—Entertaining

Just re-photographed in beautiful natural color

Swift's newest film tells the story of meat from the western range to the kitchen range. Now available to ranch and farm organizations, F. F. A. and 4-H Clubs, and other groups. 16mm. sound film—runs 27 minutes. All you pay is transportation costs one way. Write Swift & Co., Agricultural Research Dept., Chicago 9, Ill.

Martha Logan's Recipe for

FRANK AND CORN CASSEROLE

(Yield: 4 or 5 servings)

1 pound franks ¼ pound aged cheddar cheese.
1 can No. 2 cream style corn cut in strips ¼ x 5 inches

Place corn in buttered baking dish. Slit franks lengthwise almost through. Place strips of cheese in slit in frank. Press franks into corn so that they are level with surface of corn. Bake in a moderate oven (350° F.) for 30 minutes.

OUR CITY COUSIN

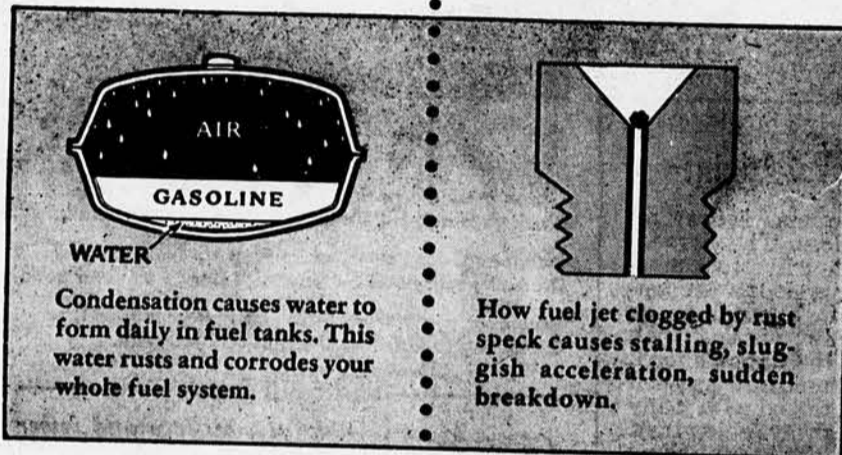
Vacation's over!
Back to town
Goes City Cousin
in September . . .
Husky, healthy,
tough and brown
From country days
he'll long remember.



SENSATIONAL NEW

Anti-Rust FARM FUELS

prevent rust and corrosion
that clog fuel lines, pumps,
jets and damage fuel tanks



RD-119—the miracle anti-rust chemical now blended into all Sinclair fuels—stops rust and corrosion by coating your tank and whole fuel system with an invisible water-proof film.

So get top performance plus anti-rust protection—at no extra cost. Phone or write your local Sinclair representative today.

SINCLAIR

New Anti-Rust

GASOLINES • TRACTOR FUELS • HEATING OIL • KEROSENE

NEW Sinclair Stock Spray!

Western Land Roller PUMPS FOR IRRIGATION

AVAILABLE WITH Direct Connected Electric Motor, Flat or V-Belt Drive or Right-Angle Gear Drive

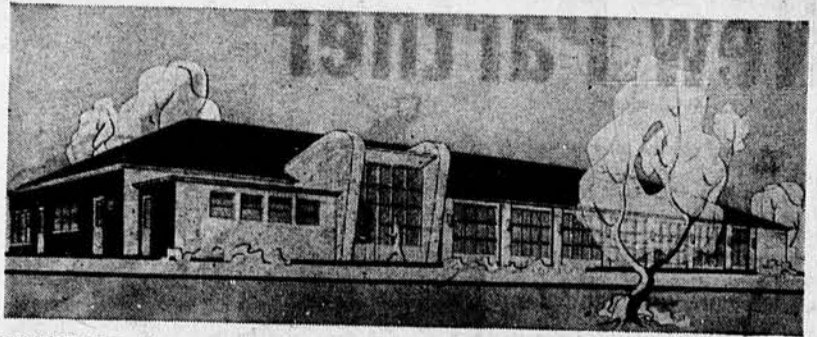
WESTERN LAND ROLLER TURBINE PUMPS

WRITE FOR INFORMATION

MANUFACTURED BY
Western Land Roller Co.
HASTINGS, NEBRASKA

ANY CAPACITY 300 TO 2500 GALLONS PER MINUTE, AND ANY LIFT FROM 10 TO 300 FEET

State Fair (Continued from Page 6)



VISITORS TO the Kansas State Fair, Hutchinson, September 17-22, will see for the first time this new \$115,000 administration building. It is 50 by 200 feet and will house all executive offices.

flood control by the U. S. Corps of Army Engineers, and on the reclamation projects by the U. S. Bureau of Reclamation.

Not to be outdone, the Navy is bringing in a 24-foot-long scale model of an aircraft carrier. This model will be complete in every detail.

Several important improvements are being made to State Fair grounds this year. The new 50- by 200-foot administration building, being built at a cost of \$115,000, will be nearly completed by fair time. When it is completed, all executive offices now scattered about the grounds, will be concentrated in one building.

You won't recognize the old "Pike" that extends from agricultural hall to the grandstand. A thick blacktop mat has been applied over the concrete so walking will be easier. And most of the former stands will be gone except for eating places. The Midway this year, instead of being concentrated on the Pike, will be spread out in a U-shape closely tied in with the area taken up by the rides.

All car and truck traffic has been eliminated on the road running in front of the 4-H Club encampment building. "We felt this traffic endangered the lives of our young people," says Mr. Miller. A new road from 25th street has been built to bring traffic into the grounds. One parking lot is being equipped with marked curbs for easier parking. If this is successful other lots probably will be equipped with curbs later.

More rest-room facilities have been added on the fair grounds. New rest rooms have been built in the parking lots just northwest of the 4-H Club encampment building. There also are additional rest-room facilities now back of the fire station, just east of the 4-H Club exhibit building.

Those of you who have had to drag too-small children over the fair grounds will be glad to know that fair officials have thought about your problem, too. They have put in a fenced playground area for small children near the 20th and Main entrance to the grounds. Paid attendants will be in charge to look after your small children, and you can enjoy an hour or so of complete freedom from worry.

Kansas State Fair has become almost completely a "Kansas Show" so far as livestock is concerned. Out of 69 dairy-cattle exhibitors last year 68 were Kansans. Ninety-four of the 96 beef exhibitors were from Kansas; 36 of the 37 swine exhibitors and 19 of the 25 sheep exhibitors.

Some idea of the size of last year's livestock show also is shown by the records. There were 811 cattle in open and 569 in 4-H classes. More are expected this year. There were 627 hogs in the open and 22 in 4-H exhibits last year. There were 242 sheep in the open and 87 in the 4-H.

Altho most livestock exhibitors this year will again be from Kansas, judges will come from 9 states. Tennessee, Illinois and New York will provide dairy judges; Missouri, Oklahoma, Nebraska and Kansas beef judges; Texas the horse judge; Oklahoma the sheep judge, and Oklahoma and Kansas the swine judges. Poultry judge will be from New Mexico.

Flying Farmers will be recognized at the State Fair again this year. Tuesday, September 19, will be Flying Farmer Day. The Hutchinson Chamber of Commerce is entertaining the group at a noon luncheon at the Wiley Tearoom. CAA personnel will be in charge of the 2,200-foot runway on the fair grounds. More than 300 Flying Farmers attended the air-strip dedication during the fair last year.

Master Farmers and Master Farm Homemakers will be honored on Wednesday, September 20. They will hold a business meeting at the 4-H Club encampment building at 11 o'clock in the morning. There they will be given tickets to the afternoon show by the Fair Association. That evening they will be guests of the Hutchinson Chamber of Commerce for dinner at the Wiley Tearoom, and of the Fair Association for the big evening show.

More than 5,000 4-H Club members and 1,300 FFA members will take part in team competitions and demonstrations at the State Fair this year.

There were more than 3,000 4-H Club exhibits from 105 counties last year. Among these were 1,500 clothing entries. Only blue-ribbon winners at county fairs are accepted.

(Continued on Page 17)



SHEEP-SHEARING contests for both junior and adult entries will be held at the State Fair on Thursday.

The 4-H Club encampment will again be in session with capacity of more than 800 boys and girls. FFA boys will again have their "tent city" in full operation.

One-hundred high-school bands will take part in fair music this year. There were 91 bands last year, with 4,698 young musicians from 39 counties taking part.

Kansas Farmer again will sponsor a dairyman's judging contest in connection with the State Fair dairy show. This judging contest, featuring winners in the various breed spring shows, has become one of the most popular events in the livestock department.

The annual sheep-shearing contest for both junior and adult shearers will be held on Thursday, September 21. Preliminaries will start at 9 a. m., with the finals to be held at 3 p. m.

So, right down the line, everything this year will be on a bigger scale than last. With so much to see and do, better plan to spend more than one day in Hutchinson.

Kansas State Fair Program Highlights

Sunday, Sept. 17—Opening Day

8:00 a. m.—Exhibit buildings open.
2:00 p. m.—Stock-car races.
8:00 p. m.—State Fair Revue of 1950.

Monday, Sept. 18—School Day—Press Day

8:00 a. m.—Judging in all departments.
2:00 p. m.—Jole Chitwood's Auto Dare-devils.
8:00 p. m.—State Fair Revue.

Tuesday, Sept. 19—Livestock Exhibitors—Flying Farmers Day

8:00 a. m.—Judging in livestock departments.
1:30 p. m.—Championship auto races and low-altitude parachute jump.
8:00 p. m.—State Fair Revue.

Wednesday, Sept. 20—Master Farmers, Homemakers Day

8:00 a. m.—Livestock judging continued.
2:00 p. m.—Stock-car races.
8:00 p. m.—State Fair Revue.

Thursday, Sept. 21—Governor's Day

8:00 a. m.—Exhibit buildings open.
10:00 a. m.—Livestock Hall of Champions opens.
1:30 p. m.—Champion auto races and parachute jump.
8:00 p. m.—State Fair Revue.

Friday, Sept. 22—All-Kansas Day

8:00 a. m.—All exhibits open.
2:00 p. m.—Jole Chitwood's Auto Dare-devils.
8:00 p. m.—State Fair Revue.

What's Your Guess?

How much corn will it make? That is what Eichorn brothers, Russell and Fred, of Labette county, are wondering about a fertility test in their field. A 0.6-acre test was given the works this year. Total available plant food applied is a formula that looks like this 171-195-160.

Plowed down 8 inches or so were 200 pounds of 0-46-0, 200 pounds of ammonium nitrate and 160 pounds of muriate of potash. Just before seeding, more phosphate was spread over the whole field at the rate of 100 pounds of 0-45-0 an acre. Then July 1 the test plot was side-dressed at the rate of 200 pounds of ammonium nitrate an acre.

Mid-July Fred Eichorn said the heavily fertilized plot looked greener and better than the remainder of the field.

Plan for Young Folks

Now we have a booklet which explains life insurance plans. Written primarily for young people starting out in life, we heartily recommend it for young farm families. It explains the different types of life insurance, amount and kind needed for your special situation and way of life, insurance for education of children, mortgage insurance, income for retirement, what an endowment policy is and how to choose a company.

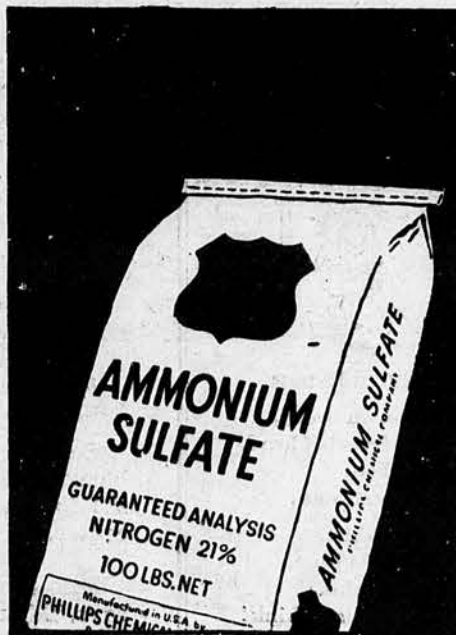
This booklet is easily read, is illustrated so the most inexperienced can understand it perfectly. You may get a copy free by writing the Farm Service Editor, Kansas Farmer, Topeka. Ask for the booklet, "A Date With Your Future."

USE IT NOW ON PASTURES TO GET MORE MILK . . . MORE BEEF PER ACRE!

NITROGEN 33.5%
PRILLED FOR EASY APPLICATION



Phillips 66 Ammonium Nitrate can step-up pasture yields . . . lengthen your grazing season!



Guaranteed to contain not less than 21% nitrogen, Phillips 66 Ammonium Sulfate is another great new product to help increase your pasture yields.

● It's been proved over and over again . . . pastures that are properly fertilized will produce extra pounds of milk or beef per acre. What's more, if you top-dress with Phillips 66 Ammonium Nitrate this fall, your pastures will be ready for grazing earlier in the spring.

Phillips 66 Ammonium Nitrate delivers a guaranteed nitrogen content of 33.5% and it's prilled (formed into uniform, tiny pellets) to insure easy application.

Act now, and increase the profits from your dairy or beef cattle. You can get Phillips 66 Prilled Ammonium Nitrate from your regular supplier.

PHILLIPS CHEMICAL COMPANY
A Subsidiary of Phillips Petroleum Company
FERTILIZER SALES DIVISION

Bartlesville, Oklahoma

At Last! Flaky Tender Pie Crust Every Time...with Betty Crocker's Easy NEW STIR-N-ROLL PASTRY RECIPE

Once you try this exciting new pastry recipe, you can forget all other methods forever!

No tricky steps! You just stir all 4 ingredients together and roll out between waxed paper. That's all you do!

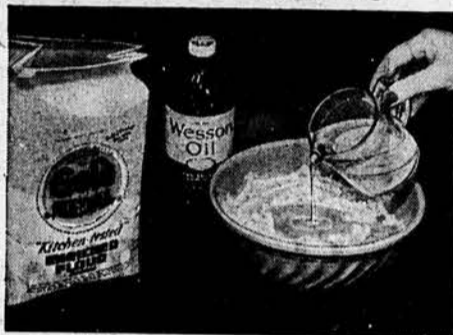
Guaranteed* better than pastry made any other way! "Just 5 minutes to make," says one of the scores of homemakers testing this recipe... "much easier than other methods!"

Expert or beginner, you can make flaky, tender pastry... every single time! Pastry that stays crisp and fresh for days!

Start with your flour! The Betty Crocker Staff of General Mills developed this exciting new recipe to make full use of the superior, uniform baking qualities of Gold Medal "Kitchen-tested" Enriched Flour. Betty Crocker cannot promise perfect results if you use any other flour. Gold Medal's superb baking qualities help assure perfect STIR-N-ROLL pastry every time!

