

# Kansas Farmer

CONTINUING MAIL & BREEZE

APRIL 17, 1948



Plenty of Fun at a Box Supper . . . See Page 6



# You can tell about pull

**before buying tires**



**It's plain common sense** that a tractor tire pulls only as well as its lug bars dig into the soil.

**That's why you can tell** about a tire's ability to pull *before* you buy and try it. *Just study the tread*—it reveals the truth about traction.

**Look, for example,** at the Goodyear Sure-Grip pictured here and you see that its lugs are unconnected—o-p-e-n at the center. That gives each separate lug its own bite edge right in the traction zone, where it counts most in pulling.

**You can tell at once** that as each Goodyear lug meets the ground it cuts through stubble and digs in *full length, full depth*. That's the major reason why this tire grips and pulls bet-



ter than connected-bar tires—as scientific tests and years of farm experience have proved.

**Take another look** and you see the balanced design of the Goodyear tread: *all* lugs uniform in length and spacing on BOTH sides of the tread. FOUR lugs are always pulling in the ground—a matched pair on each side. This, you can see, permits no "blind spots" to cause slip and excess wear—no uneven contact *anywhere* to bring on jolting, jarring rides.

**It will pay you** to study the tread before buying *any* tires as replacements or for your new tractor. Then you can SEE, *before spending your money*, how well those tires will work—and why Goodyear o-p-e-n c-e-n-t-e-r Sure-Grips are your best buy.

Sure-Grip—T. M. The Goodyear Tire & Rubber Company

# GOOD YEAR

## Sure-Grip Tractor Tires



## Save Wheat In Storage

**M**ORE than 97 million bushels of wheat stored on Kansas farms may be exposed to insect infestation unless proper precautions are taken, warns the U. S. Department of Agriculture.

Most grain infestation occurs, the department states, in farm storage where insects abound in wooden bins and in old leftover feed and grain around and in farm buildings.

Saving farm-stored grain from insect damage is outlined as a sevenfold job:

1. Hold field infestations to a minimum.
2. Destroy field infestation as soon as grain is placed in storage.
3. Provide insect-free and weather-proof storage.
4. Keep insects from living in or near farm bins.
5. Have grain dry and free from dust and broken kernels.
6. Inspect stored grain frequently.
7. Fumigate infested grain.

Grain that is infested or that is heating because of insect infestation, must be fumigated while in the bin. Surface of the grain should be level and at least 6 inches below the top of the bin. If the surface is caked or webbed, it should be broken up by raking to a depth of several inches.

If possible, fumigants should be applied from outside the bin by means of a bucket pump or other type of sprayer as vapors are harmful to humans.

Fumigants recommended are the 3-to-1 mixture of ethylene dichloride-carbon tetrachloride, or the 1-to-4 mixture of carbon disulphide and carbon tetrachloride. Dosages recommended are 6 gallons for each 1,000 bushels of grain in tight, well-built bins. For shallow, or more loosely-built bins, or for treating grain sorghums, the dosage should be increased to 8 gallons.

## Holstein Show

The All-State Holstein-Friesian Show will be held at Hutchinson, May 10, sponsored by the Hutchinson Chamber of Commerce and the West-Central district. Officers of the State Holstein Association, are: Edward Reed, Lyons, president; Quentin Kubin, McPherson, vice-president; T. Hobart McVay, Nickerson, secretary-treasurer; Kenneth W. Phillips, Manhattan, director at large.

## For a Quick Job

When painting a concrete floor, put the paint in a flat wide container and put it on with a janitor's push brush. It will spread evenly and make the job both easier and quicker.—J. H.

## Oil Follows Wire

When oiling machinery and I can't get the oil in a certain place, I put a piece of wire in my oil can. The oil will follow the wire to those places that are so hard to reach and I can do a more thoro job.—E. L.

## Senator Capper on Radio

Every Sunday afternoon at 4:15 o'clock Senator Arthur Capper discusses national questions over WIBV radio station.

## KANSAS FARMER

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## How Lambs Were Saved

### Garden City Tests Show Important Results

**D**EATH losses among lambs on full grain feed at the Garden City Branch Experiment Station were eliminated this year, by adding less than one-fifth ounce of sodium bicarbonate daily to the feed of each lamb.

This result was reported at the 14th Annual Lamb Feeders' Day, at Garden City, March 27, by Rufus Cox. He is in charge of lamb-feeding investigations for the Kansas State College animal husbandry department.

"However," warned Professor Cox, "this year was the first experiment with sodium bicarbonate and the work was on a small scale. More experiments along this line will be continued at the station. We believe results this year indicate that death losses from overeating can be reduced by use of sodium bicarbonate. But more work is needed to determine the minimum amount that will be effective. Also, we will experiment with several methods of feeding the sodium bicarbonate."

This year sodium bicarbonate was mixed with the feed. In future experiments Professor Cox plans to try giving it with salt and also with the drinking water.

Comparisons of different varieties of sorghum grain and roughage, including the new variety, Axtell, were included among this year's experiments. Dehydrated green sorgo fodder was fed in comparison with field-cured fodder, and dehydrated alfalfa in comparison with field-cured alfalfa, as well as with certain protein supplements.

Dried beet pulp was fed to replace from one half to all grain in the ration, in a series of tests, and beet molasses was fed in combination with grain.

#### Proved a Little Better

Westland milo grain proved slightly better than Axtell grain from the standpoint of both rate and economy of gains in a comparative test of these 2 sorghums. One lot was fed Westland milo grain, Axtell stover, cottonseed cake and ground limestone. The comparison lot received the same ration except that Axtell grain was substituted for Westland grain.

Lambs getting Westland grain gained .24 of a pound a day, while those on Axtell grain gained .23 of a pound daily. Final cost per hundredweight for Westland-fed lambs was \$21.09 compared to \$21.22 for those getting Axtell grain.

Feeding dehydrated alfalfa as a protein supplement instead of cottonseed cake increased daily and total gains, but made costs of gains the highest of any of the feeding combinations.

In 3 test lots, dried beet pulp was substituted for one half, three fourths and all the grain ration respectively. All 3 combinations brought slightly higher gains at lower costs than sorghum grains. When the price of dried beet pulp is comparable to that of grain, some saving will result by using beet pulp to replace part of the grain.

This year's tests showed that substituting dried beet pulp for all the grain was practical. Previous tests indicate that replacing all of the grain usually results in a decrease in the rate of gain. Professor Cox, basing his re-

marks on all tests, stated that the plan of using dried beet pulp was practical when it was substituted for from one half to three fourths of the grain ration.

Adding beet molasses to a ration of Westland milo, Axtell stover and cottonseed cake during the last 60 days of feeding did not increase the rate of gain, and increased materially the cost of gain, Professor Cox reported. His suggestion was that the molasses should be used thruout the feeding period rather than added later in the period.

Sumac stover gave slightly better results than Axtell stover, but both produced only about 73 per cent as much gain as alfalfa. Lambs refused to eat dehydrated sumac roughage and produced poor, expensive gains on it.

Lambs fed in this year's tests came from Northern New Mexico. They were good-quality, smooth, white-faced lambs weighing 70 pounds a head at the range loading point.

#### How Feed Was Charged

Feed prices, based on prices at the start of the feeding period, were charged as follows:

Westland milo and Axtell grain, \$3.10 a hundredweight; dried beet pulp, \$60 a ton; beet molasses, \$40 a ton; cottonseed cake, \$100 a ton; dehydrated alfalfa, \$80 a ton; alfalfa hay, \$20 a ton; sorghum stover, \$12 a ton; ground limestone, \$1 a hundredweight.

L. R. Byler, Cimarron lamb feeder, was a featured speaker on the afternoon program. He talked about handling lambs on wheat pasture.

"I like to buy 70-pound lambs of a hardy type," he said. "Farmers getting lambs for pasturing on wheat should have a holding area close to the unloading point, as lambs that are shipped any great distance greatly need a rest before being moved." Mr. Byler explained that he lets lambs run on dry feed near the unloading point for several days before moving them to pasture.

"Very little equipment is needed for pasturing sheep on wheat," Mr. Byler said. "You should have salt and water troughs, wire for corrals and a herder house. Everything possible should be done," he added, "to make the lambs contented."

Gains of 7 to 8 pounds a month for lambs on wheat pasture are common," said Mr. Byler, "but lambs running on wheat pasture with the ewe will gain up to 20 pounds every 30 days. "Wheat practically is a complete feed," he added, "and it is not necessary to feed supplements." Mr. Byler does give the lambs calcium and salt with the mixture containing one-third calcium and two-thirds salt.

"If wheat is not overgrazed, the plants actually are benefited by pasturing," Mr. Byler stated. "On an average, pastured wheat will produce up to 2½ bushels more grain an acre than ungrazed wheat."

Altho the crowd attending Feeders' Day was the smallest in years, due to a blizzard the preceding day, the audience included men from Kansas, Colorado, Oklahoma, Texas and Missouri.



This scene shows Henry Arnett, an employee at the Garden City Branch Experiment Station, feeding lambs used in this year's lamb-feeding experiments at the station. A total of 520 lambs was used in the tests.

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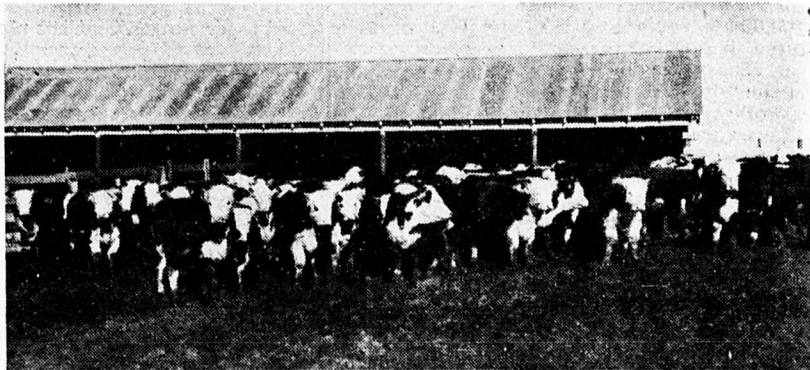
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## Needs Plenty of Roughage For His Deferred Plan



Being sure of a reserve supply of roughage made possible the deferred feeding of these good-quality steer calves on the farm of Frank Magette, Mitchell county. Mr. Magette has 2 large silos that are kept filled.

A GOOD reserve supply of roughage is stressed by Frank Magette, Mitchell county, in his deferred feeding program. He purchased his calves last October weighing an average of 492 pounds.

This winter he gave them all the silage they wanted, plus 4 pounds of alfalfa hay each daily and 2 pounds of grain. He has 2 large upright silos on the farm and raises all his roughage.

This spring the calves will go to grass until August 15 or September 1, then will be fed out in 90 to 100 days. Mr. Magette hopes to have these calves weighing 850 pounds off grass next summer.

He had 114 head of cattle last fall that were in the final feeding phase of his deferred program. They were purchased in September and October

of 1946, weighing an average of 356 pounds. These were wintered on 5 pounds of cob meal and all the hay they would eat. The heavy end were fed from April, 1947, to June, 1947, then sold. They weighed an average of 920 pounds.

The rest were grassed until October 10, 1947. Last fall they were caked on grass and fed silage. Starting in November, they were given 5 pounds of grain daily and this was moved up to 8 pounds daily in December. They were moved up to full feed by February 1 and were sold in March. Barley was used for grain and 3 pounds of hay fed daily with it.

These cattle were carried over a longer period, says Mr. Magette, in an effort to get maximum gains from silage.

## Legumes Do Well On Rough Upland

YOU wouldn't believe it unless you saw it. But Nick Heitschmidt, of Osborne county, has been successfully growing alfalfa and sweet clover on the roughest kind of tight upland soil in an area deficient in moisture.

He has 30 acres of alfalfa and 20 acres of sweet clover, and has his cropland divided to use 2 rotation programs. One rotation consist of wheat 2 years, feed one year, oats one year, milo one year, sweet clover 2 years, summer fallow, then back to wheat. The other consists of alfalfa 5 or 6 years, oats one year, feed one year, summer fallow, then back to wheat.

The secret of getting legume stands for him, says Mr. Heitschmidt, is inoculation of seed.

All clover is turned under for green manure. Alfalfa seed production on

this farm is unusually high. Mr. Heitschmidt harvested 7 bushels of seed an acre in 1943, none in 1944, 6 bushels in 1945, 5 bushels in 1946, and 6 bushels in 1947. He believes inoculation of the seed is responsible since it insured a heavy stand.

A flock of 250 Rambouillet ewes is maintained on the farm and lambs from these ewes are fed out for market. He prefers sheep to cattle for his farm because of the smaller feed requirements of the sheep. "For instance," he explains, "I plan on 2 acres of feed for each beef animal but carry 16 head of sheep for each acre of feed." Mr. Heitschmidt says his sheep pick up a lot of good food in his stubble fields, and do a good job of keeping the farm free of weeds. Sheep form a valuable livestock program on his farm.



These Rambouillet ewes, part of 250 on the farm of Nick Heitschmidt, Osborne county, utilize a lot of otherwise wasted roughage and keep the farm free of weeds.

## Good Results With Mastitis

EXCEPTIONALLY good results in treating mastitis with penicillin have been achieved by Dr. Charles W. Jackson, Iola veterinarian.

In acute cases, where no blood poisoning is present, Doctor Jackson explains he has been getting cures in about 75 per cent of affected animals. Sixty-five per cent of chronic cases have been cured of the diseases, where

the cow was in lactation at the time treatment was begun and remained in lactation during treatment.

Doctor Jackson defines a cow with chronic mastitis as one that is in good production but which occasionally shows signs of trouble. In such cases, he says, presence of actual mastitis usually is not known until the cow has

(Continued on Page 5)



pens to be checked while being tested for something else.

Such chronic cases are given 2 injections of penicillin 48 hours apart. Doctor Jackson gets best results with from 100,000 to 400,000 units of the drug diluted in a large amount of sterile water. Size of the dose depends on the size of the udder, he reports.

Following the first injection, Doctor Jackson has the herd owner skip one milking, and then milk out the cow 2 times before the second dose is administered 48 hours later.

The cow is tested again in 10 days after the second injection. If the disease is not cleared up the 2 injections 48 hours apart are repeated. The same goes for the milking procedure.

After another 10 days the cow is checked again. If clear, treatment is discontinued but the farmer is asked to recheck every 30 days. If the cow's milk is not clear, the 48-hour treatment is again repeated. Provided this third treatment is not successful the farmer is advised to remove the cow from his herd.

With cows having a tendency toward mastitis Doctor Jackson also has had good results treating just after they go dry. In such cases he shoots all 4 quarters with 100,000 to 200,000 units of penicillin in sterile water. This solution is left in the udder thruout the dry period so the animal's system can absorb the drug. Doctor Jackson believes this helps the cow build up a resistance to the disease. He reports there is no ill effect on the milk when the cow again becomes fresh.

Acute cases of mastitis are the easiest to treat, Doctor Jackson says. For such cases a single treatment with 100,000 to 400,000 units of the drug usually is sufficient.

## No Time Is Wasted

ALTHO the Norton county soil-conservation district has been organized only since May, 1946, much already has been accomplished, according to Guy Allen, president of the board of supervisors.

Applications for assistance have been received from 184 farmers operating 67,680 acres of land. Of this number, 124 farm plans on 45,505 acres have been developed and some conservation work done on each.

At the close of 1947, more than 217 miles of terraces had been constructed, 7,493 acres of contour cultivation and seeding had been established. About 2,300 pounds of native grass seed and about 4,000 pounds of tame grass and legume seed have been planted. There is immediate need for many times this amount, states Mr. Allen.

About 11,200 acres of native grass land in the county is under treatment. The district has a tree planter which will be used to set out 10,000 trees on 25 planned windbreaks this spring. The district also has an alfalfa seeder and a native-grass seeder mounted on a rotary hoe for use within the district.

Much other work has been done, says Mr. Allen, such as construction of diversions, irrigation development, planting cover crops, crop-residue management, rotating and deferred grazing and proper stocking of native ranges, gully control, establishing terrace outlets and waterways, stubble-mulch tillage, rotation hay and pasture, temporary pastures, mowing pastures, management of odd areas for wildlife and the construction of soil-saving dams.

All of these work hand in hand to comprise a well-balanced plan to reduce or control erosion in Norton county, Mr. Allen reports. Due to the need and the demand for construction work in the county, additional technical help is being sought from the S. C. S., says Mr. Allen. At present there are 2 full-time and one part-time technicians co-operating with the district.

## Almost Fly Time

Our bulletin, "The Homemade Fly Trap," gives instructions with illustrations for a good fly trap. Now is the time to make it. We shall be glad to fill orders as long as our limited supply lasts. Please address Farm Service Editor, Kansas Farmer, Topeka. Price 3c.

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HOUSES OUR CATTLE BETTER . . . AT HALF  
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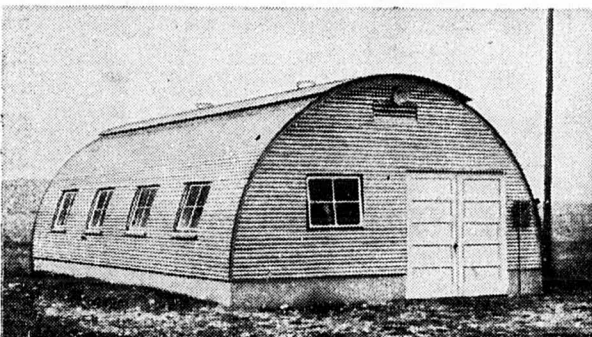
C. S. McReynolds, Elmac Hills Ranch, Gaylord, Mich.



## Other Quonsets Serve Other Uses



This Quonset 40 solves storage problems, saves labor, speeds operations for Mr. Crosby Manchester on his farm near Waynesfield, Ohio. It houses two trucks, three tractors, a jeep, a car and six steel-bed grain and utility wagons, with room to spare for winter storage and repair work.



Mr. Stephen S. Szustak, Batavia, N. Y., uses this Quonset 20 to house Hackney horses he breeds. It is equipped with five comfortable stalls, bright with gleaming brass fittings. "The high cost of building had me stymied, until I learned about Quonsets," says Mr. Szustak. "I'm well pleased with results."

Mr. McReynolds' postwar expansion plans called for at least 8,000 square feet of additional closed-barn space. Investigation proved that a Quonset offered more advantages than any other type of building . . . at about half the cost of a tile barn!

## ERECTED IN THREE WEEKS!

A crew of four men erected the Quonset Multiple in only three weeks. Interior adaptations, designed by the owner, include ten pens with a calf creep on one side, a hay mow and a squeeze machine for veterinary operations.

## WARMEST, LEAST DRAFTY, OF ALL!

The Quonset, which houses 80 pure-bred Hereford cows and their calves, is more exposed to cold winter winds than the tile and wooden barns also used. Despite this, Mr. McReynolds reports that it is the warmest and least drafty of all three buildings. The cattle are better housed in the Quonset, he says, than in either of the other barns!

\*REG. U. S. PAT. OFF.

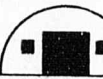
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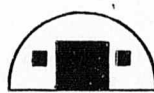
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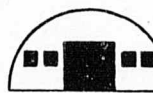
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QUONSET 40



QUONSET MULTIPLE

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Plenty of Fun at This . . .

# BOX SUPPER

By Dick Mann

**T**HEY still have whiff of some, family-type fun in rural communities. The little red schoolhouse, perhaps now making a last-ditch stand for existence, still is the center of rural community spirit and fun.

After years of living in towns and cities, I had almost forgotten the thrill of a country ice-cream social or box supper.

Thruout the country these days the trend is to separate young and old. This goes for religious education, for schooling and for entertainment. In the cities, anyhow, the theory is to take the child out of the home as soon as possible and subject him to the professional leader, who trains him in religion, education, and entertainment. Under this theory, the apparent role of parents is to supply human fodder for others to harvest. Many city parents encourage this because it is more convenient and certainly relieves them of a lot of responsibility. The trouble with the theory is that parents soon lose parental control and children lose the anchor of family ties and security.

I was thinking about all these things as, accompanied by County Agent Allan Goodbary and Home Demonstration Agent Evelyn Wilson, I drove out to Prairie View schoolhouse, in Allen county, to attend a combination program, box supper and pie supper, sponsored by the Sunflower 4-H Club.

We arrived a little late and already the road and school yard were full of cars. As we slipped into the vestibule and peeked thru the door into the room, we saw that a community business meeting was just being brought to a close. The room was jam packed with men, women and children of all ages. They occupied all the benches and chairs and overflowed into the aisles and around the sides of the room, even out into the vestibule.

Just inside the vestibule door there was the familiar kerosene stove with its huge pot of boiling water being readied for coffee. Inside were hanging the old familiar gasoline pressure lamps, since Prairie View school does not have electricity.

Seeing that the program was almost ready to start, Allan and I slipped around to the stage door to meet Harvey Lassman and Mrs. L. L. Baker,



Lee Osborn, singing and playing "Too Fat Polka" and other popular numbers, was one of the star performers of the evening.



Gary Lassman hits the jackpot when he pays \$1.65 to eat with Betty Louise Bartlett, who is shown here giving him an "assist" with his banana. Both are 10 years old.



Betty Richardson, left, and Mariann Osborn, take time off between program numbers to sell a sack of popcorn to Harold Lindsay.



Before the box supper, older members of the club presented a 1-act play, "Jerry Breaks a Date." Among those featured in the play were: First row, left, Carrol Baker, and Rosalia Hess. Second row, left, Howard Russell, as Jerry, and Harold Lindsay.

sponsors and leaders of the club, to make arrangements for pictures. Huddled behind the curtains was a large group of very excited young people, giggling nervously as they awaited their turn on the stage. It was a big moment in their lives and they were enjoying it with the delicious anticipation found abundantly in youth.

After completing picture arrangements we again circled the building and edged our way in thru the crowd, found a small space against a back wall, and settled down to enjoy the program.

As the plain canvas curtain was lifted, 8 little boys and girls dressed as Negroes started the program with a song and dance routine. They were listed on the program as "Eight Little Pickaninnies." We found out later in the evening these 8 young people had originated the ideas and costumes for their number, and had practiced religiously before volunteering to appear.

The rest of the program was as follows:

Reading—Anna Jean Lassman.

Song—By our cowboys.

Song—Betty Richardson and Mariann Osborn.

Reading—Gary Lassman.

Song—Billy Boy, by the younger members.

One-Act Play—"Jerry Breaks a Date," by the older members.

Song—Lee Osborn (whose picture is on the cover of this issue of Kansas Farmer).

Song—Joe Baker, LaVerne Lassman, Howard Russell and Charles Mueller.

Closing number—Our state song, "Home on the Range."

Scene for "Jerry Breaks a Date" is the living room of the Johnson home in a small city. The time is 7:45 o'clock in the evening of an early summer day.

[Continued on Page 28]



Auctioneer Floyd Roberts gives his spiel while Gary Lassman, left, and Harold Dean Whitaker engage in spirited bidding. Harold Dean got this one.



# Farm Matters

## AS I SEE THEM

IT IS going to take every pound of strength and every ounce of wisdom we can muster to take America, and such part of the world as we can carry along, thru the next few years.

After every major war there are revolts, mob uprisings, civil wars, lawlessness. But in the past these have been pretty much localized, the nations and peoples affected have had to deal, on the whole, largely with their own troubles and problems, and their own people.

But the aftermath of World War II is different. Almost everywhere in the world, where troubles explode, there can be felt, generally seen, the influence and machinations of a sinister force that seems bent on creating one world domination built upon the wreckage of western civilization. In Iran, in Egypt, in Greece, in Italy, in France, in the Scandinavian countries, in Korea, in China, in Afghanistan, in Berlin, in Vienna, in Colombia (Bogota), there are apparent the evidences of infiltration and subversion.

In Western Europe, in Turkey, in Greece, in China, in Korea, in Japan and Germany, thru the Marshall Plan and occupation forces, the United States is trying desperately to support nations and peoples that indicate they will resist the march of the Soviet—if the United States will give them that support.

What we ourselves have done to build up the Soviet, in the past years—from the time we gave the Soviet and communism our practical indorsement by recognition in the early thirties; thru Moscow, Tehran, Yalta and Potsdam agreements and commitments, secret and public, to the present time, our gyrations and blunderings in a foreign policy—all this is water over the dam now. There is no use trying to go back and undo the mistakes already made. Except—get an administration, if we can, that will place the interests of the United States and the people of the United States of America ahead of the diverse and conflicting interests of all the rest of the world. Commitments that have been made will have to be lived up to—to the extent that they can be without impairing our own strength, our own resources, and our own interests.

We have undertaken thru the European Recovery Program, as expanded to include the Eastern Mediterranean area and China, to stretch our resources to the limit in giving these peoples and their governments assistance and support. What we are going to have to do to satisfy the demands of Latin American countries who feel they are as much entitled to assistance and support as peoples and nations in the old world, I cannot at this time hazard a guess. But I do know we are going to be called upon to produce to the limit, as well as to exercise the leadership for which we have taken the responsibility.

The American farmer is going to be called upon for maximum production again—at the same time that one fourth of the farm machinery manufactured in the United States this year is scheduled to be shipped overseas. Fertilizer material made in Kansas is going to the Orient, while we need it badly.

I had hoped that within a period of 2 or 3 years after the Axis powers were vanquished, we could return to soil-conservation and sound land-use practices; perhaps I should say that we would develop soil-conservation and sound land-use practices. I feel that we should do so, despite the demands that are in sight for continued maximum production.

Before this Congress adjourns, it should do at least 3 things in regard to agriculture, in my opinion.

First, continue the price-support program for at least 2 years more, with perhaps some adjustment of the level for perishable commodities.

Second, lay the foundation for a better co-ordinated soil and water conservation, and land-use program.

Third, assure that needs of our own farmers and our own soil resources are taken care of in the matter of farm machinery and equipment, and fertilizer; insure that these not be diverted in too great quantities for overseas use.

As chairman of the Senate Committee on Agriculture, I intend to devote my energies to these 3 purposes. And I am certain that our fellow Kansan, Representative Clifford Hope, who is chairman of the House Committee on Agriculture, feels the same way about it.

### Farmers Come First

I KNOW a lot of problems are sticking to farmers these days like their shadows. One of the major problems is total food and feed production. With the farming season right at hand, Uncle Sam is urging crop production on 354 million acres. This is an increase of 7.4 million acres over actual planted acreages for 1947. In short, farmers are being urged to keep their production geared to wartime goals. For farmers the emergency still exists. That is a problem in more ways than one.

I haven't the slightest doubt about the ability of farmers to meet these continued high demands, if the weather is reasonably helpful. But I want two things distinctly understood here in Washington and over the entire country. One is that if farmers are to continue doing a wartime job—at some personal sacrifice, and probably soil fertility loss, too—then they should have priorities on necessities such as tractor fuel, and enough equipment to do that job. Also, they should have complete assurance that their peak production will bring them profitable prices. Not be dumped on a surplus market if such a condition should develop.

At present we are having the jitters over war scares. How near we are to actual war can be questioned. How much "scare" psychology is being used currently for political purposes also can be questioned. But one thing sure, we cannot change the food supply overnight later in the year, simply by wishing for more food. Therefore, in good faith farmers will go ahead and plant to the limit. War scares, aid to other countries, and our increased demand for food are sufficient justification for farmers going ahead and producing. They do this, as I say, in good faith. And they must be treated in just as good faith thru the year with priorities for essential fuels, equipment and supplies; and at year's end with substantial income for their efforts.

Need for a "farmers first" attitude on fuels is voiced by the petroleum industry, which states that the nation's farm demand for oil products and the over-all production of petroleum both will hit new peaks in 1948. This record supply and record demand for gasoline and other petroleum products will run "neck and neck" the industry states, and "spot" shortages might occur in some areas. Co-operation of both farmers and the general public in using petroleum products efficiently will be needed, it is pointed out, if serious shortages are to be averted.

It is very plain that the oil industry has the best interests of the country at heart in making these facts known. And I say, with this information at hand, we must make sure farmers get first choice when it comes to fuel for food and feed production.

Certainly food production is more important to this country, and to the world, than pleasure driving, for example. I think the American people on the whole will be glad to co-operate in this emergency.

Why is there such demand for petroleum products? I find some interesting answers to that question.

First of all, food production has reached a new high. In 1947, it was 40 per cent above prewar, according to the Bureau of Agricultural Economics. This means using more fuel for power-farming equipment. As America's food production has increased, I am told, consumption of motor fuel on the farm has doubled since 1941. This year 3 million tractors—nearly twice the number in use at the beginning of 1940—are not only pulling, but are turning or running more than a hundred different types of "power take-off" tools, the oil industry reports. About one third of the nation's trucks are at work on the farm. New combines alone have increased 183 per cent, we are told, since the war ended. Farm automobiles have increased 20 per cent since the war, to a reported total of 4,860,000. It should be understood that automobiles are essential equipment in the farming business. I learn, also, there are 9,000 airplanes on farms, and that 300 companies are operating planes to dust, spray, sow and fertilize crops on a contract basis. That all takes oil products.

