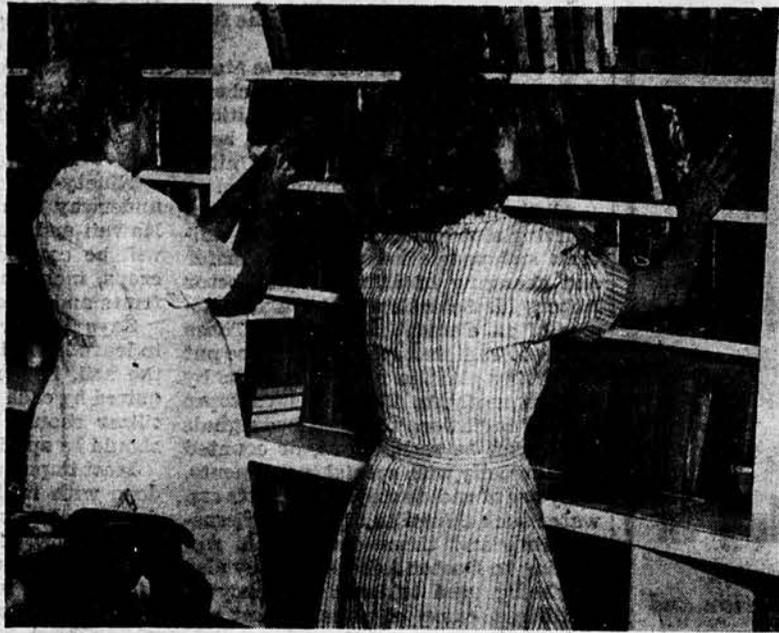


Kansas Farmer



ARRANGING BOOKS in the Galesburg library, taken over by their unit, are Mrs. Blanche Shaw and Mrs. R. F. Hughes.



LOOKING OVER shrubbery at Galesburg high school, toward which the Galesburg Home Demonstration Unit gave \$100, are Mrs. Blanche Shaw, Mrs. L. K. Olson and Mrs. R. F. Hughes.

If Something Needs to Be Done Guess Who Will Do It?

... Vision and drive of Neosho county farm women made this modern, fully-equipped community hospital possible

IF YOU WANT a community job done, give it to a woman. We men like to brag about our achievements, but the records generally prove we need to take a back seat when it comes to getting things done in the community.

You don't believe it? Well, you should have been with us recently. We stopped long enough to take a look at what farm women are doing down in Neosho county thru their home demonstration units.

Biggest monument to their vision and energy is the Neosho Memorial Hospital, at Chanute, built and equipped at a cost of about \$550,000. It is one of the best-equipped and best-operated hospitals you will find anywhere. During 1951, its first year, the hospital cared for

[Continued on Page 12]



NEOSHO MEMORIAL hospital grounds were landscaped by Tioga Home Demonstration Unit. Here Mrs. Gordon Barker, left, of the Tioga Unit, and Mrs. Paula Glover, home demonstration agent, examine one of the shrubs.

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- **"When I Buy a Bull"** **Page 6**
- **A Dairyman Goes East** **Page 10**

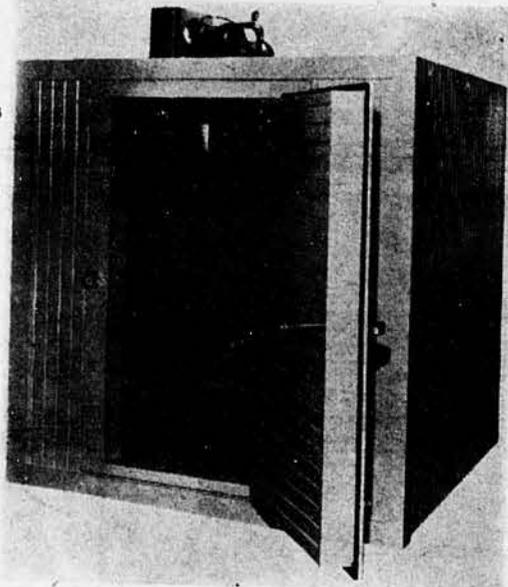
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Why All the Fuss About Isotopes?