*Full cost of ingredients refunded if pastry made with Betty Crocker's new STIR-N-ROLL recipe, Gold Medal Flour and Wesson Oil is not superior to pastry made with any other recipe. Simply itemize cost of ingredients used and send with your letter to General Mills, Dept. 237, 623 Marquette Ave., Minneapolis 2, Minn.

NO cutting in shortening!



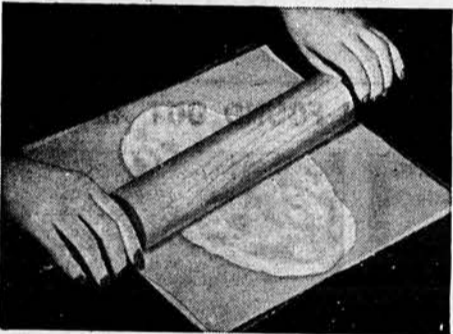
1 Revolutionary Recipe! No guessing at liquid! 4 simple ingredients: Gold Medal Flour, salt, cold milk and Wesson Oil—all in one bowl. That's all you need!

NO risk of overhandling!



2 Nothing easier! Just stir lightly. Dough looks moist, but isn't sticky. Pick up dough and round into ball. Divide pastry. Flatten each half slightly.

NO messy floured board!



3 Amazing! Roll out between waxed paper. Place one half between two sheets of waxed paper (11-in. square). Roll out gently until circle reaches edges of paper. Peel off top paper only.

NO difficulty in sealing!



4 Pan-ready! Hold paper over pan. Dough clings until you gently loosen into pan. Shape. Trim to rim. Add filling and top crust. Seal with fork. Mends easily without moistening.



Betty Crocker's STIR-N-ROLL PASTRY RECIPE (DOUBLE CRUST)

Preheat oven to 425°.
 1. Mix together... 2 cups sifted Gold Medal Flour
 **1½ tsp. salt
 Add all at once... ½ cup Wesson Oil
 and..... ¼ cup cold whole milk

2. Then stir lightly until mixed. Round up dough... divide in halves. Flatten each half slightly.

3. Place one half between 2 sheets of waxed paper (11-in. square). Roll out gently until circle reaches edges of paper. If bottom paper begins to wrinkle, turn, roll on other side. Peel off top paper. If dough cracks or breaks, mend by pressing edges together... or by pressing a scrap lightly over tear.

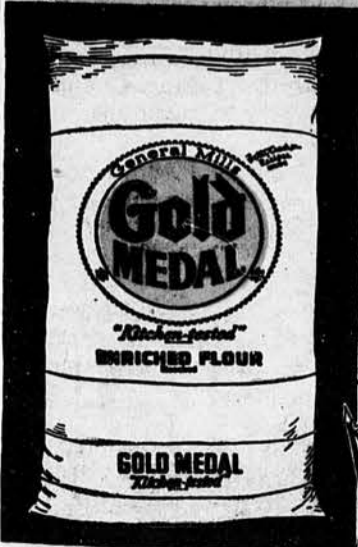
4. Lift paper and pastry by top corners; they will cling together. Place (paper side up) in 8 or 9-in. pie pan. Carefully peel off paper. Gently ease and fit pastry into pan. Trim even with rim.

Top Crust: Roll as above and place over apple filling. Trim to rim. Seal by pressing gently with fork or by fluting edge. Snip 3 or 4 small slits near center. Bake about 40 minutes until golden brown in hot oven (425°).

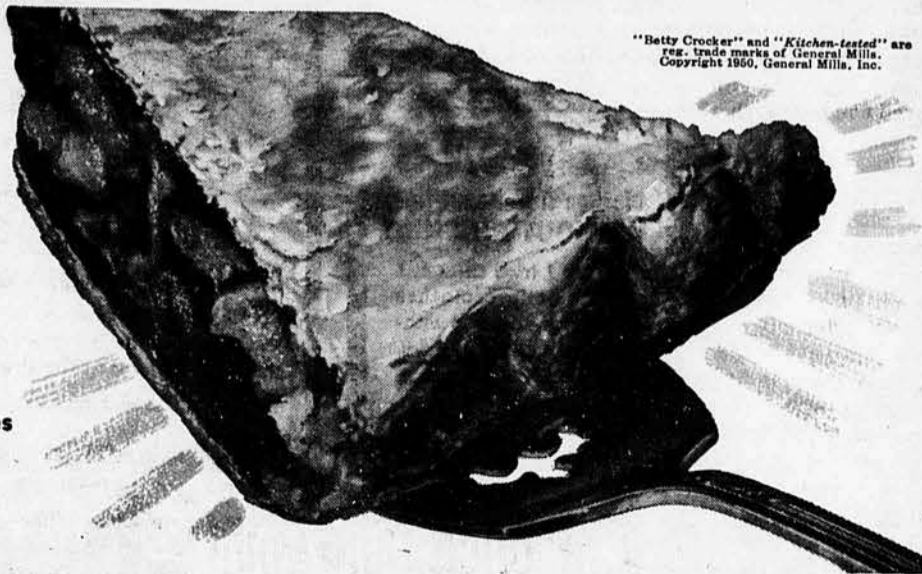
IMPORTANT! For 1-crust pie shell make half recipe. Place rolled dough in pie pan. Prick thoroughly with fork. Bake 8 to 10 minutes in very hot oven (475°).

**If you use Gold Medal Self-Rising Flour (sold in parts of the South) omit salt and reduce baking temperature 60°. Bake double-crust pies about 50 minutes.

And remember... Gold Medal Makes Wonderful Bread!



Gold Medal Flour comes in big, thrifty, family-size sacks of 25, 50 and 100 lbs.



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Kansas Libraries



FROM Pecan Valley farm near Coffeyville, Mrs. Clifford Burton, a Master Farm Homemaker of the class of 1942, writes us about the library situation among farm people in Montgomery county. She's for "Better Rural School Libraries at Any Price."

Dear Editor: Montgomery county has a traveling library of sorts. Our home demonstration units took part in the program several years but found only 3 or 4 members were checking out books. Coffeyville has an excellent library and allows nonresidents to buy a library card for \$1 a year. Our high-school children have library cards, too. We felt it was more important to encourage use of the Coffeyville library than to continue participation in the traveling library. We did, however, pay for a membership because we felt those who had use for a traveling library and would use it, should have it.

Personally, I would like to see the libraries of our rural schools built up so the children can learn the joy of reading. Once acquired, a big step in their education has been reached. There are such wonderful children's books these days . . . they are ageless, so could be passed from one school to another until they are worn out.

As to where the money should come from, I would suggest the liquor tax. I know of no better way part of that money could be spent. Real and per-

sonal property is already paying a large share of school and government expense. Those who have saved to buy property should not be taxed for the benefit of everyone. Everyone pays sales taxes according to his spending ability, so I feel they are a fairer source of revenue for something that will benefit everyone.

There is so much good nonfiction. I don't have much time for current fiction, so much of which I feel a waste of time, but I hope everyone has time for some of the classics and books like, Cheaper by the Dozen, The Egg and I, and others that gave me a good laugh.

My final words, "Better Rural School Libraries at Any Price!"

—By Mrs. Theresa Burton.

To Clean Silver

Easiest way to clean your everyday silver is to cover the bottom of your enameled dish pan with a piece of aluminum foil. Lay the silver on top and pour boiling water on to cover each piece. Add a teaspoon of salt and one teaspoon of soda for each quart of water. Move the silver about so that each piece eventually touches the aluminum foil. In about 2 minutes all the tarnish will disappear and you may rinse and dry the silver. This is not recommended for silver with a French gray finish.

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12-20
40



4556
SIZES
34-50



4546
SIZES
12-20
30-42

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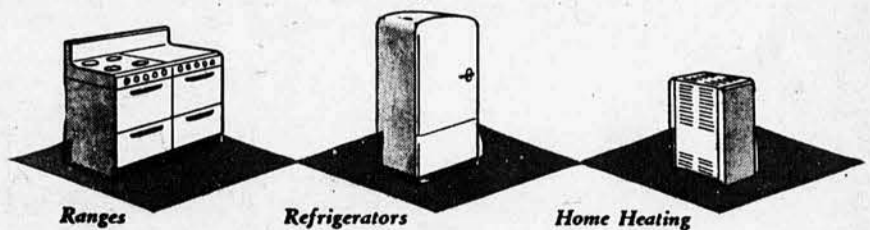
4546—Clever casual with wide collar-line and button detail. Sizes 12 to 20 and 30 to 42. Size 16 requires 3 1/2 yards of 39-inch material.

Send 25 cents for each pattern to the Fashion Editor, Kansas Farmer, Topeka.



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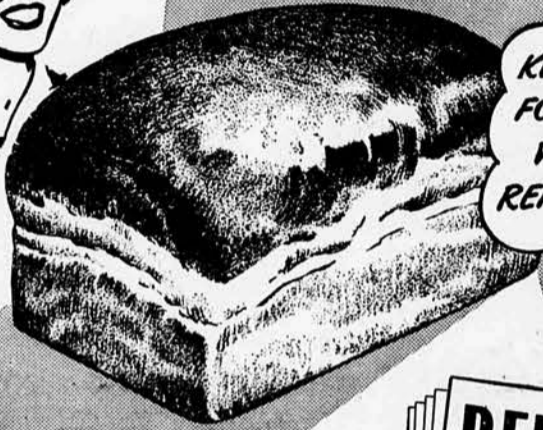
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3 packages Red Star Dry Yeast
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1/2 cup sugar
5 teaspoons salt
3 3/4 cups lukewarm water
11 1/2 cups sifted flour
5 tablespoons shortening

Dissolve 3 packages Red Star Dry Yeast in 1/2 cups warm water. Let stand 2 to 3 minutes. Place 1/2 cup sugar, salt and 3 3/4 cups water in a large bowl. Stir yeast solution thoroughly and add to this mixture. Add half the flour and beat well. Add melted and cooled shortening, stirring vigorously. Add remainder of flour, stirring until well mixed. Place dough on lightly floured board and knead 5 to 7 minutes. Shape into smooth ball and place in greased bowl. Brush top lightly with shortening. Cover and let rise in warm place for 45 minutes. Punch dough down; shape into loaves and place in greased pans. Brush tops of loaves lightly with shortening. Cover and let rise in warm place for 45 minutes. Bake in moderately hot oven (400° F.) for 50 minutes. Makes 4 loaves.



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**Homemakers Go to
Rock Springs**

FARM homemakers from 17 counties turned over their aprons and housewifely duties to husbands and children the third week in August while they attended a 3-day camp at Rock Springs Ranch near Junction City. The fun-seeking women particularly enjoyed the freedom from meal-getting, dishwashing and had fun visiting together. The first group from 11 counties went to camp on August 16. Women from 6 additional counties began their 3-day stay on August 18. Approximately 100 demonstration unit members attended the first camp from the following counties: Marshall, Lyon, Riley, Saline, Morris, Ellsworth,

Dickinson, Marion, Jackson and Clay. This group called their camp the Rock Springs Round-up, built their program around a western theme and had a home talent rodeo. For handicraft work they wove huck towels and did metal etching. Virginia Green, Extension recreation specialist, Kansas State college, assisted at both camps. Foods demonstrations were included on the program and Stanley Meinen, 1949 International Youth Exchange student, spoke. Homemakers attending the second camp came from the following counties: Geary, Harvey, McPherson, Pottawatomie, Rice and Mitchell.

Arrange Fall Flowers

Have your petunias gradually turned a pale magenta? Don't spurn them. Make an old-fashioned bouquet of your pale lavender petunias or the deep purple of the globe amaranth or bachelor's button as it is more often called. This clover-like flower belongs to the everlasting family.

will be effective when placed under the bean pot. If you are buying needle holders, keep in mind that the inexpensive kind will rust. You will find good ones in florist shops. With one large and one small one, you can design most any arrangement your fancy dictates.



**Ready Mixes
Right for Small Fry**

Ready mixes, either the kind from the grocers' shelves or homemade, are ideal for children learning to cook. A good many steps in baking can be learned with their use. They can stir up a cake or a quick gingerbread in 5 minutes. A quick-roll mix can be mixed before church Sunday morning and be ready to stick in the oven when they come home for dinner.

Men Better Fed

"As a rule, the men of the family are the best fed," says Dr. Hazel Stiebling of the Bureau of Human Nutrition and Home Economics. On the other hand the women and older children are the worst fed, she adds. When there is scarcely enough to go around, mothers tend to sacrifice for other family members. Even so, however, teen-age children with their high requirements, often get less than enough food, especially milk.

Cornstarch Versus Flour

Cornstarch has about twice the thickening power of flour, so use about one half the amount.

For the Baby



7365



Just one straight piece each. Cap, jacket and carriage cover for the new baby. Knitted in stockinette and cable stitch of sport yarn. Pattern No. 7365 includes directions for the 3 items.

For the Bean Pot
Fill your old brown bean pot with marigolds. Any other gold late summer or autumn flowers will do as well, even the common sunflower. In cutting the flowers, keep a circle in mind and keep the highest point of the design twice the height of the container. That's just good proportion, according to the artists.



A square of brown plaid cloth or checkered napkin in brown and yellow

Send 20 cents for the pattern to the Needlework Editor, Kansas Farmer, Topeka.

Coming, September 16 . . .

Insects have a tough life. But it is going to be worse for them in the future! That is what you will read in your September 16, 1950, issue of *Kansas Farmer*.

You remember Paris green once was the standard insecticide for chewing insects. Along came lead arsenate which had certain advantages over Paris green. Later calcium arsenate appeared to have some strong points, so it was thought real progress was taking place.

But 1941 brought DDT! "I can remember when I first heard the claim for DDT. It seemed so incredible I did not take it seriously. But the claim was true," says the author of the article coming to you in the next issue of *Kansas Farmer*.

Chemists are searching now for the "ideal" insecticide—one that will prove effective against a great range of pests. Will they find it?

You get the answer, and the whole story of insecticides, in your September 16, issue of *Kansas Farmer*. This will be an article by a top authority which you will want to keep for future reference.

Deadly virus disease threat to future of . . .

American Elm

By WILLIAM G. AMSTEIN, Kansas State College

HOW would your yard, community or county look if most of your American elms were taken out by disease? I recall how some areas looked in the east after the chestnut trees were all lost. Considering that the American elm is the No. 1 shade tree in this state the increasing reports of the finding of the phloem necrosis disease in this area certainly are not good.

In recent trips I have noticed a large number of injured trees in many cities, towns and along the highways. Many ailing trees were also observed. In the Kansas Cities alone this disease has caused the loss of hundreds of trees.

Elsewhere in this eastern Kansas section, losses from this disease also have occurred altho the true cause was often not identified. European and Asiatic elms, including Chinese elms, are considered resistant to this disease with only American elms reported susceptible.

The outward or general appearance of an elm suffering from phloem necrosis may not be much different from that of a tree injured by drought, spider mites, girdling or winter injury—that is, the leaves may be a lighter green, yellow or brown. The tree may have a nearly normal foliage or carry only a light undersized crop of leaves. However, the leaves may turn brown and the tree die in a short time.