Farming is mechanized today and must have petroleum products. But demand in other fields has increased. Industry uses a tremendous amount. There are almost 3 million more motor vehicles on the roads than at the end of 1946. Since the war, oil burners have been installed at a yearly rate 3 times greater than that of any previous decade. Even peacetime military use of petroleum is 7 times greater than 10 years ago, the Oil Industry Information Committee states. All of this adds up to a big total.

It is easily understood how petroleum consumption has increased, in view of these reports. Now, the petroleum industry hasn't been idle. Oil companies drilled 114,013,000 feet of new wells in 1947, an all-time record. In 1947 the petroleum industry provided 8,661,828,000 more gallons of oil products than during 1945 at the peak of the war. By the end of this year, oil companies expect to spend 4 billion dollars on a 2-year expansion program. New wells are being drilled, thousands of miles of pipeline are under construction. New tankers, tank cars and barges are ordered. Record expansion of refineries is reported.

All of this makes us wonder about our oil reserves—the supply ahead. According to the Oil Industry Information Committee, proved U. S. reserves—oil known to be in the ground—were increased to an all-time high during 1947, despite a record production that exceeded that of the war years. These proved reserves total more than a trillion (1,039,148,720,000) gallons. They are 29,605,002,000 gallons higher than they were a year ago. That is very encouraging.

But oil in the ground isn't fuel in the tractor. So with the supply and demand situation plainly pictured for us, it would be folly to trust to luck that enough fuel will be left for farm production. The petroleum industry will do its utmost in production. Farmers will do an efficient job of using motor and tractor fuels. Everybody else must take this warning just as seriously.

*Arthur Capper*

Washington, D. C.

## Trying to "Hedge" Against Uncertainties

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

WASHINGTON, D. C.—Farm leadership in Congress, like leadership in other lines and fields over the world, is mainly trying to "hedge" against uncertainties in the immediate future.

Some examples of "hedging" in world futures:

Extension of farm-support prices against the possibility that falling off in export markets, and increases in food and feed production overseas, will

result in falling prices next marketing year or the following, on a number of major commodities.

Repeal of a provision put into interim aid bill last December, by which direction was extended to the Secretary of Agriculture (and the Administration) to limit wheat exports this spring so

there would be a carryover of wheat of at least 150 million bushels into the new marketing year (1948 crop).

European Recovery Program, now in operation, is a gamble in futures—a hedge against Western Europe going communist and thereby under entire Soviet control in the game of world-

power politics. This is one big gamble.

Huge increases in defense appropriations, for the air force particularly; enactment of a limited selective service act; possible enactment of Universal Military Training; stiffening in dealing with Soviet Russia at all points—more gambling in futures-hedging. Of course, Senator Arthur Vandenberg, chairman of the Senate Foreign Relations Committee, prefers the term "cal-

(Continued on Page 30)





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## Two Busy Months For Flying Farmers

APRIL and May are busy months for Kansas Flying Farmers. The annual spring tour is scheduled for April 23 and 24. And the third annual state convention will be May 25 and 26, at Wichita.

Kansas Flying Farmers elected to go out of the state this year with their spring tour. They accepted an invitation from Missouri Flying Farmers to attend their state convention at Lebanon, Mo. The date coincides with the national dedication of Skyway 1, which passes over Lebanon. It is a 3 in 1 deal.

Norman Clothier, Florence, chairman of the tour committee, has plans all wrapped up for the April 23 excursion to Missouri. He reports there will be 2 branches at the beginning of the tour which will converge at McPherson. The north branch will begin at Colby, Friday morning, April 23, and proceed to Hays, then to Janssen's Skytel at McPherson. The south branch will begin at Dodge City and fly direct to McPherson. President George Galloway, WaKeeney, will lead the north flight and Dan Roberts, Plains, has been asked to lead the southern group.

From McPherson, the tour will proceed to Iola, Meade airport. Accommodations, entertainment and other details are being arranged for the Flying Farmers at Iola.

### Off for Lebanon

Saturday morning the flyers will take off from Iola for Lebanon. The Missouri Flying Farmer program begins at noon on Saturday with the dedication ceremony of Skyway 1. A tour of grade-A dairy establishments has been scheduled for the afternoon, and a special program for the evening. Chief speaker at the evening program will be J. W. Burch, director of extension, Missouri University.

Flying Farmer ladies are urged to accompany the men on the Missouri trip. They should find the excursion entertaining.

Churches in Lebanon invite the flyers to attend their services Sunday morning. And there will be plenty to do the remainder of the day. The tour committee has made no special plans for Sunday, leaving the day open for flyers to do as they choose. But since Lebanon is close to the Lake of the Ozarks, there is a possibility of organizing a flight over the lake area before the Kansans take off for home.

Meeting in Wichita recently, the convention committee made more complete plans for the annual meeting there. After the Tuesday evening banquet at the Broadview hotel, conven-

tion activities will be confined largely to the Municipal Airport terminal building. If weather is favorable the business meeting may be held on the lawn near the building. If not, the meeting will be taken indoors. At any rate, the terminal building will be convention headquarters.

Practically all plans for the proposed economy race have been completed. Harold Harrison, Valley Center, is in complete charge of the race, which will be divided into sections with planes of the same make competing against one another. Dealers and distributors of the various makes of planes will present trophies to the winners in their respective sections. And Kansas Farmer will present a trophy to the most outstanding individual who will be acclaimed the grand champion of the race.

Tentative plans call for the race to be run over a 135-mile triangular course out of Hutchinson. The course will not be announced until the morning of the race so there will be no opportunity for entrants to make a survey flight.

Those competing in the race will be scored 50 per cent on gasoline consumption and 50 per cent on time. Efficiency of plane operation and navigation will be the main determining factors in the race. This contest calls for personal participation on the part of Flying Farmers and is being received with unexpected enthusiasm.

Ailiff Neel, Windom, member of the convention committee, mailed cards to all Flying Farmer members asking them to make banquet and hotel reservations with him as soon as possible. He also asked them how many would be interested in the proposed race. Just 4 days after the cards were mailed he received 31 replies and 16 of those wanted in the race. It is entirely possible that 75 or 100 or even more planes may fly the course that morning.

Take-offs will begin at 9:30 and will continue until 11 o'clock that morning. All planes should be back at the starting point by 2 o'clock and the mass flight to Wichita can begin by 3 or 3:30 in the afternoon.

### Window-Shade Doors

If the built-in wall cabinets in your kitchen have no doors, mount white window shades on rollers at the top of each section. Decorate them with fruit or flower decals and colored pulls to harmonize with your kitchen color scheme. These "doors" can be opened easily and are never in the way.—Mrs. Fred Fienup.

## Can Shift Feeding to Suit Conditions

BECAUSE he is short on silage and didn't get the expected wheat pasture last fall, Paul Mears, of Mitchell county, is doing some improvising in the deferred feeding of yearling steers. "Being able to shift your program with your feed conditions is one thing I like about deferred feeding," reports Mr. Mears.

The Mears yearling steers were purchased in 2 groups. One group, weighing 518 pounds, was bought in Novem-

ber, 1946. The other group, weighing 495, was purchased in March, 1947.

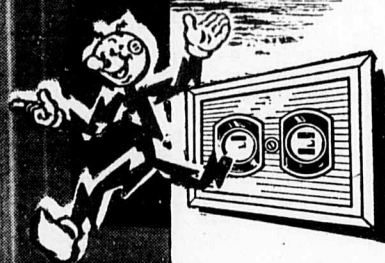
During the last summer they were grassed without supplement until November. This winter they were put on a pasture deferred during the summer and were given a one-half feed of silage, all the poor-quality hay they would eat, and a pound of cake daily.

They will be grassed again this summer and either sold off grass or short-fed in the fall.



These yearling steers were being fed on grass last winter by Paul Mears, Mitchell county. They will be sold off grass this summer or short-fed in the fall.





# *A Brighter Future* with Highline Service

**Y**ES, you folks on Kansas farms are looking forward into a brighter future, full of electrical Better Living and built firmly on the foundation of economy, dependability and safety that has always characterized the work of Reddy Kilowatt—your electrical servant on the farm.

That bright future holds the greatest promise for you when you put Reddy to work to full capacity—letting him bring his abundance of running water, automatically-

heated in quantity for comfort, time-clock cooking that means new freedom for farm homemakers, effortless house heating that combines the economy and safety of oil-fired furnaces with the convenience of electrical controls. And don't forget: Economy of electric service increases as you add new uses!

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Central Kansas Power Company The Kansas Power and Light Company Eastern Kansas Utilities, Inc. The Kansas Electric Power Company  
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PIONEERS IN KANSAS RURAL ELECTRIFICATION

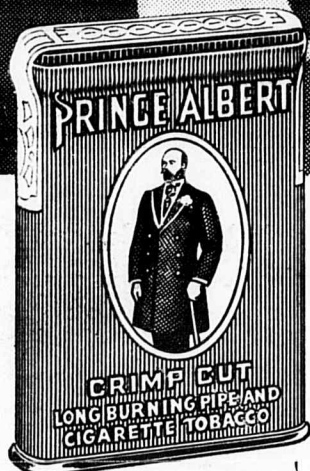
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## Kansas Cooperative Council Meets at Salina, May 5

WHAT promises to be one of the outstanding co-operative events for years will be the fourth annual meeting of the Kansas Cooperative Council at Salina, on May 5, 1948. The session opens at 9:30 o'clock when President Harry Witham will call the convention to order. From then until the close of the evening session there will be a very constructive program.

The Kansas Cooperative Council is sponsored by the farm organizations, and regional and local co-operatives. This is a cross-section of a very fine group of Kansas people.

Never before in Kansas have the co-operatives reached such a high level in business, savings, membership and enthusiasm. The annual meetings reveal a fine year. So the annual convention of the council, a co-ordinating public relations organization, will reflect this situation.

There will be several speakers in Kansas who will discuss the various phases of co-operative activity. The tax situation will be presented in the afternoon by Gene Hensel, Columbus, Ohio, legal consultant of the National Association of Cooperatives, Chicago. Mr. Hensel was a most valuable witness for the co-operatives before the Knutson committee in Washington.

In the evening, one highlight of the convention will be the recognition service for Ralph Snyder, who retires as president of the Bank for Co-operatives. Honoring this man, who has given so much to agriculture and public welfare in general, is a mark of genuine respect.

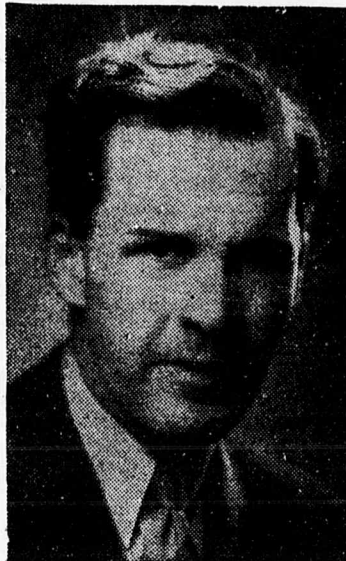
The closing address of the convention



Ralph Snyder  
... honor man of meeting

will be given by Jerry Voorhis, executive secretary, Cooperative League of the U. S. A., formerly congressman from California. Mr. Voorhis is an outstanding speaker, and one of our soundest thinkers on our economy in general and the co-operatives in particular.

A plaque will be given to the local co-operative that has the largest person-miles attendance. If won for 2 successive years it becomes the permanent property of the local.



Jerry Voorhis



Gene Hensel

## The Good News Spreads About Capper Foundation

AS NEWS spreads over the country about the Center for Crippled Children, recently opened in Topeka by the Capper Foundation, a flood of letters welcoming the announcement have been received by Senator Capper. Here are typical excerpts:

FROM SOUTH CAROLINA—"This is one of God's acts carried out by men on earth. I truly hope the good work will be endless as time."—Mrs. H. B. D.

FROM KANSAS—"I just read the story of Mike and Donnie. It thrilled my heart, as I am a 33-year-old spastic who never learned to walk because there were no training centers like this when I was a child."—R. H.

FROM MISSOURI—"I know this might sound silly, but when I tried to read the article about your Center to my husband, we both broke down and cried. If you have time, please tell us more about it. We have a baby like those boys."—Mrs. J. H.

FROM INDIANA—"I must admit I shed tears of joy when I read of your Center, for we have a child who needs just the sort of training you offer there."—Mrs. L. M. E.

FROM TEXAS—"How could I get information about your Center for Crippled Children? I live in Texas and do not know of a hospital like this."—Mrs. R. P. R.

FROM SOUTH DAKOTA—"We have a 3-year-old spastic boy, Dickie, who tears at our heartstrings every

day. We wonder if we could send him to your Center. Our state has nothing of the kind. Kansas as a whole offers much more."—Mrs. R. H.

Nine tenths of the handicapped children now being treated in the Capper Foundation Center at Topeka would be without proper care and going from bad to worse, had not Arthur Capper years ago made plans to provide for their treatment. While most of the children are from homes unable to pay for medical care, the still more important fact is that the Central West has not sufficient facilities for training children, rich or poor, with spastic paralysis which is the ailment affecting the majority of the children here.

### Get Leafhoppers

Science shows it takes 30 to 40 leaves to nourish and develop one apple. There are certain chemical reactions in the leaves, induced by sunlight, needed for producing fruit.

Quite important, it is, that leafhoppers be controlled. They are notorious for destroying and crippling leaves during the time when leaves are most essential for fruit development.

One of the most popular sprays for leafhoppers is nicotine sulphate (black leaf 40)—mixed  $\frac{1}{4}$  of a pint to 100 gallons of water, with soap added as a spreader. This not only gets the hoppers but it also controls aphids.



## The Right Tool Helps

By W. C. AMSTEIN, Kansas State College

THERE are many tools that can be used to make growing a garden less hard work and drudgery than it commonly seems to be. It does not require a heavy expenditure of money to provide some of these helpful items to make better gardens.

For example, if many of the men tried to use that old, dull, poorly-balanced, rough, slivery-handled, so-called hoe, they would give up gardening or get a new hoe, I am sure. A poor duster or sprayer, or none at all, is often a common hazard in omitting needed insect and disease-control measures.

I would not advise a farm family buying every gardening tool or gadget that is displayed. They are not all needed. Likewise, it is seldom desirable to buy in a single season all the tools that eventually should be included in a garden kit.

All tools or equipment bought should be of good quality. For example, they need to be strong enough to do the job for which they are designed, yet they need to be light enough so you will still enjoy using them. Likewise, a hoe that is of good steel that will take and hold an edge, and equipped and secured to a well-balanced handle that is not always coming loose, is a useful garden implement.

A small basket such as a half-bushel basket, a pail or a market basket to keep the seed packages, trowel, knife, a hand weeder, row-marking equipment and similar items will save many extra steps. Likewise, if you keep a pencil and piece of paper along to write down the names of varieties used, planting dates, location or number of rows, seed treatment used, fertilized or not, and other similar items, it will pay you bigger dividends than most folks realize.

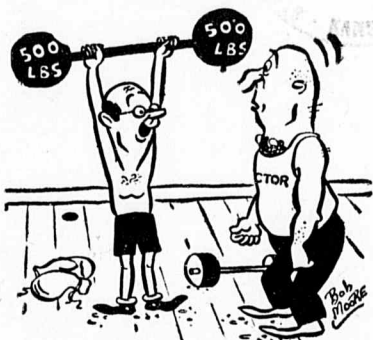
### Very Useful Tools

Wheel hoes are perhaps the most useful tools to increase the efficiency and even add pleasure to gardening. If you have some young teen-age helpers, they will take a turn more often at garden work, enjoy it and do a better job than you ever thought possible. With horses less commonly available even for that one-horse garden cultivator, some device has been needed to fill this gap.

There are several types of wheel hoes available in a wide range of prices. Some of them come equipped with more extras or accessories than the new cars. Usually you can locate a model with attachments that will suit your needs and your pocketbook. Remember that with proper tending and storage it should last 15 to 20 years or more, so buy yourself one that will continue to please you after the fresh paint has worn off and the novelty of having it has passed.

In this wheel-hoe group, the high-wheel type of hoe is less expensive and easy to operate, but has fewer adjustments and fewer attachments, so it may not give you as many hours of service per season as you might anticipate.

There are several varieties of rotary hoes that seem to be available and popular as well as low-priced and easy to operate. For one thing they can be run very close to the rows. In fact, they can be used over the row before the seedlings emerge to break the crust as well as destroy young small weeds. They are not too effective in rough,



"You mean like this?"

stony or lumpy soil, or if you let the weeds get a 6-inch growth before you start to clean them out.

The planter or seeder attachments on wheel hoes are features that may be worth considering. I doubt, however, if for average farm family use there is anything better than a good rotary hoe thru the years. I often see them still useful after 25 years of service.

Instead of leaving the bugs and diseases unchecked, more farm families are now interested in doing something about controlling them. Likewise, new insecticides and fungicides are now available to permit a better control job.

Best control results usually are obtained from use of a spray application, but most prefer to use a duster in farm garden operations. Dusting equipment varies from the loosely-woven, cheese-cloth model to the tin can perforated with several nail holes, and then on to the hand dust guns and finally to more elaborate models of dusters.

For most gardens, a well-made hand dust gun is satisfactory. A model that permits attaching a pint or quart glass jar serves very well, since it saves spilling the remaining materials out of the duster every time a different material is needed. Likewise, you can see how your supply of dust is holding out without opening the duster. Get a model that has an outlet long enough so you don't have to stand on your head to put the dust where it is often needed on the lower side of the leaf.

### Need More Milk

Profits in dairying should continue good for some time, judging from the basis of supply and demand. In fact the Dairy Industry Committee is somewhat concerned with the problem of decreased milk production nationally.

In studying the matter they point to a definite cycle of cow numbers which has occurred over many years. This cycle is of about 7 years' duration on the average. And we are now apparently at the bottom of the current cycle. The average number of milk cows on farms from 1937 to 1946 was 25,973,000. A high of 27,770,000 was reached January 1, 1945. But the number decreased to 25,165,000 by January 1 this year.

High prices for beef and veal have sent many dairy cows or potential dairy cows to the slaughter houses, it is pointed out.

At the same time the human birth rate has increased 44 per cent. This increase added nearly 3,730,000 potential milk consumers to our population last year. The largest annual increase prior to the war was 2,200,000.

Also, more milk is being consumed per capita now than before the war. Average annual consumption per person was 807 pounds from 1925 to 1939. Average in 1947 was 829 pounds.

### If Hens Are Lazy

If production drops off, there may be a dozen reasons for the slump. But one thing to look for immediately is poultry lice. Nothing will discourage layers more effectively than the constant irritations of these pests.

It's really quite easy to control these parasites. You don't have to catch the birds; no handling, no confusion. All you need do is apply some black leaf 40 to the roost and let the nicotine fumes kill the lice while the birds roost.

No need to paint the roosts. With the modern cap-brush on the bottle of black leaf 40 you just tap drops along the roosts and smear. One ounce treats about 60 feet of roost; or about 90 chickens.

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This great concentrate contains the original ethyl ester form of 2,4-D at the rate of 3 pounds 2,4-D acid equivalent per gallon. It is a highly effective concentrate for the hard-to-kill weeds, and gets results even under adverse conditions.

### INCREASE YIELDS

Weedone Concentrate 48 goes to work right away and gives your crops a chance to really grow without competition from weeds. You need put down only ½ to 1 pint per acre at a cost of only cents per acre.

### ALSO AVAILABLE:

**WEEDAR 64.** Contains the amine salt of 2,4-D at the rate of 4 lbs. 2,4-D acid equivalent per gallon. For the easy-to-kill weeds. Not volatile; safer to use near susceptible crops. For pre-emergence spraying, too, on corn.

### GET SPECIFIC INFORMATION FROM YOUR DEALER OR COUNTY AGENT

Your dealer has a few modern, low-volume spray rigs and free bulletins giving general information on these products and sprayers. If there is no dealer near you, write to us direct.

### AMERICAN CHEMICAL PAINT COMPANY

Agricultural Chemicals Division

AMBLER, PA.

Originator of 2,4-D Weedkillers

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Company in All Matters Relating  
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"Why should daughter wait till the right man comes along? I didn't, when I was her age."





**For Farmers...**

## MORE TELEPHONES BETTER TELEPHONE SERVICE

*More than 80,000 telephones have been added in rural areas served by Southwestern Bell in the last 2 years—10 times as many as in any previous 2-year period. The program is continuing.*

We hope, eventually, to provide telephone service for virtually every farmer who wants it in our 700 exchanges.

Service improvement goes along with the rural construction job. Better line construction, modern instruments, and simplified ringing are making the farm telephone more dependable and more valuable than ever before.

**SOUTHWESTERN BELL TELEPHONE CO.**



### Coming Events

April 19—Butler county farm management annual summary meeting, Augusta.

April 20—Reno county horticulture meeting, leader, W. G. Amstein.

April 21—Mitchell county poultry brooding school and tour in the county. M. E. Jackson, leader.

April 21—Reno county farm management meeting, Coolidge and Myers, K. S. C., leaders.

April 23—Annual Western Kansas Vocational Agriculture judging contest, Fort Hays Experiment Station, Hays.

April 23—Ottawa county. Specialist meeting, Prof. M. E. Jackson, leader. Minneapolis, Farm Bureau basement, 2 p. m.

April 24—Eastern Kansas district 4-H day. Thirty-eight counties send festival representatives to Emporia to compete for district championships.

April 24—Annual Round-Up and Feeders Day, Fort Hays Experiment Station, Hays.

April 26—Kiowa county. Evening summary meeting of 15 farm families in cooperation with Farm Management Association.

April 26—Johnson county vegetable school with W. G. Amstein, Kansas State College, leader.

April 26—Russell county egg cooler demonstration, M. E. Jackson, Extension poultryman, leader.

April 26-27—Riley county 25th annual state high school Vocational Agriculture judging and farm mechanics contest, K. S. C., Manhattan. Twentieth annual F. F. A. state convention to be held in conjunction with the judging contests.

April 26-27—Annual state Vocational Agriculture livestock and crops judging contest, Kansas State College, Manhattan.

April 26-27—Annual state convention of Future Farmers of America, Kansas State College, Manhattan.

April 26-27—Annual state Vocational Agriculture farm mechanics contest, Kansas State College, Manhattan.

April 26-27—Annual Future Farmers of America public speaking contest, Kansas State College, Manhattan.

April 27—Riley county state F. F. A. public speaking contest, K. S. C., Manhattan.

April 27—Cherokee county poultry production practices, A. M. Seaton, poultry specialist, leader.

April 27—Saline county spring beef show of Shorthorns, Herefords and Angus. Sponsored by Saline county Farm Bureau. Prizes by Saline Chamber of Commerce. Lot Taylor, of K. S. C., will judge the cattle. A 4-H and adult judging contest will be held.

April 27—Kiowa county, Home Improvement School, Greensburg.

April 28—Cherokee county 4-H Club tractor maintenance clinic, John Ferguson, agricultural engineer, leader.

April 29—4-H livestock judging school, Clay Center.

April 29—Morton county. Home health and sanitation meeting. Martha Brill, KSC, specialist, leader.

April 30—Scott county. Farm structures school, R. S. Knight, leader.

May 1—Riley county, 35th annual livestock feeder's day, K. S. C., Manhattan. Dr. A. D. Weber, K. S. C., leader. Results of livestock experiments at the college will be explained.

May 2—Barton county 4-H Rural Life Sunday observance.

### Brown Swiss Canton Shows

CENTRAL KANSAS CANTON—Show at Hutchinson, May 11. — Officers elected: President, Don Rudice, Kingman; vice-president, Linford Miller, Burrton; secretary-treasurer, Lloyd Spessard, Abbyville.

SOUTH-CENTRAL KANSAS — Show at Anthony, May 12. Officers elected: President, Vernon Glassburn, Harper, Rt. 2; vice-president, William Timmerman, Freeport; secretary-treasurer, Marion Beal, Danville.

EAST-CENTRAL KANSAS—Show at El Dorado, May 13. Officers elected: President, George Sluss, El Dorado; vice-president, Virgil Holem, El Dorado; secretary-treasurer, Carrol Donley, Oxford.

EASTERN KANSAS—Show at Iola, May 14. Officers elected: President, Robert Latta, Jr., Carlyle; vice-president, Ted Kirtin, La Harpe; secretary-treasurer, Lonnie Shapel, Carlyle.

STATE OFFICERS: President, Ross Zimmerman, Abbyville; vice-president, Paul Timmons, Fredonia; secretary-treasurer, Earl Webber, Arlington.

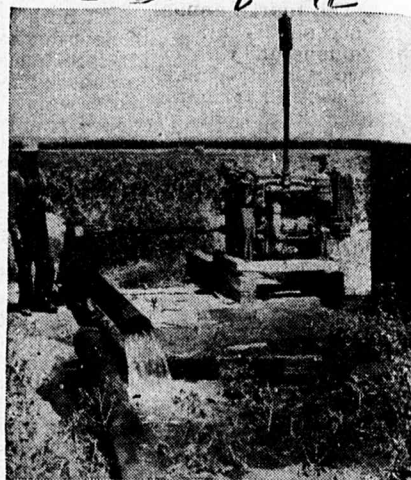
### Holstein Judging Shows

April 26—North-West, Hays.  
April 27—Mid-West, Hillsboro.  
April 28—West-Central, Hutchinson.  
April 29—South-Central, Wellington.  
April 30—Ark-Valley, Newton.  
May 1—North-Central, Linn.  
May 3—North-East, Sabetha.  
May 4—Capitol, Topeka.  
May 5—East-Central, Lawrence.  
May 6—South-East, Parsons.

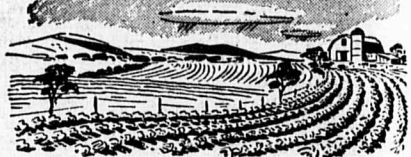
### Guernsey Spring Shows

April 19—Parsons.  
April 20—Salina.  
April 21—Hillsboro.  
April 22—Ottawa.  
April 23—Troy.

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DISASTER...**



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**WORTHINGTON**

**WORLD'S LARGEST  
MANUFACTURERS  
OF PUMPS**



## Strength for Rural Churches

Is a Product of Soil Conservation

By EULA MAE KELLY

THE conviction that there is a close kinship between the soul and the soil—that better rural churches can be built along with a soil-conservation program—has its fruition in a unique county-wide conference that is held each spring in Franklin county, Kansas. The fourth annual rural life conference, as it is called, was held April 8, in Pomona and Rantoul.

Two sets of speakers, representing rural pastors, farmers, members of the Kansas State College Extension Service, and the Soil Conservation Service, alternated morning and afternoon at the 2 towns. A basket dinner was served at noon at each place.

It all began in the mind of C. B. "Charley" Coughenour, a retired Methodist minister, now a prominent farmer and rural leader of Wellsville.

"I saw a real opportunity," Mr. Coughenour explained, "thru the extension service, the soil-conservation service, and the church, to bring a scientific approach to our community problems. The church has been lagging in such community leadership. The appreciation and good will built by such service would in turn help strengthen our churches. I am convinced it has done just that."

"First, I discussed the idea with my Sunday school class. They saw the vision, too. Later when I was planning a terracing operation on my farm with Henry Schmitz, district conservationist, and M. H. Wertzberger, then a work unit conservationist in this county, I talked it over with them. The women got interested, too, especially Mrs. Schmitz and Mrs. Verne Alden. We had our first soul-soil conference in 1944. It caught on, so we've dedicated a day to the idea of building soils and souls together every spring since. We rotate among our towns over the county."

### On Planning Committee

The planning committee for the 1948 conference included: Leslie Hunter, Pomona, chairman; R. C. Lind, extension soil conservationist, Kansas State College; H. C. Stevens, Ottawa; Harry E. Scott, Wellsville; Harry Funk, Homewood; Chester Wagner, Richmond; R. B. Elling, county agricultural agent; Mrs. Winona Starkey, county home demonstration agent; the Reverend George Boicourt, Ottawa, and Mr. Coughenour.

Scriptural readings and prayer opened the conference by the Reverend Richard Roper, pastor of the host church in Rantoul, and by the Reverend H. L. Koonce, in Pomona. Reverend Koonce is pastor of the Methodist church in Ottawa.

"The soil is God's gift to man," Reverend Boicourt declared in the opening speech of the conference, "and the Christian view is that man is only its steward. He must not abuse or destroy it. Ultimately there is a relationship between soil conservation and religion, because it is our business to grow society as well as crops."