These little detectives can trace digestion, tissue building, help discover cause of diseases

YOU ARE GOING to hear a lot from now on about radioisotopes. Radioisotopes, according to the Atomic Energy Commission, will prove the greatest help to agricultural research since the discovery of the microscope.

Nearly 100 top scientists recently met at Kansas State College, Manhattan, and exchanged latest scientific information available on isotopes and their use in agricultural research.

So, perhaps you would like to know what an isotope is and why all the fuss about it.

A radioisotope is a radioactive atom. An atom is the smallest unit of a chemical element. These are the definitions given by Dr. Paul C. Aebersold, head of the Isotopes Division of the United States Atomic Energy Commission.

All chemical reactions and every act of living and breathing of plants, animals and people involve the transfer and changing of atoms, says Doctor Aebersold. Scientists make a few atoms of an element radioactive. These atoms or radioisotopes then can be put into living plant or animal systems by various methods. These radioisotopes give off radiations that produce signals which can be seen, heard, or counted mechanically with special instruments.

By use of radioisotopes scientists can water such things as digestion, tissue-building and tissue-destruction. According to Doctor Aebersold, they also are being used to learn efficiency of fertilizers, cause of certain plant and animal diseases, nutritional requirements of farm animals, flight pattern insect behavior, other things.

About 10 problems in radioisotope research are being studied at Kansas State College now, according to R. I. Throckmorton, dean of the school of agriculture. One of these is with the insecticide parathion. By labeling the insecticide with radioactive phosphorus before spraying on dairy cows, the

college has been able to trace parathion thru the animal's body. They have found almost all of it is eliminated by the cow and only a very small amount gets into the milk.

In another experiment the college has proved that yellowing of sorghum plants—believed to have been due to plants not being able to take up iron from the soil—was not due to this cause at all. They now are looking for real cause of this chlorosis.

Dr. Sterling B. Hendricks, head chemist of the division of soil management and irrigation, USDA research center, at Beltsville, Md., reported on research with radioactive fertilizers.

Many Tests Underway

Ninety-four such experiments are underway this year in 26 states plus Hawaii and Puerto Rico. Experiments will be carried out with 18 different crops, including grains, forage crops, fruits and vegetables.

Says Doctor Hendricks: "We want to learn how plants get their food from the soil, how much plant food is required by each kind of plant, when fertilizer should be applied, and how it should be applied for best results."

Most important research work being done with radioisotopes, Doctor Hendricks believes, is on photosynthesis—that ability of plants to take energy from the sun and combine it with plant food, ending up with the product for which the plant is grown—such as wheat, corn, cotton. Fifteen research stations are working on this one problem. It is possible, thinks Doctor Hendricks, that when man finds the secret of photosynthesis it will be possible to give the world an ample food supply.

Already, with use of radioisotopes, scientists have found that a thyroid condition is probably the cause of still-born and runty pigs, and has a definite effect on ability of ewes to breed.

What Other States Are Doing To Eliminate Brucellosis Disease

By DICK MANN

Editor's note: This is third in a series of articles on what other states are doing to eradicate brucellosis (Bang's disease). In the June 7, issue we gave details on ring test used in Wisconsin. This article discusses accuracy and other phases of ring testing in Minnesota. Next article will be in July 19 issue.

ALTHO KANSAS doesn't have a ring testing program, a former Kansas boy is one of the leading authorities on the subject. We are speaking of Dr. M. H. Roepke, professor of veterinary medicine at the University of Minnesota, who is in charge of all ring testing in Minnesota. Doctor Roepke is a former Riley county farm boy.

Using traveling laboratories, authorities in Minnesota test every herd in the state at 6-month intervals.