With the first phloem necrosis symptoms, the inner layer of the bark near the ground line has a raw sienna yellowish color instead of the light creamy white color of the normal inner bark. This discoloration may not be evident on the upper parts of the trees. Outer layers of the bark appear normal in color. In addition, the symptoms in the bark of a dead tree are not to be relied upon.

In a newly affected tree, the odor of

wintergreen in the inner bark is considered a definite symptom. A chisel or small ax can be used to cut out bark samples for tests on a suspicious tree. Keeping the sample in a closed jar for a day or two will aid in identifying the odor.

This elm tree disease, phloem necrosis, is caused by a virus and is often spread by insects that feed on the elm trees. No very satisfactory control has been described thus far. Thousands of elms have been sprayed with DDT in many cities to control cankerworms and in an effort to help control other insects that may spread this disease. It is hoped that by controlling many insects it may be possible to keep this disease from being spread in this manner. However, this system of protection has not given as good results as desired. Trees adjacent to diseased ones may pick up the disease thru the crossing of root systems.

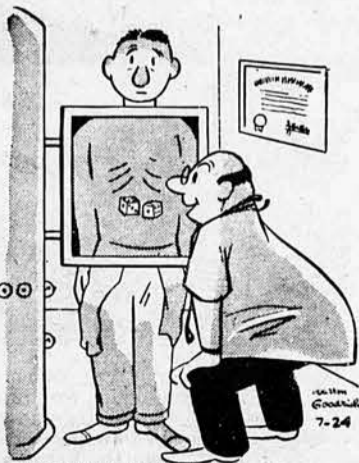
When a tree is known to be injured by phloem necrosis, it should be cut and burned immediately. Diseased trees do not recover and will serve as a hazard to all other elms in the area. On some streets or roads you may notice where this disease has spread from tree to tree. In the vicinity of Swope Park, in Kansas City, Mo., heavy tree losses have been observed.

In choosing trees to plant in the future, greater consideration will need to be given to those that are not subject to this phloem necrosis disease. Depending upon their adaptation to your community; soft maple, ash, hackberry, oak, sycamore, cottonwood and Chinese elm are some of the more common trees that should be considered.

Some resistant American elms have been found. These are being propagated and in a few years we can expect to have them commonly available

Finds Grass Silage Quite Easy to Make

MAKING grass silage by the wilt method isn't as tough a job as a lot of folks think, says L. G. Will, of Jefferson county.



"Hmm . . . Cough again, Mr. Wilson."

This is the third year Mr. Will has put up grass silage (mostly red clover) by the wilt method and with very good success. "We don't wilt as long as recommended—about an hour on a dry day—but haven't had any spoilage or any trouble getting the cattle to eat it," says Mr. Will.

Mr. Will puts grass silage in an upright silo—reinforced before filling—and finds that his only trouble is in packing. "The silage is a little hard to get out with a fork," he says. "We keep a mattock in the silo to loosen up the silage before trying to fork it out. This has worked very well."

And the cattle on the Will farm relish the grass silage. "We have fed grass silage 2 winters now and the cattle do a good job of cleaning it up."

As a winter ration for deferred-fed steers Mr. Will feeds about 20 to 25 pounds of grass silage a head daily, 6 to 7 pounds of cob meal, and whatever lespedeza or other hay is on hand. Hay is fed in whatever amount the cattle will clean up. Late in the winter one-half pound of cottonseed cake daily is added to the ration.

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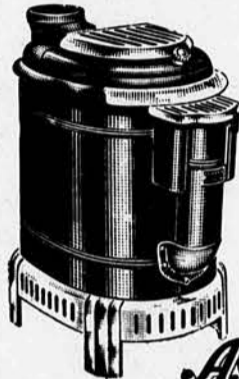
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Fertilizer Price Ratio Favors Soil Building

THE price ratio in favor of building up your soil with lime and commercial fertilizers is very good now, says Herbert T. Niles, Coffey county farmer.

Lime first was used on the Niles farm in 1930 and most of it has been treated now with 3 tons an acre, including the bottom land. "A lot of folks think bottom land doesn't need liming but we find it pays in this area," says Mr. Niles, "since our farm has been farmed some 65 years."

A year ago Mr. Niles started treating fields ahead of legume seedings with 1,000 to 1,500 pounds of rock phosphate an acre. This is followed with 200 pounds of 45 per cent superphosphate an acre applied on the sweet clover at seeding time.

Old alfalfa stands are given a top dressing each year with 200 pounds of 45 per cent superphosphate an acre. Brome for pasture is given a yearly treatment of 200 pounds of 33 per cent ammonium nitrate an acre and brome for seed production gets 300 pounds an acre.

Nitrogen also is used for side-dressing on corn where the field has been out of legumes and for wet spots in corn

fields following legumes. Mr. Niles uses 100 pounds of 33 per cent ammonium nitrate an acre, applied when the corn is about knee high.

Altho Mr. Niles considers the price of fertilizers relatively low in comparison with crop prices, he gets an additional saving by joining with a neighbor to buy all fertilizers in carload lots.

Feeding Pullets

A growing mash containing either 16 or 18 per cent protein should be kept before pullets at all times during the summer, says M. E. Jackson, Kansas State College extension poultry specialist. Grain can be fed "free choice" to reduce feed cost.

It's not economical to cut out mash to save money as the pullets need the protein, minerals, and vitamins to develop properly. A poor pullet going into the laying house makes a poor laying hen.

There should be an adequate supply of water for the birds at all times. A barrel mounted on wheels or skids with some type of fountain mounted on it will help insure an adequate supply of water.

Cattle Spraying Pen To Fit Your Needs



SPRAY OPERATORS like this cheap spray-and-hold pen arrangement on the M. E. King and Son Ranch, Butler county. Don Brown, an assistant in the county agent's office, is holding open the release gate.

WHETHER you are a big operator or small, you can build an inexpensive cattle spraying pen that will pay big dividends. We recently looked over both big and little arrangements in Butler county pastures. A big one was in the Emil Wiebe pasture and is used by 3 operators—Emil Wiebe, D. R. Wiebe and Alfred Regier, all of Whitewater.

This arrangement consists of 3 holding pens about 40 feet by 40 feet made of 2-inch pipe railings on hedge posts, plus woven-wire fencing. The actual spray alley is all pipe, with extra pipe being substituted for wire fencing. Gates also are of 2-inch pipe.

All 3 lots open into the alley, with gates swinging so as to close the alley behind the cattle.

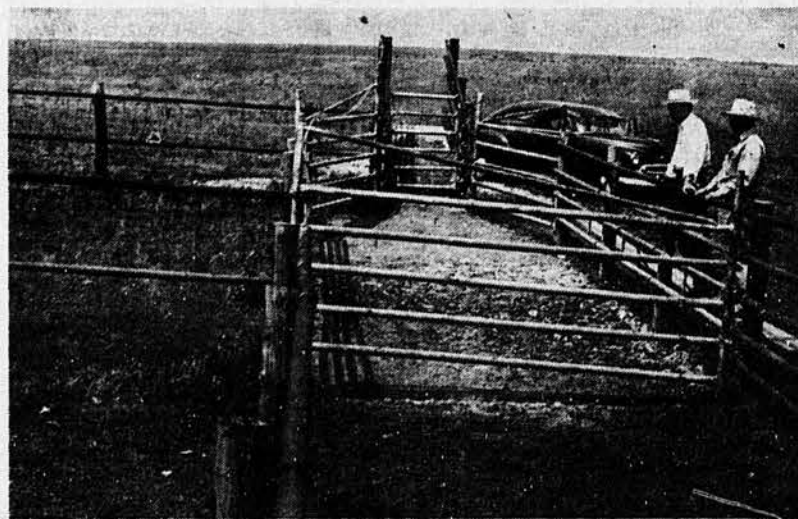
At one end of the alley, these men have added a loading chute so cattle

can be loaded for transfer to other pastures. If they are to remain in the pasture after spraying, cattle are released thru a gate just ahead of the loading chute.

But for the small operator who wants a cheap pen that will still hold the cattle safely, we recommend one on the M. E. King and Son ranch.

The actual spray pen is 10 feet by 20 feet and is made with 5 hedge posts on each side and 4 rails of 2-inch pipe. Extra strength is added by pipes across both ends at top to tie the end posts.

Together, the holding pen and the spray pen are built to look like the cross-section of a jug, with the holding-pen fence spreading out at a sharp angle from the narrow spray pen. Spray operators like this spray pen because they can get to the cattle from 3 directions.



THREE HOLDING PENS on the left lead into this spray-pen area on Emil Wiebe ranch, Butler county. Pens are strong but of fairly cheap construction. Don Brown and Gene Payer, of the Butler county agent's office, look over the arrangement.

Expect Delay

(Continued from Page 7)

hoping to take out some of the Senate protections, or at least whittle them down.

The following explanation of the workings of the Old Age and Survivors Insurance of workers on farms under the new Social Security act was placed in the Congressional Record by Sen. Walter George, of Georgia, chairman of the Senate Finance Committee:

(It) extends old-age and survivors insurance to regularly employed workers on farms. For a farm worker to become regularly employed and thus brought under coverage he must: (1) work continuously for one employer all of one calendar quarter; and (2) perform agricultural labor for the same employer on a full-time basis for 60 days or more in the next calendar quarter and earn at least \$50 in cash wages for such agricultural labor. Under such circumstances the employe is covered for the second calendar quarter. The employe continues to be covered in each succeeding calendar quarter in which he performs agricultural labor for the same employer and meets the 60-day and \$50 cash-wage requirements.

If in one of the succeeding calendar quarters he is not continuously employed and does not perform agricultural labor on a full-time basis for 60 days for the same employer, but does earn \$50 or more for performing such labor, he is covered for that quarter even though he meets only the cash-wage requirement. However, he is not covered in the quarter following the one in which he met only the cash-wage requirement even though he again performs agricultural labor for the same employer and meets both the 60-day and cash-wage requirements.

In such cases the employe, to obtain coverage, must meet the same requirements as if he were a new employe going to work for the employer for the first time. In other words, he has to fulfill the requirements outlined in the (first) paragraph.

The following example illustrates the effect of the provisions relating to the coverage of workers on farms.

Employe A works for farmer B continuously in the October-December quarter this year. In the January-March quarter of 1951, A works for B's farm on a full-time basis for 60 days (or more) and earns \$50 or more in cash wages.

Then the services performed by A in the January-March quarter are covered employment and B is required to pay the old-age and survivors insurance tax on the cash wages paid for such services. If A performs services on B's farm in the April-June quarter and earns at least \$50 in cash such services are covered and farmer B would be required to pay the tax on the wages paid even if A leaves B's employment without working 60 days.

Under these circumstances A's services in the July-September quarter are not covered even though he again becomes employed by B and works on B's farm continuously thru the July-September quarter and earns in excess of \$50. This follows from the fact A did not meet the 60-day test in the April-June quarter.

A's services are covered in the October-December, 1951 quarter, however, if he works on B's farm on a full-time basis for 60 days and in such quarter earns \$50 or more in cash wages.

Farm owners and operators, unlike businesses whose operators are declared to be "self-employed," are not brought under social security by the bill. But domestic help is included, if the domestic is regularly employed, works as many as 24 days in a quarter, and is paid \$50 or more during the quarter.

Popcorn in Jars

To keep popcorn without waste, I shell and place in fruit jars with lids on and store in cellar. It keeps clean and almost every grain pops.—Mrs. L. H. Moore.

For Milady's Hats

I made an extra hat shelf in my clothes closet by tying rows of cords between screw eyes above the closet's top shelf.—Mrs. R. R. C.



LLOYD BURLINGHAM'S

SKELLY FARM NEWS

Revolution in Pork!

A great change is under way in pork production. You've known some drastic livestock shifts before 1950. You've seen horses fade out of the farm power picture; you've seen sheep, now beginning a comeback, drop to record low numbers; you've noted the speed-up in beef production, and lived while egg yield increased nearly 50 per cent per bird.

Now the change is in hogs. They are to be leaner. They will be sold with less fat, brought to market finish at lighter weights. The average porker will no longer produce enough meat for two people and lard for three.

A revolution is on. Hogs with one and a half inches of back fat are to out-sell those with a covering of two inches or more. You are to see longer bodied, deeper animals. You can watch as the typical market hog is made over. It's a revolution in the production of nearly half of our annual supply of 22 billion pounds of meat.

IT'S BACK-TO-SCHOOL SAFETY MONTH!



PROTECT OUR CHILDREN

At Skelly Service Stations everywhere, the familiar "Skelly Scotty" is urging motorists to be more watchful than ever—to drive more cautiously than ever—now that the youngsters are running back to school and home again. Drive Carefully—the Child You Save May Be Your Own!

Save With SKELLY Farm Lubricants! DEPENDABLE PROTECTION

Take no chances with costly breakdowns! Protect all your farming machinery with the right lubricant in the right spot. You're sure of dependable lubrication when you use Skelly Tagolene Long-Life Greases, Skelly Fortified Tagolene Heavy Duty Oil and Supreme Motor Oils. Use Skelly products with confidence—satisfaction guaranteed or your money back!



Your Skellyman says:

"There's no better time than right now for getting your house and barn into 'winter fighting condition.' One of the best ways to do that is to beautify and protect your buildings with Skelly House and Barn Paints. These superior paints are made to go on smoothly—whether brushed on or sprayed. And talk about economy! One gallon of Skelly House Paint can cover up to 500 square feet of surface. Order your Skelly House and Barn Paint now!"



At their farm you will find Outstanding Cattle and Outstanding SKELLY Products



Meet Mr. and Mrs. Fred Foster, operators of the beautiful 1,000 acre Foster "Triple F Farm" at Brighton, Colorado. Along with their daughter Shirley and her husband Kenneth, the Fosters are justifiably proud of the products of their farm. Winning prizes is a habit with the Fosters. At the Colorado State Fair in Pueblo last year, they owned both the Junior Champion and Reserve Grand Champion for Angus cattle. In 1948, they owned the Grand Champion Angus. At last counting, they owned a total of 245 head of Angus cattle, 110 head of Holsteins and 84 head of Herefords.

Forty of the Holsteins, by the way, are a pet project of Shirley's. The herd's butterfat average for the past 9 months has been 30.8 lbs. per month per cow.

Twenty acres of the Foster Farm are

in sugar beets. Here, too, production hits the top. A leader in sugar beet production for the past 10 years, the farm has at least once scored highest in the entire Brighton district.

The Fosters are unstinting in their praise of the service they get from Skelly Farm Serviceman Howard Lyons. They point proudly to their 1941 tractor that is still in excellent condition—even though it ran day and night all during the war, using Skelly oils and gasoline exclusively. "There's not another tractor around that has done as much work and with practically no repairs," said Mrs. Foster.

For more than 20 years the Fosters have been using Skelly products to assure the trouble-free, economical operation of all their farm machinery. Mrs. Foster put the reason into a succinct phrase: "Skelly's got good stuff."