"So we are kin to the soil, kin to our fellow men, and kin to God. Since the time of Cain we have known that we are our brothers' keepers. This is one world. We cannot build fences around ourselves."

Trends of the rural church were discussed by the Reverend Herbert Brockman, of Wellsville. Surveys in rural areas have shown a lack of church going, due in part to the passing of the country religious centers. In one typical Kansas area among 21 families visited, only one regularly attended and was affiliated with the church.

"Yet the rural church has a great tradition. Seventy per cent of our church leaders come from rural churches. It may be there will need to be consolidation of churches as there has been consolidation of schools. We know that a church must truly serve or it has no reason for existence. A program within 4 walls is not enough. It must reach out, into homes, into community organizations that uplift and better rural living."

R. B. Elling, county agent, introduced Dean L. C. Williams, of the Kansas State College Extension Service, who pointed out the great surplus producing power of Kansas. It is within our ability to help feed a world, half of

which is slowly starving. Dean Williams recommended that if a billion dollars were spent in soil conservation in Kansas in the next 10 years, every dollar of it would eventually come back, in increased yields and evaluation, and bring another dollar with it.

"There is still much improvement to be made in Kansas rural living. Only one half of our farm homes have electricity and only one third running water. To balance our farm enterprises we need to stop soil erosion, build fertility back into the land, then the higher yields will come and the modern farm home can be a reality."

"Kansas is a land of hope and glory. Let's realize what we have and keep it that way."

### An Experience Story

The afternoon session was highlighted by the "experience" story of Percy Perry, well-known Rice county farmer and member of the board of supervisors of that soil-conservation district. He related the history of soil building on his 320-acre farm 3 miles north of Little River, from his first attempts with the horse-drawn grader to his latest terracing equipment.

"I've got 15 miles of terracing on my place now and I want 2 miles more. I believe in sweet clover, windbreaks in the fields, crop residue, and I let my livestock feed in the fields to fertilize the field again."

"Very conservatively, I can say that soil-conservation practices on our place have raised its value \$10 to \$25 an acre, while crop yields are up from 2½ to 4 bushels an acre. In all I would say our family is \$10,500 better off because we have practiced soil conservation during the last 10 years."

"The land is nearly as good as when it was broken 75 years ago. That's the way I intend to pass it on. New methods and tools are continually being developed to make it easier to farm terraced land."

Ed Hodgson, another Rice county farmer and conservation enthusiast, seconded Perry's statements by saying that after 12 years of soil-conservation practices he knew no farmer could afford not to terrace.

"I am sure," he said heartily, "that if we are not robbers and thieves of the good land, and pass it on as good as we got it, God will bless us."

Henry Schmitz, district conservationist, told the audience there now are 85 soil-conservation districts in Kansas. By means of charts he illustrated how with the increase of population and consumption, the grain resources could be exhausted in 40 years, if conservation is not practiced.

"People eat about 2½ bushels of wheat each year. With the present specter of hunger in the world we are under pressure to produce food just as we were during the war."

Mrs. Renna Hunter, assistant state director of savings for the United States Treasury, Topeka, spoke convincingly of UNESCO, which in simple terms, means understanding and tolerance between nations and among ourselves.

"The Russian people have been taught that we are on the verge of economic collapse. There are 2 ways we can prove this is not true. First, by underwriting our government by buying our full quota of security bonds, and second, by an active working of the Marshall plan."

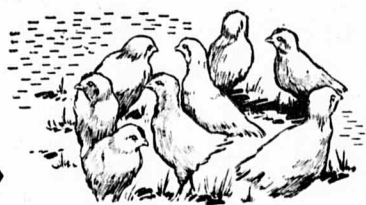
"Belief in America must begin here with us. It is in being a proud part of this state, a loyal part of our nation, that we deserve to be a part of the community of nations."

Characteristics of democratic living begin still farther back—in the family, maintained Mrs. Vivian Briggs, extension family life specialist, Kansas State College, the other woman speaker.

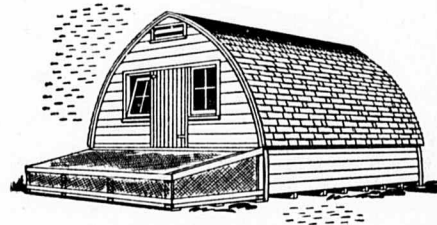
"It is within the family circle that we must learn the qualities of co-operation, consideration for the welfare of others, responsibility, tolerance and understanding of other races and religions."

"Too often we know people walking about in adult shells who are really children—they have never learned self-control or stability. They still let themselves go in temper tantrums. We must learn to eliminate our bad emotions."

## A life saver and body builder...



## Sun Parlors for Chicks...



Use the

## WEYERHAEUSER 4-SQUARE FARM BUILDING SERVICE

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If you're planning to build any type of farm structure it will pay you to see the scores of designs in the 4-Square Farm Building Service. It is most complete. It illustrates and describes many kinds and sizes of barns, poultry and hog buildings, machine sheds, crop storage, milk

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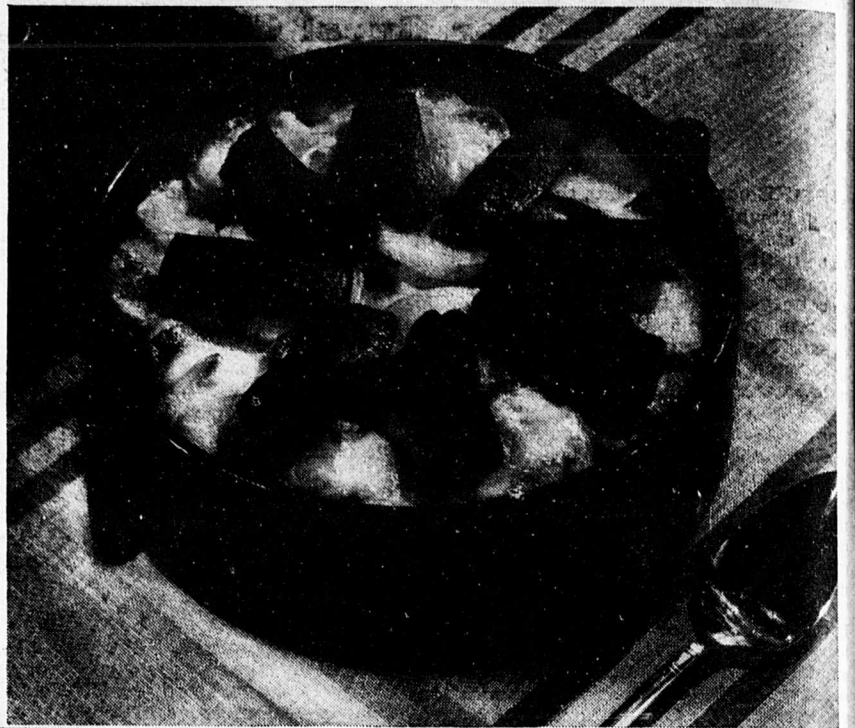
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## WEYERHAEUSER 4-SQUARE LUMBER AND SERVICES



# From First to Last Course

By FLORENCE MCKINNEY



Wieners blend flavor with potatoes in this casserole. With onion and a little mustard for seasoning, it's a new treat.

Cinnamon rolls with the "new look," will give the family a surprise. Dress up with confectioners' sugar.



## Escalloped Potatoes and Wieners

- |                             |                             |
|-----------------------------|-----------------------------|
| 12 wieners                  | 2 cups milk                 |
| 4 tablespoons butter        | 1 teaspoon prepared mustard |
| 2 tablespoons flour         |                             |
| $\frac{3}{4}$ teaspoon salt | 5 cups sliced raw potatoes  |
|                             | 1 cup sliced onion          |

Split wieners in half lengthwise. Melt butter in saucepan, blend in flour and salt and add milk. Stir constantly over direct heat until sauce boils and thickens. Stir in mustard. Add sliced potatoes and onions and bring to boiling point. Turn half the hot mixture into a casserole, arrange half the wieners on top in a circle and cover with the rest of potato mixture. Top with remaining wieners. Cover casserole and bake in moderate oven (350° F.) for about 30 minutes or until potatoes are tender. Serves 6.

## Oyster Casserole

- |                             |                             |
|-----------------------------|-----------------------------|
| 1 pint oysters              | 1 cup cracker crumbs        |
| 1 cup cooked macaroni       | $\frac{1}{2}$ cup milk      |
| 3 hard-cooked eggs, chopped | 1 egg, beaten               |
|                             | $\frac{3}{4}$ teaspoon salt |
|                             | 3 bacon slices              |

Put oysters in mixing bowl, add macaroni, 2 of the chopped eggs, most of the cracker crumbs, milk, the beaten egg and salt. Mix slightly and pour into a greased casserole. Over the top scatter 1 chopped egg, and the remainder of the cracker crumbs. Lay the bacon slices across the top, cover and bake in a moderate oven (350° F.) for about 20 minutes. Then remove cover and brown by increasing the heat to about 425° F. Serve hot.—Mrs. A. L., Greenwood Co.

## Graham Nut Bread

- |                                 |  |
|---------------------------------|--|
| 2 eggs, beaten                  | 1 teaspoon salt                        |
| $1\frac{1}{2}$ cups brown sugar | 1 teaspoon soda                        |
| 2 cups milk                     | $1\frac{1}{2}$ teaspoons baking powder |
| 2 cups white flour              |  |
| 2 cups graham flour             | 1 cup steamed raisins                  |
|                                 | 1 cup nuts, chopped                    |

Beat eggs with egg beater, add sugar and continue stirring until thoroughly mixed. Add milk and stir. Sift all dry ingredients together and add raisins and nuts. Add dry mixture to liquid mixture and mix well. Pour into 2 greased bread pans and bake in a moderate oven (350° F.) for about an hour. Suitable for any meal and lunch box sandwiches. When toasted it's a breakfast treat.—Mrs. D. F., Ellsworth Co.

## Glorified Apples

- |                         |                     |
|-------------------------|---------------------|
| $\frac{1}{2}$ cup honey | 6 firm, sour apples |
| 1 cup water             | whipping cream      |

Pare, core and cut apples in quarters or thirds, crosswise, so that each piece is a circle. Mix honey and water in a shallow pan and bring to a boil. Drop apples carefully into sirup and simmer slowly until apples are clear. Remove from fire and allow apples to stand. As they cool they will absorb sirup. Serve cold with sweetened, whipped cream.—Mrs. H. A. G., Jackson Co.

WITH gardening on the every-day program, we have time-saving in mind. So we offer two 1-dish meals, escalloped potatoes and wieners and an oyster casserole. They're appetizing and fairly complete meals. New menu suggestions are welcome at the end of a too-long winter.

## Butterfly Circle

Note in the picture that the rolls have an unusual shape and are decorated with confectioners' sugar. Otherwise they are made much like ordinary cinnamon rolls. It's just "the new look" to surprise the family.

- |   |                                 |
|---|---------------------------------|
| 1 package yeast, compressed or dry granular | 2 tablespoons melted shortening |
| $\frac{1}{4}$ cup lukewarm water            | 3 cups sifted enriched flour    |
| $\frac{1}{2}$ cup milk                      | melted butter                   |
| $\frac{1}{4}$ cup sugar                     | 3 teaspoons cinnamon            |
| 1 teaspoon salt                             | $\frac{1}{2}$ cup sugar         |
| 1 egg, beaten                               |                                 |

Soften yeast in lukewarm water. Scald milk, add sugar and salt and cool to lukewarm. Add 1 cup flour. Mix well. Add softened yeast and egg. Beat well. Add shortening and mix well. Add enough more flour to make a soft dough. Turn out on a lightly floured board and knead until satiny. Place in greased bowl, cover and let rise until doubled in bulk. Punch down. Cover and let rest for 10 minutes. Roll out to rectangular sheet 20 inches long and 10 inches wide. Brush with melted butter and sprinkle with the cinnamon and  $\frac{1}{2}$  cup sugar. Roll lengthwise and seal edge. Cut in 2-inch lengths. With a knife handle, press down firmly across center of each piece, parallel with cut edges of rolls. Place in circle in greased flat baking pan with one of cut edges to outside. Let rise until nearly doubled in bulk. Bake in moderate oven (350° F.) for 20 to 25 minutes. Frost with confectioners' icing and sprinkle with chopped nuts.

## Confectioners' Icing

- |                      |                                  |
|----------------------|----------------------------------|
| 1 cup powdered sugar | 5 teaspoons milk                 |
|                      | $\frac{1}{4}$ teaspoon flavoring |

Sift sugar, add milk slowly to sugar and stir to make a smooth paste. Add flavoring and mix well.

## ON THE DOOR MAT

The kitchen is a cozy place  
With ruffled curtains, clean and white,  
Altho one has to move apace  
To make things shine and look just right.  
The wee Dutch clock on corner shelf,  
Demurely says it's time to cook,  
Startled, I quickly find myself  
And drop my new and latest book.

The range is such a trusted friend,  
No end of comfort it will bring,  
Delicious odors it can send  
As it makes the teakettle sing.  
The loaves it simply doubles up,  
Then turns them to a golden brown.  
It bakes the custard in the cup  
The stew it gently simmers down.

Tea roses at the county fair,  
Or dahlias in a flower show,  
Cannot rival or e'en compare  
To the sample in my window;  
It's a bright red geranium  
Whose dark green leaves are thick  
and strong

It does away with dull humdrum  
And turns my sighs into a song.

—By Bertha Delaney Miller.



## Three Good Books a Starter

A HOME library must make a start somehow. Careful planning will make it start right. It may even start with as few as 3 books, perhaps a good dictionary, the World Almanac and a Bible.

A really top-grade home library can be built these days with books having inexpensive bindings. Demand of the soldiers during the war for paper-bound books which could be read and discarded if necessary, taught the publishers that other folks also wanted inexpensive books.

Too, books and magazine subscriptions make such lasting gifts that this way of adding to a library should not be overlooked. There are a good many editions of the Bible and the price range is so wide it should not be difficult to choose one with legible type, a concordance and other features which make it easy to read and understand.

A cheap dictionary is not a bargain. It will be used for years and should be bought with that in mind. Naturally, an unabridged one is first choice, but a smaller, less costly edition makes a good substitute.

The World Almanac is a gem among statistical reference books and can be bought for a small sum in the paper binding. To insure up-to-date information, buy the new edition each year.

Every home with or without children needs an encyclopedia. It is a substitute for travel. It is true that the world is so full of strange and wonderful things that one can never see them all. The Encyclopedia Americana was planned especially for American use. For children, the World Book and Compton's Pictured Encyclopedia are excellent. A good 1-volume substitute is The Columbia Encyclopedia.

An atlas and a good book on etiquette are useful additions to a library, especially if there are teen-agers in the family. Don't go on the premise that the classics are too difficult to read and uninteresting. The complete set of Dickens is decidedly of interest to young people and from a literary standpoint is difficult to beat. Good reading habits in youth will make intelligent adults. Books aid in the creation of the curious mind. The world needs more curious minds.

### Spin a Silver Dollar

This story of a desert trading post, by Alberta Hannum, is one of the most charming of books. Several superlatives rightfully could be used. It's fascinating for the story it tells of Indian life on the Navaho Indian Reservation;

its pictures by little Jimmy are significant in the culture of his people.

To the Navaho country in Northern Arizona, came Sally and Bill Lippincott, a young couple from the East, to take over the old trading post at Wide Ruins. A close scrutiny of a road map reveals Wide Ruins a few miles north of the main east-west highway thru Arizona.

One of their first acquaintances was Beatien Yazz, otherwise known as Jimmy, also as Little No-Shirt, a shy, silent Navaho boy of 8, whom they found squatting on the desert solemnly scratching a picture on a rock, using a pointed stone for a stylus. For 4 years . . . until they left the trading post due to World War II, they watched the flowering of the boy's startlingly individual talent as he painted the life on the desert.

Spin a Silver Dollar is the story of Jimmy's development, his ancestral genius, against the background of his people and his environment. But, too, it is the story of a 4-year-long adventure in living for 2 worldly people who learned about beauty and wisdom in life among the Navahos.

To entice you to read this choice book, we'll add there are humorous accounts of experiences with the Indians, how they buy and trade, mostly the latter. The Lippincotts took Joe, Jimmy's father, to Colorado Springs on a horse-buying trip. There he rode in his first elevator . . . one at the Broadmoor Hotel. He went home to Wide Ruins with an Elk's badge pinned to his bright silk shirt, one given him by someone about the hotel.

It tells too of how Sally took Jimmy to Santa Fe, to visit the Art Museum where he could see the best of the art, done by his ancestors of old and how it later improved his work. How he learned at the hotel in Santa Fe to climb stairs . . . his first . . . how he took the pillows off the bed and slept on the floor . . . how he walked 10 steps behind them on the streets of Santa Fe.

Sally arranged several public showings of his paintings, one in the State Museum in Springfield, Ill., and all his pictures were sold to an eager market. This, without a formal lesson in all his young life. He painted and drew pictures on paper of his own choosing, sometimes the backs of used envelopes, once he used some stationery from the Super-Chief. Later, Sally somehow persuaded him to use the regulation art paper which she provided, but brown wrapping paper pleased him as well.

Spin a Silver Dollar is published by the Viking Press, New York City.

## Do You Have a Bay Window?



IF YOU have a bay window or any sort of roomy "jog" off the dining room, a small table there and 2 chairs will forever be a pleasure to you. Between meals or when the family is large enough for you to use the big table, place a plant or a bowl of fruit on the small one. But when there are just 2 to eat or perhaps one alone, the small table will make a delightfully pleasant place for mealtime relaxation. And isn't the effect pleasing? Such an arrangement is good for homes where there are children. The little ones can sit at the little table and the grownups at the big dining table. They will be near enough to keep a watchful eye on the younger ones, but not so evident as when sitting next to them. It makes a nice game table, too.



*This coffee's so fresh*



*The flavor is grand!*



*My choice at each meal*



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**THIS IS IT!**—The perfect answer to that old baking problem of keeping enough yeast on hand without having it spoil. Fleischmann's modern Dry Yeast keeps for weeks on your pantry shelf, always ready for instant action. It's **ACTIVE**.

**JUST AS EASY**, just as fast as compressed yeast. You use it the same way. 1 package equals 1 compressed yeast cake in any recipe. Ask your grocer for Fleischmann's Fast Rising Dry Yeast today. Keep several weeks' supply handy for all baking needs.



## It's Printed Organdy and It's Plaid Cotton

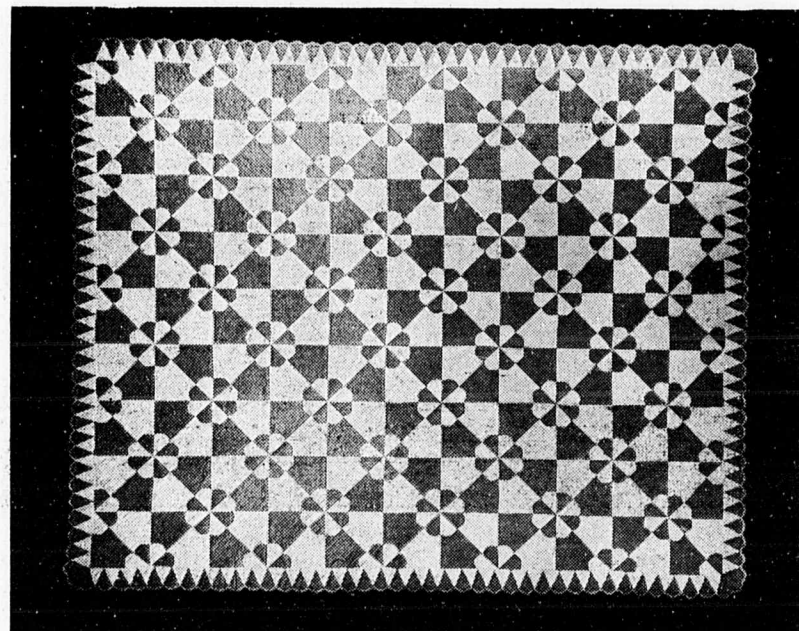


She's all dressed for Sunday school, even to white summer gloves. It's made of printed organdy. A white collar matched by a wide hemline gives it a special dress-up look.

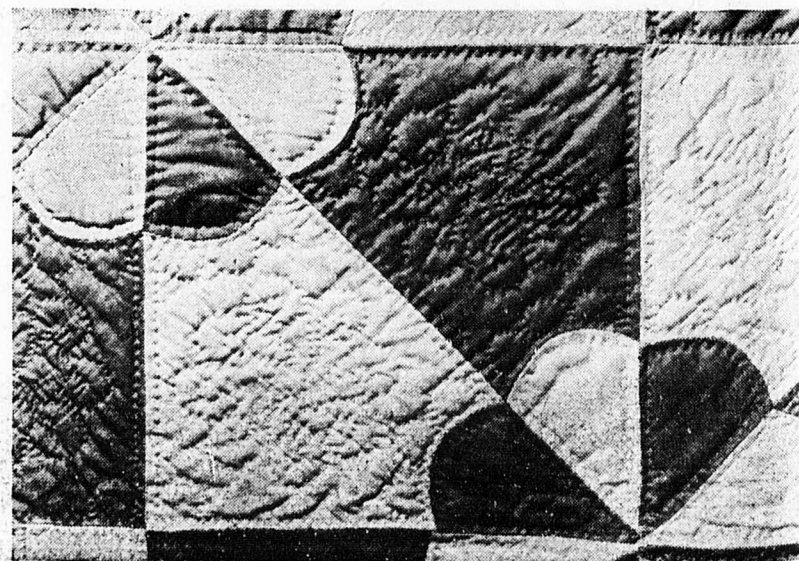


It's a gay plain and plaid cotton that makes this an eye-catching dress for the little tot. The circular collar follows a trend in children's frocks by matching a wide skirt band.

## Hearts and Gizzards



Strange name for a quilt pattern but beautiful nonetheless. It also is known as Borrow and Return. Identical parts plus the magic of arrangement will please even the professional quilter. See below.



A close-up of the Hearts and Gizzards quilt pattern gives the details of both the pattern as well as the quilting. To obtain the pattern with directions, send 5 cents to the Home Editor, Kansas Farmer, Topeka. Request Hearts and Gizzards quilt pattern.

Older folks say it's common sense . . .

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Many sufferers relieve nagging backache quickly, once they discover that the real cause of their trouble may be tired kidneys.

The kidneys are Nature's chief way of taking the excess acids and waste out of the blood. They help most people pass about 3 pints a day.

When disorder of kidney function permits poisonous matter to remain in your blood, it may cause nagging backache, rheumatic pains, leg pains, loss of pep and energy, getting up nights, swelling, puffiness under the eyes, headaches and dizziness. Frequent or scanty passages with smarting and burning sometimes shows there is something wrong with your kidneys or bladder.

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## Ever Try This?

A large market basket provides a handy container in which to keep cleaning supplies. Soap powder, polishes, cleaning cloths, brushes, scouring powder . . . all these and more may be stored in the basket and all taken to a distant part of the house when on a cleaning jaunt.

It always is a shock to look at the calendar and realize some friend's birthday or anniversary has just passed and you have neglected to send a gift or card. Here is the solution. Before tacking up a new calendar at the first of each year, go thru and encircle in red the dates for all the special birthdays and anniversaries. Then as the days, weeks and months pass, the red circles will serve as reminders and no friends will have been forgotten.

Do not hang feather pillows in the sun. Rather, air them on a cloudy, windy day. The sun draws the natural oil out of the feathers and destroys their bounce.

Spring is a good season to discard the kitchen utensils that you never use.

## For the Women

If you haven't ordered your copy of the booklet, "How to Sew and Save With Cotton Bags," you may still get one by writing to Farm Service Editor, Kansas Farmer, Topeka. Suggestions are given for children's and women's clothes, curtains and articles for use in the home, as well as gifts, all to be made from colorful cotton feed bags. Your order will be given prompt attention.

Every kitchen has some of these useless dust-catchers. Getting rid of them entirely is better than storing some other place.

A rubber mat placed on the drain-board of the sink will prevent the chipping of china.

A nutpick should have a place in every kitchen. Use it to remove corks, to punch holes in sifting cans, to untie hard knots and to clean seams in utensils. Olives are removed easily from their small bottles with a nutpick.

## Entertainment Fun

- |   |          |
|---|----------|
| Mary Ann's Chapter for Brides and Mothers | price 5c |
| Surprise Shower for Prospective Mother    | price 3c |
| "You Can Make It" Party                   | price 3c |
| The Mock Wedding—play                     | price 3c |
| Balloon Birthday Party—for small children | price 3c |
| 15 Games for Indoors and Outdoors         | price 3c |

These leaflets will help you with suggestions for invitations, decorations, entertainment and refreshments when entertaining for occasions suggested here. All orders will be given prompt attention. Please address Entertainment Editor, Kansas Farmer, Topeka.

## Food Is Discussed

Brown county farm women are studying about the FAO, the Food and Agriculture Organization of the United Nations. With the growing interest in world affairs and the necessity of the public knowing something of the agencies connected with the United Nations, these lessons are pertinent at this time.

Margery Shideler, home demonstration agent, reports that leaders from 19 Brown county units met with Gladys Myers, specialist of Kansas State College Extension Service, to plan the study program. Each of the units will discuss the food situation all over the globe.

This lesson fits in well with the county program of the UNESCO council, recently formed in the county.

## For Spring Time



9290—She'll love this precious dirndl frock with angel-wing sleeves and bow at the waist. Easy to make, few pattern parts. Sizes 6 to 14. Size 10 requires 2½ yards of 35-inch material.

9435—Slenderizing shirtfrock with gored skirt to trim the hips and a scalloped neck to frame the face. Sizes 34 to 50. Size 36 requires 3½ yards of 39-inch material.

7071—Gay morning-glories decorate

a pretty party apron. Takes only one yard of fabric. Pattern includes transfer and pattern pieces.

7082—Grace the table with this beautiful cloth. The medallion is easy to crochet and can be used for many household articles. Complete directions.

Twenty-five cents for dress patterns and 20 cents for needlework patterns. Send to the Fashion Editor, Kansas Farmer, Topeka.

APR 17 1948

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WIBW 580 10 P.M. KFH 1330

F-5



## Puts "Cash Reserve" Into His Soil

**D**ON SHOUSE, of Ottawa county, has a new thought on use of legumes and fertilizers. This is what he says about them. "When I use sweet clover in my rotation, and use fertilizers on my crops, I feel like I am putting a cash reserve in the soil that can be drawn out later when times are not so prosperous. This cash reserve in the soil has another big advantage, too. You don't have to pay any income tax on it this year."

Mr. Shouse is the oldest continuous user of phosphate in Ottawa county. He started using phosphate 12 years ago, when it was not yet recommended for his county and when he was getting only 50 cents a bushel for wheat. "I know," says Mr. Shouse, "I have been repaid \$1.50 for every dollar spent for phosphate thru those 12 years."

Phosphate is rotated on the Shouse farm, with 50 pounds of 42 per cent phosphate being applied to a field once every 3 years. The theory behind this practice is that during dry years the crops are unable to utilize all of the phosphate, and enough always is held over in the soil to support from 2 to 3 crops.

One thing Mr. Shouse has found from phosphating oats is that in feeding the oats he never has any mineral deficiencies in the livestock. Others, he reports, sometimes find mineral deficiency troubles in their livestock, but his phosphated oats tend to prevent such troubles.

Sweet clover was started on the Shouse farm on a small scale 10 years ago and is gradually being expanded. Present plans call for from 30 to 40 acres a year, altho Mr. Shouse may seed 50 acres this spring. His plan is to seed the clover with wide-spaced oats and to cross-drill the clover.

Altho it has not been necessary for Mr. Shouse to use lime to get stands of legumes, he is planning to use some lime this year. If he can get several neighbors to join with him in the purchase of a car of lime he hopes to start liming his farm. "I figure it will be cheaper to balance the soil acidity now than if I wait until the condition is serious," he reasons.

## Good Pasture Gets Credit

**M**OST of the credit for high production and high net profits for his dairy herd is due to a good pasture program, states George Fox, of Allen county. He has a herd of 17 grade Holsteins with 14 milking. During the 1947 D. H. I. A. year, the herd averaged 416 pounds of butterfat and 12,000 pounds of milk and showed a net of \$312 a cow above feed costs.

During May, last year, the herd had a butterfat average of 50.9 pounds. The reason, says Mr. Fox, is that the cows were running on lush brome-alfalfa pasture.

Here is the Fox pasture program: During the early spring he used brome-alfalfa up until about June 15. His herd then went on native pasture until fall. Early in September they went onto a mixture of brome, alfalfa and red clover where they remained until about November 10.