"It takes a crew of several professional persons to operate such a traveling laboratory," says Doctor Roepke. "We need a veterinarian in charge who has a laboratory technician as his assistant. Three technicians, each with a car, then visit plants and buying stations to collect samples. We operate in a 40-mile radius of where our laboratory is located."

What Is the Cost?

"What does it cost for this ring testing work?" we asked. "In Minnesota it is running about 48 cents a herd," says Doctor Roepke. "This is about what it would cost to blood test one cow. Ring testing, of course, merely indicates the herd should be blood tested."

"How accurate is ring testing?" we asked. "I can speak only for our work in Minnesota," replied Doctor Roepke, "but there it is proving about 70 per cent accurate on any one test. Two thirds of our failures are due to non-producing reactor animals present in the herd at the time of test. We try to overcome this limitation by repeating the test every 6 months. We occasionally miss a single cow going dry but usually catch her on the next test. We (Continued on Page 3)

KANSAS FARMER

Continuing Mail & Breese

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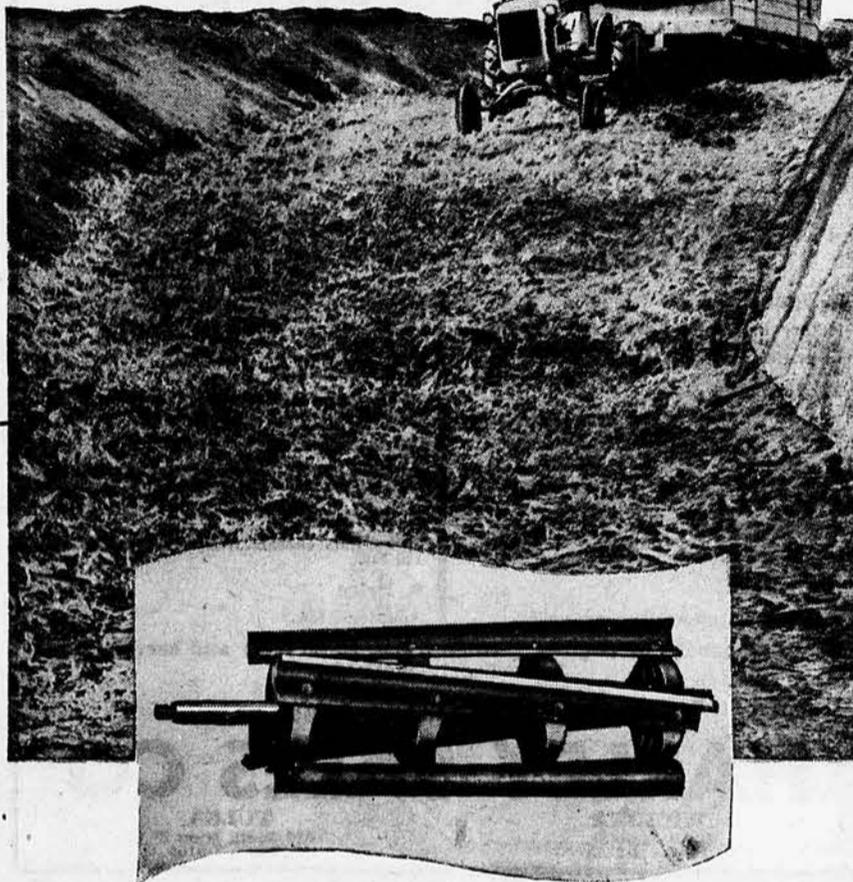
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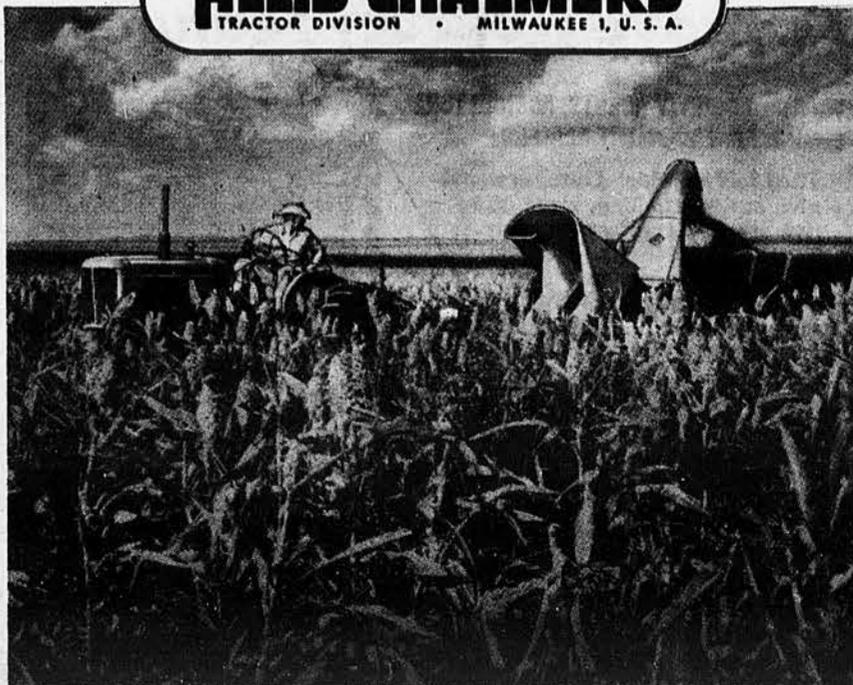
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to 20 per cent of infected herds will contain 15 to 20 per cent infected animals.