HINTS for House and Garden

A few drops of water sprinkled on your shoes after applying polish (before buffing) will increase the gloss of your shine. Talcum powder will give the same effect when applied before second buffing.

Fall is an excellent time to start a new lawn—or re-seed an old one. Sowing grass seed with an ordinary household strainer will give you a more uniform seeding job.

September picnic idea: If you want to have scrambled eggs, keep them fresh by breaking them into a vacuum bottle.

For lighter doughnuts: A little vinegar in the cooking grease keeps doughnuts lighter by preventing absorption of cooking grease.

The best way to remove chewing gum is to first soften it with egg white. Then wash with soap and water.

Keep Up with Vital News of the Day. Listen to Lloyd Burlingham and Alex Dreier!

Don't ever miss Saturday morning with Lloyd Burlingham. He brings you the latest farm and world news and he features the week's winner of the Skelly Agricultural Achievement Award. Each weekday,

Monday through Friday, tune in Alex Dreier's first network news analysis of the day, 7:00 a.m. over your local NBC station—7:30 a.m., KOA, Denver.

SKELLYLAND'S Favorite Recipes

APPLE BUTTER PIE
Submitted by Mrs. A. O. Madlem,
Wakarusa, Indiana

| | |
|----------------------|----------------------|
| 1/2 cup apple butter | 2 tablespoons sugar |
| 3 egg yolks | 1/2 cup milk |
| 1 cup water | 1/2 cup brown sugar |
| 1 1/2 teaspoons salt | 1/2 teaspoon salt |
| cinnamon | 1/2 teaspoon nutmeg |
| 1/8 teaspoon cloves | 1 tablespoon gelatin |
| 1/2 cup water | 3 egg whites |

Cook slightly beaten egg yolks, brown sugar, apple butter, milk, 1 cup water, salt and spices in top of double boiler until thickened.

Soak gelatin in 1/2 cup water and add to hot mixture. Stir until dissolved.

Fold in egg whites stiffly beaten with 2 tablespoons sugar.

Pour into baked 9" pastry shell. Chill until firm. Serve with whipped cream flavored with sugar and vanilla.

YOUR FAVORITE CASSEROLE RECIPE MAY BE WORTH \$5.00

If we publish your favorite Casserole Recipe, we'll pay you \$5.00. Got one? Mail it to us today. Please keep a copy for yourself, as no recipes can be returned. Write Skelly Oil Company, Dept. K-F-950, Kansas City, Mo.

See or call your Skelly Farm Serviceman today!

SKELLY OIL COMPANY

P. O. BOX 436, KANSAS CITY, MISSOURI



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HYDRAULIC LOADER
FAST, POWERFUL LIFTING

Designed and built with Fewer Moving Parts
 Easy to attach or detach. Hydraulic control stops and starts loader any distance from ground.

Such Features as

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- No Attachments Above Rear Axle Line
- Positive Bucket Closing Device
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- Fast Mounting
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Fits All Row Crop Type Tractors and Some Wide Tread Tractors
 Quick Interchangeable Attachments... The Dozer Blade and Combination Hydraulic Hay Buck and Stacker, Gravel Bucket and Snow Bucket.

"The loader of many uses"

Write for New, Colorful Folders
MAQUOKETA COMPANY MAQUOKETA 4, IOWA



EASY ROLL WIRE WINDER

- ▶ Rolls or unrolls wire.
- ▶ 80 rods in 3 minutes.
- ▶ Only one reel required.
- ▶ Write for full details.

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TOUGH — DURABLE

Carlton Plastic Pipe Is Guaranteed Against Rust and Corrosion

Carlton Plastic pipe is flexible and semi-rigid. It is being used successfully for livestock watering lines, jet well installations, irrigation, conduit for electric power lines and many other uses on the farm.

It is lightweight, will not corrode; it's tough, durable and will not burst from freezing. Rapid installation saves time, labor and money.

See your local dealer or write direct to us for complete details and prices on this new plastic tubing.

CARLTON PIPE IS ENDORSED BY LEADING JET PUMP MANUFACTURERS

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It costs only a few cents more per animal per year to feed Morton's Free Choice Trace Mineralized Salt. It pays off in terms of faster growth, lower feeding costs, more and healthier young, bigger profits. Trace minerals, with salt, stimulate enzyme, vitamin and hormone systems that build feed nutrients into blood, bone, tissue and milk.

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in Kansas Farmer—Classified Department. Only 10c a word, per issue —12 words minimum.



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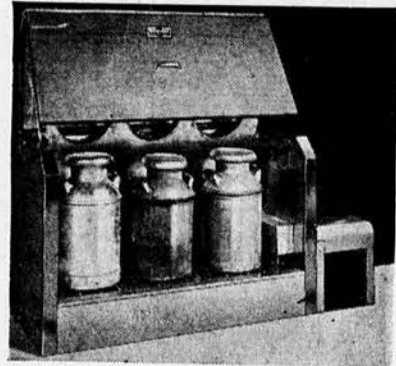
Here you will see the latest Improved GRAVEL-Guard Irrigation and Industrial Well Casing, made from 1/4" thick steel, Aluminum Over-Head Irrigation Sprinkler Equipment; DOERR Water Storage, Stock Watering, Farm Service, Fuel Storage, Septic, and Pneumatic Tanks; DOERR All-Steel Wheat Beds, Steel Stock Racks, Grain Bins, and Metal Buildings.

See your Local Dealer, or write for information and prices.

DOERR METAL PRODUCTS
 Phone 702 Larned, Kansas

Have you heard—?

Notes on New Products and Folks Who Make Them



Company, Racine, Wis. The booklet features new additions to their line, including the 44 and 55 Diesel tractors. The complete Massey-Harris line includes 24 models in 5 power sizes.

Two of the most powerful insecticidal chemicals ever discovered are now in commercial production. They are aldrin and dieldrin—originally designated Compound 118 and Compound 497. Producers are Julius Hyman & Co., of Denver. Nation-wide distribution will be handled by Shell Chemical Corp., 50 West 50th St., New York 20, N. Y. Aldrin and dieldrin have been found highly effective in either dust or spray formulations against a wide range of pests.

Rite-Way Products Company, of Chicago, has added a new spray-type cooler to their line of milk coolers. It is made of heavy-gauge galvanized steel thruout. It is thickly insulated and the exterior is finished in bonderized, baked enamel. Kelvinator Compressors are used. Front and top of cooler lift up and out of the way for loading or unloading. This makes it easy to swing in the cans without lifting or shoving. It also eliminates wide-swinging doors which take up valuable floor space in a milkhouse. The cooler is available from all authorized Rite-Way dealers.

New improvement in the aluminum industry is manufacture of aluminum nails. Nichols Wire & Aluminum Co., Davenport, Iowa, says they're economical, non-rusting and non-staining. These nails do not rust or bleed to spoil paint jobs and finishes. They eliminate need for frequent repainting of unsightly, rust-streaked siding. A further advantage is they need not be put-tied or counter-sunk—a saving of \$40 to \$50 on the average 5-room house.

The Morris Manufacturing Company, of Windfall, Ind., write us they have added a new Carefree Automatic Fountain for stock and poultry to their line of farm equipment. One fountain will water 75 large cattle or 300 heavy hogs, is ideal for small pigs, and will supply enough water for 200 heavy hens. The fountains are made of heavy-gauge steel, are freezeproof, and are easily installed.



Word has come to us about a new, round corncrib. It insures even filling, reduces spoilage, and the rigid frame stands permanently when empty. Thick, galvanized No. 5 wire fabric is used. Heavy, specially-constructed J-bolts anchor the roof. The new crib comes in 1,000-bushel, 1,500-bushel and 2,200-bushel sizes. It is manufactured by The Sioux Steel Company, Sioux Falls, S. D.

Crosley Motors, Inc., is announcing a new, double-duty vehicle for large and small farms—the "FarmOrod." It will perform all functions of a light tractor and deliver speeds up to 60 miles an hour on the road. The basic vehicle is a low-slung, squarely-built, 2-passenger car. It has a heavy-duty rear axle and transmission which gives it 6 speeds forward and 2 in reverse. It is powered by the Crosley 26.5 horsepower engine. A hydraulic lift and power takeoff may be added to front of machine.

GRANDMA . . . By Charles Kuhn



Panel 1: A woman sits at a table in a restaurant. A waiter approaches her.

Panel 2: The waiter holds a menu and says, "HELLO, GRANDMA!"

Panel 3: The woman looks at the menu and says, "GIMME A BOWL O' HOT SOUP! IT SURE DOES SOUND GOOD!"

Panel 4: The woman is slurping soup. The waiter looks on.

1-2

Double duty dose!

PARKE-DAVIS
CLOSTRIDIUM
CHAUVEI-SEPTICUS
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ONE VACCINATION
PROTECTS
AGAINST
BOTH
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Write for prices. Special discounts now Good territory open for live agents.

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the FARM WAGON
that does
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in 1/8 the time



It's the Corning Quick Lift, the heavy duty, all-steel farm wagon with the Famous Built-In Lift! This Special Quick Lift feature is operated by a simple reverse movement of the tractor, which raises the box and dumps the load in a fraction of the time — and with none of the hard work of hand shovelling.

- Rugged, heavy duty all-steel construction
- Easy pulling—no whip
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It doesn't COST — It PAYS to own a Corning Quick Lift Wagon. See Your Dealer today

JUST BACK UP AND DUMP LOAD!

When you think of wagons think of...
NEW MONARCH MACHINE & STAMPING CO.
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Please send me complete details on the Corning Quick Lift wagon that dumps its own loads.

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Marketing Viewpoint

Harold M. Riley, Livestock; Leonard W. Schruben, Feed Grains; Paul L. Kelley, Dairy Products; Joe W. Koudele, Poultry and Eggs.

"When would be the best time to buy some plain replacement cattle for a wintering program?"—J. M.

The movement of native grass cattle and range stock is beginning to increase in volume. It seems that even tho demand for replacement stock will be strong, there is a good possibility that seasonal increases in marketings will result in moderate downward adjustment in prices for plain replacement stock during the next 2 months. Normally, the period of weakest prices for common to medium grade stockers and feeders occurs in October and November. With excellent grazing conditions, farmers and ranchers probably will be reluctant to sell early this fall. Factors which would tend to strengthen prices on these kinds of cattle would be a wide scale development of wheat pasture and the possibility that there could be some soft corn to feed this fall.

"Will protein supplements be scarce and higher in price this fall?"—C. K.

According to the latest estimates of the Bureau of Agricultural Economics there will be about the same supply of oil cake and meal for the feeding year beginning October 1 as was available during the year ending on that date. Altho cotton acreage is much smaller than last year, a record soybean crop is in prospect. The amount needed in feeding operations this coming year is about the same as a year earlier since total livestock numbers aren't expected to change much.

Price weaknesses for oilseed meal and cake usually develop during the fall, strengthen during the winter months, and turn weak again to reach a seasonal low during the spring. It would appear that oilseed, cake and meal will decline slightly from present levels and then strengthen during the winter. There is usually considerable variation in the price of protein supplements from one town to another (local prices do not follow Kansas City as closely as in the case of wheat) and careful shopping sometimes pays big dividends.

"Will the Korean situation cause an improvement in the demand for dairy products and should I go into the dairy business now?"—R. D.

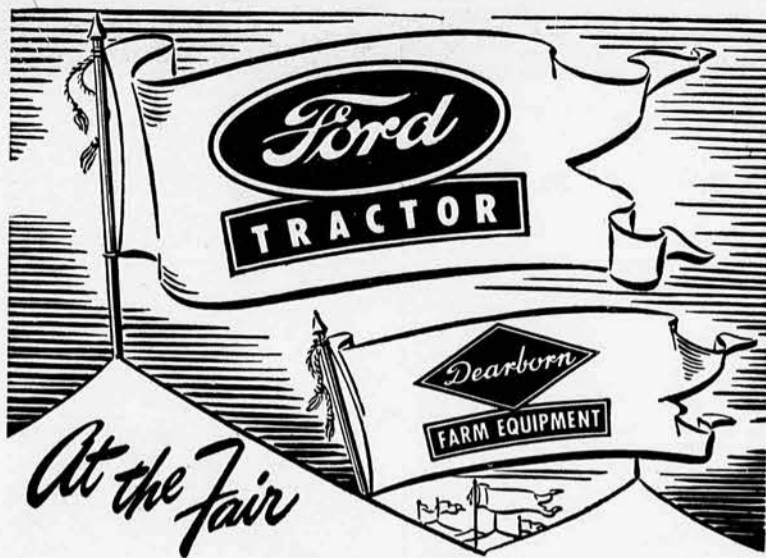
The Korean situation and its effects undoubtedly will improve the demand for dairy products. Of course, replacements are always needed in the dairy business but caution should be exercised before a person unfamiliar with dairying enters this field. At the moment, there is a surplus milk problem in the dairy business. For a time any improvement in demand will merely help alleviate this surplus problem.

"Would you please send any market information you might have on squabs?"—R. A.

In the larger markets there is a fair demand for squabs arising mainly from the more expensive hotels, restaurants and retail stores in high income residential districts. The Jewish, Chinese and Italian people in larger cities usually wish to purchase live squabs whereas practically all other classes of trade require dressed squabs.

Squabs may be dry picked, or they may be soft scalded and wax dressed, the later method giving a brighter, cleaner carcass. Squabs generally appear upon the market tied by the feet in bunches of 8 to 12 birds packed in crushed ice in barrels. Birds wrapped individually in parchment paper or enclosed in a cellophane envelope and then packed in ice arrive at market in better condition and have a greater appeal to the consumer.

A fancy squab must be plump breasted, bright colored, well covered with fat, and have a soft beak. Prices on squabs increase with the size per dozen, usually being quoted by each pound weight per dozen, from 6 to 12 pounds, with prices varying accordingly. Very few squabs are secured weighing more than 12 pounds. Currently, on the Kansas City wholesale poultry market squabs are quoted at 90 cents per pound (10 pounds and up per dozen).



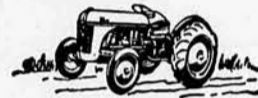
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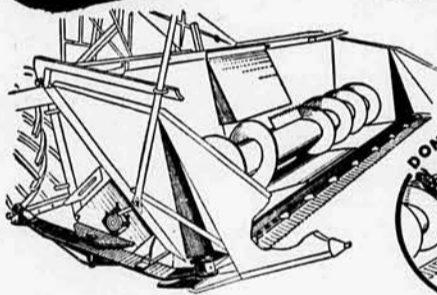


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GROWERS WILL PAY YOUR HARVESTING COSTS WITH THE GRAIN YOU SAVE!



Tall and short stalks, thin or heavy yield, the Hesston Sorghum Attachment will eliminate cutter bar "slobber" and increase your harvest net profit.



This field-proved attachment extends the sickle ahead and upward six inches, providing ample space for tall stalks to fall into the trough and under the auger. The upward slant prevents heads from falling off in front of the sickle bar. Installation is simple... no cutting, welding or holes to drill. Engineered and precision-built to fit your combine.