Perhaps you are wondering about that native pasture during the summer. Mr. Fox peps it up by seeding 10 pounds of lespedeza to the acre. The lespedeza gives excellent forage during the latter part of the summer when the feeding value of the grass is slipping.

No rye or wheat pasture has been used on the farm as Mr. Fox is trying to get legumes over the farm as soon as possible. He also has 5 miles of terraces on the home quarter to help hold his soil while he is building it up. Due to his stressing of legumes and grass only 20 acres of the quarter are in grain this year. Even the oats are seeded with a legume.

Altho Mr. Fox bought some prairie hay last year, he never has to buy any alfalfa hay. In fact, he sold 70 tons of surplus alfalfa hay during 1947, in addition to carrying his dairy herd plus a project of 86 ewes and some feeder cattle.

To keep his ewes from competing with the cows for pasture, Mr. Fox has purchased for the sheep an additional 60 acres, of which 30 acres is in native pasture. All but 10 acres will be seeded

down to a grass-legume mixture. Grass and legume farming is the secret of cutting overhead, he believes.

## Nitrate Paid Big

Ammonium nitrate on wheat last year paid big dividends for Leroy C. Meek, Saline county. So he bought fertilizer early to apply on wheat this spring.

He has an upland farm that had grown one wheat crop after another, year after year, before he bought it. Where he used no nitrate fertilizer last year he reports only about one third of the heads came out to mature. The yield was a little below 10 bushels. Where he applied 80 pounds of 32.5 per cent am-

monium nitrate, his yield was 18 bushels. And where the application was increased to 160 pounds an acre, the yield was 25 bushels.

To build up fertility in this soil that had been wheated out for a long period, Mr. Meek has started an alfalfa rotation and applies chicken manure available from his flock of 1,000 layers. But he is going to apply more nitrate this spring, too.

## Get Full Value

Out of 246 tests on fertilizer during 1947 in Kansas, only 5 samples were found to be as much as 1 unit deficient in the stated plant-food content.

This shows farmers of Kansas are receiving top-grade material to place on their land for soil maintenance and production increases, Paul Ijams, director of the Control Division for the

Kansas State Board of Agriculture, said.

The figures were included in a report just released by the board concerning tests on fertilizer samples by the Control Division during 1947. A total of 25 companies manufactured the fertilizer products that were sampled, and there were 30 different grades of material included in the report.

Each sample of fertilizer collected was submitted to chemical analysis to check the per cent of nitrogen, phosphoric acid and potash against the stated analysis of the product.

## Protects Eyes

To keep shavings out of your eyes and off the floor when boring a hole in the ceiling, make a hole in a tin can. Put the bit thru the can, then screw in the brace.—Mrs. D. S.

The curtain rises on

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## A Low Cost Feed Plan

WORKING out a long pasture program, plus growing plenty of good alfalfa hay, is more profitable and less work than growing and harvesting row crops for dairy cows. So believes Northcott Aiken, Allen county dairyman.

Mr. Aiken has it figured this way: "An acre that will produce 10 tons of sorghum silage also will produce 3 tons of alfalfa hay. With silage, you have all that additional weight to handle and have to feed a protein supplement. Also, you have to plow the soil, seed, cultivate and harvest the sorghum crop each year. With alfalfa your only job after the first year is to harvest, and it is easier and cheaper to harvest alfalfa

hay than silage. In feeding, it takes 3 tons of silage to equal 1 ton of hay for digestible nutrients. Where a long pasture program is utilized, silage feeding is not necessary."

That is Mr. Aiken's theory in a nutshell. Some dairymen won't agree with him, but Mr. Aiken is well satisfied with this pasture and hay program. His alfalfa, for instance, was seeded 5 years ago and still shows a good stand. In fact, last year, it made slightly more than 3 tons an acre. "In addition, my soil will be better when I plow it under," Mr. Aiken points out.

### Two From One

I made 2 small water tanks from a 50-gallon oil barrel cut in two. These small tanks can be moved where needed and will last indefinitely.—Mrs. R. E. L.

## This Farm Looked Hopeless

### But See What Happened to It

WHAT would you have done back in 1935, if you had come into possession of a 225-acre farm that consisted of only 30 acres of bottom land, with the rest steep, farmed-out slopes, and wasteland? Could you have made it profitable?

That was the situation that confronted Koelsch & Son, of Miami county. They purchased such a farm because that was all they could afford at the time. The farm never had paid its way, and former owners had tried to crop the steep hillsides until the job of reclamation looked hopeless. Here is the program which Koelsch & Son adopted, and which they have followed

rigidly since they bought the farm in 1935:

Naturally, they were short of cash, but immediately started feeding whatever cattle and lambs they could afford. Most of them were of poor quality, but the Koelschs got along somehow and used the manure to build up their soil.

Along with their feeding operations they put in a short rotation, using a red clover-oats combination, followed by 1 year of corn.

By seeding red clover with oats they harvested an oats crop the first year. The second year produced hay and seed. Following the red clover seed crop, the soil was immediately plowed and planted to corn for one year, then right back to red clover and oats.

Eighty acres of the farm has been treated to this program. The rest eventually will be seeded down to some kind of grass mixture. Also, there will be a gradual shift from red clover to alfalfa for more hay production. Fifty of the 80 acres have been terraced. The Koelsch farm hasn't failed to pay its way a single year since the changeover to a grass and feeding program. "Some years we haven't made much," says the elder Mr. Koelsch, "but we never have lost money on our feeding operations."

As rapidly as they were able to do so, this father and son improved the quality of both cattle and lambs purchased. They now buy and feed out 600 to 700 choice feeder lambs a year and never fail to top the market. Their program calls for topping out and marketing 50 head at a time. They also buy a carload of heavy feeder steers every fall and feed them 90 to 100 days before marketing. The 2 men prefer Colorado lambs for their feeding operations, but this year are feeding Texas lambs because they were all they could find on the market.

Lambs are hand-fed and you will be interested in the feeding mixture used by these men. They take 1 bale alfalfa, 1 bale red clover, 1 bale oats-red clover and 1 bale of lespedeza. These are ground into a mixture to which is added one-half gallon of water and one-half gallon of molasses per bale. This mixture is used as 70 per cent of the feed ration, with corn as the other 30 per cent. The percentage of corn is increased somewhat when that grain is cheaper.

The molasses and water combination is mixed into the feed by pumping it directly into the dust collector, where it is thoroly mixed by wind action.

Corn is mixed with the hay when fed to keep lambs from foundering. Molasses is considered an excellent conditioner for lambs by Koelsch & Son. They report this year they lost 4 lambs in 30 days before molasses was added to the feed and no lambs after adding molasses. They experience no trouble with scouring where the molasses is used in the proportion outlined.

### Late Corn Crop

It isn't often that you can plant corn on July 10 and get anything out of it, but Koelsch & Son, of Miami county, cashed in on such a late planting date last year.

They planted 20 acres of hybrid corn on bottom land last July 10. It was too late to make a grain crop but they figured they could get some feed value from it. They bought 29 head of 900-pound steers to utilize the corn.

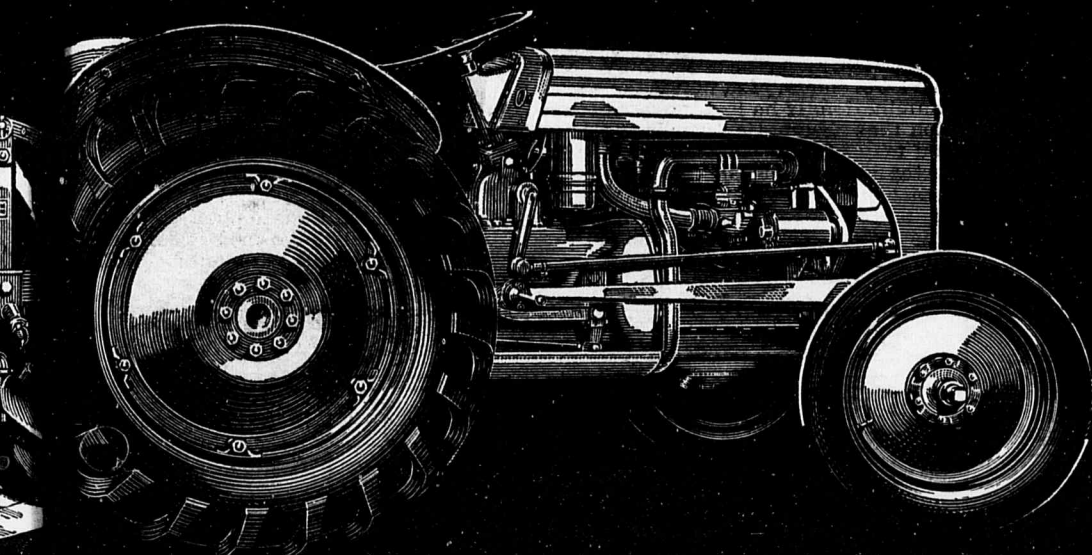
Late in September they started cutting corn and running it thru a feed grinder. They fed this with cottonseed meal. As the remaining corn advanced past the roasting-ear stage it was snapped and run thru the feed grinder and fed with ground hay.

The steers were marketed late in December after gaining 200 pounds and sold for 7 cents a pound above the price for which they were purchased. Koelsch & Son made a nice profit on the late feed crop.

### Onion in Tea Ball

Many recipes call for onions chopped fine. I have found a neat trick that flavors soups, sauces and stews without leaving pieces of onion in the food. After cutting onion in the desired pieces, place the cut-up onion in a tea ball and place in your cooking kettle.—Mrs. Roy Harned.

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Manufactured by Sealy Mattress Co. of Kansas City

## Need Farm Implements This Spring?

Before you visit your dealers, read the ads the makers of farm machinery have placed in this issue. It may help you in your selection of the right tools.

**You Can Depend on  
Kansas Farmer Advertisers**

## Keeping Your Family Well

By CHARLES H. LERRIGO, M. D.

THERE is nothing new about rheumatic fever. But doctors and other people are waking up to its dangers and advising proper attention before it reaches the stage in which heart damage produces chronic invalidism and eventually death. This applies especially to the rheumatic fever of childhood.

There are no outstanding symptoms and no identifying bacteria, so far as present research shows. A child comes home from school thru a chilling wind and shows a mild fever. He doesn't feel well and is quite willing to be ordered to bed. Perhaps he has a sore throat, headache and nosebleed. (A dozen different ailments might give such symptoms.) But the aching centers in certain joints—elbows, wrists, knees perhaps, and has a tendency to shift from one joint to the others; just the signs so often dismissed as "growing pains." Don't let your concern be weakened by any such obsolete term. Think of rheumatic fever instead of growing pains. Get in your call to the doctor.

The doctor may speak of "polyarthrititis" which really means simply "pain in a lot of joints." Let him make a good examination. If he has the least suspicion that rheumatic fever is the cause you may be sure your child is due for a stay in bed. It is the one safe line of treatment. The aching joints will not be better by rubbing. Let them lie quietly in a snug bandage of cotton. The pain is likely to increase for a few



Dr. Lerrigo

days. The doctor will prolong the rest treatment, insist on proper nourishment and perhaps give a remedy for the headache, sore throat and whatever the disturbing symptoms may be. What he really does is to guard against rheumatic fever. Quite likely there will be sweating. It may be profuse and sour so that the dressings must be changed frequently. The doctor will warn you that one spell does not tell the story. He will issue an edict against basketball, tennis, or the more strenuous lines of exercise. Doctors are scared about rheumatic fever; and even more so because symptoms are so vague. And well may that be. Taken early and treated with due care, rheumatic fever will never develop those fearsome heart symptoms that have carried off so many bright children who seemed to be well launched on a life of health and happiness.

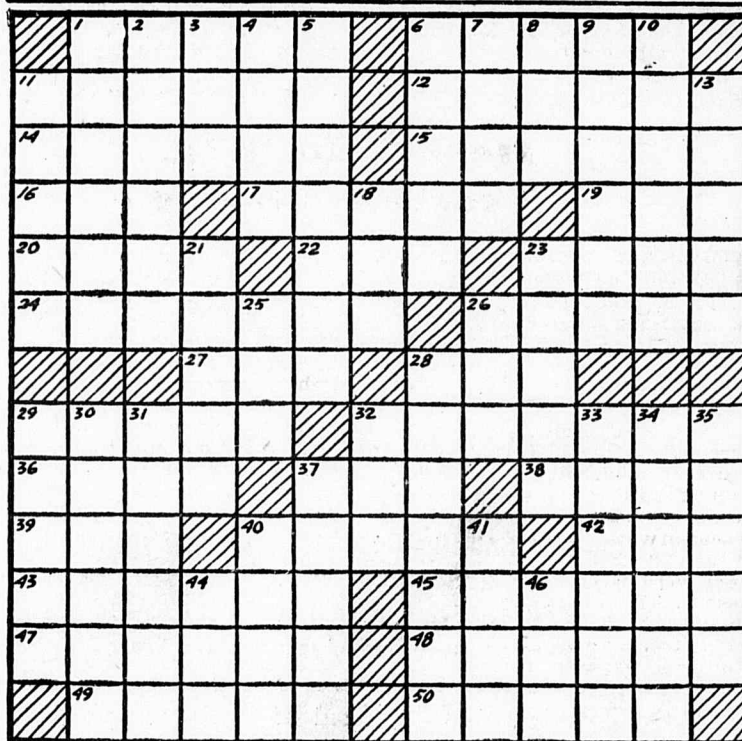
REMEMBER: Diagnosis is difficult—there are no distinct symptoms such as measles or scarlet fever show; there is no skin test to tell the story. The doctor who takes the safe side should have your approval, and you can well afford to disregard childish remonstrances against rest, for that is the best medicine. You see, the real danger is infection of the tissues of the heart, and rest is the safe course.

In addition, you must watch such a child to safeguard him against severe weather; yet see that he has fresh air and sunshine, plenty of good food, long hours of rest, and, above all, don't say "growing pains" if he has aching joints.

### Keeps Worms Away

When I set out tomato plants, I put a little rock wool around them. Then cut-worms do not tackle the plants.—L. H.

## CROSSWORD - - - By Eugene Sheffer



Average time of solution: 27 minutes. Dist. by King Features Syndicate, Inc.

### HORIZONTAL

1. revolving part of machine
6. swagger
11. thick ointment
12. essay
14. a fungus
15. regret
16. rodent
17. unsoiled
19. ill-wisher
20. drug-plant
22. climbing shrub
23. melt
24. mundane
26. of the cheek
27. to the right!
28. entangle
29. of a plane surface

### VERTICAL

32. sunshade
36. hollow metal, sonorous body
37. equal footing
38. solitary
39. harem room
40. pointer
42. pile
43. alter
45. optical illusion
47. of vinegar
48. debater
49. blot out
50. fragrant oil

2. eloquent speaker
3. sailor
4. auditory
5. lie down
6. unrelated
7. for this reason
8. corded fabric
9. beneficial fish
11. jeweler's weight
13. guide
18. candlelight, poetic
21. potential energy
23. mortal
25. food fish
26. spoil

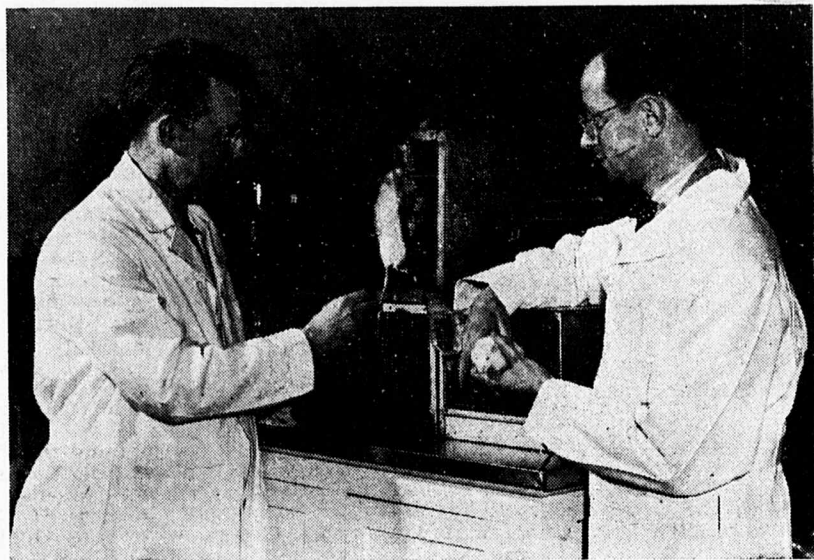
28. low marshy maritime country
29. large serpent
30. curtain
31. click beetle
32. game like napoleon
33. musical composition in related movements
34. wild ass
35. one "unclean"
37. part
40. monkshood
41. uproar
44. Luzon
46. degenerate

(Answer will be found on page 25 in this issue.)



## A Test With Rats

By GENE SPRATT



Two of the 15 white rats to be used in testing Red Squill in Kansas. A. C. Keith, Lattimore Laboratories, at left of picture, will make the experiment, under supervision of Robert Guntert, of the Control Division of the State Board of Agriculture.

HOW effectively rats are killed by Red Squill is the present concern of Robert Guntert, supervisor of the agricultural chemical law for the Kansas State Board of Agriculture.

Under the Kansas Agricultural Chemical act of 1947, all chemicals used in agriculture must be registered with the control division of the board, and must be truthful in the statements made on labels of the packages.

Mr. Guntert explained that part of his work is to check these chemicals to make sure the statements made are truthful. In checking Red Squill, however, a problem is created by the fact that no known chemical test will show how potent or how much Red Squill is present in any given product.

To solve this difficulty, and to make a check on the Red Squill being sold in Kansas, the control division has purchased 15 albino rats.

A method developed by the Fish and Wild Life Service of the Department

of Interior at Denver, Colo., will be used. Mr. Guntert explained this procedure is the most efficient test known.

A. C. Keith, of Lattimore Laboratories in Topeka, is to make the actual tests. The 15 white rats are to be fed a basic ration for 2 weeks. At the end of this period they will be starved for 24 hours, then given baits of Red Squill.

Judging from the number dead, Mr. Keith will be able to determine, he believes, whether purchasers of Red Squill in Kansas are getting what they pay for.

Actually, according to Mr. Guntert, Red Squill is a perennial bulbous plant that comes from Mediterranean areas where it grows wild. The bulbs of the plant vary in size from 1 to 10 pounds and are carefully dried when preparing them to be used as poison.

The poison has long been popular as a rat killer in this country because it affects only rats, and is not fatal to other animals such as cats or dogs.

## More Grass With Moderate Grazing

MODERATE, or controlled grazing, actually increases the amount of grass produced on native pasture, according to an experiment conducted by Dr. F. W. Albertson, head of the botany department, Fort Hays Kansas State College.

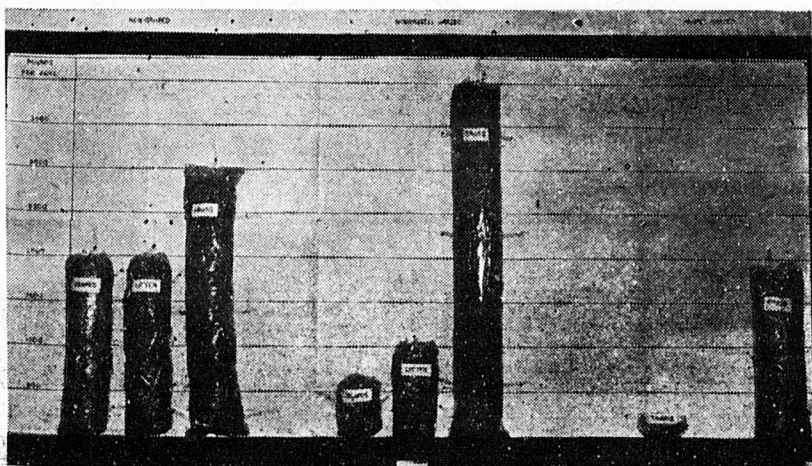
For this experiment, 3 test plots were used and results computed on a 1-acre basis. One plot was ungrazed pasture, 1 moderately grazed and 1 heavily grazed. From these 3 plots all litter, debris and grass clippings for a full season were collected and weighed. For the experiment the following definitions were used for debris, litter and grass: Debris—old vegetation growth, including old flower stalks that lie loosely strewn about on top of the soil or intermixed with new growth of grass. Litter—partially decomposed material that forms a compact mulch on top of the soil. Grass—live growth measured by clippings.

On the non-grazed pasture debris amounted to 2,000 pounds an acre, litter 2,000 pounds an acre and grass 3,000 pounds an acre as measured by the season's clippings.

For the moderately grazed pasture, debris was cut down to 600 pounds an acre, litter to 1,000 pounds, but grass production was boosted to 4,000 pounds. According to Doctor Albertson, the amount of debris and litter left thru controlled grazing is sufficient to maintain favorable sod conditions.

On the heavily grazed pasture, debris amounted to about 250 pounds an acre, there was no litter and grass clippings weighed only slightly less than 2,000 pounds.

It can be seen from these figures that heavy grazing not only cut grass production in half, but failed to leave enough debris and litter to maintain proper sod conditions.

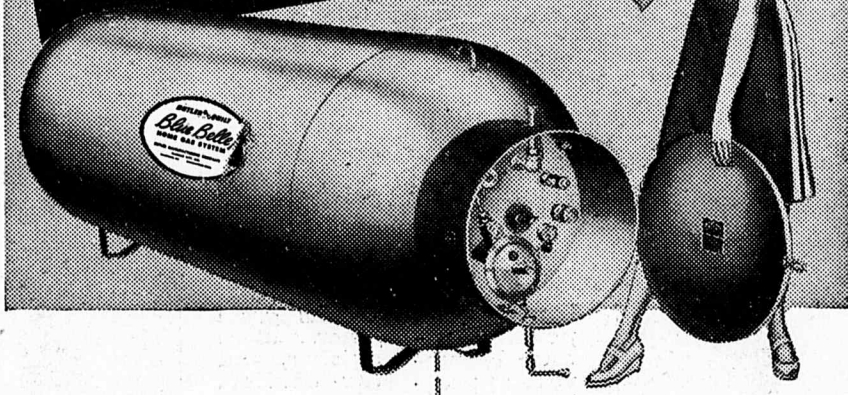


This display, designed by the botany department at Fort Hays Kansas State College, shows the effect of moderate and heavy grazing on pasture yields. Moderate grazing, as shown in the center, increases grass production.

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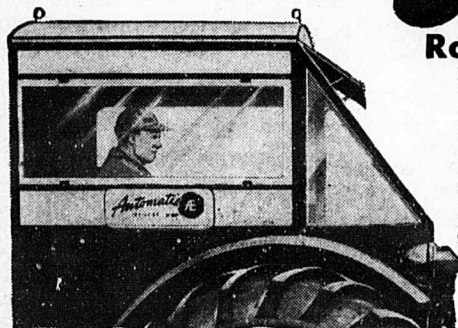
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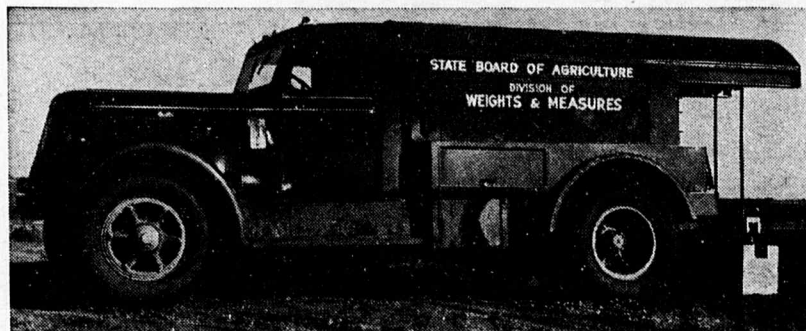
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(Model Shown in Picture.)  
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INTERNATIONAL W9, WD9  
COCKSHUTT 30

## Will Test Scales in State

By GENE SPRATT



The new vehicle scale-testing truck owned by the State Board of Agriculture. This truck will test scales thruout the state. The hydraulic lift handles 3,000 pounds at a time and 17,000 pounds of weights are used with the truck.

WEIGHTS and measures that are vital for the operation of all transactions in commerce in Kansas and in the world, are receiving the attention they deserve in our state for the first time.

In 1947, the Kansas Legislature revised an ancient law and created a Division of Weights and Measures to be under the jurisdiction of the Kansas State Board of Agriculture. Naturally time has been required to get the new department into operation, but now indications are that an active testing program will be under way soon.

J. Fred True was chosen as the state sealer of weights and measures to head the new department, and since his appointment he has been active in organizing the equipment necessary for his work.

One of the first undertakings by Mr. True was to go to Washington, D. C., and enroll in a special course for men concerned with weights and measures work that was conducted by the National Bureau of Standards.

This school has just been completed and Mr. True has received a certificate attesting to the fact that he successfully passed all required tests concerning his work.

The National Bureau of Standards only recently organized this school and Mr. True was in the first group to take advantage of the training offered. Lasting 2 weeks the enrollment is limited to 10 persons, and now that the program is under way the Federal Bureau plans to conduct similar schools in the future.

Equipment for the new department was another problem Mr. True had to overcome in establishing an efficient

organization. After considerable difficulty enough equipment has been gathered to enable Mr. True to start checking on weight and measure devices that are used in Kansas.

Outstanding among this equipment is a new special truck for checking the heavy-duty scales of the state. This truck, which has just been delivered, is considered one of the finest in the nation and at present there is only one similar machine in operation. It was especially built to conform to Kansas requirements, and should prove a real asset toward assuring the citizens of the state that heavy-duty scales in use are accurate. The truck has 17,000 pounds of weights that are in 500- and 1,000-pound units. A feature that was designed for more efficient operation is a hydraulic lift that handles 3,000 pounds of the weights at a time, which greatly speeds up actual scale-testing operations.

While in Washington, Mr. True had one 500- and one 1,000-pound weight calibrated by the National Bureau of Standards and sealed. Within a short time all the other weights will be sealed conforming to the 2 checked by the federal division.

Altho a definite start can be made in testing the scales and measuring devices in the state, Mr. True stressed that as yet not enough equipment is available to do the job as completely as would be desirable. As illustration of his remarks, True pointed out that there are more than 3,000 heavy-duty scales in Kansas which will take considerable time to check. And it will be impossible to test these scales as often as the most satisfactory arrangement would demand.

## The Editor's Notebook

By RAYMOND H. GILKESON

MILLIONS of folks overseas would like to come to the United States to live. Perhaps this is a typical example: In a letter, Alfons Wollstein, of England, asks for advice and help "as to how I could get to America on farming work. I have 2 sons, aged 16 and 14, and a daughter, 18, who would all be willing to work with me. My age is 43 years. . . I can drive a tractor lorry and do most jobs, also milking . . ."

We should thank our lucky stars we do live in a country of unlimited opportunities, unmatched freedom, enjoying the highest standard of living on the face of the earth. With enough to divide with unfortunate countries around the world. Let's continue to "Make Freedom Ring."

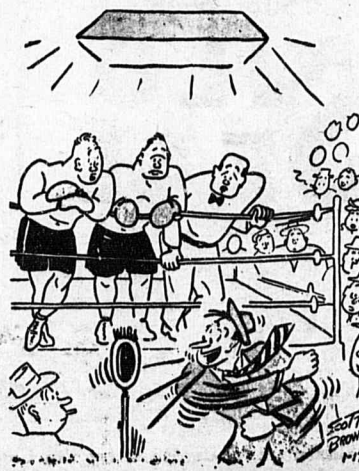
There always is something new in the United States—something that shows improvement, progress; the result of free men putting their talents to work. I was reminded of this the other day when I got on General Motors "Train of Tomorrow" at Emporia for a "demonstration" ride to Topeka. Pulled by a 71-foot GM Diesel locomotive, this blue-silver, 411-foot train is the last word in comfort. Besides the locomotive the train has a chair car, lounge car, diner and sleeping car.

I wondered why an automobile company like General Motors was going into the railroad business. Well, General Motors isn't going into that business. The company has been supplying internal combustion motive power to American railroads for 25 years, and has made other worthwhile contribu-

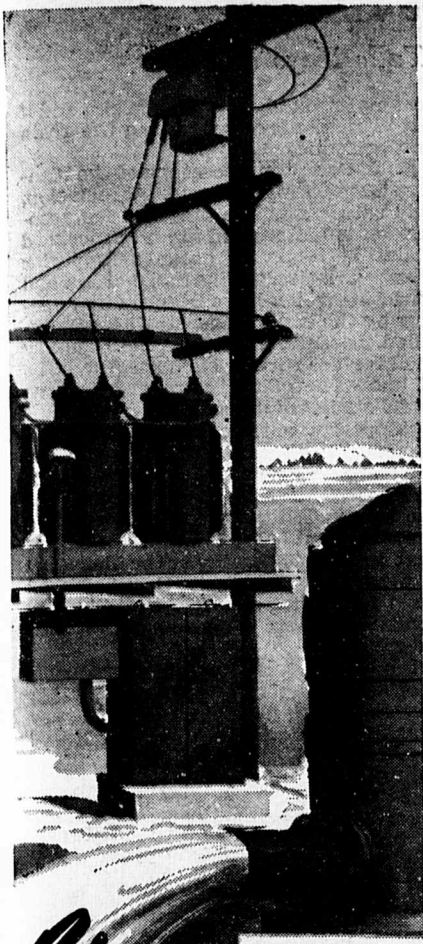
tions to the railroad industry. So General Motors created the Train of Tomorrow simply as a means of trying out several new car designs.