"If reactor cattle are slaughtered after the 1st blood test, 70 per cent of the herds will prove negative on the 1st re-test. This means infection is light in most herds and fairly static.

"In most cases the herd owner can afford to sell off infected animals to give protection to the rest of his herd. Best way to protect a clean cow is to get rid of infected animals with which she comes in contact. Object of any eradication or control program should be to protect the clean cow and clean herd," says Doctor Roepke.

Minnesota has a \$125 appraisal value limit on grade and \$225 on registered animals. If the slaughtered infected animal fails to bring as much as the state appraised value, the state pays the difference as an indemnity.

This problem of indemnities looms large in any eradication of control program. From what we could learn by talking to men attending the United States Livestock Sanitary Association meeting in Kansas City last fall, it was the politicians—not the farmers—who wanted indemnities paid as part of any brucellosis eradication program. Farmers realize, they said, that the high cost of indemnities, when the whole load is shifted to the state, may eventually defeat the program.

make frequent tests because of the low cost of 48 cents a herd previously mentioned."

First time a laboratory unit goes into new territory, says Doctor Roepke, it will catch 50 per cent of infected herds and 65 per cent of infected animals. Second trip will boost herd percentage to 70 or 75 per cent and will catch 80 to 90 per cent of infected cattle. On the third trip into the same territory, the test will disclose 85 per cent of infected herds and 95 per cent of infected cattle.

"It takes 3 or 4 successive ring tests to get maximum benefit," says Doctor Roepke. "After that, semi-annual ring tests are effective in keeping infection at a low level—would compare in effectiveness with an annual blood test. "Neither the ring test nor the blood test will do any good, however," thinks Doctor Roepke, "unless an eradication program follows disclosure of infection."

In Minnesota each traveling laboratory crew is testing an average of about 1,000 herds a week and is covering 33 counties every 6 or 7 months. Here are some interesting facts discovered so far by these crews, according to Doctor Roepke:

"We have found," says Doctor Roepke, "that less than 10 per cent of animals are infected in more than 50 per cent of infected herds. Another 15

WHAT ABOUT BRUCELLOSIS?

A new booklet entitled "What Is Known About Brucellosis" is now available, issued by The National Committee on Brucellosis.