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AVAILABLE FOR Massey-Harris 10-, 12-, 14- and 16-ft., McCormick-Deering 123 and 125 SP, Baldwin 12-ft., John Deere "55," Cockshutt, Minneapolis-Moline G-3, G-4 and 14-ft. SP.

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ATTACHMENTS HAVE THOUSANDS OF SATISFIED USERS

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THE ORIGINAL LIGHTWEIGHT PORTABLE ELEVATOR

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COMPARE THESE FEATURES BEFORE YOU BUY!

- 1 Aircraft quality, heat-treated, 615T6 aluminum alloy.
- 2 Load carrying trough 14 aluminum gauge (actually thicker than 16-gauge steel).
- 3 Plow-contour rubber flights cut under load, hold chain down, reduce spillage.
- 4 Self-loads small grain with hopper sides and bottom cover removed.
- 5 Power unit easily detached without tools.

More Harvest-Handlers are in use on U. S. farms than all other lightweight, portable elevators combined. Wide acceptance indicates the satisfaction you can expect from this well-made product. Latest models, incorporating new features, are now better than ever. Handles ear corn, small grain and many other bulk materials.

Greater capacity Model C Harvest-Handler available with or without dolly.

Only \$129.50

16' model less power unit plus delivery costs

Model B



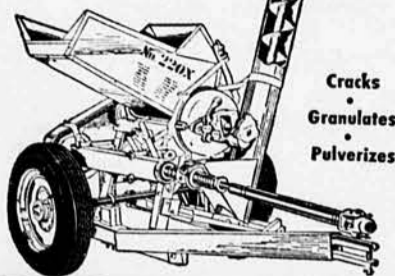
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THE BELT CORPORATION
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FREE LITERATURE and prices for units with various motors and engines!

New LETZ MOBILE PTO GRINDERS 3 SIZES



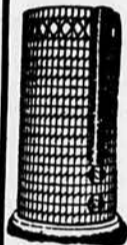
Cracks
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SAVE 1/3 GRINDING TIME AND WORK

You don't feed steer feed to pigs, nor pig feed to cows. For **MORE PROFITABLE** feed preparation use a Letz—the slow-speed, cutting-type grinder that granulates or cracks grain concentrates for ruminants or pulverizes for pigs or poultry. With Heavy-Duty PTO drive, new Letz grinders in 3 sizes, **GRIND FEED FAST and GRIND IT RIGHT**. Save up to 1/3 former grinding time and work. **EXCELS IN EARNING POWER AND VALUE**. Used by leading feeders and dairymen. Continuously developed since 1884. 3 sizes. New low prices. Write for folder.

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See new Letz Mills in the John Deere Exhibit at the following Fairs: Topeka, Kan., Sept. 9-16; Hutchinson, Kan., Sept. 17-22.

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Build Now for Grass Silage
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3% SAVE BY MAIL

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The BEAR CAT

COMBINATION Grain and Roughage Mill also Ensilage Cutter



Grinds any feed—green, wet or dry. Snapped or ear corn, roughage bundles or bale flakes and no monkey business. It really grinds, and with ordinary farm tractor. Has both cutter head and heavy swing hammers. Adjustable Drop-Apron Feeder works in any position from ground to truck bed height. Get full information on this real honest-to-goodness Bear-Cat Grinder. Four sizes. Write—Western Land Roller Company, Box 136 Hastings, Nebr.

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Old Live Horses and Dry Bones

We Pay More for Them Than Anyone Else
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Considering soil improvement
F. W. Cram is sure . . .

Turkeys Pay Double



FIVE THOUSAND TURKEYS a year come off the sun porches of the B and C Turkey Farm, Wilson county. Here F. W. Cram, right, and Lester Griffith, county agent, look over some of the poults.

THOSE turkeys have built a farm for us, that's what they've done," says F. W. Cram, of the B and C Turkey Farm, Wilson county.

What he means is manure from raising some 5,000 turkeys a year has helped bring a worn-out farm back so the soil is producing 75-bushel corn.

The B and C Turkey Farm produces 5,000 broad breasted turkeys a year and Mr. Cram is one producer who favors toms over hens. "We are raising all toms this year because they are a lot less trouble," he says. "Sure, we get docked on the price. But last year our hens averaged 16 1/2 pounds, while toms averaged 28. We can take some dock for all that extra weight.

"But if we didn't make a dime on market price our turkeys would be paying good dividends for what they do for our soil. When on range we keep turkeys in an area of 2 or 3 acres each year. We move shelters and feeders every 3 days and change pens every 7 to 10 days to even the manure distribution and prevent disease troubles. Of course, we haul manure from the sun porches and spread it over the farm land, too.

"Last year on one field where our turkeys were ranged the year before we got 75 bushels of corn an acre. In addition to manure we used 100 pounds of 4-16-4 commercial fertilizer an acre at planting time.

"One thing poultry manure does for the soil is to improve its ability to hold moisture," says Mr. Cram. "Fields where we have used this manure will hold moisture 3 weeks longer than other fields and never crust over.

"We're going to have to change our farming operations, too, because of our improved soil," says Mr. Cram. "Actually, well-manured soil gets too rich for small grains. They grow too rank in wet years. We plan to change part of the farm over to grass and legumes

and start a cattle program. Where you have grass and legumes you can't get soil too rich. Then, when wet years come, instead of ruining you, there is just more pasture and hay for livestock."

In addition to their turkey project Mr. Cram and his son, Gene, are remodeling a large 2-story barracks building at a former CCC camp near Fredonia and will use it for broiler production. The building will handle 5,000 broilers at a time.

Coming Events

September 6—Wabaunsee county landscaping tour with Collins and Parks, KSC specialists.

September 7—Phillips county, animal husbandry meeting, with M. B. Powell, KSC specialist.

September 8—Thomas county, fall outlook meeting for Farm Management members.

September 8—Dickinson county, Farm Management Association members outlook meeting, Abilene.

September 8—Shawnee county, Yard and garden tour with Mrs. Mary Ziegler, Home Demonstration agent.

September 9-15—Kansas Free Fair, Topeka.

September 11—Phillips county, home management leader training, Gladys Meyer, specialist.

September 12-13—National plowing matches and conservation field days, Urbana, Ohio.

September 17-22—Kansas State Fair.

September 25—Thomas county beef tour, with Bass Powell.

September 25—Norton county, landscape and shelterbelt tour.

September 26—Leavenworth county, fall field day, with L. E. Willoughby.

September 26—Sedgwick county, fall field day.

September 26—Pottawatomie 4-H leaders select 4-H champions.

September 28—Ford county, sorghum field day, Dodge City experimental field.



POULTRY MANURE built the soil that grew this outstanding corn on a former worn-out field. Corn made 75 bushels an acre last year and looks as good or better this year. Shown examining ears on June 30 are F. W. Cram, right, and Lester Griffith, county agent.

19 Lunch Menus

School bells will be ringing in a few days. Kansas Farmer's leaflet, School Lunch Menus, offer suggestions for the busy mother. Nineteen menus are given as well as many recipes. Also, for the hot-dish lunch, there are several suggestions. A copy of the leaflet will be sent upon request to Farm Service Editor, Kansas Farmer, Topeka. Please enclose 3c for postage.

September 30—Pottawatomie county 4-H'ers on Radio Station KSAC.
October 10—Pottawatomie county corn field day.

Fred Fenton Elected To National Office

Fred C. Fenton, head of the department of agricultural engineering at Kansas State College, was recently elected president of the American Society of Agricultural Engineers. He was elected at the organization's annual conference at Washington, D. C. During the meeting the delegates heard activities and results of agricultural engineering research, both in the states and in the Bureau of Agricultural Engineering in the U. S. Department of Agriculture.

Fall Farrowing Plans

In making plans for fall farrowing, pastures should be given special attention, says R. B. Cathcart, Kansas State College animal husbandryman. A combination of permanent and temporary pasture may be worked out to give considerable green feed during some of the winter months.

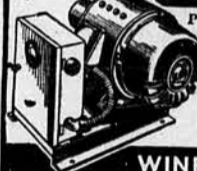
New Broiler Plant

The Salina Poultry Company at Salina has completed a second broiler plant to accommodate 2,500 birds. The first 2,500-bird house has been in use since last fall, says the Kansas Poultry Institute. Quality broilers are grown for the company's city trade.

Starts Broiler Plant

Vic Zuercher, operator of the White-water Hatchery, is another of the growing number of Kansas poultrymen who have started broiler plants this year. His plant consists of 4 houses which will accommodate from 15,000 to 16,000 birds. Automatic feeders and watering systems are in use in each house.

KILL POWER FAILURES
With YOUR OWN TRACTOR



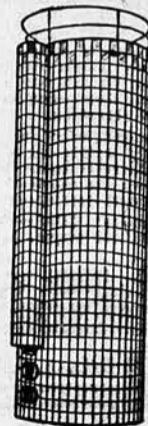
Protect your farm or business NOW with a low-cost, standby generator that operates from tractor belt or gas engine. Why wait until your lights go out—stoker, refrigerator, and radio stop then it's too late! Write today for complete details. Dealer Franchise Available.

WINPOWER MFG. CO.

Power & Appliance Div. NEWTON, IOWA

A SALINA SILO
pays for itself as it earns for YOU

Salina Concrete Stave Silos are constructed for a lifetime of durability and service. Heavy, power tamped, steam cured staves. Distributed locking joints. All steel, air-tight, free swinging doors. Many other exclusive features . . . and remember, a Salina Silo pays for itself as it earns for you! Write today for free folder.



See our exhibits at Kansas Free Fair at Topeka or the Kansas State Fair at Hutchinson.

The Salina Concrete Products Company

Dept. K. Salina, Kans.

Classified Advertising Department

KANSAS FARMER Classified Advertising

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Cuts and borders are permitted only in Poultry, Baby Chicks, Livestock and Pet Stock Ads. Write for special display requirements.

Kansas Farmer, Topeka, Kan.

● BABY CHICKS

DeForest Master Controlled Breeding gives you top quality Blueblood Chicks at reasonable prices. Write for free information today. DeForest Hatcheries, Box E, Peabody, Kansas.

Chicks, bloodtested, Production Reds, Barred, White, Buff, Brown Leghorns, Reds, \$9.95; pullets, \$11.85. White, Brown Leghorns, Austra-Whites, \$8.95. Pullets, \$12.85. Heavies, \$8.95. Fryer Specials, \$5.95. 100% alive FOB. Clinton Chick Store, Clinton, Mo.

Bush's White, Barred Rocks, Hampshire Reds, \$10.95. Pullets, \$11.95. Cockerels, \$10.95. Big type Eggbred Brown, White Leghorns, Austra-Whites, Black, Buff, Minorcas, \$8.95. Pullets, \$13.95. Heavies, \$8.95. Leftover, \$5.95. FOB 100% alive. Bush Hatchery, Clinton, Mo.

Barred, White Rocks, Hampshire Reds, \$10.95. Pullets, \$12.85. Brown, White Leghorns, Austra-Whites, \$8.95. Pullets, \$13.95. Heavies, \$9.95. Tableaus, \$5.95. FOB 100% alive. Thompson Chicks, Springfield, Mo.

FOR SALE

8,000 PULLETS

March, April and May hatched. All from U. S. Approved and Pullorum tested flocks. Seven breeds to choose from. A penny postal brings you our Pullet Bulletin. Write today.

MRS. CARRIE I. RUFF'S POULTRY FARM
Box 1564
Ottawa, Kan.

● PRODUCE WANTED

We want broilers, springs. Coops loaned free. The Copes, Topeka.

● LIVESTOCK ITEMS

Make More Profit under average farm conditions. Raise Milking Shorthorns. For average farmer Milking Shorthorns are unbeatable. Produce 4% milk. Have greater carcass value than other breeds. Second to none in producing milk and meat from home-grown roughage and grain from your farm! Free facts. Or subscribe to Milking Shorthorn Journal, Six months, \$1.00; one year, \$2.00; three years, \$5.00. American Milking Shorthorn Society, Dept. KF-5, 313 South Glenstone, Springfield 4, Mo.

● DOGS

Black English Shepherds. Breeder 25 years. Shipped on approval. 10c for pictures and description. H. W. Chestnut, Chanute, Kan.

English Shepherd Puppies. Spayed females. Also registered Collies. E. J. Barnes, Collyer, Kan.

● FARM EQUIPMENT

CONCRETE STAVE SILOS

Manufactured from Water-Proofed Cement. A size to fit your needs.
K-M SILO COMPANY
1929 Kansas Ave. Topeka, Kansas

SILO SEAL Protect your silo walls

Write today for free literature.
McPHERSON CONCRETE PRODUCTS CO.
904-1126 West Euclid
McPherson, Kansas

Paint—Outside white, titanium base. Stays white. Won't peel. Lasts years. \$1.85 gal. in 5-gal. cans. Sample can—50c, postpaid. Lilly-White Paint Co., 310 W. Washington St., Chicago, Ill.

● MACHINERY AND PARTS

You Can Build over a mile of terraces per day with a Terra-Tiller. Also, build road beds, water ways and diversion ditches. Write for information. Kiowa Mfg. Co., Kiowa, Kan.

New and Used Tractor Parts—Write for big, free 1950 catalog; tremendous savings. Satisfaction guaranteed. Central Tractor Parts Company, Des Moines 3, Ia.

Corn Picker, New Idea: 2 row, like new. James C. McClellan, P. O. Box 135, Bowling Green, Kentucky.

● ELECTRICAL EQUIPMENT

32-Volt Appliances! Select from the World's largest line. Enjoy city conveniences. High quality. Low prices. Catalog free. Haines Corp., Dept. F, Minneapolis 2, Minn.

● KANSAS CERTIFIED SEED

5,000 BUSHELS

Improved Pawnee and Triumph Wheat Certified and Uncertified Discounts on large orders

WALTER A. HUNT
Arkansas City, Kan.

5 miles north and 1/4 mile west of U. S. 77

WICHITA WHEAT

Certified 98 per cent germination, 99.23 per cent purity. Price \$2.75 per bushel in bulk. Discount on large orders.
WALTER DOHM, Grinnell, Kansas

Certified Seeds Grown in the famous Kaw Valley. Pawnee Wheat, Cherokee Oats, Chester A. Spray, Rt. 1, Lawrence, Kan.

Registered Buffalo Alfalfa Seed. Certified Pawnee Wheat. Certified Achenbach Bromo Grass. Earl Collins, Florence, Kan.

Wichita Wheat. Germination 98%. Purity 99.84%. Price \$2.75 per bushel. Leonard C. Brown, St. Francis, Kan.

Certified Pawnee Wheat. Sacked or bulk. Overhead bins. Dale E. Leichter, Nickerson, Kan.

● HOME EQUIPMENT

Parts for All Stoves, ranges, heaters, furnaces back to 1886. Fit guaranteed. Write for prices. Give make, model and part number. Blue Belle Co., Dept. C, 1307 Howard, Omaha, Nebr.