It is interesting to note that between 75 and 100 companies actually supplied materials and "know-how" that went into this train. It is a brilliant example of industrial teamwork. Makes a person realize how much one business depends on many others—and how all depend on agriculture.

This Diesel locomotive has 2,000 horsepower (two 12-cylinder, 2-cycle, V-type Diesel engines) and weighs 318,000 pounds when loaded. Wouldn't (Continued on Page 23)







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that power turn a neat furrow? Chair car weighs 147,000 pounds (empty) and seats 72 passengers. Outside finish of the train is steel and glass; interior finish, metals, wood, plastics and fabrics—all in 37 different colors.

One of the many innovations on this train is the "Astra Dome" on top of each car. These are streamlined, glass-enclosed, and stick up 2 feet above the car roof level. This affords passengers "a sunlit or starlit" view in every direction. Comfortable seats are adjustable so you can tip far back and look at scenery "straight up" if you are traveling thru mountain canyons.

All cars are air conditioned, have fluorescent lighting, telephone service from car to car, or from "train to anywhere." Of course, all cars have radio.

It is predicted such trains as this will be operating in the future—at no extra cost. This one is as outstanding as your new automobile, tractor or combine. Or the new home you are building.

I was lucky in drawing Herbert W. Clutter, Holcomb, who farms several thousand acres, as my banquet guest a few night ago. He was on tour with boosters for the Western Kansas Development Association. This association is the "voice of 38 Western Kansas counties" which is telling the world that Western Kansas is green and agreeable, a good place to live; that it has tremendous developments in deep-well irrigation; that it has mineral-rich soil which is producing the most nutritious foods in the nation; that it has unlimited gas and oil supplies promising cheap, ready fuel for industries. The Topeka Chamber of Commerce put on the banquet.

Vice-president S. F. Gish, of WKDA, gives us the association's 6-point program:

1. To promote the general welfare of the people of Western Kansas.
2. To encourage education.
3. To encourage development and conservation of its mineral and other natural resources.
4. To extend and improve its transportation facilities.
5. To foster and protect the agricultural and livestock industries.
6. To stimulate expansion in manufacturing and commerce.

Nearly 2 years ago Ed Rupp wrote a story about Jeanerett brome grass. This small, 8-acre field of brome in Lyon county, near Hartford, was planted 38 years ago and had come thru all the bad years since that time with flying colors. With ammonium nitrate fertilizer, the present owner of the farm, Harold Jeanerett, has been able to harvest some seed from the old field. But not nearly enough to supply the huge demand. After the Kansas Farmer story appeared, Mr. Jeanerett reports he was swamped with requests for seed. Letters came in at the rate of 4 and 5 a day for sometime after that. He was not able to supply them all with seed, but he did answer all the letters. "How many states did we get letters from?" Mr. Jeanerett asked his young daughter.

"I think it was 30," she replied. Kansas Farmer is proud of its circulation, covering our whole state, but does not claim to have reached 30 states. The Kansas Farmer story was reprinted in several other publications over the U. S.



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- Because this Spring's check-up is so vital, we suggest you let your friendly Champlin Dealer help you. He has many other good suggestions that will save you time . . . and insist on HI-VI, the Motor Oil with . . .

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ON THE GROUND . . . OR IN THE SKY

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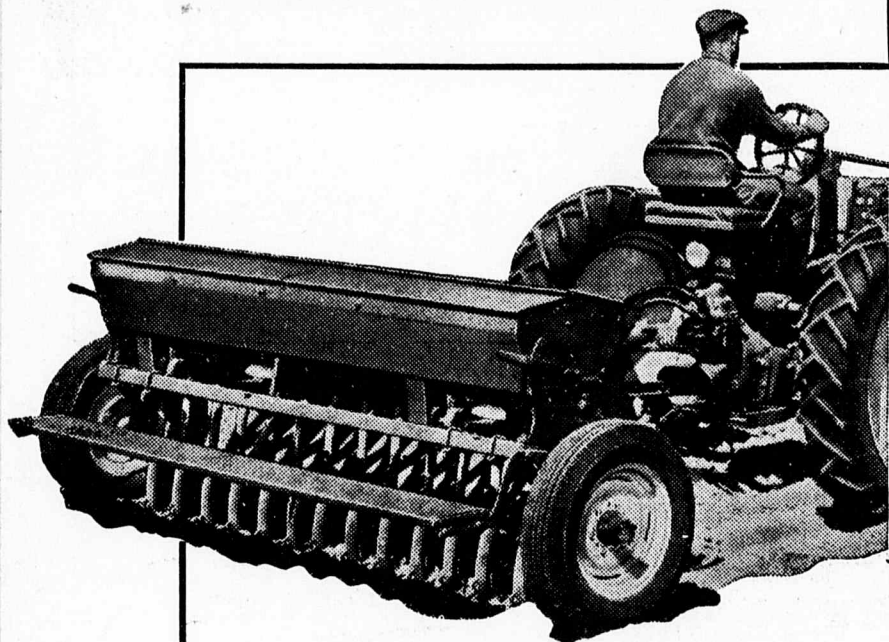
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Help fight erosion by joining the "Friends of the Land." Write your local chapter, or national headquarters at Columbus, Ohio.

# PHILLIPS 66 PREMIUM MOTOR OIL

## Must Attract Industry Governor Carlson Tells Hays Meet

STATING the Kansas farm plant is valued at 2 billion dollars, Governor Frank Carlson told those attending the Agriculture, Industry, Science Conference, at Hays, April 8 and 9, that this huge investment is worth protecting thru good farming methods.

While Kansas farmers, under favorable conditions, produced 1½ billion dollars worth of products during 1947, Governor Carlson said, only 6 per cent of the land is being farmed under sound conservation plans. He listed soil conservation as the No. 1 problem in the state.

Agriculture and industry in Kansas were urged by the governor to do everything possible to create more jobs for farm youth. "In the past," he said, "we have been putting our farm youths thru high school and college, then telling them they must go to some other state for jobs. We must build or attract industries in Kansas to put these young people to work within the state," he concluded.

Milton S. Eisenhower, president of Kansas State College, said world population is increasing while food production is decreasing. "We are facing the specter of permanent world-wide hunger," said President Eisenhower. "Even before the war," he said, "two thirds of all the people in the world were undernourished, and half of the world's population suffered disease, misery, and premature death because of insufficient food." World food production would have to be increased by 110 per cent to give everyone a daily diet of 2,600 calories," he explained.

### Would Raise Standards

In order to balance population with food production limits President Eisenhower proposed 2 things: Industrialization and scientific farming thruout the world to raise living standards which, in turn, lead to lower birth rates, and a world-wide soil-conservation program to save what productive soil is left. This world-wide conservation program should be a top program with the United Nations, he said. People of the world have not found any agreement on ideologies, President Eisenhower pointed out, but they surely could agree on how to fill a gully or build a terrace. By joining together to fight the common enemy of hunger they might find the basis for understanding in other things, he concluded.

Speaking on the use of adapted varieties of farm crops for greater profits, A. F. Swanson, agronomist at the Fort Hays Experiment Station, said the latest wheat varieties are outyielding older, less-adapted varieties by 4 and 5 bushels an acre. At \$2 a bushel, this means added profits of \$8 to \$10 an acre.

Future increases in yield thru plant breeding probably will not be as great, Professor Swanson said. Improvement, instead, will be along the lines of obtaining resistance to various diseases and insects, stiff straw and high quality for milling and baking.

Present study on spring barley is designed to develop varieties free from loose smut prevalent in the area, Professor Swanson said. A well-planned program also is under way for improving winter barley for smut resistance, winter hardiness, smooth awns and high yields.

Latest improvement in oats, said the agronomist, was the introduction of Cherokee and Nemaha in February, 1948. These new varieties have high resistance to rusts and smuts and to Victoria blight. Little seed of these new varieties will be available before 1950.

A new forage sorghum, Ellis, was approved for distribution in February, this year. It is a cross between Leoti x Atlas made to get the nice, bright leaves of Leoti and sweetness of stalks as well as a white, palatable grain. Maturity and yielding ability of Ellis will be about the same as for Norkan, Leoti and Early Sumac, explained Professor Swanson. It should serve well as a dual-purpose crop. The grain is waxy and could be used industrially.

The future of grain sorghums as a cash crop in case wheat prices become less favorable has some promise, Professor Swanson related. Considerable sorghum grain now is being shipped to India for human consumption and its use for human food may spread. Industry may utilize considerable amounts in the future if farmers can produce

and maintain high-quality grain, and if better methods of processing the grain can be found.

L. L. Compton, secretary of the Kansas Crop Improvement Association, told farmers at the meeting the association is "interested in and concerned about high-quality seeds of superior plant varieties." Only those crops and varieties which have been found superior by the experiment station are certified, he said. To insure high-quality seed for the farmer such seed must be of known heredity and must be grown and distributed under supervision.

"Contrary to the conception of some, it is not the purpose of the certification program to benefit seed growers and handlers," Mr. Compton stated. "It is the responsibility of the Kansas Crop Improvement Association to assure that nothing unworthy of the blue label is permitted to bear it. Certified seed must have that superior heredity and quality farmers require of the seed they buy."

Moderate grazing on short-grass pastures will provide more than 1½ times as much gain per steer as heavy grazing, over a 5-year period, stated D. A. Riegel, assistant professor of botany, Fort Hays Kansas State College. "Fifty to 60 per cent of the total grass by weight should be left in the pasture," he stated. Moderate grazing, plus liberal use of temporary pastures, will assure greater profits and maintain permanent pastures in the best condition, he said.

A good seedbed, firm and weed-free, is the first requirement for reseeding native grasses, said F. E. Meenen, forage crop specialist, Fort Hays Kansas State College. He recommended sorghum or cane stubble, or fallow. "Stubble is the best seedbed as it helps prevent erosion," he said. Sorghum should be mowed before it goes to seed and with stalks 8 to 10 inches tall left in the field. Grass seed then can be drilled in the stubble without further preparation. On fallow, Mr. Meenen suggested delaying seeding until 1 or 2 weed crops have been killed.

### Plant Too Deep

"Most grass-seeding failures are due to planting too deep," Mr. Meenen explained. He recommended one-half inch depth. New seedlings should not be grazed the first year and should be grazed only moderately about the middle of the second season.

"The new weed-killing chemical, 2,4-D is a 2-edged sword and must be used intelligently," stated F. L. Timmons, agronomist at the Fort Hays Experiment Station. "All crops are affected some by the chemical, and can be harmed if the chemical is applied at the wrong time," he explained. Pointing out that much spraying of wheat would occur this year, he warned against spraying until wheat is thru stooling, and against spraying when the wheat is in the early bloom stage.

"The use we make of rainfall is as important as the amount we get," stated Glen Railsback, Lincoln, Nebr., soil conservationist with the U. S. Soil Conservation Service. He explained that about 21 per cent of the average year's rainfall of Western Kansas goes into the soil, 13 per cent runs off, and 66 per cent evaporates. He also pointed out that Western Kansas soil is especially good for growing crops that produce best on stored moisture in the subsoil.

Best use of available rainfall in the area, he said, can be obtained by proper land use and soil- and water-conserving practices.

Economic pressures are responsible for much abuse of the land, stated E. H. Coles, superintendent, Colby Experiment Station. He listed these pressures as including the profit demands, too heavy a debt load on the farm, too heavy tax burdens, and the demands of war.

The Hays conference was sponsored co-operatively by the Kansas State Chamber of Commerce, Western Kansas Development Association, Kansas Industrial Development Commission, Kansas Farm Bureau, Kansas State College, Fort Hays Kansas State College, and the Hays Chamber of Commerce.

During the 2-day conference, panels on agriculture, the home and industry were held. Ward Sullivan, of Hays, was general chairman.



## Wonderful Results Raising Baby Chicks

Mrs. Rhoades' letter will no doubt be of utmost interest to poultry raisers. Read her experience in her own words: "Dear Sir: I think I must be one of the very first to use Walko Tablets. Some 35 years ago when I started raising chicks I saw Walko Tablets advertised as an aid in preventing the spread of disease through contaminated drinking water. I tried a package for my baby chicks with happiest results. I have depended upon Walko Tablets ever since." Mrs. Ethel Rhoades, Shenandoah, Iowa.

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F21 the stripe shown here can be had with jacket to match from the Fitz Overall Co., Atchison, Kan., thru your local dealer. There is a big difference in overall appearance.

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Dept. L-51, Salina, Kan.



## Annual Round-Up And Feeders' Day

The program for the annual Round-Up and Feeders' Day at the Fort Hays Experiment Station, to be held this year on Saturday, April 24, is announced by Supt. L. C. Aicher. Roy Freeland, assistant secretary of the State Board of Agriculture, will preside at the meeting.

Dr. S. S. Wheeler, head of the department of animal husbandry at Colorado A. & M. College, will address the group on "Some Recent Developments in Beef Cattle Breeding in Colorado." J. J. Moxley, president of the Kansas Hereford Association, will discuss "Some Needs of the Beef Cattle Industry in Kansas." Herb Barr, president of the Kansas Livestock Association, will present some features of the program of the Kansas Livestock Association which were adopted at its last annual meeting. Dr. A. D. Weber, head of the department of animal husbandry at Kansas State College, will analyze the results obtained in the full-feeding trials just concluded. The results obtained in the calf-feeding trials during the past winter months will be presented by Frank Kessler, animal husbandman at the station, and the results obtained in the feeding of breeding heifers will be discussed by Supt. L. C. Aicher.

In announcing the program, Mr. Aicher stated that the meeting will begin promptly at 1:15 p. m. The morning will be devoted to looking over the cattle in the feed lots and the breeding herd. A program for farm women has been provided.

### Harvests Wheat Grass

A small patch of Intermediate wheat grass on the H. E. Stuckey farm, McPherson county, made a good return last year in spite of some difficulty during its harvest. He combined between 1,000 and 1,200 pounds of seed from 7 acres. The seed is priced at approximately 50 cents a pound.

Mr. Stuckey said he had prepared the ground for wheat in fall of 1945. But just at wheat-seeding time learned he was getting a small amount of the grass seed. It was seeded late, October 10, but made a good stand. That fall the grass was pastured off when it failed to produce seed the first year.

He drilled the grass in 40-inch rows, plugging 4 holes and seeding one. He cultivated the crop once that year and another time last year. The seed was harvested July 31. Once the crop had matured, the seed ripened very rapidly, he reported. He lost some because of shattering.

Intermediate wheat grass, which came from Russia originally, was improved at the South Dakota experiment station. It is capable of withstanding severe cold and so far has done well under drouthy conditions. It may be a grass suitable for seeding in areas not well adapted to production of brome grass.

### Dust Mop Hint

When I wash the head of the dust mop I put it inside of a flour sack and tie the end of sack and put in the washer. In that way washer drain or the laundry drains are not clogged as all that lint is secure in the sack.—Mrs. D. B. F.

### Clips the Addresses

I clip my name and address from all the typewritten envelopes which come to me, and keep in small box on writing desk. When anything calls for "print name and address" I use one of these clipped addresses instead of printing with pen and ink.—Mrs. C. Butler.

### Answer to the Crossword Puzzle

(See Page 20.)

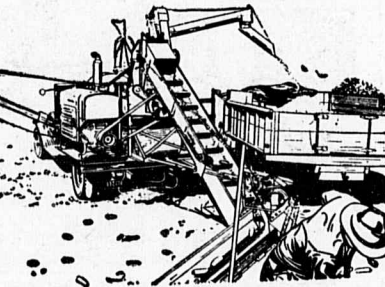
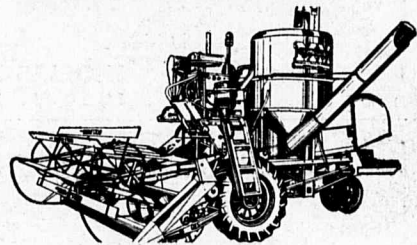
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Green high protein hay increases milk production, makes fast gains.  
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From our big blueprint.  
Drawn by us for you. **THE KoolHay WAY**

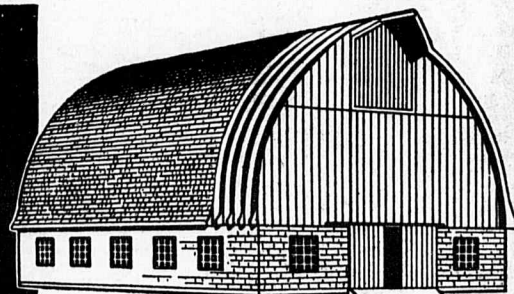
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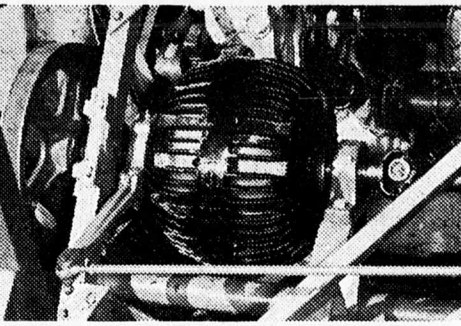
Here's your new barn! Good to look at—easy to work in. Rilco framing provides brace-free interior construction. No posts—no braces to get in the way of time-saving barn accessories. Modern, streamlined, Rilco Rafters form exceptionally strong, wind-resistant barn framing.

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Installation on Massey-Harris Self Propelled Combine.

## with a THOMAS Vari DRAULIC TRACTION DRIVE

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**INCREASED THRESHING EFFICIENCY**—Maintains maximum grain volume in threshing cylinder—prevents cylinder slugging.

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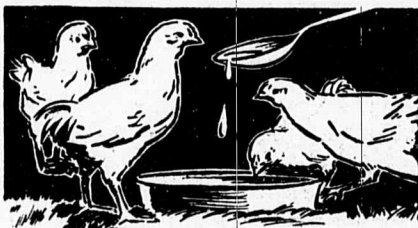
DECREASES HARVESTING COSTS

\*Standard Equipment on Minneapolis Moline 1948 models.

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12 oz. .... \$0.75  
1/2 gal. .... 2.50  
1 gal. .... 4.50

### ACIDOX

Aids in control of coccidiosis along with sanitation. Helps cut "out of the pocket cost" in curbing this disease. Use of Acidox may run as low as 1c per bird for the season. Just add to drinking water according to simple directions on bottle. In most cases a quart will supply the entire seasonal need for 200 birds. At your Lee Dealer.

12 oz. .... \$1.00  
1 qt. .... 2.00  
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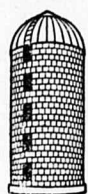
### FLEX-O-SEAL PRESSURE TIGHT

**PORTABLE IRRIGATION PIPE**  
Vegetable, Fruit and Tobacco Growers save time, labor, power and pumping costs with Flex-O-Seal Irrigation Pipe. Quick-action coupling speeds up assembling and disconnecting in the field. Can be quickly disconnected at any point without disturbing balance of the line. Pressure combines with gasket to seal joints. Flexible joints save fees and elbows thus reducing friction loss. Available in Aluminum or galvanized 3, 4, 6 and 8-inch diameters.

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Cheap to install. Trouble Free. Also Tile Stave Silos. Outside Reinforcing.

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Write for prices. Special discounts now good territory open for live agents.

**NATIONAL TILE SILO COMPANY**  
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STATE SIZE WANTED KANSAS CITY 15, MO.

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### Automatic HYDRAULIC DUMP RAKE RAKE HAY IN HIGH GEAR

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- **RUGGED**—well braced—fully hinged!
- **POSITIVE**, fast finger-tip hydraulic dump
- **SWINGS** to Transport Position easily—low clearance—9 ft. wide
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- **FOR ALL TRACTORS**

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Profits go up when hay making costs go down! Speed in raking hay, cleaning fields in a few minutes will often save many times the cost of this amazing new rake. Equip yourself NOW with the Automatic Hydraulic Dump Rake. Lends itself readily to all conditions and emergencies.

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Dept. KF-24 PENDER, NEBRASKA

SIGN AND MAIL TODAY FOR FULL DETAILS

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## Now That You Have Electricity

By CHARLES HOWES

**F**ARM folks who now have electricity, and who lived on a farm prior to its installation, are the real supporters of electric service. Frankly, rural uses far exceed those to which a city family can put this servant. Thus the contrasts of before and after are all the more vivid on the farm. We've heard some say, "It's just like putting on several hired men for the cost of one."

From some of the farm installations we've seen in and about Kansas, that statement certainly could be conservative.

George C. Merkel, an electric-agricultural man up in Iowa, sent some useful data on electric farm-water systems. He says folks who have water installations know for sure that farm work now is much easier and more enjoyable. After all, water is a necessity, getting it a chore.

For instance, he says each member of the farm family needs about 35 gallons a day for bath, kitchen, laundry, and similar uses. Each milk cow needs 25 gallons; horses, mules or fat steers require 15 gallons each; a hog, 2 gallons; 100 chickens, 5 gallons; sheep, 1.5 gallons. You would spend from one fourth to one half of your working time pumping water for even a medium-size operation. If your time is worth anything to you, it would seem an electric water system would pay for itself in a short time.

Here are some figures taken from an Iowa experiment cited by Mr. Merkel. Going back to those water consumption figures, he pointed out that dairy cattle require from 25 to 30 gallons of water a day. If this is available 24 hours a day, rather than only occasionally, the cows drink more and produce more. It is estimated the animals will drink 40 per cent of their water at night. That would increase the butterfat output by as much as 10 per cent over occasional watering.

Heard of a man who had one of those germicidal lamps in his dairy barn, those funny colored lights that kill airborne germs. Cost much, I asked? He figured his 5-watt ran about 3 cents a week, burning continuously. That's too small an investment to figure if it means keeping that bacteria count within bounds.

Now we've seen everything department: Darned if they don't have an electric soil-heating cable, thermostatically controlled, to keep the earth in your hotbeds up to growing temperature. Of course, it's a little late to be talking about that item except that we just heard about it. And you can con-

trol the rate of growth of the plants simply by adjusting the thermostat. What they won't think of next.

Another item on this soil-heating apparatus tells of a use by celery growers. Apparently the crop goes to "seed," like lettuce "bolts," if the plant becomes chilled, hence it is not marketable. The heating cable prevents the loss.

One way to take out "life insurance" on your electrical appliances is to store them in a clean, handy, dry place. Dripping and banging is a major casualty factor, altho manufacturers don't make fragile equipment willingly. Nevertheless, the thin wires that some appliances require can be broken by a jolt, or may deteriorate when excess food or dirt gathers on them.

Just a note of warning. We've heard of a few fire claims that were disallowed when the insurance inspectors found that coins had been used to replace fuses. Don't do it. Fuses are safety valves to keep your wiring and equipment from starting fires. They are expendable. Homes and barns are not.

From good authority comes an indication as to how farmers are using more and more electricity. Last year, the average monthly consumption per farm was 123 kwh. It was 114 the year before.

Here's a good one. An appliance store in Iowa offered to trade merchandise for corn and hogs. One farmer brought in 14 hogs, took away an electric range, a 9 cubic foot refrigerator, a toaster, and \$36.27 in change. That gets right back to the early principles of barter and exchange, doesn't it?

We seem to lean to dairy uses of electricity. But some stuff came up about buying milk coolers that is worthy of passing along to you. In selecting coolers:

1. Buy quality. Don't be blinded by low price.
2. Be sure the equipment is going to be large enough. You may want to expand in the future.
3. Check whether the cooler has a circulating pump for rapid cooling.
4. Ask your dealer what his service facilities are.
5. Is it well-insulated?
6. If you want quick cooling, does it have an aerator, (a special spray arrangement) or automatic neck-high leveling provisions which function regardless of the number of cans used. You see, rapid bacteria increase is most likely in the top 3 or 4 inches of a can.

Of course, there are some other features, depending somewhat on individual needs.

## Winter Oats Made Good

**I**T SEEMS Kansas farmers might well investigate the possibilities of winter oats. H. H. Mormann, of Allen county, found some Arkansas Traveler winter oats seed in Oklahoma in 1946 and seeded 5 acres that fall. The oats survived 19 degrees below zero temperature during the winter.

After the oats got a good start, Mr. Mormann pastured it with 20 head of cows and calves and 2 horses thruout the winter when weather was favorable for pasturing. Pasturing was stopped about April 1, and the oats went on to make a little more than 90 bushels an acre.

As a result of this experiment he seeded back 15 acres last fall. He thought about March 15 this year the crop was dead, as all top growth appeared to be killed. However, when he examined the plants closely he found them green at the bottom and ready to come on. "If these winter oats do as well this year as last I don't plan to seed any more spring oats," reports Mr. Mormann.

However, he is convinced the crop is worth seeding for pasturage alone. "You can get enough pasturage to af-

ford to forget about the grain," Mr. Mormann states.

There are 2 varieties of winter oats that might be grown in Kansas. They are Arkansas Traveler and Wintoke. Neither is recommended for Kansas, however, and anyone trying them should do so on a small scale over a period of several years, warns Allan Goodbary, Allen county agent.

## Poultry—Gardening

The following Kansas State College Extension publications are available as long as the supply lasts:

- Circular 155—Kansas Brooder House and Range Shelter.
- Circular 145—Kansas Poultry Equipment.
- Circular 101—Garden Guide.
- Circular 194—Vegetable Varieties.

Please address your order to Farm Service Editor, Kansas Farmer, Topeka.



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You actually cut the feed bill when you sell valuable milk and buy Blatchford's Pellets—the original milk replacer. For over 147 years it has been the standby for dairymen who want to raise good calves the economical way. Wherever milk is required Blatchford's Pellets fill the need profitably.



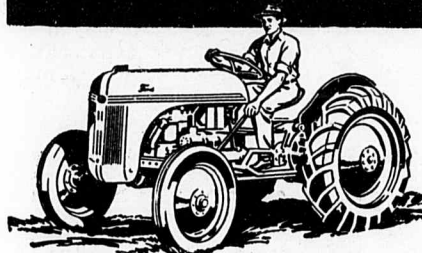
Write today for BLATCHFORD'S CALF MANUAL... a practical, illustrated guide for raising profitable young stock.

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ESTABLISHED IN 1800  
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NEW WAY TO PROFITS IN POWER FARMING



Get more out of your tractor. Use the right gear speed for every job. Do more work in less time—at less cost. Save engine wear, gas and oil. Install the Sherman Step-Up Transmission in your tractor before spring work starts. See your Ford tractor dealer.

OVER 50,000 FORD TRACTORS NOW EQUIPPED WITH THE SHERMAN STEP-UP TRANSMISSION

SHERMAN PRODUCTS, INC.  
ROYAL OAK, MICHIGAN

PAYS FOR ITSELF IN ONE SEASON

Made by the makers of the FARM-CRAFTER

**SHERMAN**  
**STEP-UP**  
TRANSMISSION

## Glad He Kept His Turkeys

IF YOU are in the turkey business on a very large scale, it pays to have your own breeding hens, believes L. G. Wilson, of Miami county. "Of course," adds Mr. Wilson, "you must have an outlet for surplus eggs."

He has been handling Broad Breasted Bronze turkeys for 9 years and has had his breeding flock 4 years. This year he is keeping 208 hens and 23 toms, with toms running a little better than a 1-to-10 ratio. Turkey bits are used to prevent hens from picking the toms.

The string of toms is divided into 2 groups. Half are left with the hens and half kept in the resting pens, and these are changed every week. One tom is kept in the broody pens and, according to Mr. Wilson, is effective in shortening the broody period for hens.

Four broody pens are used for the hens. When a hen shows signs of broodiness she is taken off the nests early in the evening and fenced off from the nests in an alleyway. She is shut away from the nests for 5 nights and 4 days while being shifted thru the series of broody pens.

A big time and labor saver in handling broody hens is use of alleyways from the main pen to the broody pens. All broody hens are driven to and from the main pen and never have to be handled. "It is a big job to catch and carry broody hens around the place," states Mr. Wilson.

Roosts for the flock are closed on the north, west and east sides and left open on the south. Birds are fenced off from the roosts during the day. He believes this helps discourage broodiness.

Stampeding at night is prevented by mounting a searchlight in such a position that the roosts remain in darkness, but all the area in front of the roosts is visible to the birds.