This booklet contains chapters on species of animals infected, importance of the disease, public health aspects, distribution of the disease, how the disease organisms enter the animal's body, channels of elimination from the body, resistance of the germs outside the animal's body, natural course of the disease, symptoms, method of spread, vaccination, control and eradication.

You can get a copy by sending 25 cents to Service Editor, **Kansas Farmer**, Topeka, and asking for "What Is Known About Brucellosis."

These Potato Crop Saving Points Are Well Worth Your Watching

By WILLIAM G. AMSTEIN, Kansas State College

WITH RECENT SHORT IRISH potato supply in mind, gardeners will be interested in doing a better job of protecting their 1952 production. For many families, Irish potatoes are an important home produced food. Last year, wet weather interfered with storage results. This year dry weather may cut down yields as well as increase amount of heat injury before potatoes are dug and stored.

Many farm families are able to store Irish potatoes with fair success until late spring. A few points must be given careful consideration. As plants approach maturity, as shown by vines dying and drying down, potatoes should be harvested and stored. Avoid sunscald injury to potatoes both before they are dug and after they are out of the ground for storage.

In harvesting potatoes, keep them out of the hot sun even for short periods especially on hot, clear days. Best time of day to harvest is early morning or late in afternoon.

Many gardeners, after digging potatoes, place them in a shed or driveway under a shade tree where direct rays of the sun will not reach them. It is better to spread potatoes out one layer deep. In most sections, a day or two for curing will ready potatoes for storage. When the skin or covering has become firm or tough, they are ready for storage.

Take care in digging to avoid cutting or bruising potatoes. Many losses later in the year are the result of this damage. Too many potatoes are injured by light during the curing period or before they are dug. This causes them to turn a greenish color. Quality and storage

life of potatoes is injured in this way. covering or shading with newspapers, hay or sacks during the curing will help cut down on light burn.

After potatoes are cured, a good cave or cellar is best place to store Irish potatoes. Crates or baskets that permit air to circulate thru or around make good storage containers.

Storage cellar or cave should be thoroughly cleaned out before potatoes are put in. This will help cut down losses thru the season.

There are chemicals that can keep Irish potatoes from sprouting in storage. Sprouting is undesirable as it causes potatoes to wilt and shrink so they are no longer firm. Name of this new chemical is "Methyl Ester of Naphthalene Acetic Acid." However, several companies are packaging it for sale under such trade names as Bar Sprout and Sprout Inhibitor.

Sprouting does not normally occur until potatoes pass thru a "rest period" which lasts a month or more following digging. Potatoes to be kept for winter and spring should be treated within a month after harvest. Best method of treatment is to sprinkle the chemical dust among the potatoes making sure it is evenly distributed thruout storage bin or basket. Use amount given in directions on package. The chemical gives off a gas that penetrates pores of the potato.

The dust will prevent sprouts, but it will not check growth of sprouts that started before the chemical was applied. This dust will not prevent potato rots. Potatoes should always be stored in a cool place like a cave or cellar where air is not too dry.

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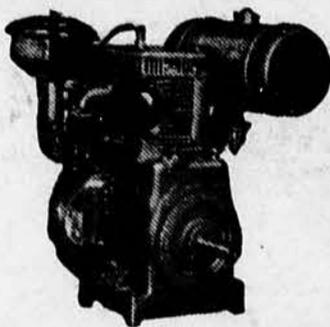
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No. 2 in series of letters to you from
 Kling L. Anderson, writing from New Zealand

My First Impressions of Agriculture In Beautiful New Zealand

By KLING L. ANDERSON

Palmerston, N. Z.
 June 16, 1952

Dear Editor: Please forgive me for not writing you sooner, but I have just emerged from a month in the hospital. I was taken ill just as I was starting my South Island trip and as winter is now setting in there in earnest, that tour of the native grasslands will have to wait until spring. Soon as possible I will gather more material for you.