Notice—We ship stove repairs direct to you from Chicago, any make, any model or kind of stove, range or furnace. All parts guaranteed to fit. Give full name of stove, range or furnace, model number, name of manufacturer and state parts wanted. Central States Repair Co., Defiance, O.

● EDUCATIONAL

AUCTION SCHOOL Learn Auctioneering America's Leading Auctioneers Teach You. Students sell actual Sales. Largest school in world. 17 years in Operation. Don't be misled. Term soon. Free catalog. Write **REISCH AUCTION SCHOOL, Mason City, Iowa**

Ft. Smith Auction School, Fort Smith, Ark. Term soon. Veteran approved. Course includes rodeo announcing.

Play Piano: By Ear, in one week. Quickest, Easiest system in the world. Write me. F. Flant, Duenweg, Mo.

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PHOTO

CHRISTMAS CARDS

from your negative 18 cards and envelopes for \$1.00. Add 35c if you send a picture. 1 Deckledge print each on 8-exposure rolls, 25c. 2 each on 8-exposure rolls, 35c. Price list sent with orders.
SUMMERS STUDIO, Unionville, Mo.

16 for 25c. Any standard 8-exposure roll developed with 16 velox deckledge prints, 25c. 10c package mounting corners and enlargement coupon free with this ad. Skrudland, 6444-F Diversey, Chicago, Ill.

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

Unbeatable for Quality and Price. You will be surprised and pleased with the beautiful results from our celebrated Jumbo Oversize finishing. New low prices, same as contact. 8-exposure roll superfine finish only 30c. 12-exposure, 45c. 16-exposure, 55c. 36-exposure, \$1.25. Oversize reprints, 4c each. Send us your order, you will be delighted. Free mailers. Mailbag Film Service, Box 5440A, Chicago 80, Ill.

Any Standard 8-exposure roll developed and printed complete. 35c, including new fresh roll same size with this ad. Free Film Co., River Grove, Ill.

● AGENTS AND SALESMEN

At Last! Something new and sensational in Christmas cards. Show gorgeous satins, velours and metallics never before offered. Gets easy orders fast! Pays up to 100% cash profit. Free samples of 30 Christmas cards with name, 50 for \$1.00 up. 80 assortments. Personalized book matches and stationery, gift items, 2 assortments on approval. Write **Puro Co., 2801 Locust, Dept. 087-L, St. Louis, Mo.**

● INSURANCE

FIRE AND AUTOMOBILE

See our local agent.
Farmers Alliance Insurance Co., Alliance Mutual Casualty Co.
McPherson, Kansas

● WANTED TO BUY

Farmers: Increase your profits. Ship your Cream to Farmers Produce, 203 W. 10th St. Hays, Kansas.

Canneries Wanted—Best prices paid. Write for shipping directions. American Bird Co., 2609 W. 25th Pl., Chicago 8.

● BUSINESS OPPORTUNITIES

Bees for Profit. Pollinate your crops. Increase yield many times with bees on your farm plus profit from sale honey and beeswax. Full strength colonies ready to work, any quantity, extra supers for honey included. Loading point, Minature, Nebr. Fall or spring delivery. Write Bradshaw & Sons, Wendell, Idaho, for details.

● SAVINGS AND LOANS

Let the Mailman help you save. Our advertisement in this issue tells how you can save by mail and earn 3% at the current rate. We'll be glad to send you full particulars. Max Noble, president, United Building & Loan Association, 217 East Williams, Wichita, Kan.

● OF INTEREST TO WOMEN

Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized with amazing new product. Just mix dry powder with water; pour into toilet. Safe, no poisons. Save digging and pumping costs. Postcard brings free details. Burson Laboratories, Dept. V-18, 955 Willard Ct., Chicago 22, Ill.

Fairmount Maternity Hospital—Seclusion and delivery service for unmarried girls. Adoptions arranged; low rates; confidential. 1414 East 27th St., Kansas City, Missouri.

Red Ant Trap: guaranteed to destroy little red (grease) ants. Price, \$1.00 postpaid. H & H Mfg. Co., 5115 Palm, St. Louis 15, Mo.

● SERVICES OFFERED

I Do Farm Bookkeeping by mail. Write Jesse Woods, Paoli, Ind.

● REMEDIES—TREATMENTS

Free Book—Piles, Fistula, Colon-Stomach, associated conditions. Latest methods. Thornton & Minor Clinic, Suite C906, Kansas City 3, Mo.

● FOR THE TABLE

COMB HONEY

Cut Comb Clover Honey. Packed in 10-lb. pail. **\$3.50** Prepaid to 600 miles.

HAHN APIARIES

1715 Lane St. Topeka, Kan.

Louisiana Luscious Limes (Giant), 4 lbs. \$1.00 prepaid. Goodwill Bargains, Fullerton, La.

● OF INTEREST TO ALL

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

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 and stamp. Sparrowman, 1715 Lane, Topeka, Kan.

Fish Bait—Over 20 recipes and suggestions only 10c and stamp. Many favorable reports received. K. F. Fisherman, 1715 Lane, Topeka, Kan.



IN THE FIELD

MIKE WILSON

Topeka, Kansas
Livestock Editor

At the **GEORGE AND DWIGHT STONE DISPERSAL** on August 8, 2 new Kansas Holstein records were set. Leo Hostetler, Harper, paid \$2,100 for the cow, classified Excellent. She was Columbus Lane Gerben Inka, the highest-selling Holstein cow ever sold at auction in a Kansas Holstein sale. The Stone Dispersal, with its average of just a few cents under \$600 per head, became the highest averaging Holstein dispersal sale ever held in Kansas. Perhaps it could be said also, that more animals sold for a \$1,000 and over than in any other dispersal sale held here. The Hutchinson Chamber of Commerce booth registered folks from 11 states—Oklahoma, Missouri, Kentucky, Iowa, Colorado and Kansas. Much consolation can be recorded by the Stones because of the fact that nearly half of the cattle, or 33 head, returned to the fellow breeders in the South Central district of which the Stones have been co-operating in district activities. The largest check of the day was written by Leo Hostetler for 3 head. He paid \$3,700 for the top cow, her daughter, and the paternal sister to her dam of the top cow. The second largest check, \$3,400, was written by Robert W. Adams, Broken Arrow, Okla. He bought 4 head of the toppers including the American Royal grand champion of 1950, Zarnowski Tri Burke Alberta. B. E. Regier, Newton, took 5 head for a total of \$2,010. K. Dale Werner, Sharon, likewise took 5 head, for a total of \$3,120. Burt Chrisman, Littleton, Colo., paid \$1,050 for the maternal sister of the (Excellent) Columbus Lane Gerben Victor, dam of the top cow, who went to W. O. Payne, Danville, Ky, at \$850 considered by many a bargain. This successful sale was managed by T. Hobart McVay, of Nickerson. Bert Powell was the auctioneer. Charley Cole, Wellington, and representatives of the livestock press assisted in the sale.

August 26 marked the date of another very successful production sale of Hampshire hogs on the **O'BRYAN RANCH** near Hiattville. Demand for the quality bred gilts was very good and bidding was one of the best in any months throughout the Midwest. The gilts sold from \$130 to \$225 per head. The top price of \$225 was paid by Raymond Wagner, Ozawkie, for a beautiful gilt carrying the service of Contestant. A number of off-belted gilts sold from \$130 to \$175 per head. A top of \$175 was reached twice on boars. One went to Wayne Wheatly, Rich Hill, Mo. The other went to R. V. Hudson, Harrison, Ark. Spring gilts ranged from \$34.50 to \$102.50 per head. About 140 head were sold. The sale was conducted by Col. Bert Powell, assisted by representatives of the livestock press.

Since the death of W. G. Ransom, Sr., owner of Ransom Farm located at Homewood, W. G. RANSOM, JR., has been managing and operating the farm and dairy herd. The elder Ransom was widely known for the production of high quality registered Guernsey cattle. Bill, as he is known to us in the livestock fraternity, grew up on this farm and is doing a fine job. It is possible Bill will be able to purchase this layout in the future and continue with the successful operation. A short time ago an Angus herd was being assembled on Ransom Farm, but since the death of W. G. Sr., this herd has been dispersed. All the attention and time now is being devoted to the breeding of high quality registered Guernseys.

The **OK & T ANGUS ASSOCIATION FIELD DAY** was held August 10 at Chester I. Bare's Ranch, Protection. Mr. Bare's herd of Aberdeen-Angus cattle were inspected. There was a judging contest, type demonstration, and a hoof-trimming demonstration. Following a barbecue at noon, the afternoon talks were given by A. D. (Dad) Weber, Kansas State College, A. G. Pickett, Kansas Livestock Sanitary Commissioner, and others. The OK & T Angus Association territory includes Western Oklahoma, South-west Kansas, and Northwest Texas. Officers are Arley Hudson, Jr., Ft. Supply, Okla., president; Chester I. Bare, Protection, vice-president; and Doyle Heft, Coldwater; Kenneth Arthur, Capron, Okla.; and Clyde Bradford, Happy, Tex., directors. It was decided to hold a sale in March at Buffalo, Okla.

Trend of the Markets

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

| | Week Ago | Month Ago | Year Ago |
|---------------------|----------|-----------|----------|
| Steers, Fed | \$32.00 | \$31.50 | \$30.00 |
| Hogs | 26.10 | 24.50 | 22.25 |
| Lambs | 27.50 | 26.50 | 22.50 |
| Hens, 4 to 5 lbs. | .23 | .25 | .21 |
| Eggs, Standards | .33 | .35 | .49 1/2 |
| Butterfat, No. 1 | .51 | .51 | .55 |
| Wheat, No. 2, Hard | 2.26 1/2 | 2.31 | 2.24 |
| Corn, No. 2, Yellow | 1.45 1/2 | 1.49 1/2 | 1.24 1/2 |
| Oats, No. 2, White | .80 1/2 | .82 | .70 |
| Barley, No. 2 | 1.26 | 1.28 | 1.14 |
| Alfalfa, No. 1 | 24.00 | 24.00 | 26.00 |
| Prairie, No. 1 | 15.50 | 14.00 | 15.00 |

● FARMS—MISCELLANEOUS

Own a Farm in the agricultural center of the United States. Write for new 1950 catalog describing many productive farms. Sulter Farm Company, Realtors, 1016 Baltimore, Kansas City, Mo.

Strout's New Catalog, Farms, Homes, Country Businesses. World's largest! 3029 outstanding bargains, 31 states. Mailed free. Save thru, Strout, 20 West 9th St., Kansas City 6, Mo.

Big Free Fall Catalog, farm bargains, many equipped, illustrated, many states! United Farm Agency, 428-KF BMA Bldg., Kansas City 8, Mo.

1080 Acres Morgan County, Colorado. Improved grain farm, 800 acres under cultivation. Price \$28,000. Terms, Louis Miller, Frankfort, Ind.

Dairy CATTLE

REG. GUERNSEY SALE

Sept. 15
Clearwater,
Kansas



Sale at the farm 1 mile east and 2 miles south of Clearwater, Kansas.

16 HEAD 10 Cows and 6 Yearling Heifers

These cattle are good individuals, with good breeding and coming from popular bloodlines. Come visit our farm sale day and inspect this fine offering of females.

CLARENCE H. BLUMENSHIRE
Clearwater, Kansas
Chas. Cole, Auctioneer

Don't Forget the

W. C. NEIHART HOLSTEIN DISPERSAL

at the farm, Lyndon, Kan.

Wednesday, September 6

53 head registered and grade Holsteins. Classified for type—486.9 lbs. fat DHIA average. Health charts furnished.

Aucts.: Bert Powell, Jim Wilson
E. A. Dawdy, Boxman
Mike Wilson for Kansas Farmer

Bred HOLSTEIN HEIFERS

25 nicely-marked, well-grown grade heifers. 15 will freshen within 6 weeks. 10 bred to freshen later.

ED SHEETS

Rt. 8 Topeka, Kan.



Registered and Pure Bred WISCONSIN HOLSTEIN CALVES

For Higher Production Herds

Exceptional offering of registered and pure bred Holstein, Guernsey and Brown Swiss heifers and bulls from the finest herds. Tested, vaccinated. Well started—no milk required. Fine selection always on hand. Approval shipment. Write today.

Lowest Prices on HOLSTEIN Cows and Bulls **J. M. McFARLAND & Son**
Watertown 2 Wisconsin

HOLSTEIN BULLS and HEIFERS

7 choice, high grade heavy springer heifers from record dams and sire. Also selected bulls ready for service from Pathfinder son and high record cows.
W. H. MOTT, Herington, Kansas

HOLSTEIN HEIFERS

30 Springer 1st-calf heifers, 1,150 lbs., freshen September. Choice quality.

HUGH WHITE, 85th — 69 Highway
Overland Park, Kansas
(South edge Kansas City)
Phone: Hedrick 2352

Holsteins Sunnymede Farm

See our milking daughters of "Burke"

Senior Sire

Pabst Burke Lad Star

Sire: Wisconsin Admiral Burke Lad
Dam: Ollie Lady Star Nettle
Sons of Pabst Burke Lad Star available.
For increased production use "Burke's".
C. L. E. EDWARDS, Rt. 9, Topeka, Kan.

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.

● AUCTIONEERS ●



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Auctioneer and Complete Sales Service
Write, phone or wire
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LIVESTOCK AND REAL ESTATE
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Ross B. Schaulis, Auctioneer
Purebred Livestock. Real Estate and Farm Sales. Ask those for whom I have sold.
CLAY CENTER, KANSAS

You Will Be Well Repaid by Attending the

DAVIS HEREFORD FARMS

First Production Sale of Quality Registered Herefords at

Cameron, Mo.

Wed., Sept. 20

at farm 1 mile north on U. S. 69 to sign.

50 LOTS—75 HEAD

Including 2 well bred herd sires: Helmsman Mixer—a top son of the famous Bianchi Hereford Ranch Register of Merit herd sire, WHR Helmsman 87th; T. Bocaldo Rupert 2nd—a good breeding son of the outstanding FRC Duo Rupert 4th.

Featuring the Get and Service of the 2 above sires and EHR Royal Ensign 15th, reserve bull we purchased from Hi-Point Farms in the Denver sale.

25 Cows with calves at side and rebred — 8 Yearling Heifers
5 Yearling Bulls—several herd bull prospects.

This is an offering you will like—get your name on the catalog mailing list now—Address:

DONALD J. BOWMAN, Sales Manager, Hamilton, Missouri
DAVIS HEREFORD FARMS, Cameron, Missouri

YES, THE HERD SELLS—

FRIDAY, SEPTEMBER 22 is the DATE of the CLIFFORD BELL, JR.

Estate Dispersion Sale

Pulaski, Iowa

150 Lots of Royally Bred Registered Herefords Sell

25 Bulls—30 Bred Heifers—20 Open Heifers—75 Cows, nearly all with calves at foot by sale day by WHR Resolute 55th (pictured) and rebred to him. He also sells. Heifers bred to WHR Regality 64th, junior herd sire from the 1950 WHR champion carlot at Denver—he also sells.