Mr. Wilson contracts with a hatchery in his area to take all eggs above his own needs. He has raised 6,000 to 7,000 a year, but for several years now has been starting with around 2,400 poults and marketing 2,000.

### A Big Decision

Whether to hold onto his breeding flock this year was a big decision, since market conditions have not looked too good. But Mr. Wilson is happy now he held on because he anticipates a good year. Demand for poults this spring has been above supply and he looks for cheaper grain prices after harvest. "I know a lot of farmers who are trying to buy poults now but who can't get them," Mr. Wilson says.

Grain feeding for the Wilson flock is cut considerably by use of Balbo rye pasture. The flock is turned on the rye in March after the plants get a good start. From one half to three fourths of an acre of Balbo will pasture 200 head of turkeys from early in March to late May or June 1 if weather conditions are favorable, states Mr. Wilson. "Pasturing Balbo rye cuts down both mash and grain consumption and increases hatchability of eggs."

Green alfalfa hay is kept in racks before the hens at all times when they are not on pasture. "Hens should have all the feed and water they will eat and both should be placed in the most convenient locations," he believes.

A supplemental wet mash is fed at noon in addition to self-fed laying feed. Oats is fed free choice but corn feeding is limited. One-half bushel of corn a day for the flock is all that is allowed. "I hold down on the corn to prevent the hens from getting too fat before the laying season," Mr. Wilson explains. Oyster shell in abundant quantities is before the hens at all times.

There are 2 main reasons why Mr. Wilson likes to maintain his breeding flock: He knows when he can get poults and what quality those poults will be. He also believes there is less danger of disease.

### May Entertainment

Entertaining at a tea for Mother's Day? Or having a mother-daughter party? We have a limited supply of leaflets on hand which may help you with suggestions. In writing, please request leaflet, "For Mother's Day" and enclose 5c. Entertainment Editor, Kansas Farmer, Topeka.



Tests at the University of Illinois show that a feed lot paved with concrete is worth \$7 a year for each steer fed on it. Here's how it works:

Faster, cheaper gains . . . . .	\$2.50
Manure saved . . . . .	1.50
Savings in labor and bedding . . . . .	1.00
<b>PLUS</b>	
Gains by hogs on salvaged grain . . . . .	2.00

3 men and a boy . . . in 1 day . . . CAN BUILD  
A FEEDING FLOOR FOR 20 HEAD OF LIVESTOCK  
with 62 bags Lehigh Cement . . 6 cu. yds. sand  
8 cu. yds. gravel and a concrete mixer

\*If your dealer can supply you with a ready-mixed concrete, the job will require about 10 yards, and can be done with less labor.

Your Lehigh dealer can give you plenty of good advice on any concrete work you undertake . . . feeding floors, tanks, walks, flumes or whatever. See him next time you're in town.

**LEHIGH**  
CEMENTS

LEHIGH PORTLAND CEMENT COMPANY  
ALLENTOWN, PA. • CHICAGO, ILL. • SPOKANE, WASH.

## Buy the Right Lubricants For Your Tractor

No use taking chances of buying cheap oil when there are so many high quality lubricants on the market.

Before you buy, look over the lubrication ads in this issue of Kansas Farmer. It will pay you!

**You Can Depend on Kansas Farmer Advertisers**

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Use Corn King Hydro-Cide—the new improved drinking water medication, with these added features:

- Helps check spread of diseases through drinking water.
- Many times stronger in germ-killing properties than carbolic acid.
- Odorless, tasteless.
- One tablespoonful treats gallon of water.

Give YOUR chicks this better protection. Get Hydro-Cide at your hatchery, feed store, or poultry supply dealer—or write for circular.



**Corn King**  
**HYDRO-CIDE**

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**If It's NOURSE Lubrication... It's FARM Lubrication"**



Your tractors and other farm machines require special farm lubricants. Lubricants that give safe dependable farm lubrication under long hours of hard use in all kinds of weather. Nourse Specialized Farm lubricants are tested on the farm. For 40 years midwest farmers have benefited from the care and skill that Nourse engineers have put into producing these lubricants specially blended for farm machine needs.

• See your Nourse dealer today. Prevent breakdowns and loss of time caused by faulty lubrication. Switch to Nourse Specialized Farm Lubricants. Be sure to put Nourse Friction Proof, the Homogenized motor oil, in the crankcase of your tractors, trucks and cars.



**If You Need  
Better Breeding  
Stock This Summer  
Look Through  
the Livestock  
Ads in This  
Issue**

**"Black Leaf 40"** KILLS LICE

OUR "Cap-Brush" Applicator makes "BLACK LEAF 40" GO MUCH FARTHER

JUST A DASH IN FEATHERS... OR SPREAD ON ROOSTS

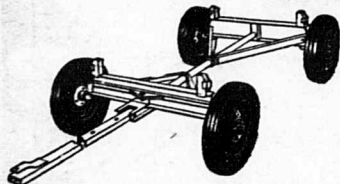
**"GLIDER" SWEEPRAKES**

Moves hay or bundle grain. Automatic push-off. Use with tractor, car, truck, Jeep. Hundreds satisfied users. Illustrated folder sent free.

A. L. STOCKWELL HAY TOOL CO.  
101 NORTH MAIN • LARNED • KANSAS

## GUARANTEED\* RIGHT

for farm and ranch hauling



### \*GUARANTEE

We guarantee this wagon to please you in every way, or your money will be refunded.

The Winter-Weiss Co.

### The WINTER-WEISS Co.

2201 Blake Street Dept. KF4-1 Denver 2, Colorado

Gentlemen: Without obligation, send me pictures, prices and complete facts on your 1948 improved farm wagon.

Name \_\_\_\_\_ RFD or Box \_\_\_\_\_

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This rugged farm wagon has been tested on hundreds of Western ranches and farms—we know it does a good job. We're so sure you will like it that we offer your money back if you aren't pleased with it in every way! New 1948 model has shorter turning radius, center reach extends to 10 feet.

- \* Adjustable stake pockets for boxes with 38", 40" or 42" sills.
- \* Rear axle detaches for use as light 2-wheel trailer.
- \* All steel, electrically welded construction.
- \* Auto type, non-cramping, short-turn steering.
- \* 4" I beam front axle; 9" structural steel rear axle for greater load capacity.

Send coupon for **FREE PICTURES**, construction details, prices and complete data on this 1948 farm wagon. No obligation.

## Box Supper

(Continued from Page 6)

Characters are: Jerry Johnson, a likeable young man, but satiated with the imagination and impishness of his age, played by Howard Russell. Mary Johnson, his sister, 19, and party-minded and very pretty, played by Rosalie Hess. Dad Johnson, Jerry's father, 45, and a good sport; recognizes a good joke but does not care to rush in where angels fear to tread, played by Carrol Baker. Mrs. Johnson, also 45, and wishes to keep up with the Joneses or slightly ahead of them, played by Barbara Richardson. Alice Gleason, her sister, 50, very much like her sister; tries hard to influence her social position, played by Gladys Mueller. Wilfred Winfield, 20, and of superior mentality, impresses older women, who pamper him, played by Harold Lindsay.

In the play Mrs. Johnson and Mrs. Gleason fall hard for the charms of Wilfred Winfield and try to match him with Mrs. Johnson's daughter, Mary, who is in love with another boy. Mr. Johnson, Mary and Jerry work out a plan to rid themselves of the unwanted swain. Jerry, dressed as a girl, makes love to the embarrassed Wilfred and the plot thickens when Mr. Johnson appears to accuse Wilfred of being a masher. Wilfred is routed and all ends happily when Mary attends the season's big dance with the boy of her choice.

Several contests were held following the program, with those in attendance paying for the privilege of voting for their favorite candidates. After a lively contest Barbara Richardson was voted the most popular girl. In the voting Howard Russell, who took the part of a girl in the play, received 5 votes for most popular girl, much to the enjoyment of the crowd.

Title of most popular bachelor went

to Joe Baker, while LaVerne Lassman and Barbara Richardson were voted the corniest couple. Prizes of candy went to winners of the voting contests.

Then came the cakewalk. I always had thought a cakewalk was a dance, and it is. But not at a country box supper. A cake is put up as a prize and everyone pays for the privilege of getting into the cakewalk. To the accompaniment of piano music we all marched around the room in single file. At a signal the march was halted. The person nearest to a secret spot, picked out in advance, won the cake. This one went to Verna Baker, who graciously added it to the refreshments served.

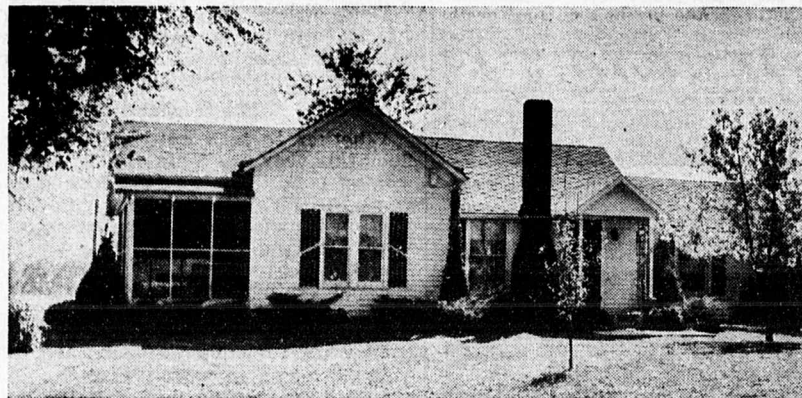
All eyes then turned on Auctioneer Floyd Roberts and the bidding on fancy boxes brought by the girls for the occasion. Many of the boxes were doubles and triples, which meant that 2 to 3 couples ate together and the boxes had to be auctioned off accordingly. As usual, ownership of the boxes had leaked out in advance, and most of the boys knew what they were doing when the bidding began.

After all the boxes were gone and the lucky ones had settled down for their feast, the rest of the crowd joined the pie line. Mothers of club members had an entire table on the stage loaded with pies of all kinds. They all looked so good it was difficult to stop when you thought you had reached your capacity. Coffee was free.

All told, the evening's events raised some \$50 for the club treasury, and folks went home after midnight well rewarded by an entertaining evening.

On the way back to Iola I couldn't help thinking: "If we ever lose the country social from the American scene we have lost something for which there is no substitute."

## Needed Only a Few Changes



This older-style farm home of Mr. and Mrs. J. Harold Cowen, Bourbon county, has been made extremely attractive thru minor changes to the house, plus landscaping.

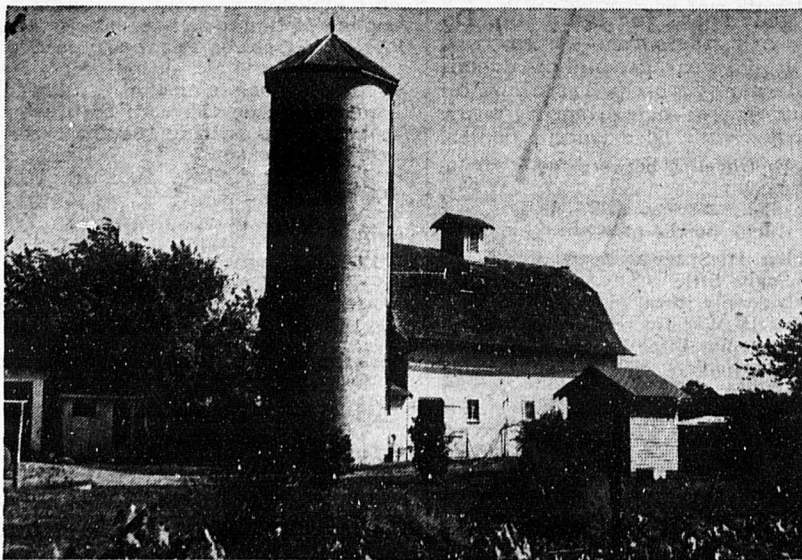
IT WOULD be nice if every farmer could build a new home, but even an old-style home can be made beautiful with only minor changes. This has been proved by Mr. and Mrs. J. Harold Cowen, Bourbon county.

Changes made to the Cowen farm home include a screened front porch, shutters, a fireplace and a side entrance opening onto the lawn.

The house then was set off beauti-

fully by a fine bluegrass lawn and landscaping with shrubs and trees.

Even the backyard is attractive. Shrubs and trees and a fine bluegrass lawn next to the garden area add much to the general appearance of the farmstead. Even the silo has not been overlooked. A climbing vine has been planted so it partially covers one side of the silo. All buildings, of course, are kept well repaired and painted.



A few well-placed trees and shrubs make the Cowen farmstead a beauty spot. Note vines climbing on the silo. The picture was taken from the garden across the back lawn.



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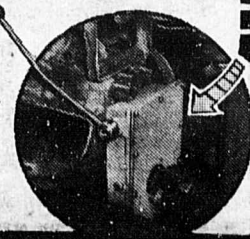
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## Marketing Viewpoint

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

Should I buy some feeder pigs to feed for the summer or early fall market?—B. R.

The present price situation in the hog market is unsatisfactory because of the strike. This should not be interpreted as being discouraging in the period 4 to 6 months from now.

Several things recently have been done to counteract the deflationary trend which started in February. Putting the European Recovery Program into effect, embarking on a rearmament program, and at the same time reducing taxes should provide considerable support for the general price level once some of these increased billions gets to circulating.

Also, meat supplies after midsummer will be small. The lamb crop is the smallest on record, the spring pig crop is the smallest since 1938, few grain-fed cattle will be headed for the late summer and fall market, and grass-cattle supplies will be no larger than normal. Hog prices are not expected to return to January levels.

But when the strike ends, when some of the increased billions that the Government will spend gets into circulation, and when meat supplies are seasonally small this summer and fall, the hog market is expected to be considerably stronger than at this time. This period of depressed hog prices during this strike period may be a good time for a farmer with some surplus feed grain to pick up feeder pigs.

Would it be reasonably safe to buy cattle right now for the purpose of running them thru the summer season on grass, with the intention of selling them before frost in the fall?—G. C.

Buying cattle in the spring to run on grass and selling off grass in the fall is a risky proposition. Prices paid in the spring usually are at the seasonal high, and prices received in the fall usually are at the seasonal low. Last year, when prices advanced thruout the grazing season, was very unusual and, of course, was one of the most profitable seasons on record. This trend of prices during the grazing season should not be expected again this year.

How much of a seasonal decline to expect this year is difficult to say. However, it should be pointed out that the average of stocker and feeder steer prices at Kansas City during the first week of April was \$25.90 compared to \$20.25 for the corresponding week last year. In other words, prices are \$5.65 higher now than a year ago. If you look at last October's prices as being extremely favorable, it should be recognized that prices at that time averaged about \$21.

In other words, if prices this October should average as high as last October's extremely favorable prices, grass cattle would come down \$4.90, and if prices are less favorable, they would come down more.

Buying cattle at present extremely high prices would involve considerable risk, and if you buy you should be aware of this risk.

What are the prospects of feeding ratios improving for dairy cattle next month?—E. T.

Milk prices probably will average seasonally lower during the rest of April. Many observers point out, however, that milk prices will not decline the normal seasonal amount during April, due to the decrease in cow numbers and the strong demand remaining for fluid milk. There are little prospects that costs of feed will decline during April, and the main improvement in feeding ratios will be due to the fact that farmers will be able to provide a larger part of the dairy ration thru pasture. It is not expected that the European Recovery Program will show its effects on dairy prices for at least a few months.

## Jersey Spring Shows

April 26—Southeast, Coffeyville.  
April 27—East-Central, Yates Center.  
April 28—Northeast, Highland.  
May 3—South-Central, Wellington.  
May 4—Central, Nickerson.  
May 5—North-Central, Riley.

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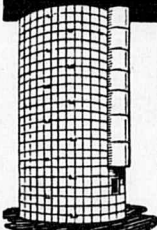
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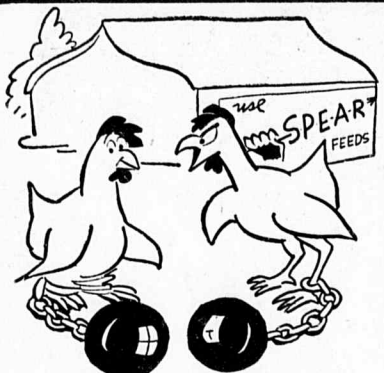
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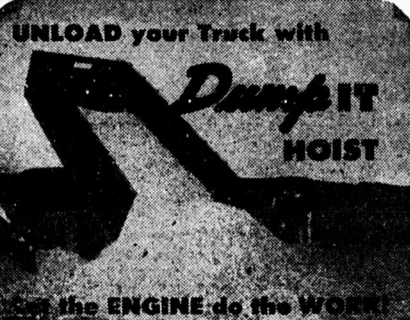


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## Trying to "Hedge"

(Continued from Page 7)

culated risk." But it amounts to hedging operations.

The surge of interest in drafting General Eisenhower, first by the Republicans, then by the Democrats, after Eisenhower declined the proffered Republican nomination. The Republicans believed the people would elect Eisenhower as a hedge against Russia starting World War III. The Democrats wanted to hedge against having to nominate President Harry Truman for a return trip to the White House.

Even the (what now seems to have been a rather synthetic) boom for General MacArthur in Wisconsin, was a sign of the desire to hedge against the possibility of war in the coming few years.

Of course, hedging is not new. The commodity exchanges thru trading in futures are one of the best examples of hedging against uncertainties in future prices. All these so-called "social security" programs are attempts to hedge economic results of old age, unemployment, inability of the individual to protect himself against the hazards of the future. Insurance of all kinds could be called forms of hedging—gambling in futures if you want to call it that.

Perhaps in the life insurance field one can find a close analogy illustrating the difference between hedging and gambling. So far as the one who takes out a straight life insurance policy is concerned, he is betting he will die before he pays in as much as his beneficiary will collect when he does die. That might be termed gambling. An endowment policy, maturing at a certain time, is more of a hedge, carrying perhaps protection for both the insured and the beneficiary.

### Will Get Price Support

About support prices. There will be a support-price program. Odds now look as if it will be an extension of the present (90 per cent; cotton 92½ per cent parity) program for basic commodities, probably also wool; that Steagall commodities may or may not get 90 per cent support. Both Agriculture committees are set to push the support-price extension as soon as it is evident that a long-range program, including support prices adequate for the transition (or preparedness) program cannot be passed this session. Senate Committee, Senator Capper, of Kansas, chairman, is more likely to favor a straight-out extension of present program. House Committee, Representative Hope, of Kansas, chairman, is trying to agree on a support-extension program that offers more protection to the Treasury on perishable commodities included in the present Steagall program; like Senate on the basic commodities and wool.

Hearings on the Aiken "semi" long-range program bill—discussed in previous issue—started last Monday, are scheduled to last thru next week. House hearings on the Hope bill to "provide for a national land- and water-conservation program" will start soon.

### A Change on Wheat

Last December, when the Congress was considering the interim (France, Austria, Italy) aid bill, prospects for the 1948 wheat crop looked bad. State Department was insisting upon export of 500 million bushels of wheat for relief by June 30 this year. Eastern Senators worried for fear that would leave such a low carryover that a short or even normal wheat crop this year would result in shortages that would drive the price of wheat sky-high. So they got a provision in the bill requiring a carryover of at least 150 million bushels, as a protection.

Since that time wheat conditions have improved. Department now looks for a crop of better than a billion bushels, maybe 1,200,000,000. European crops are good prospect. Ditto over most of the world.

The Marshall plan program will call for buying a good deal of foodstuffs for Europe outside the United States. If the big crop here materializes, and agriculture has to hold a carryover of 150 million bushels plus that big crop and a possible lessened demand for export, it might result in a surplus of wheat that would knock the bottom out of the market and send wheat down to the support-price level. Looks as if exports of 1948 crop will be 350 million

bushels instead of 500 as this marketing year.

So, Senate Agriculture Committee has reported favorably a bill to repeal the 150-million-bushel provision, and leave carryover control to discretion of Secretary of Agriculture. Bill stands a good chance of passage.

Fight between dairy farmers on one side and cotton and soybean interests (plus indignant housewives) over oleo taxes now may go to a finish in this session of Congress. If it does, oleo surely will win in the House, odds favor oleo in the Senate. In other words, the Federal taxes, including the 10-cents-a-pound tax on colored oleo, stand a good chance of being repealed by this Congress.

After the House committee on Agriculture tabled all oleo tax repeal bills for the session, oleo crowd got 218 signatures to what is known as a discharge petition—took the bill away from the committee. Under the House rules, the Rivers bill, repealing all oleo taxes (Federal only of course) can be called up for debate and vote April 26. A majority of the members signed the petition: bill will pass.

In the Senate it presumably will go to Finance Committee instead of Agriculture Committee. Dairy people will make a last stand to get it referred to Agriculture, which might delay action long enough to throw the whole subject over to next Congress.

If the Federal taxes are repealed, there still will be 23 states where colored oleo is taboo. In anticipation of repeal, and of housewives' expectancy that colored oleo will be available and at 10 cents (amount of tax) less, in Washington and other metropolitan areas, price of colored oleo now is 15 cents above uncolored. So the oleo trade in some areas at least will stand to make additional profits. Butter trade made a mistake when it hiked butter prices following tabling of repeal legislation by Hope's House committee.

### Would Put Agencies Together

The "National Land Policy Act" from Chairman Hope's House Agriculture Committee goes farther and is more specific in putting together all Federal agencies dealing with soil, water and forest conservation under an Agricultural Resources Administration in the Department of Agriculture.

Three principal groups inside the ARA would be: (1) Agricultural Land Service; (2) Forest Service; (3) Fish and Wildlife Service.

Department of Interior would return to Department of Agriculture the Fish and Wildlife Service. Also conservation activities of Interior (Bureau of Land Management and Bureau of Reclamation) would be turned over to the Department of Agriculture.

The present Soil Conservation Service and all other department agencies "having to do with conservation and physical aspects and characteristics of soils" would be placed together in the Agricultural Land Service.

Functions and scope of the educational and research facilities of the Extension Service and State Experiment Stations with Land Grant Colleges, specifically would remain unchanged. Both Senate and House committees declined to deliver over the Soil Conservation Service either to the Extension Service or the Production and Marketing Administration.

Conservation payments are continued, but in practice will be handled thru the soil-conservation districts (now 2,000 of these), altho payments actually will be continued to be made thru county AAA committees. The Soil Conservation Service regional offices are retained in the House bill; they were abolished in the Senate bill.

More detailed information on the workings of the Senate and House bills will be available during and after the hearings before the Senate and House committees.

### Ayrshire Spring Shows

April 19—Horton.  
April 20—Girard.  
April 21—Arkansas City.  
April 22—Hutchinson.  
April 23—Hillsboro.  
April 24—Abilene.

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Joan Hunter, right, and a visiting friend from the east, ride their pony into her father's brome grass to show result of applying 125 pounds of 35 per cent ammonium nitrate an acre. The picture, taken early in July, shows the pony almost hidden by the lush growth. Joan is a daughter of Mr. and Mrs. Joe Hunter, Rice county.

**B**ROME grass so lush it would almost hide a pony was produced on the Joe Hunter farm, in Rice county, by treating with 125 pounds of 35 per cent ammonium nitrate. Here is the story.

The brome grass was seeded September 2, 1944. The first year Mr. Hunter got a seed crop of 400 pounds an acre with no treatment. The next year no seed was produced at all. So, in June, 1947, he put on 125 pounds of 35 per cent nitrate. "The weather was just right," says Mr. Hunter, "and the grass made wonderful pasture. I also

got about 500 pounds of seed an acre."

Despite the good results, he is convinced that he applied too little too late for best results on seed. This spring early he will apply possibly 300 pounds of ammonium nitrate an acre. By pasturing his cattle on the brome and an adjoining alfalfa field, free choice, Mr. Hunter says he never had any cases of bloat.

"I let the cattle run on those 2 fields day and night in all kinds of weather without any trouble," he reports. "Which leads me to believe that brome neutralizes the bloat effect of alfalfa."

## Tractor Study Is Popular

**M**ORE than 100 community leaders from 54 Kansas counties attended this year's Adult 4-H Leaders' Tractor Maintenance School, held at Hutchinson, April 5, 6 and 7. The school was sponsored by the Standard Oil Company of Indiana.

Leaders attending the school were given an intensive course in tractor maintenance and in methods of presenting the training, in turn, to 4-H Club members back in their own communities.

In addition to lectures, visual education, and demonstrations, leaders attending the state school are allowed to work on real tractors provided for that purpose by various implement companies. This year 8 different tractors were used in laboratory study. They were provided by implement companies dealing in Case, McCormick Deering, Minneapolis Moline, John Deere, Allis Chalmers, Ford, Oliver and Massey Harris.

All expenses of leaders attending the school are paid by the Standard Oil

Company of Indiana. Those attending the school lived at the 4-H Club encampment building on the State Fair grounds during the 3-day session.

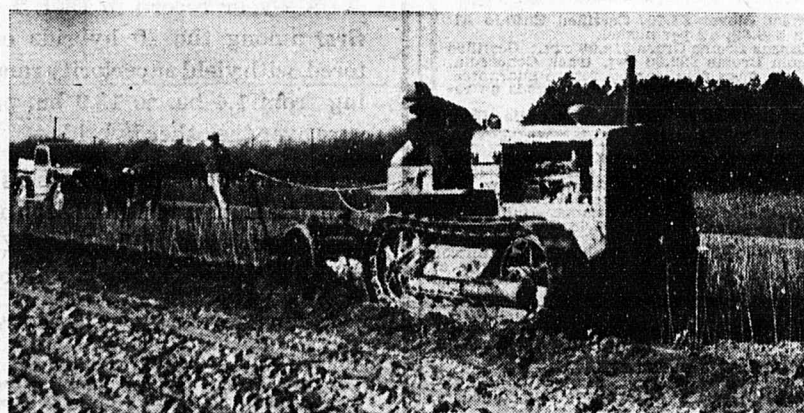
Before leaders return to their home communities they are supplied with complete leader's kits. These contain 4-H tractor maintenance program guides, 4-H leaders' manual in farm tractor maintenance, farm tractor maintenance work, 4-H Club manual and demonstration outlines in farm tractor maintenance, engineering bulletin FT-53, contest announcement leaflet, a list of visual aids and study helps and a poster on rules for safe tractor operation.

Members of the faculty included John M. Ferguson and Harold E. Stover, of Kansas State College; and W. G. Ingraham, C. N. Hinkle, K. E. Mebold and A. K. Jacka, all of the Oil Company.

## I Have Found

Store sugar in an earthen jar and it will never get hard.—Mrs. H. S.

## It's a Tree Digger



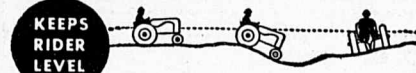
A tree digger in action at the Kansas State Nursery, Hays. A U-shaped blade mounted on the unitiller behind the tractor undercuts the seedlings and loosens the soil. Seedlings may then be lifted easily by hand, preparatory to sorting and packing in bundles of 50 for shipment to Kansas farmers.

## Enjoy SMOOTH, EASY Tractor Rides



THE COMPLETE  
Tractor Seat

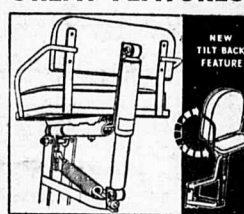
... with the Non-Slant Ride



There's a world of difference in operating a tractor on a Joy Rider. You work completely at ease. Furrows, frozen fields, sloping ground seem to level off as you ride. Joy Rider absorbs the vibration, punishing jolts, jarring; stops pitching, seat spanking. Non-Slant Ride keeps you level and balanced always, saving you from back-twisting side whacks and nervous tension. Thousands in use. Fits most tractors. Can be tilted back out of the way when you wish to stand. Send postcard for full particulars, prices; where to buy, etc.

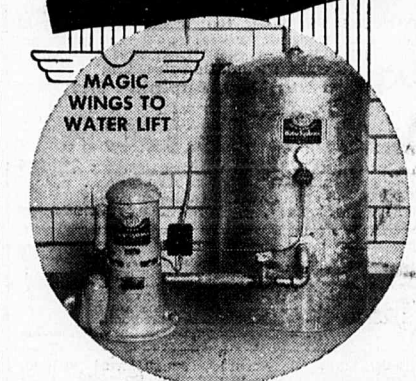
## ALL THESE GREAT FEATURES

- Stopside whacking. Keeps rider level.
- Tighten or loosen spring to fit rider's weight.
- Absorbs rebound, tossing, seat spanking.
- Soft, leatherette cushion optional with steel seat.



— Send Postcard TODAY to —  
**FLEISCHER & SCHMID CORP.**  
DEPT. 55  
COLUMBUS, NEBR.

## THE WATER SYSTEM DESIGNED EXCLUSIVELY FOR SHALLOW WELLS!



## PEERLESS Water King SHALLOW WELL PUMP

WITH POSITIVE DISPLACEMENT ACTION  
CAPACITIES: TO 860 GALS. PER HOUR

- |   |                            |
|---|----------------------------|
| <b>SLOW MOTOR SPEED</b><br>adds greatly to pump life                | <b>LOW OPERATING COST</b>  |
| <b>FULLY SELF-PRIMING</b><br>Once primed, no further priming needed | <b>QUIET</b>               |
| <b>CONSTANT PRESSURE</b><br>Up to 40 lbs. or more                   | <b>NO GADGETS</b>          |
|   | <b>OVER-WELL OR OFFSET</b> |
|   | <b>COMPACT</b>             |

WRITE FOR NEW BULLETIN describing full Peerless Water King shallow well pump advantages for you.



**PEERLESS PUMP DIVISION**  
FOOD MACHINERY CORPORATION  
Los Angeles 31, Calif., Indianapolis, Ind.  
Quincy, Ill.

## SALINA CONCRETE STAVE SILOS

**IF IT'S CONCRETE WE MAKE IT**  
Let us tell you about the Silo that is built to last a lifetime. The very latest in design and construction. See the new large free-swinging doors and many other exclusive features. The Salina Silo has been giving farmers perfect service for 35 years. Get the Facts—Write TODAY.

The Salina Concrete Products Co.  
Box K  
Salina, Kansas



# Classified Advertising Department

## RUPF'S Dependable Superior CHICKS

Have proven their dependability as egg producers for 44 consecutive years. What they have done for me, they will for you, too. Why not send a postal for free literature and prices?

Mrs. Carrie Rupf Poultry Farms, Box 1504, Ottawa, Kansas

### KANSAS FARMER Classified Advertising WORD RATE

10c per word each issue.  
Minimum—12 words.  
Names and addresses are part of ad, thus are billed at per-word rate.

Livestock Ads Not Sold on a Per-Word Basis

DISPLAY RATE			
Column	Cost Per	Column	Cost Per
Inches	Issue	Inches	Issue
1/4	\$4.90	2	\$8.60
1/2	9.80	3	28.40

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

### ● BABY CHICKS

## MODEL CHICKS

Started WH. LEGHORN Pullets  
4 Wk. \$29.90 | 6 Wk. \$39.90  
Per 100 F.O.B. Per 100 F.O.B.

Grade	St. Run	Pullets	Cox
Wh. Legs	\$10.90	\$18.90	\$3.90
Austra W.			
Wh. Rocks	\$10.90	\$14.90	\$9.90
Buff Orp.			

U. S. Approved—Pulorum Controlled  
100% Live Arrival—Surplus Cockerels \$2.90

Alexander's Model Hatchery, 108 Creighton, Mo.

## WHITE ROCKS

AS HATCHED \$10.90 .. PULLETS \$17.90  
White or Brown Leghorns \$10.90  
Barred Rocks-Wyandottes-Reds \$10.90  
Buff Minoras-Austra-Whites \$10.90  
Sired by cockerels of R. O. P. Breeding—The Powerhouse for winter eggs and greater profits. Write for free catalog, or order direct from this ad.  
SUNFLOWER HATCHERY, Dept. KF Fort Scott, Kan.

WHITE LEGHORNS  
UNSEXED \$10.90 — PULLETS \$18.90  
ROCKS .. REDS \$10.90  
AUSTRA WHITES \$10.90  
WYANDOTTES \$10.90  
MINORCAS \$10.90  
ASSORTED \$8.95 per 100  
Free Catalog Explaining 2 week replacement guarantee.  
U.S. APPROVED U.S. PULORUM Controlled  
R. O. P. Foundation Breeding  
Schlichtman Hatchery, Appleton City, Mo.

U. S. APPROVED CHICKS  
Pulorum Controlled  
SEXED PULLETS \$10.90 COCKERELS \$3.95  
As Low As..... As Low As.....  
Write for FREE CATALOG Listing All Breeds  
The WHITE CHICKERY, SCHELL CITY, MISSOURI

Wonderful POULTRY BOOK  
FREE LOW PRICES 48 varieties SEX-LINKED and PUREBRED BABY CHICKS, BABY TURKEYS, Mature Fowls and Hatching Eggs. ALL FLOCKS BLOOD TESTED FOR BVD. Write quick for this free book.  
GREAT WESTERN HATCHERY, Box 34, Salina, Kan.

AAA Chicks, bloodtested, sensational values, 100% alive, FOB. White, Brown, Buff Leghorns, unsexed \$7.95, Pullets, \$14.85. Austra-Whites, Rocks, Reds, Wyandottes, New Hampshire, Orpingtons, Black Australorps, unsexed \$7.95, Pullets \$12.45. Cockerels, \$8.45. Assorted Sexes, \$6.85. Surplus pullets \$11.45. Mixed Assorted \$5.95. Leftovers \$4.95. Barnyard Special \$3.95. Odds-ends, \$2.95. No culls, no cripples. Order direct. No catalog. Oklahoma Chicks, Box 1625, Tulsa, Okla.

Chicks That Live, Lay and Pay. 100% Pulorum Tested. Customers report raising 97% to 99% of these strong healthy chicks. Reds, Barred and White Rocks, Wyandottes, Hampshires, Red-Rocks, Austra-Whites, Leg-Rocks and Leghorns—AAA Grade \$10.95 per 100. Assorted \$9.95. Heavy cockerels \$9.95. Pullets \$14.50. Mixed cockerels \$5.05. Leftovers \$4.95. Leghorn pullets 2-3 weeks old \$24.95 per 100. Guaranteed 100% alive. Free catalog. Also turkey poulters. Pleasant View Hatchery, Gerald, Mo.

Bush's Select Bloodtested Barred, White Rocks, Reds, Wyandottes, New Hampshire, Orpingtons, \$10.40. Pullets, \$13.80. Cockerels, \$10.40. Big Type Leghorns, Austra Whites, \$9.70. Pullets, \$16.70. Starred Pullets, \$39.95. Also Anconas, Minorcas, Heavy Assorted, \$8.35. Mixed Assorted, \$7.90. Leftovers, \$6.90. Barnyard Special \$5.90. Odds and ends, \$4.95. Surplus chicks, \$4.45. Catalog. Bush Hatchery, Clinton, Mo.

Superfine Chicks — Fifteen breeds, including White Giants, Black Giants, Buff Minorcas, Silver Laced Wyandottes, Anconas, Black Australorps, Buff Orpingtons, Buff Barred and White Rocks, New Hampshire and Rhode Island Reds and Leghorns. Free literature. The Thomas Farms Hatchery, Pleasanton, Kan.

25,000 Chicks available weekly for raising on shares. Liberal proposition so you get your chicks when wanted. Settle in 6 months with grown chickens. Many varieties available. Cockerels for broilers. Kansas U.S. Approved-Tested. Write today for information about share chicks. Berry's Chicks, Box 3316, Atchison, Kan.

Improved, Bloodtested White, Barred Rocks, Reds, Wyandottes, \$7.95. Pullets, \$12.95. Cockerels, \$8.95. Austra-Whites, White Leghorns, \$7.95. Pullets \$12.95. Started \$39.95. Assorted Heavies, \$7.45. Mixed Assorted, \$6.95. Leftovers, \$5.95. Surplus Cockerels, \$4.95. Barnyard Special, \$3.95. Odds-ends, \$2.95. 100% FOB. No catalog. Order direct. Thompson Chicks, Springfield, Mo.

Berry's 4-Week Chicks cheaper than you can afford to raise them. Out of danger, healthy, strong. Saves you worry, work, money. Large sanitary, air-conditioned, sterilized plant. Austra-Whites and Special Bargains. Kansas U. S. Approved-Tested. Year around production. Low prices. Profit-sharing plan. Poultry book free. Berry's Chicks, Box 3313, Atchison, Kan.

### ● BABY CHICKS

Coombs Leghorn Chicks. 250-322 egg sired, 28 consecutive years. Austra-White chicks from outstanding ROP strains. Kansas State College strain White Rock chicks, 200-275 egg pedigree sired, 100% fast feathering. Hy-Line chicks, new kind bred like hybrid corn. Free circular. Write: Coombs & Son, Box 6, Sedgwick, Kan.

Kansas Pulorum Tested AAA Grade Chicks. Early order discount. White and Barred Rocks, Buff Orpingtons, Rhode Island Reds, Austra-Whites, New Hampshire Reds, Black Australorps, White Leghorns, Buff Minorcas, Light Brahmas. Prepaid in 100 lots. Moline Hatchery, Moline, Kan.

70,000 Chicks Weekly. Sexed or unsexed. Pure breed and hybrid. Backed by 45 years breeding for egg production, livability, size. Pulorum tested 20 years. Circular free. Steinhoff & Son, Osage City, Kan.

Baby Chicks—Sturdy quality, 25 purebreds, 6 cross-breeds, bloodtested, licensed inspected. Low prices. Rush postal; colored book free. Albert Freese, Route 12, Salina, Kan.

Tudor's 41 Years Experience brings you quality chicks. Kansas approved. Pulorum tested. Bred for production. Tudor's Hatchery, 2220 Central, Topeka, Kan.

Hawk's Chicks hatching now and each week. Discounts on orders placed in advance. Hawk Hatcheries, Atchison, Kan.

Four-week Chicks cheaper than you can start them yourself. Also day-old chicks. Robidoux Hatchery, Zone 62, St. Joseph, Mo.

Extra Fancy Light Brahma Chicks. Blood tested 15c. Also fancy Barred Rocks. Burke's Sanitary Hatchery, Hutchinson, Kan.

### ● DUCKS AND GESE

Large White Embden Geese Eggs 50c each. geese \$5.00, gander \$7.00, pair \$10.00. White Pekin duck eggs 10—\$1.00, drakes \$1.50. Eggs prepaid. Sadie Melia, Bucklin, Kan.

### ● LEGHORNS

Free Chick Guide—Explains 25-year breeding program producing 300 to 351 egg sired large type White Leghorns. Breeding that can give you two to five dozen more eggs per bird. Also leading heavy breeds. Fully guaranteed. Prompt shipment. Write for free literature and low prices. Chas. M. Estes, Dept. KF, Springfield, Mo.

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**SEXED TURKEY POULTS**  
PRICED AS LOW AS 60c EACH  
New Way to Extra Profits—Raise the sex you want! Either Tom or Hen. Livability Guaranteed. Big 20 Page Catalog Free.  
Write Today  
Zeeland Hatchery, Inc., Box S-31 Zeeland, Mich.

Broad Breasted Bronze Poults. Send for actual photos of breeding stock. Stants Turkey Farm, Abilene, Kan.

● POULTRY—MISCELLANEOUS  
Peafowl, Pheasants, Bantams, Waterfowl, 30 varieties Pigeons. Free circular, John Hass, Bettendorf, Iowa.

● EDUCATIONAL  
AUCTION SCHOOL Learn Auctioneering America's Leading Auctioneers Teach You. Students sell actual Sales. Largest school in world, 14 years in operation. Don't be misled. Term soon. Free catalog. Write  
REISCH AUCTION SCHOOL, Mason City, Iowa

Make Up to \$30-\$40 Week as a Trained Practical Nurse! Learn quickly at home. Booklet free. Chicago School of Nursing, Dept. F-4, Chicago.

● WANTED TO BUY  
Prominent Collector now paying record prices for various kinds old envelopes, stamps used from 1840 to 1890. Valuable information mailed free. Also want old oil burning hanging lamps, metal or glass, with round, oval, square colored or figured shades, manufactured before 1890. What have you? R. Rice, 2652 Asbury Avenue, Evanston, Illinois.

● SEED  
Hardy Recleaned Tested  
Kansas Alfalfa Seed \$14.40  
Sweet Clover \$8.70. Certified Buffalo Alfalfa \$66.00, all per bushel.  
Kansas Brome Grass \$13.90 cwt. Certified Lincoln Brome \$32.00 cwt. track Concordia, Kansas, bags free, carries return guarantee. Samples, folder, prices other seeds on request.  
JACK BOWMAN, Box 615, Concordia, Kan.

Hardy dryland alfalfa Grimm, Cossack, Dak. 12 and Common (Nebraska and Colorado grown). Sweet Clover (White and Yellow Blossom). Lincoln Brome. Crested Wheat. Western Wheat. Slender Wheat. Gramma. Buffalo and Sand Drop Grass. Eagle Hybrid Corn 90 to 120 day. Seed Barley, Oats and Spring Wheat. Get our prices before you buy. All seed guaranteed satisfactory or money refunded or return of seed. Write for prices and samples. Arrow Seed and Supply Company, Broken Bow, Nebr.

Achenbach Brome Grass. Progeny eligible for inspection for certification. Germination 95%. Chess coat 473. Recleaned. 20 cents pound. Earl Collins, Florence, Kan.

Atlas Sorgo grown from Certified Seed. Recleaned and tested. Robbins Ranch, Belvidere, Kansas.

● PLANTS AND NURSERY STOCK

Sweet Potato Plants, Improved heavy-producing Nancy Halls, Portoricans. Carefully packed. Quick shipments. Guaranteed. Postpaid, 200—\$1.00; 500—\$1.75; 1,000—\$3.00. Pete Taylor, Gleason, Tenn.

Remember Quality Counts. Try our best Texas Certified Plants. Millions now ready. Open field grown, large tough, well-rooted, hand-selected, improved Portorico and Red Velvet potato plants: 300—\$1.00; 1,000—\$3.00; 2,500—\$6.50; 5,000—\$12.50; 10,000—\$23.50; 20,000—\$45.00 postpaid. Large lots \$2.00 per 1,000 express collect. We have 100-acre farm of all open field growth, large tough, well-rooted, pencil size stems all same price, orders mixed anyway wanted: 400—\$1.00; 1,000—\$2.00; 2,500—\$4.75; 5,000—\$9.00; 10,000—\$17.50 postpaid. Large lots express collect \$1.25 per 1,000. Varieties listed: Tomatoes—Rutger, Stone, Marglobe, Earliana, Pritchard, Break-O-Day, Baltimore, McGee, John Baer, Large Reds, Cabbage—Jersey, Charleston, Wakefield, Early and Late Dutch, Golden Acre, All Season, Copenhagen, Marion Market. Onions—Bermuda, Sweet Spanish, Prizetaker. Roots packed in moss, shipped in new air ventilated special built containers. State size wanted and we guarantee to ship them the same day you say with perfection satisfaction guaranteed, or your money back. Moore Plant Farm, Whitesboro, Texas.

Strawberry Plants — (Certified) The best new land grown. Blakemore, Aroma, Dunlap, Klondike, Missionary and Klondike 100—\$1.00; 500—\$4.50; 1,000—\$8.50. New Robinson and Premier \$1.25 per 100. Everbearing strawberry, 100—\$6.00; 200—\$11.00; 500—\$22.50. Gen. Mastodon and Gem 25—\$1.00; 100—\$2.50. Genuine Streamliner 25—\$1.00; 100—\$4.50. Thornless Boysenberries 25—\$2.00; 100—\$7.50; 2-year bearing size 10—\$2.00. Youngberries 25—\$1.00; 100—\$3.75. Lawton Blackberries (best canner) 25—\$1.00; 100—\$3.75. 2-year Concord or Freedom grapes 10—\$2.00; 100—\$15.00. Special offer 25 Asparagus, 6 Rhubarb and 100 Blakemore strawberry plants \$2.00. Everything postpaid. Finest plants, labeled true to name, full count and satisfaction guaranteed. Catalog free. Ideal Fruit Farm, Stillwell, Okla.

Certified Vegetables Plants—Large, field grown, well rooted, hand selected, roots mossed. Cabbage—Wakefield, Dutch, Copenhagen, 200—\$5.00; 500—\$10.00; 1,000—\$22.50. Onions—Crystal Wax, Yellow Bermuda, Sweet Spanish, 300—75c; 500—\$1.00; 1,000—\$1.75. Tomatoes—Earliana, John Baer, Marglobe, Rutgers, Bonny Best, Stone, 200—75c; 300—\$1.00; 500—\$1.50; 1,000—\$2.50. Pepper—Sweet, Hot, 100—\$3.00; 200—\$5.00; 500—\$10.00. All postpaid. Prompt shipment. Satisfaction guaranteed. Culver Plant Farms, Mt. Pleasant, Texas.

Strawberry Plants—Hardy northern grown, well inspected Dunlap, Aroma, Blakemore 200—\$2.00; 500—\$4.50; 1,000—\$8.50. Premier, Bellmar, Giant Robinson, 200—\$2.50; 500—\$5.75; 1,000—\$11.00. Giant Gem or Minnesota 1166 everbearing, 100—\$2.25; 500—\$10.00. Fresh plants, prompt shipment. Everything postpaid. Iowa Nursery, Farmington, Iowa.

### ● PLANTS AND NURSERY STOCK

Remember Quality Counts. Try our best Texas Certified Plants. Millions now ready. Open field grown, large tough, well-rooted, hand-selected, improved Portorico and Red Velvet potato plants: 300—\$1.00; 1,000—\$3.00; 2,500—\$6.50; 5,000—\$12.50; 10,000—\$23.50; 20,000—\$45.00 postpaid. Large lots \$2.00 per 1,000 express collect. We have 100-acre farm of all open field growth, large tough, well-rooted, pencil size stems all same price, orders mixed anyway wanted: 400—\$1.00; 1,000—\$2.00; 2,500—\$4.75; 5,000—\$9.00; 10,000—\$17.50 postpaid. Large lots express collect \$1.25 per 1,000. Varieties listed: Tomatoes—Rutger, Stone, Marglobe, Earliana, Pritchard, Break-O-Day, Baltimore, McGee, John Baer, Large Reds, Cabbage—Jersey, Charleston, Wakefield, Early and Late Dutch, Golden Acre, All Season, Copenhagen, Marion Market. Onions—Bermuda, Sweet Spanish, Prizetaker. Roots packed in moss, shipped in new air ventilated special built containers. State size wanted and we guarantee to ship them the same day you say with perfection satisfaction guaranteed, or your money back. Moore Plant Farm, Whitesboro, Texas.

Strawberry Plants — (Certified) The best new land grown. Blakemore, Aroma, Dunlap, Klondike, Missionary and Klondike 100—\$1.00; 500—\$4.50; 1,000—\$8.50. New Robinson and Premier \$1.25 per 100. Everbearing strawberry, 100—\$6.00; 200—\$11.00; 500—\$22.50. Gen. Mastodon and Gem 25—\$1.00; 100—\$2.50. Genuine Streamliner 25—\$1.00; 100—\$4.50. Thornless Boysenberries 25—\$2.00; 100—\$7.50; 2-year bearing size 10—\$2.00. Youngberries 25—\$1.00; 100—\$3.75. Lawton Blackberries (best canner) 25—\$1.00; 100—\$3.75. 2-year Concord or Freedom grapes 10—\$2.00; 100—\$15.00. Special offer 25 Asparagus, 6 Rhubarb and 100 Blakemore strawberry plants \$2.00. Everything postpaid. Finest plants, labeled true to name, full count and satisfaction guaranteed. Catalog free. Ideal Fruit Farm, Stillwell, Okla.

Certified Vegetables Plants—Large, field grown, well rooted, hand selected, roots mossed. Cabbage—Wakefield, Dutch, Copenhagen, 200—\$5.00; 500—\$10.00; 1,000—\$22.50. Onions—Crystal Wax, Yellow Bermuda, Sweet Spanish, 300—75c; 500—\$1.00; 1,000—\$1.75. Tomatoes—Earliana, John Baer, Marglobe, Rutgers, Bonny Best, Stone, 200—75c; 300—\$1.00; 500—\$1.50; 1,000—\$2.50. Pepper—Sweet, Hot, 100—\$3.00; 200—\$5.00; 500—\$10.00. All postpaid. Prompt shipment. Satisfaction guaranteed. Culver Plant Farms, Mt. Pleasant, Texas.

Strawberry Plants—Hardy northern grown, well inspected Dunlap, Aroma, Blakemore 200—\$2.00; 500—\$4.50; 1,000—\$8.50. Premier, Bellmar, Giant Robinson, 200—\$2.50; 500—\$5.75; 1,000—\$11.00. Giant Gem or Minnesota 1166 everbearing, 100—\$2.25; 500—\$10.00. Fresh plants, prompt shipment. Everything postpaid. Iowa Nursery, Farmington, Iowa.

Onion Plants—Choice select Yellow or White Sweet Spanish, Yellow or White Bermudas. Satisfaction guaranteed or money back. Shipping daily until June. 300—\$1.15; 500—\$1.50; 1,000—\$2.50; 3,000—\$4.25; 6,000—\$7.50 prepaid. Send check with order. Give both mail and express address. Austin Plant Company, Box 313, Austin, Texas.

### ● PLANTS AND NURSERY STOCK

**SWEET POTATO PLANTS**  
Pink Skin Porto Rico and Nancy Hall  
200 ..... \$1.00 1,000 ..... \$2.75  
500 ..... \$1.50 5,000 ..... \$12.50  
Good plants, full count, safe arrival.  
JONES PLANT FARM, SHARON, TENN.

Millions Certified, Openfield grown, wilt-resistant, Improved Portorico and Red Velvet Potato Plants, 10,000 bushels uniform hand selected, seed bedded. All plants large, tough, well-rooted: 300—\$1.00; 500—\$1.50; 1,000—\$3.00; 2,500—\$6.50; 5,000—\$12.50; 10,000—\$23.50; 20,000—\$45.00 postpaid. Large lots \$2.00 F.O.B. We are overstocked with millions tomatoes, cabbage, onions, peppers. These plants are grown from treated, highest quality certified seed, which will mature crops weeks ahead of common seed. All openfield grown, planted thin, row-cultivated, large pencil-size stems, well-rooted 6 to 12 inches tall, all same price, mixed anyway wanted: 400—\$1.00; 1,000—\$2.00; 2,500—\$4.75; 5,000—\$9.00; 10,000—\$17.50 postpaid. Large lots express collect \$1.25 per 1,000. Few varieties listed. Tomatoes—Rutger, Stone, Marglobe, Earliana, Pritchard, Blon, Break-O-Day, Baltimore, Large Reds, Firesteel, McGee, June Pinks, Cabbage—Jersey, Charleston Wakefield, Early, Late Dutch, Golden Acre, Surehead, All Season. Onions—Bermuda, Sweet Spanish, Prizetaker, packed 50 to the bunch, mossed, wrapped, labeled, true varieties. Any above transplanted plants, 200—\$1.50; 1,000—\$3.00 postpaid. Take no chances. These plants are certified, wilt-resistant, free from disease. We ship any where. Guaranteed to fill all orders same day received. Best plants money can buy. When better plants are grown, we will grow them. Satisfaction guaranteed or your money back. Kenneth Plant Farm, Whitesboro, Texas.

Send No Money—Pay on Arrival—Certified plants. Frostproof Cabbage, Onion, Tomatoes, Pepper, Broccoli, Brussels Sprouts, Cauliflower, 200—\$1.00; 500—\$1.50; 700—\$2.00; 1,000—\$2.50. Leading varieties, mixed anyway wanted, moss packed. Texas Plant Farms, Jacksonville, Texas.

Plants—Rutger Tomatoes, Cabbage—Allseason, Charleston, Round-Flat Dutch, Potatoes—Porto Rico, Nancy Hall, Bunch Porto Rico, Red Velvet, 500—\$1.75; 1,000—\$3.00; 5,000—\$13.75. Postpaid. Satisfaction guaranteed. Bruce Rhodes, Malvern, Ark.

Sweet Potato Plants—Improved Porto Rico and Golden yellow Nancy Halls, 200—\$1.00; 500—\$1.75; 1,000—\$2.50. Prompt shipment and satisfaction guaranteed. Thrift Plant Farm, Gleason, Tenn.

Sweet Potato Plants, Golden Yellow Nancy Halls, Pink Skinned Portoricans, 300—\$1.00; 500—\$1.50; 1,000—\$2.50. Wholesale Plant Co., Gleason, Tenn.

## For Choice FLAT Seed

of hybrids with PROVED records of outstanding performance in northern and eastern Kansas—

See your CORNHUSKER dealer at once, while he still has supplies of FLAT grades of:

## CORNHUSKER 30 CORNHUSKER 148

**CORNHUSKER 30** is a big, rugged full-season hybrid—an enormous yielder when weather conditions (just when the rains occur, etc.) favor a corn of this maturity. **CORNHUSKER 148** is a splendid hybrid of medium maturity—the maturity that weather has favored the last couple of years.

### Splendid Official Yield Test Record

For the performance record of 148 in Official Kansas Corn Yield Tests see Kansas Exp. Sta. Bulletin No. 336 published in Febr., 1948. It has been entered for 2 years in Districts 1 (Northeastern Kansas) and 4 (Northcentral Kansas), and one year in District 2 (East-Central Kansas).

Its 2-year record in Dist. 1 is **first** among the 40 hybrids entered, with yield superiority ranging from 1.4 bu. to 13.9 bu. per acre over the other hybrids.

Planting *both* these numbers will split your risks, by giving you both medium and full-season maturities. It will *pay you well* to have these great hybrids on YOUR farm in 1948! Don't delay—good FLAT seed of the best hybrids will be scarce by planting time.

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Fremont, Nebraska

Its 2-year record in Dist. 4 is **fourth** among the 38 hybrids entered. (The 3 hybrids ranking above it out-yielded it less than 1/2-bu. per acre; whereas 148 out-yielded each of them in the Dist. 1 two-year records by from 1.4 to 6.9 bu. per acre).

It ranked **eighth** among 75 hybrids in the 1947 Dist. 2 test. And it ranked **first** among 18 hybrids in the 1947 Dist. 4 Coop. Strip Tests.



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Flavorful Heartsease or Smartweed Honey,  
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U. S. Certified, Pullorum Passed

Leghorns, with over 300 egg pedi-

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Chicken Ranch, 40 acres, good land, near Em-  
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# High Plains Angus Breeders Sale

Sales Barn

Oberlin, Kan., Wednesday, May 5

4-H and F. F. A. Judging Contest 10:00 A. M.

Auction Sale 1:00 P. M.

57 Head — 39 Females, 18 Bulls

## Consignors:

Railsback Bros., Quinter, Kan.  
Lewis E. Whitney, Norton, Kan.  
Maxon Brown, St. Francis, Kan.  
Deters Bros., Cawker City, Kan.  
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Harry Dennenberg, Gaylord, Kan.  
Chrissie Drommer, Norton, Kan.  
Fred Counter, Oberlin, Kan.  
Harold Deveney, Indianola, Nebr.  
Alvin Johnson, Oberlin, Kan.  
T. A. Smart, Atwood, Colo.  
Vernon Hill, Logan, Kan.  
Ralph E. Brown, Brewster, Kan.

A. W. Lambert, Yuma, Colo.  
Leonard Patman, Smith Center, Kan.  
G. W. & Ada Caldwell, Harlan, Kan.  
T. W. Jackson, Phillipsburg, Kan.  
C. A. Kalbfleisch, Harlan, Kan.  
Lester Ljungdahl, Menlo, Kan.  
John Egger, Ellis, Kan.  
Brown & Gilmore, Brewster, Kan.  
Nelson & Wayne Sanky, LaCrosse, Kan.

For catalog write

Lester Ljungdahl, Menlo, Kan., or Rodney Partch, Oberlin, Kan.

Auctioneers: Ray Sims, Belton, Mo., and Ernie Sherlock, St. Francis, Kan.

SPECIAL — A consignors and buyers banquet will be held Tuesday evening, 6:30 p. m. at the Oberlin skating rink. This is sponsored by Oberlin Chamber of Commerce.



## IN THE FIELD



Jesse R. Johnson  
Topeka, Kansas  
Livestock Editor

and MIKE WILSON, Livestock Fieldman, Muscotah, Kansas.

The MORRIS COUNTY HEREFORD BREEDERS drew a good day for their annual sale held at Council Grove, March 18. About 350 visitors, bidders and buyers were present. Forty-eight head of good Herefords were sold, all of them going back to Kansas farms. The 48 head averaged \$299. Bulls averaged \$280 with a top of \$500, paid by Carl S. Knutson, of Leon. The female average was \$306 with a top of \$710. Rex Curtis, of McPherson, was the buyer. Freddie Chandler was the auctioneer. The offering was in just fair condition, but about right to go out and do well in new homes.

Fred Germann, secretary of THE KANSAS DUDOC BREEDERS' ASSOCIATION, has given us a belated report of the last meeting of the association, and calls attention to the officers elected at that meeting. They are as follows: Dr. George Wreath, Belleville, president; Allen Kettler, Paola, vice-president, and Fred Germann, Manhattan, secretary-treasurer. Directors: Vern Albrecht, Smith Center; Frank Alexander, Corning; Fred Bolt, Isabel; Willis Huston, Americus, and C. F. Bradford, Olathe. Herman Popp was chosen as delegate to the State Board of Agriculture, and George Wetta, alternate.