Write today for catalog and reservations.

CLIFFORD BELL, JR., ESTATE, Pulaski, Iowa
Clifford Bell, Sr., Administrator
Auctioneers: Thompson, Chandler and Pettit Donald J. Bowman for Kansas Farmer

Announcing the Complete Dispersion of the

PULLMAN STOCK FARM

Reg. Polled Hereford Herd

Sidney, Iowa

Thursday, September 21

Sale at the Radio Sales Pavilion

Shenandoah, Iowa

59 LOTS — 80 HEAD

Featuring the blood of CMR Rollo Domino Jr. and Battle King Domino. 33 Cows, many with calves at side.

12 Heifers — 11 Bulls

This herd has produced several Iowa State and Midwest Sale champions. A great concentration of CMR Rollo Domino Jr. blood.

J. H. PULLMAN, Sidney, Iowa
Write now for catalog to Donald J. Bowman, Sales Mgr., Hamilton, Mo.

COMPLETE DISPERSAL MEADE AYR FARMS

REGISTERED AYRSHIRES

Meade, Kansas

Monday, September 25 at 12 Noon

75 of the breeds best. This is one of the nation's best herds and an opportunity of a lifetime to buy them at your own price. Foundation stock, calf club heifers, herd building animals from baby heifer calves to the breeds best living sires. Health—Tb. and Bang's tested.

Byron Fisher, Owner
For catalog write to Frank V. Lile, Sales Manager, Bellefontaine, Ohio
Auctioneers: Col. George Roberts, Meade, Kan.; Col. Joe Lile, Bellefontaine, O.

COMPLETE DISPERSION OF BROWN SWISS CATTLE

September 26—1 P.M.

At the farm 5 miles south of White City and 3/4 mile west, 13 miles northeast of Herington, 18 miles northwest of Council Grove, 5 miles north and 3/4 west of Highway 50 on White City road.


20 HEAD OF REG. BROWN SWISS. This is a small but very select herd of high quality and good breeding. There are 10 cows all good ages sired by a son of James Royal, 4 2-year-old heifers sired by a grandson of Colonel Harry, 6 yearling heifers by the same sire. They are all line bred Jane of Vernon. Our herd sire a three-year-old bull sired by Demonstrator who is in turn sired by the great Colonel Harry. A good individual. Also an extra good saddle mare, 5 years old and well broke.

J. C. SCHUBERT & B. N. WERNER, Owners
Mike Wilson, Auctioneer

Public Sales of Livestock

- Aberdeen-Angus Cattle**
September 23—Harrison County Missouri Breeders' Association, Bethany, Mo. H. R. Sheets, Manager, Eagleville, Mo.
October 7—Northeast Kansas Aberdeen-Angus Association, Harry Dandlker, Sale Manager, Hawatha, Kan.
October 18—Heart of America Show and Sale, American Royal Building, Kansas City, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
October 28—Karl & Henry Zimmerman, Maryville, Mo.
October 30—Wyman Berry Dispersion Sale, Marysville, Mo. (Sale at Albany, Mo.) Donald J. Bowman, Sales Manager, Hamilton, Mo.
November 9—Kansas State Angus Association Sale, Hutchinson, Kan., State Fairgrounds, Don Good, Secretary, Kansas State College, Manhattan, Kan.
November 16—Kansas Aberdeen-Angus Breeders Sale, Hutchinson, Kan., Don Good, Secretary, Manhattan, Kan.
December 14—Kansas Aberdeen-Angus Breeders' Association, Dodge City, Chet Bare, Sale Manager, Protection, Kan.
- Ayrshire Cattle**
September 23—Nebraska Ayrshire Breeders' Association Sale, Lincoln, Nebr.
September 28—Hand's Ayrshires, Walter D. Hand, Mulvane, Kan.
October 24—Mid-Kansas Ayrshire Sale, Newton, Kan.
- Brown Swiss Cattle**
September 26—J. C. Schubert & B. N. Werner, White City, Mo.
October 18—Tri State Breeders' Sale, Topeka, Kan. Ross R. Zimmerman, Secretary, Abbyville, Kan.
- Guernsey Cattle**
September 15—Clarence A. Blumenshire, Clearwater, Kan.
October 4—W. W. Graber, Pretty Prairie, Kan.
October 25—Kansas State Guernsey Sale, Hutchinson, Kan., Write C. J. Graber, Newton, Kan., for catalogs.
- Hereford Cattle**
September 18—C. M. Sheehy, Richards, Mo. Sale at Nevada, Mo.
September 20—Davis Hereford Farms, Cameron, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
September 22—Clifford Bell, Jr., Estate Dispersion, Pulaski, Ia.
September 27—The 4-State Registered Hereford Consignment Sale, Joplin, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
October 5—The Tony Express Registered Hereford Consignment Sale, St. Joseph, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
October 14—CK Ranch Calf Sale, Brookville, Kan.
October 20—R. D. Ely Hereford Production Sale, Attica, Kan.
October 30—John Spencer Dispersion, Wetmore, Kan. Sale at Marysville, Kan.
November 2—Loren Porter, Quinter, Kan.
November 3—Cowley County Hereford Breeders Sale, Arkansas City, Kan.
November 9—Fint Hills Hereford Sale, Cottonwood Falls, Kan.
November 11—W. H. Tonn & Son, Haven, Kan.
November 14—Sunflower Futurity, Hutchinson, Kan. Gene Watson, Sale Manager.
November 18—Dickinson County Hereford Breeders Sale, Abilene, Kan. V. E. McAdams, Secretary, Abilene, Kan.
November 24—J. Schuetz and Wm. Belden, Horton, Kan.
November 27—Sumner County Hereford Breeders' Association, Caldwell, Kan.
November 29—Lincoln County Hereford Breeders' Association, Sylvan Grove, Kan. Jim Wright, Secretary, Hunter, Kan.
December 6—All Tredway Hereford Sale, Oakley, Kan.
December 8—South Central Sale, Newton, Kan. Phil H. Adrian, Moundridge, Kan.
December 8—Harvey County Breeders Sale, Newton, Kan. Phil Adrian, Secretary.
December 14—Harry Schlickau, Harper, Kan.
- Polled Hereford Cattle**
September 21—J. H. Pullman Dispersion, Sidney, Ia. (Sale at Shenandoah, Ia.) Donald J. Bowman, Sales Manager, Hamilton, Mo.
October 10—John Stumps & Son Dispersion Sale, Bushton, Kan.
October 21—Mid-West Polled Hereford Breeders' Association Sale, Deshler, Nebr. Fred C. Duey, Sale Manager, Chester, Nebr.
November 15—Central Kansas Polled Hereford Association, Herington, Kan. O. J. Schields, Secretary.
December 11—Kansas Polled Hereford Breeders' Sale, Hutchinson, Kan., Vic Roth, Sales Manager, Hays, Kan.
- Holstein Cattle**
September 6—Neilhart Farms Dispersion, Lyndon, Manager, Nickerson, Kan.
September 18—C. M. Sheehy, Richards, Mo. Sale at Nevada, Mo.
September 26—S. W. Burnham Dispersion, York, Nebr. T. Hobart McVay, Sale Manager, Nickerson, Kan.
October 2—Missouri Breeders' Association, Springfield, Mo. James E. Crosby, Jr., Secretary, Columbia, Mo.
October 4—W. W. Graber, Pretty Prairie, Kan.
October 23—Central Kansas Holstein Breeders Sale, Hutchinson, Kan. T. Hobart McVay, Sale Manager, Nickerson, Kan.
November 2—Kansas State Holstein Sale, Herington, Kan. Raymond Bollman, Edna, Kan., Chairman of State Sale Committee.
November 6—North Central Kansas Holstein sale, Washington, Kan. George F. Mueller, chairman sales committee, Hanover, Kan.
- Shorthorn Cattle**
October 26—North Central Kansas Shorthorn, Beloit, Kan. Edwin Hedstrom, Sale Manager, Mankato, Kan.
October 31—Mid-Kansas Breeders' Association, Salina, Kan. Mervin F. Aegerter, Sales Manager, Seward, Nebr.
November 4—Hartley Stock Farm, Baxter Springs, Kan. Mervin F. Aegerter, Manager, Seward, Nebr.
November 10—Kansas Shorthorn Breeders Sale, Hutchinson, Kan. Lot Taylor, Sale Manager, Manhattan, Kan.
- Red Poll Cattle**
October 27—Tri-State Breeders consignment sale, Topeka, Kan. John E. Leopke, Sales Manager, Fenalosa, Kan.
- Milking Shorthorn Cattle**
October 20—Kansas State Milking Shorthorn Sale, Hutchinson, Kan. C. O. Heidebrecht, Sale Manager, Inman, Kan.
October 21—Nebraska State Milking Shorthorn Sale, Fairbury, Nebr.
October 21—Nebraska Milking Shorthorn Fall Sale, Fairbury, Nebr. Max Kimmerling, Sale Manager, Beatrice, Nebr.
October 25—North Central Kansas District Milking Shorthorn Sale, Salina, Kan.
November 9—McPherson County Milking Shorthorn Sale, C. O. Heidebrecht, Secretary, Inman, Kan.
- Polled Shorthorn Cattle**
October 9—F. T. Brown & Son, Oxford, Nebr. Mervin F. Aegerter, Sale Manager, Seward, Nebr.
November 9—Kansas State Polled Shorthorn Breeders Sale, Hutchinson, Kan. Lot Taylor, Sale Manager, Manhattan, Kan.
- Hampshire Hogs**
September 19—Kansas Hampshire Swine Breeders, Hutchinson, Kan.
October 14—Registered Hampshire Hog Auction, John Fruit, Paola, Kan.
October 21—R. E. Bergsten & Sons, Randolph, Kan.
November 25—Northwest Missouri Breeders' Association, St. Joseph, Mo. F. B. Houghton, Secretary, Maryville, Mo.

Beef CATTLE



Buy MISSOURI ABERDEEN-ANGUS

65 Reg. Angus Females Sell at Bethany, Mo., Sept. 23

15 CONSIGNORS

Sell 50 cows each with a big lusty calf at side. 15 open heifers. Some of the breeds best bulls are owned by members of this association.

For sale catalog write to **HARRY R. SHEETS, Sale Manager** Eagleville, Mo.
This sale sponsored by **Harrison County Missouri Angus Breeders' Association**
Auctioneer: Roy G. Johnston

FOR SALE

REG. ANGUS BULLS

Herd sire, 4 years old, Bandoler breeding and 10 Yearling Bulls.

JOHN MOORMAN
Hutchinson, Kan. Phone 5462

Spencer Herefords

Sires in service CK Royal Duke 3rd, reserve champion bull 1948 Kansas Futurity, M. H. Royal Tredway 93rd by WHR Royal Tredway 8th. We have sons and daughters of these 2 great bulls in our herd that look like real prospects. Our cow herd consists mostly of descendants of Advance Standway cows from the Gordon-Hamilton herd purchased by us in 1945.

Watch for our dispersion sale this fall.

JOHN SPENCER
Whiting, Wetmore, Kan.

WALNUT VALLEY HEREFORD RANCH

Bulls—Registered Herefords—Heifers 12 bulls one year old, several herd bull prospects and top range bulls. Popular bloodlines and prices. 10 open heifers 15 months old, a quality set.

WAITE BROTHERS, Winfield, Kansas

DISPERSING on Account of My Age and Planned Retirement at PRIVATE TREATY

Registered Herefords—Straight Hazlett and WHR Star Domino breeding. 47 cows, 17 two-year old open heifers, 21 yearling heifers, and 25 bulls.

P. F. HANSEN, Hillsboro, Kansas

POLLED HEREFORD BULLS and HEIFERS

9 to 15 months old.

GEORGE L. RIFFEL & SON
Hope, Kansas

POLLED HEREFORD HERD BULL

for sale or trade. Four years old. Large, extra good quality.

H. A. SOMMERFELD
Canton, Kansas

POLLED HEREFORDS FOR SALE

Featuring the get of M. P. Domino 88th. 5 Bulls and 7 Heifers, weaning age. 5 Cows Advanced Domino breeding.

Glenn J. Biberstein & Son, Attica, Kan., Ph. 3708

Double Standard Hereford Bull

3 years old. Domino breeding. Registered. See or write **CLIFTON HOSTERMAN** Rt. 1 (7 miles south) Admire, Kan.

We Now Have for Sale a Fine Group of YOUNG BULLS

Ranging in age from 10 to 14 months old. Nice reds and roans and bred by Prince William 20th. See our show herd at Belleville and Topeka.

GLENN E. LACY & SON
Miltonvale, Kansas

The SOUTHEAST COLORADO SHEEP AND SWINE BREEDERS' ASSOCIATION held their sale August 12 at Las Animas. The general average of the 27 head sold was \$94.50. Bert Atarrett, of Lamar, Colo., bought the top boar. Tom W. Beede, Las Animas, purchased the top gilt. This offering was presented in excellent condition. The quality of the hogs was the best since this association was organized 6 years ago. Tom W. Beede managed the sale. Frank Ray was the auctioneer.

SHEEP

COLUMBIA AND SUFFOLK SHEEP SALE
Saturday, September 23
10 A. M.

Milan, Missouri
Sales Barn
500 Head Selling
 50 Registered Columbia Ewes
 200 Choice Unrecorded Columbia Ewes
 20 Registered Suffolk Ewes
 75 Large Grade Ewes
 20 Registered Columbia Stud Ram Prospects
 125 Yearling and Lamb Unrecorded Columbia Rams
 1 Imported English Ram Lamb
 Write for catalog to
E. B. THOMPSON RANCH
 Milan, Missouri

MID-CENTURY SUFFOLK AND HAMPSHIRE BRED EWE SALE
Monday, September 25

100 Head of International Championship Breeding
 For catalog write
WM. F. RENK & SONS
 Sun Prairie, Wisconsin

Chappell's Shropshires

Thirty years of constructive breeding. Now offering our greatest production of rams and ewes. Show rams and ewes. Stud rams and foundation ewes. **CHAPPELL'S FARM**, Green Castle, Mo.

Yearling Shropshire Rams

Another bunch of husky rams ready to go. **D. V. SPOHN**, Superior, Nebr.

MYERS SHROPSHIRE

30 years a breeder. Will exhibit at Topeka Free Fair and State Fair at Hutchinson. Breeding stock, all ages for sale.
C. G. MYERS, Rt. 5, Memphis, Mo.

HOGS

Outstanding DUROC BOARS and OPEN GILTS
Selling October 7
 at the farm

Sired by
Eureka and Golden Monarch
 Eureka sired the following 1949 winners. \$1,000 Colorado grand champion boar, recently sold for \$1,500, junior champion boar at both Topeka and Hutchinson, reserve grand champion barrow over all breeds at Topeka, first place gilt State Breeders Show and Sale. Golden Monarch, is brother of mother of world's champion bred sow, this champion sow carries 2 bloodlines of Huston breeding.
WILLIS HUSTON, Americus, Kan.
 Bert Powell, Auctioneer
 Mike Wilson for Kansas Farmer

Announcing
KANSAS STATE DUROC BREEDERS BOAR & GILT CONSIGNMENT SALES

Horton, Kan., October 10
Abilene, Kan., October 14
 100 head to sell in both sales. Consignments now being received. Write today for entry blanks. If interested in membership write today to secretary. Plan to consign your best to the states biggest swine events.
HERMAN POPP, Secretary
 Haven, Kansas

EXCELLENT DUROC GILTS

Bred for September, October and November farrow to King of Diamonds, Perfect Trend, Deets King, Choice Fall and Spring Boars of popular breeding unequalled for ability to produce top quality and conformation. Write today for complete information and prices, or come. Durocs only since 1904.
G. M. SHEPHERD, Lyons, Kansas

Duroc Hogs
 September 18—C. M. Sheehy, Richards, Mo. Sale at Nevada, Mo.
 October 4—U. S. Center Duroc Association, Smith Center, Kan. Vern V. Albrecht, Secretary, Smith Center, Kan.
 October 7—Willis Huston, Americus, Kan.
 October 10—Kansas State Duroc Breeders' Boar and Gilt Consignment, Horton, Kan.
 October 11—(Night sale) Fred Farris, Faucett, Mo.
 October 14—Kansas State Duroc Breeders' Boar and Gilt Consignment, Abilene, Kan.
 October 23—Irvin French, Sparks, Kan.

Chester White Hogs
 October 10—(Night Sale) Roy Koch, Bremen, Kan. Sale at Marysville.
Poland China Hogs
 October 7—N. L. Farmer, Platte City, Mo.
 October 18—Kansas State Poland China Breeders Sale, Hutchinson, Kan. Ray Saylor, Sale Manager, Manhattan, Kan.

Spotted Poland China
 October 24—K. F. H. W. Spotted Poland China consignment sale. State fair grounds, Hutchinson, Kan. Dale Konkell, Manager, Havieland, Kan.
 October 31—Kansas Spotted Poland China Breeders Sale, Hiawatha, Kan.

O I C Hogs
 October 26 and 27—The United States Mid-Western O I C Swine sale, Hutchinson, Kan. State fair grounds. Vernon Zimmerman, Sale Manager, Inman, Kan.

Berkshire Hogs
 October 23—Kansas Berkshire Breeders' Association Sale and Show, Wichita Sale Pavilion. George D. Carpenter, Secretary, Clay Center, Kan.

Yorkshire Hogs
 September 29—Merritt Cook, Nemaha, Ia.
Hampshire Sheep
 September 11—Central Missouri Breeders' Association, Fayette, Mo. E. C. Dugan, Secretary, Booneville, Mo.

Suffolk Sheep
 September 23—E. B. Thompson Ranch, Milan, Mo.
Suffolk and Hampshire Sheep
 September 25—Wm. F. Renk & Sons, Sun Prairie, Wis.

Columbia Sheep
 September 23—E. B. Thompson Ranch, Milan, Mo.

Breeding Service Unit Dedicates Headquarters

Dedication ceremonies for headquarters of the Kansas Artificial Breeding Service Unit will be held on Labor Day, September 4, at Kansas State College, Manhattan. Earl L. Farmer, KABSU director, announces the event will be held at the site of the newly-completed buildings, one mile west of the campus. About 3,000 dairymen and other visitors are expected.

The new headquarters includes a barn to house 29 bulls, a semen-processing laboratory, power exerciser, office space, and living quarters for a technician. KABSU has been in operation 4 months. Semen for more than 9,000 animals has been provided. That unit supplies semen to 47 independent, self-supporting associations in Kansas.

Farm Real Estate Values Continue Upward

Farm real estate values continue upward, reports the U. S. Department of Agriculture. From March, 1950, to July, 1950, values rose 2 per cent. Increases in 34 states ranged from 1 to 3 per cent in most states. U. S. land values are only 3 per cent below the peak reached in November, 1948. Kansas showed a 1 per cent increase, the USDA report shows.

Soil Cover Important

During the season of heaviest rainfall during the period of crop growth, a soil cover of crops or crop residues is especially important, comments L. B. Olmstead, agronomist at Kansas State College. Such a soil cover should be provided over as great a part of the year as possible, but the above period is most important. The pounding of raindrops upon a bare soil surface is injurious to the structure and tilth of most soils.

Ewes Need Some Grain

A little grain 4 to 6 weeks before lambing time is good for farm ewes, R. B. Cathcart, animal husbandry department, Kansas State College, points out. Ewes should be in good condition, but not overly fat.

About 1/2 pound of a grain mixture of equal parts corn and oats per head daily is an economical mixture. Another simple mixture consists of 2/3 oats and 1/3 bran by weight. Some flock owners also use a small amount of cane or beet molasses.

Order Dairy Heifers

Interest in more and better livestock in Southeast Kansas is showing up in the dairy field as well as beef, sheep and hogs. Russell Klotz, Labette county agent, held a dairy heifer purchase meeting in the county recently. He reports farmers attending the meeting requested 76 head of dairy heifers and he expected the total figure to be near 100 head. The heifers were to be purchased from Wisconsin.

AUCTION — DUROCS, HEREFORDS AND HOLSTEINS

It is not too early to write for our catalog of our **SEPTEMBER 18 SALE** which will be held at the **Welty Sales Pavilion, NEVADA, MO.**



27 Holsteins

These are high quality young Wisconsin Holstein cows.



25 Reg. Herefords

10 head of bulls, service age. 15 cows with their first calves at side.



45 Reg. Durocs

25 spring boars. 20 bred gilts most of them will have litters at side by Missouri Drama by Drama, 1st fall boar Indiana State Fair 1949.

Farm 1 mile southwest of Stottsburg, Mo.—Visit us.
C. M. SHEEHY & SON, RICHARDS, MISSOURI

BANBURY'S POLLED SHORTHORNS

Note—"Cherry Hill Herd" lead all herds at the Chicago International Show. Our herd sire—Cherry Hill Hallmark—new blood and of the best. See his get at Kansas State Fair.

Males and females—Some of the choicest of the herd for sale. Over 100 in herd officially vaccinated.
 Farm—23 miles southwest of Hutchinson, 1 mile west of Plevna.

J. C. BANBURY & SONS, Plevna, Kansas



CHERRY HILL HALLMARK

ANNOUNCING THE KANSAS HAMPSHIRE HOG BREEDERS ASSOCIATION 4TH ANNUAL CONSIGNMENT SALE

of Bred Gilts, Spring Boars and Open Gilts. Immediately following the Hampshire judging **Tuesday afternoon, Sept. 19**

at the **Kansas State Fair**
Hutchinson, Kansas



This offering will consist of hogs selected from the leading herds in Kansas. Many of the sale animals will be show prospects and will be exhibited at the State Fair. Those of you breeders who have not yet made your entries do so immediately by contacting Carl G. Eiling, Secretary-Treasurer and Sale Manager, Manhattan, Kan.
 Col. Bert Powell, Auctioneer
 Mike Wilson for Kansas Farmer

HOGS

Spring Duroc Boars

Sired by Safe Bet, son of First Base, grandson of Fleetline. We sold High Flyer to Weldon Miller. Choose your next herd boar here.
Chas. Streeter, Riley, Kan.

DUROC BRED GILTS

From a top sow herd and bred to Royal Fleet Line 1st and the 49er Nebraska Junior Champion. A few are bred to New Design. Also spring pigs.
B. M. HOOK & SON, Silver Lake, Kansas

SPOTTED POLAND BRED GILTS

For Sale—Purebred Spotted Poland China bred gilts. Tops in quality and breeding.
 Inquire of
CARL BILLMAN, Holton, Kansas

REGISTERED POLAND CHINA SPRING BOARS AND GILTS

Sired by Sparkle, Manchu's Pride and Bucks Model. Good individuals. Double immune. Priced right and ready to go.
GLENN F. WISWELL
 Springhill, Kansas

REG. SPOTTED POLANDS

Extra nice spring boars. Diamond X breeding. See them at the Topeka Free Fair or write **SUNNYBROOK FARM, Richland, Kansas**
H. E. Holliday

REGISTERED SPOTTED POLAND CHINA Boars and gilts sired by four leading boars: Raymond's Rocker, Television, Hi Vigor and Kelly Kid. Double immune. For information write or call. **GEO. RAYMOND, Garnett, Kan.**

REGISTERED SPOTTED POLAND CHINAS Choice Spring Boars and Gilts with plenty of length, deep sides and deep full hams, sired by Pawnee King and Blue Ace. Four merit litters. Double immune.
J. V. CUNDIFF, Talmage, Kan. (4 1/2 miles N.)

Buy From
KANSAS FARMER
 Advertisers
 For Practical Farming
 and Pleasant Living

HOGS

100 YORKSHIRES AT AUCTION
Fri., Sept. 29, 1 P. M.
Nemaha, Iowa
(Sac County)

Boars, gilts, bred gilts and sows with litters. A select offering of best English and Canadian bloodlines. Within driving distance of Kansas buyers. Satisfaction guaranteed on mail and phone bids. For detail catalog with pictures write, mentioning Kansas Farmer,
MERRITT COOK, Nemaha, Iowa

IT'S A FACT

Gentle Chester Whites Farrow, Raise Larger Litters That Gain Faster on Less Feed—Profitably Produce More Meat Type Market Toppers. For Facts, Write
CHESTER WHITE SWINE RECORD ASS'N
 Levi P. Moore, Sec'y ROCHESTER, IND.

ETHYLEDAL FARM Improved for type and bigger litters. Best of breeding. Choice fall boars and fall gilts ready to go.
DALE SCHEEL
 Emporia, Kan., Rt. 2

REGISTERED MINNESOTA No. 1 SPRING BOARS AND GILTS
 Sired by boar from University of Minnesota herd with excellent record of production. Gained 100 lbs. on 295 lbs. of feed.
GERALD FARR, Beloit, Kansas

September 16
Will Be Our Next Issue
 Ads for the Classified and Livestock Section must be in our hands by **Friday, September 8**
 If your ad is late, send it in Special Delivery to 912 Kansas Ave. Kansas Farmer, Topeka, Kan.

Livestock Advertising Rates
 1/2 Column inch (5 lines) ... \$3.00 per issue
 1 Column inch ... \$4.00 per issue
 The ad costing \$3.00 is the smallest accepted.
 Publication dates are on the first and third Saturdays of each month. Copy for livestock advertising must be received on Friday, eight days before.
MIKE WILSON, Livestock Editor
 912 Kansas Avenue
 Kansas Farmer - - Topeka, Kansas



The Tank Truck



Noel Nichols, veteran of 2 wars and helper on the Schulmeister farm, loads alfalfa seed into the planter. The alfalfa feeds a herd of Holsteins.



Mr. and Mrs. Frank Schulmeister and son, Bill, who call the Great Dane "Panche." Mrs. Schulmeister was recently a prize-winner on the radio program, R.F.D. America.

Old Fashioned Jelly Roll



By Mrs. Lee May
Rockland, Idaho

$\frac{3}{4}$ cup sifted flour
 $\frac{1}{4}$ teaspoon baking powder
 $\frac{1}{4}$ teaspoon salt
4 eggs (at room temperature)

$\frac{3}{4}$ cup sugar
1 teaspoon vanilla
1 cup tart red jelly

Sift flour once and measure. Combine baking powder, salt and eggs in bowl. Beat, adding sugar until mixture becomes thick and light-colored. Fold in the flour and vanilla. Turn into 15 by 10 inch pan which has been lined with paper. Bake in hot oven (400° F.) 13 minutes. Turn cake out on cloth or towel, dusted with powdered sugar. Remove paper and cut off crisp edges of cake. Roll cake and cloth together and let cool for about 10 minutes. Unroll, spread cake with jelly, and roll again.

Send your favorite recipes to Mrs. Annie Lee Wheeler, Dept. E, Conoco Cafeteria, Ponca City, Oklahoma. A \$7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

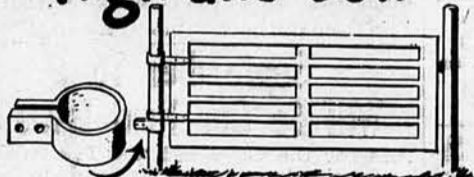
FARM KITCHEN

Keep Feed Moving

Feed won't clog up in self feeders when chains are run from grain bin into feeding trough, says Gene E. Morris, R. 1, McCallsburg, Iowa. Hogs will work the chains around, loosening grain.



High and Low



Here's an adjustable gate that is easily set at any height. Gate hinges slide up and down on pipe post set in cement. Tighten collar under lower hinge to raise gate, let hogs through, hold back cattle, suggests Don Peuser, Bucyrus, Kans.

PRIZES FOR IDEAS!

Send your original ideas to *The Tank Truck*, Dept. E, Continental Oil Company, Ponca City, Okla.—and get a genuine \$8 D-15 Henry Dieston Hand Saw for every idea that's printed!

Farming Is a Family Job!

Forty years on the same farm . . . that's the story of the Schulmeister family. But things have changed mightily in those 40 years. Today, the 300 acres, 4 miles south of Albuquerque, N. M., are completely irrigated and the oats, barley, corn and alfalfa are planted and harvested with machinery.

Mrs. Schulmeister has had her part in improving the lot of the family, too. Through the aggressive efforts of her and other women like her, students at the nearby Mountain View school have good hot lunches every day.

Frank started using Conoco Products when he bought his first tractor. That was 15 years ago. "Conoco oils, greases and gas have given me excellent service through the years that I have used them," he says.

The Schulmeisters are typical of American farm families, who have used modern machinery and up-to-date ideas to get more out of rural living. They are typical, too, of the thousands of farm families who have used Conoco Products to get more out of the machinery on their farms.

It's Super for Long Lasting Power!

★ ★ ★

Engine wear is the thing that reduces the power of your farm equipment, and uses up the fuels and lubricants. Cut down on engine wear, and you can keep your tractors, trucks and automobiles running like new for years and years.

And here's a way to do it. In a recent punishing 50,000-mile road-test, new Conoco Super Motor Oil conclusively proved it is the great new modern wear-fighter. At the end of the 50,000-mile test, engines lubricated with Conoco Super Motor Oil showed no wear of any consequence . . . in fact, an average of less than one one-thousandth of an inch on cylinders and crankshafts!

And as for economy . . . gasoline mileage for the last 5,000 miles of the test was as good as for the first 5,000 miles . . . actually there was an average difference for the fleet of only 4/100 of a mile per gallon.

The 50,000-mile test proved that Conoco Super Motor Oil, with proper crankcase drains and regular care, can keep your farm equipment performing like new. Conoco Super OIL-PLATES engines to protect them from wear. Conoco Super Motor Oil can make your truck, tractor and car last longer, perform better, and use less fuel and lubricants. Call Your Conoco Man today . . . he'll bring you a drum or a 5-gallon can of Conoco Super Motor Oil in a jiffy.



For the Story of "50,000 Miles-No Wear" call YOUR CONOCO MAN!