THE AMERICAN GUERNSEY CLUB reports a new state record recently made by the registered Guernsey cow "Baron's Velvet Veda," owned by CEDAR DRIVE FARM, Wichita. Her production was 11,077 pounds of milk and 561 pounds of fat as a senior 2-year-old, on twice-a-day milking for 10 months. The sire of this cow, Meadow Lodge King's Baron, has 2 daughters in the Performance Register of the American Guernsey Club. J. L. Nelson, owner and operator of Cedar Drive Farm, has 15 sisters of the heifer recently made champion of Kansas.

St. Albans Actor Grandee, one of the sires in the herd, is a son of a Missouri state record dam. Her record was 16,800 pounds of milk and 804 pounds of butterfat in class BB thru one lactation.

While prevailing market declines and bad roads may have reduced attendance and prices received a little at the LINCOLN COUNTY ANNUAL HEREFORD sale, held at Sylvan Grove, February 17, the management expressed themselves as highly pleased with the outcome. Lincoln County Hereford breeders have a record for good, even price averages, and have never catered to extremely high tops. The offering presented in good, useful breeding condition brought an average price of \$311, the bulls making \$332 with a top of \$500, paid by H. H. Blair, of Barnard. The females averaged \$280 with a top of \$400, paid by Francis Peischel, of Minneapolis. Every animal sold to a Kansas buyer, many to old customers and others, many of whom had previous knowledge of the high breeding value of Lincoln County Herefords. Freddie Chandler was the auctioneer.

Kansas Milking Shorthorns score again. H. C. McKelvie, manager of the recent sale at Omaha, says "Three cheers for KANSAS MILKING SHORTHORNS." Irwin King, of Linn, had the first-prize cow in milk, selling for \$435, still too cheap, not fitted but a wonderful cow, so says Claude. Bernard Wassenburg, Marysville, had the champion bull, Liberty Mapperton 14. He was the top-selling bull, going into a good herd at \$425, also worth more money. Wassenburg also had one of the top 4-H heifers. She went to John & Selma Tate of Horton, at \$310. The 18 4-H heifers sold for an average price of \$300 a head. Doctor Coe, of Wakefield, Nebr., exhibited the champion and high-selling female. Vern Young, of Kearney, Nebr., paid \$550 for her. Burritt Allen was the auctioneer, and the sale was capably managed by H. C. McKelvie, of Omaha. A capacity crowd was in attendance.

## New President

Herb Barr, Leoti, was elected president of the Western Kansas Development Association, April 9, at the annual meeting held at Hays. He succeeds Herman Salley, Liberal.

New directors elected for the association are Hugh Burnett, director of extension, Fort Hays Kansas State College, and Leigh Warner, Cimarron.

## Keeps Floor Clean

When painting baseboards, I place a strip of cellulose tape along the floor next to the baseboard to keep the paint off the floor. When the paint is dry, it is simple to pull the tape loose, and the floor is unspotted.—Edna A. Klein.

## Shoe-Heel Saver

To prevent scuffing the finish of women's shoes, paint the heels with colorless nail polish.—Mrs. H. H.

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Publication dates are on the first and third Saturdays of each month. Copy for livestock advertising must be received on Friday, eight days before.

JESSE R. JOHNSON, Livestock Editor  
MIKE WILSON, Fieldman.  
Kansas Farmer — Topeka, Kansas

## Beef CATTLE



Show and Sale — May 7-8  
Kansas City, Mo.

## American Royal Building

30 Bulls, practically all ready for immediate service; 60 Females, modern type and championship breeding.

Every Congress has been an important milestone in the rapid rise of this fast growing, most efficient of all beef breeds—earliest maturity and greatest weight at any age, combined with natural hornlessness. All consignments to this eighth national event will be important foundations in any successful breeding program. Come and prove it to yourself. Make hotel reservations direct to the Phillips Hotel, headquarters. Write for catalog and ask about our free freight offer.

POLLED SHORTHORN SOCIETY  
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## Offering Red Yearling Shorthorn Bulls

Sired by Comrie Captivator and out of good Scotch family cows, Queen of Beauty's Victorias, etc. Jr. herd sire, Clear Creek Bombardier 2nd, (Recent Indiana Grand Champion)

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## SHORTHORN BULLS For Sale

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J. H. BOWSER & SONS  
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Bulls — FEMALES — 4-H Calves  
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## Registered Shorthorn Bulls

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Have become a fixed type in the opinion of good judges. They do well for others. Come see them.

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## LATZKE ANGUS FARM OFFERS

A few year old heifers foundation material of popular families and carry the blood of International Grand Champions close up. Young bulls of serviceable age. Farm south of town on 77, watch for sign.

OSCAR C. LATZKE, Junction City, Kansas

## TRY PLAIN VIEW FARMS POLLED HEREFORDS

For sale now Young Herd Bulls and Heifers, the same breeding and quality as sold in our sale November 14, 1947, which was the highest average beef cattle sale in the state this year. Farms on highway K 43, eight miles north of Hope and 6 miles south and 2 1/2 miles east of Enterprise, Kansas. JESSE RIFFEL & SONS, Enterprise, Kan.

## POLLED HEREFORD HERD BULL OFFERED

Plato Domino AA 28  
Top-selling bull in Ravenstein's 1946 sale. Also bull calves and a few heifers and cows. Good quality and best of breeding.

IDLEWILD FARM  
Earl R. Bohling, Florence, Kan.

## HEREFORDS BULLS and HEIFERS

For Sale at This Time—Young bulls and open heifers. Also a few summer yearling heifers bred to Royal Treadway 51st. Inquire of RAY RUSK & SON, Wellington, Kan.

# Krotz & Swartz Annual Draft Sale of Aberdeen Angus

Tuesday, May 11

Marysville Sale Pavilion

Marysville, Kansas



The get of Ever Prince of Sunbeam by the 1938 International Grand Champion Black Prince of Sunbeam is featured in the Krotz offering. 25 head of selected cattle. 7 Bulls that are real herd bull prospects. 18 Females, bred and open heifers. McHenry Barbaras, Miss Burgess, McHenry Ericas, Blackcaps and Prides. This offering is either sons, grandsons, daughters of granddaughters of Ever Prince of Sunbeam.

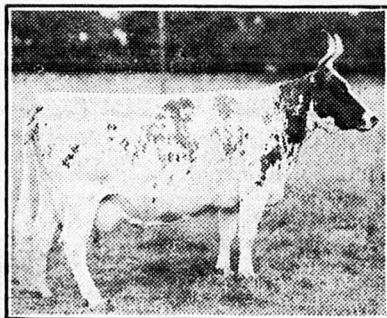
The Swartz offering consists of 25 head of top cattle. 20 sired by Revolutions Black Prince 6 outstanding Bulls, all of serviceable age. Our bull offering also includes Sunflower Prince 4th, reserve champion at the Kansas State Fair, first prize winner at Texas and Oklahoma State Fairs. He is also a full brother to the present herd sire of the Dalebanks Farms, Eureka, Kan., owned by Mr. and Mrs. Francis Perrier. The female offering consists of bred and open heifers of top bloodlines. There are many show prospects in this offering. Plan now to attend.

For catalogs address

Krotz Stock Farms, Odell, Nebr., or Swartz Brothers, Everest, Kan.  
Mike Wilson for the Kansas Farmer

## ATTENTION!

# Kansas, Missouri, Oklahoma and Arkansas Breeders



Selling 60 Head of Canadian Ayrshires  
Monday, April 26  
1 P. M.  
Nevada, Missouri

Sale held under cover 2 1/2 miles east of Nevada on U. S. Highway 71  
This is your Opportunity to Purchase Really Good Ayrshires  
30—First Calf Heifers, fresh or springing.  
18—Second Calf Heifers, fresh or springing.  
6—6 to 8 month old Heifers.  
3—Great serviceable age young Bulls.  
3—Younger Bulls of outstanding merit.  
All cattle registered in the American Ayrshire Assn. Herd Books, and will be transferred to new owners FREE of charge.

All cattle Tb. and Bang's tested. Health certificates furnished.

This is a truly great offering of Ayrshires and the kind that will make you real money. Write at once for catalog and further information. Plan now to attend.

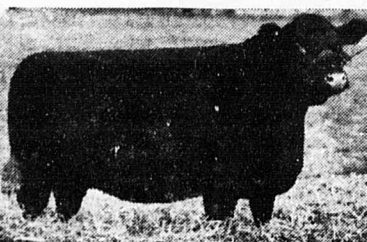
C. C. McGENNIS, Owner, Rich Hill, Missouri

Donald J. Bowman, Hamilton, Mo., Auct. & Sale Mgr., assisted by Wetty Bros., Nevada, Mo.  
R. O. Biggs, Dundas, Ontario, Pedigrees  
John Chambers, Ayrshire Digest Rep.

## Polled (Hornless) Shorthorns

Cherry Hill Hallmark sired by the \$5,700 Gosshall Zimenes and bred by Oakwood Farm, Ashville, Ohio, (his dam was good enough for Cherry Hill Farms to own) and Red Coronet 2nd sired by the International Champion and bred by the Themans, Concordia, Mo., are producing the most perfect calves in the history of the herd (established 1907).

BULLS FOR SALE: We offer 10 sons by "Cherry Hill Hallmark" and 10 sons by "Red Coronet 2nd." Calfood vaccinated. Delivered in Kansas at cost.  
Farm Location: 22 miles west and 6 miles south of Hutchinson.



QUEEN OF HEARTS 2nd X.

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



## Beef CATTLE



**Polled Hereford Bulls**  
For sale. A few good calves, coming 1 year old. Sired by Choice Domino, a Kuhlman bull.  
**LESTER H. KOLTERMAN**  
Onaga, Kansas

## Registered Hereford Bulls and Heifers

Sired by Blocky Domino Jr. by W. H. R. Blocky Domino 42nd, who was in the T. O. Ranch herd for 3 years. Inspection invited or write. (Located 4 1/2 miles north of Scranton.)  
**FRANK HUG & SONS, Scranton, Kan.**

## REG. HEREFORD BULLS

Hazlett and WHR Breeding  
12 big, rugged bulls from 12 to 14 months old.  
**WAITE BROS., Winfield, Kansas**

## Dairy CATTLE

## Guernsey Auction

**Monday, May 3**

12 Noon

**Columbia, Missouri**

Sale at the University of Missouri livestock judging pavilion.

60 HEAD SELLING: 16 fine Cows and 2 year olds. High production individuals sired by leading sires. 18 Bred Heifers—from cows with records up to 639 lbs. fat. 16 Open Heifers—bred right, real show prospects. 7 Bulls—real herd improvers from tested dams with records up to 840 pounds of fat and from top sires of the breed. For catalog write to Secretary H. A. Herman, 101 Eckles Hall, Columbia, Missouri.

Missouri Guernsey Breeders' Assn.

## BUILD A BETTER INCOME WITH GUERNSEYS

There's always a ready market for quality Guernsey offspring... a constant demand for premium-priced GOLDEN GUERNSEY Milk. Send for helpful, illustrated booklet, "Breeding Guernsey Cattle". It's FREE!  
**THE AMERICAN GUERNSEY CATTLE CLUB**  
825 Grove Street, Peterborough, N. H.



**OFFERING REGISTERED GUERNSEY BULLS**  
Yearlings. Good production and type. **DAN R. WOHLGEMUTH**  
Hillsboro, Kansas

## REGISTERED GUERNSEYS

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

## HOLSTEIN BULL

**For Sale**

Valla Vista Mercury Stella Prince born November 30, 1946. Sire—Great Mercury Prince. Dam—Stella Anita Sir Brit. Dam's production over 400 fat.

**GUY ZIMMERMAN**  
Morrowville, Kansas

## HOLSTEIN BULL CALF

Born January 11, 1948. Dam has 645 lbs. fat with 3.9% test on 2X at 2 years. Her dam has 3 records over 600 lbs. and a lifetime record of 93,047 lbs. milk. Sire of calf is Brown's Markmaster Posch, whose Res. All-Am. dam holds the Minn. State Record with 675 lbs. fat at 2 years in 10 mos. Write for full information.

**ERNEST A. REED & SONS, Lyons, Kan.**

## SMOKY VALLEY HOLSTEINS

Carnation Countryman and Kanstacool Madeap Monarch in service. Bull calves for sale.  
**W. G. BIRCHER & SONS, Ellsworth, Kansas**

## BULL CALVES FOR SALE

We bred and developed the first and only Holstein cow in Kansas to produce 1,000 pounds of fat in 365 consecutive days. Young bulls with high-production dams or granddams.  
**H. A. DRESSLER, Lebo, Kan.**

**REGISTERED HOLSTEIN BULL CALF**  
For sale. Born Feb. 16, 1948, sired by Osborn-count Ormsby Tovarich, whose first 8 daughters have records of 400 to 500 lbs. on first year lactation. Dam's production 458 fat as 2 year old. Price \$100.  
**B. C. UNRUH & SONS, Pawnee Rock, Kan.**

**BROWN SWISS BULLS FOR SALE**  
Bull Calves up to serviceable age from dams classified Good Plus and Very Good, with butterfat records up to 800 lbs. Sired by son of proven sire, Marie's Royal of Lee's Hill and whose 3 nearest dams average 635 lbs. of fat.  
**ROSS W. ZIMMERMAN, Abbeville, Kan.**

## AUCTIONEERS

## Registered Livestock AUCTIONEER

**W. H. "Bill" Heldenbrand**  
"Busiest Where Best Known"  
P. O. Box 516  
**OKLAHOMA CITY**



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

## Public Sales of Livestock

### Aberdeen-Angus Cattle

April 17—Mid-Kansas Aberdeen-Angus Association, Hutchinson, Kan. Locke Hershberger, Sale Manager, Little River, Kan.  
April 20—Northeast Kansas Aberdeen-Angus Cattle Breeders, Hiawatha, Kan. Harry Dandliker, Secretary.  
April 21—Albert Godfrey, South Greenfield, Mo.  
May 11—Krotz & Swartz, Marysville, Kan.  
June 7—Chester Davidson, Rocky Comfort, Mo.

### Ayrshire Cattle

April 26—C. C. McGennis, Rich Hill, Mo. Sale at Nevada, Mo.

### Guernsey Cattle

May 3—Missouri Guernsey Breeders' Association, Columbia, Mo. H. A. Herman, Secretary, University of Missouri, Columbia, Mo.  
October 15—State Guernsey Breeders' Annual Sale, Fair Grounds, Hutchinson, Kan.

### Hereford Cattle

April 19—Rayford Farms, A. D. Rayl, Owner, Hutchinson, Kan.  
April 20—Jansonious Brothers, Prairie View, Kan.  
April 20—Ozark Hereford Consignment Sale, Union Stock Yards Pavilion, Springfield, Mo. Donald J. Bowman, Sale Manager, Hamilton, Mo.  
April 23—R. E. Mars, Centralia, Kan. Sale at Onaga, Kan.  
November 17—Wabaunsee County Hereford Breeders' Association, Alma, Kan.

### Holstein Cattle

April 19—C. L. E. Edwards, Topeka, Kan.  
April 30—Robert Hubbard, Emporia, Kan.  
June 3—National Convention Sale—Kansas City, Mo. Art Peterson, Sale Manager, Oconomowoc, Wis.  
October 25—Kansas State Holstein Sale, Abilene, Kan. H. A. Meier, Abilene, Kan., Chairman Sale Committee.

### Jersey Cattle

April 30—Ark Valley Jersey Farm, E. L. Reep, Owner, Wichita, Kan.

### Polled Shorthorn Cattle

May 7-8—National Congress Show and Sale, Kansas City, Mo. Sales Managers—Polled Shorthorn Society, U. S. Yards, Chicago 9, Ill.

### Duroc Hogs

April 23—R. E. Mars, Centralia, Kan. Sale at Onaga, Kan.  
April 24—Earl Martin & Son, DeKalb, Mo.

### Hampshire Hogs

April 17—O'Bryan Ranch, Hiattville, Kan.

### Sheep—All Breeds

June 25-26—Midwest Stud Ram Show and Sale, Sedalia, Mo. Rollo E. Singleton, Sales Manager, c/o State Department of Agriculture, Jefferson City, Mo.

## 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	\$29.00	\$40.00	\$26.25
Hogs	22.50	23.75	25.25
Lambs	25.00	22.50	22.50
Hens, 4 to 5 lbs.	.22	.21	.24
Eggs, Standards	.41	.41 1/2	.42
Butterfat, No. 1	.78	.76	.60
Wheat, No. 2, Hard	2.62 1/2	2.67 1/2	2.74 3/4
Corn, No. 2, Yellow	2.37 1/2	2.75 1/2	1.78 1/2
Oats, No. 2, White	1.34	1.36	.95 1/2
Barley, No. 2	1.91	1.90	1.55 1/2
Alfalfa, No. 1	37.00	37.50	36.00
Prairie, No. 1	16.00	19.00	27.00

## Dual-Purpose CATTLE

## Milking Shorthorn District Shows

May 3 ..... Girard  
May 4 ..... Salina  
May 5 ..... Colby  
May 6 ..... Great Bend  
May 7 ..... Hutchinson  
May 8 ..... Horton

We invite you to attend these District Shows and learn more about the "Farmers' Dual Purpose Breed."

### State Officers

Pres.—Joe Hunter, Geneseo  
V. Pres.—Locke Theis, Dodge City  
Sec.—Treas.—C. O. Heidebrecht, Inman  
Directors—Bernard Wassenberg, Marysville  
H. H. Cotton, St. John; E. L. Wolf, Quinter  
Walter Otto, Great Bend

For information write  
**Kansas Milking Shorthorn Society**  
Inman, Kansas

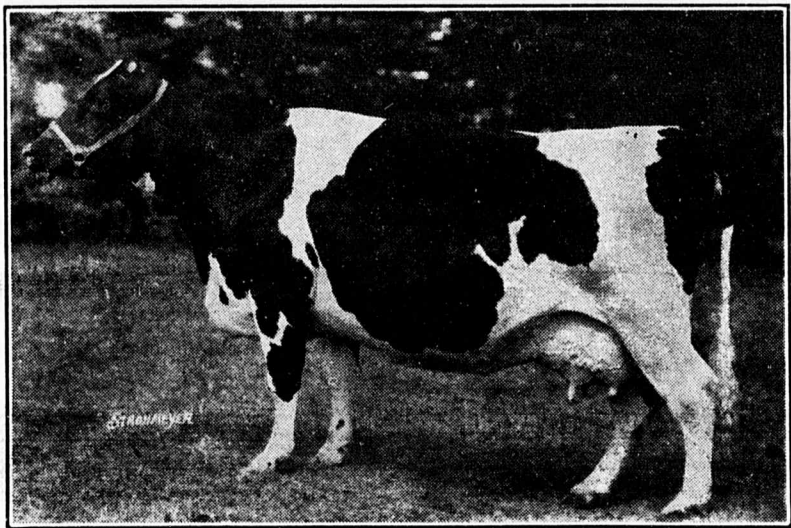
## DUALYN MILKING SHORTHORNS

Bull calves, related to the National Grand Champion cows, Dualyn Juniper and Blue-jacket Roan Lou, for sale at reasonable prices. Herd sires: Queenston Babraham RM; Imported Iford Earl Gwynne 11th; Neralcam Admiral and Count Perfection.  
**JOHN B. GAGE, Eudora, Kansas**

## MILKING SHORTHORNS

Let us help you. For information and your wants write. **Kansas Milking Shorthorn Society**  
C. O. Heidebrecht, Sec., Inman, Kan.

**RELIABLE ADVERTISERS ONLY ARE ACCEPTED IN KANSAS FARMER**



## Hubbard's Holstein Dispersal Sale

At farm 5 miles south of Emporia on Highway 99

**Friday, April 30**

Sale Starts at 12:30 P. M.

65 HEAD from our foundation of 17 registered females brought to the farm during the past years and the use of nothing but high ancestor record registered bulls including sons of such bulls as Smoky Hill Ormsby, King Creator and Mt. Rega Lala Lad, so the offering, all but 2 or 3, are purebred but not eligible to record, as no records have been kept.

33 Mature Cows, only 2 or 3 over 7 years old.  
(25 Cows and Heifers now in milk.)  
8 Bred Heifers.  
14 Heifers (6 to 15 months old).  
10 Baby Calves.

A 3-year-old herd bull, son of King Creator Segis and out of a Dunloggin 421 lb. 2-year-old cow.

Offering includes cows that have made up to 75 lbs. milk daily.  
25 Head produced over 3,000 lbs. of milk for the month of March.  
All calves calfhod vaccinated. Herd recently tested for Tb. and Bang's, with not a single reactor.

For further information see or write  
**ROBT. L. HUBBARD, Owner, Emporia, Kan.**

Auct.: Bert Powell

Jesse R. Johnson with Kansas Farmer

## REEP'S JERSEY CATTLE DISPERSAL SALE

at farm 7 miles north of WICHITA on highway  
81, 1 1/2 miles west on 53rd St.

**Friday, April 30**

### 21 HEAD OF REGISTERED JERSEYS

11 Practically Purebred but not eligible to record.  
14 Cows and Heifers in milk or heavy springers  
8 Bred Heifers.

8 Calves and the Herd Bull, JESTER EAGLE EYE 46036 (his daughters making records up to 226.6 fat, 4471 milk in 134 days).

AN ATTRACTION—6-months-old bull, Observer's King of Ark (dam has 550 fat, 11,364 milk and classified Very Good.)

The entire herd classifies 85% on D. H. I. A. test for past 4 years, average 365.2 fat. Longview, Observer, Masterson and Jester Eagle Eyes bloodlines.  
4-H calves calfhod vaccinated. Herd Tb. and Bang's tested.

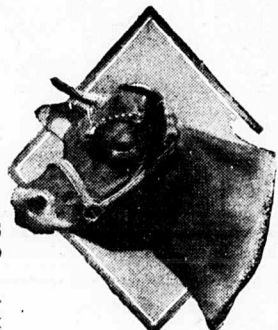
Full line of dairy equipment, farm tractor, manure spreader, etc.

For catalog address

**ELMER L. REEP, Rt. 1, Wichita, Kan.**

Auctioneer: Boyd Newcom

Jesse R. Johnson with Kansas Farmer



## PRODUCTION SALE HEREFORD CATTLE AND DUROC HOGS

Onaga, Kansas

Fair Grounds

**Friday, April 23**

### HEREFORDS—27 LOTS

21 HEAD, Registered, comprising

5 Registered Yearling Bulls. 4 Grade Heifers (with calves at foot).  
11 Registered Yearling Heifers. 2 Grade Hereford Yearling Heifers.  
5 three- and four-year-old Heifers (all but one with calf at foot).  
**Hazlett, WHR and Cottrell breeding.**

Offering sired by or bred to WVHR Worthy Tone, son of WHR Worthy Domino 21st. Cattle recently tested for Tb. and Bang's with not a single reactor.

### REGISTERED DUROCS

8 Gilts, bred to a grandson of KANT-BE-BEAT.  
4 Open Fall Gilts and 4 Fall Boars sired by Gold Strike (immunized).

**R. E. MARS, Owner, Centralia, Kan.**

Auctioneer: Harold Tonn

Jesse R. Johnson with Kansas Farmer





APR 17 1948

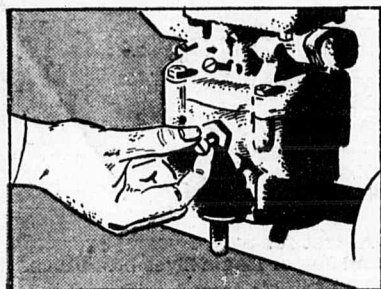
# Want to cut tractor operating costs?

Save fuel and save money, these easy ways...

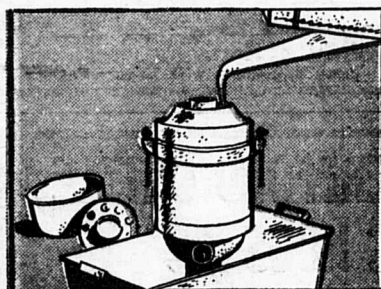
**1** Out of every dollar spent to run a tractor, roughly 40 cents goes for fuel. And of this ... on the average tractor ... faulty carburetor adjustment alone wastes about 4 cents ... about \$8.00 to \$15.00 a year. This is because ...



**2** ... instead of warming up the engine fully before putting it under load, many operators simply open the carburetor load adjustment to get an over-rich fuel mixture so they can start right in to work. Then—even after the engine warms up—they leave the adjustment open all day, instead of closing it to its proper position. The result is the same as throwing away one out of every 10 gallons of fuel.



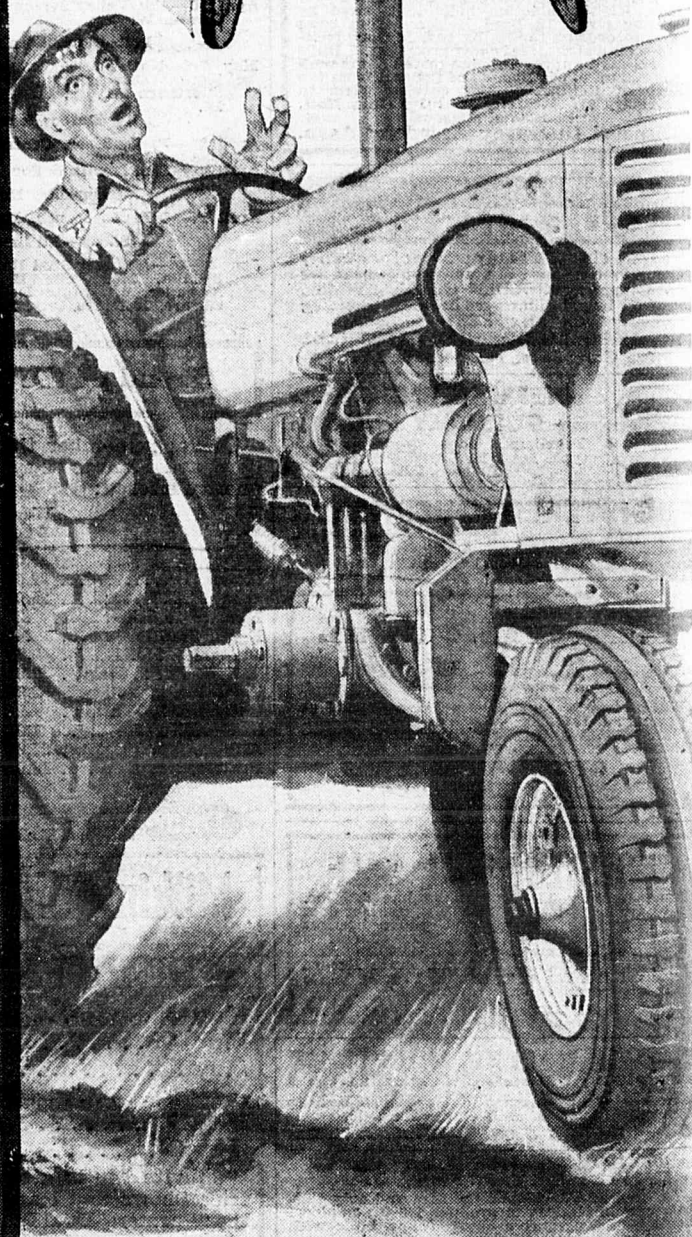
**3** To find the proper position for the carburetor load adjustment, first warm up engine, run it full throttle without load, and retard spark if possible. Next, screw in the load adjustment until the engine slows down. Then open adjustment slowly until engine runs smoothly. Now put the tractor under load and, if engine stalls, open the adjustment about 1/8 turn (Zenith carburetor) or a couple of notches (Marvel-Schebler carburetor), and apply load again. Continue this process until load can be pulled.



**4** Another factor in fuel saving is your air cleaner. It should be serviced daily ... and it should be removed and washed with kerosene once a year (see picture). When you reassemble it, make sure all connections are *air tight*. Also, if your tractor has a heat regulator on the intake manifold, be sure it's set for the fuel you use.



**5** Fuel costs rise when your ignition system loses efficiency. So keep spark plug points properly adjusted. Change plugs whenever they show wear. Use cold plugs (short insulators) for gasoline, hot plugs (long insulators) for heavier fuels. Also, avoid over-lubrication of magneto, and adjust magneto points every 200-300 hours.



Be sure to study your manufacturer's instruction book. When you need major repairs, see your tractor dealer. And when you operate your tractor, be sure the safety shields are on.

**BE CAREFUL—THE LIFE YOU SAVE MAY BE YOUR OWN!**

STANDARD  
SERVICE



**STANDARD OIL COMPANY**