I think some day I shall have to do you a piece on the climate of this country and the strange behavior of the vegetation to the winter frosts here. It is now the beginning of winter. We have had several sharp frosts but such tender plants as nasturtiums and geraniums continue to blossom freely. Many shrubs like camellias and rhododendrons are just beginning to bloom. The flowering cherry, apple and quince are almost ready to burst into bloom, and the fall flowers like marigolds are still a riot of color. The grass, of course, is growing at a great rate.

I just wanted you to know I'd not forgotten you and will have something for you later.—Kling Anderson.

Dear Editor (Palmerston North, New Zealand, May 10, 1952): I want to give you some of my first impressions of the agriculture of this beautiful land.

New Zealand is almost exclusively an agricultural nation and its agriculture is almost entirely livestock produced on pasture. Climate is almost ideal for grass production, at least in this western part of the North Island. Rainfall here is about 40 inches, well-distributed thru the year. Temperatures are mild, seldom falling more than a few degrees below freezing and almost never rising above 80°. I understand they are somewhat more severe in South Island but even there they are tempered by the nearness of the sea. I don't suppose any place in New Zealand is as much as 100 miles from the seacoast.

As a result of these mild temperatures and abundant moisture, grasses grow thruout the year. Actually, they do slow down a bit in winter and may do so in a dry summer, but the improved pastures I've been seeing are carrying 5 or 6 ewes per acre for winter and some of the best experimental pastures are carrying 10. On pastures now carrying 5 or 6 sheep it will be necessary to increase the stocking rate when grass really starts rapid growth next spring (it's late fall here now), and many sheep farmers buy cattle to increase stocking rates in the spring, fattening beef animals at the time the lambs are fattening on grass.

Dairymen use a somewhat different scheme. Instead of adding stock during spring period of extra-rapid growth, they cut some of it for hay or silage to be fed in winter or summer periods of



Kling Anderson

relatively slower growth. Thus they can maintain a uniform number of animals the year around.

Neither fattening sheep nor high-producing dairy cows are fed any grain, nor even hay or silage except in seasons of lowered pasture yields. Despite this they produce 200 to 300 pounds of butterfat per acre of grass. A few of the best dairymen exceed the 300-pound mark and research workers are shooting at 500. They'll make it too.

One interesting feature of the pasture program here is fertilization. You would think such high production would require excessive amounts of fertilizer. Before the war they were top-dressing with 200 pounds of superphosphate per acre per year, but when imports of this fertilizer were cut by war they reduced this to one such application in 3 years. Surprisingly enough, their pasture yields did not fall off significantly. They had, of course, been building up their phosphorus level by annual applications, and now many are applying this fertilizer less frequently than before.

In addition to superphosphate, they must use lime, ordinarily applying 2 tons per acre before seeding the pasture, and then top-dressing with 500 pounds whenever they apply the super. Lime is applied as ground limestone.

No nitrogen fertilizer is used. Instead, lime and superphosphate encourage an abundant growth of clover which adds enough nitrogen to the soil to keep grass highly productive. Best pastures are producing between 13,000 and 17,000 pounds of dry matter per acre per year. It has been calculated that up to 600 pounds of nitrogen are returned to an acre of the best pastures in the animal urine and droppings. Compare that to the 100 pounds

(Continued on Page 5)

HINTS ABOUT INFANTILE PARALYSIS

Altho the medical term, Poliomyelitis, has now come into rather general usage, the thing thought of by parents and other members of the family remains the dread of paralysis, and always is the fear chiefly, for childhood and young people. We are hopeful infantile paralysis will not strike hard this year. We are hopeful some of the new preparations being tried as preventives may be effective. Infantile Paralysis is not yet an ailment about which we may venture to feel any safety.

My special letter, "Hints About Infantile Paralysis," may give you information of value. It will be sent to any subscriber sending a request, with an envelope addressed to himself and bearing a 3-cent stamp, to Dr. C. H. Lerrigo, Kansas Farmer, Topeka, Kansas. No copies can be sent unless the stamped envelope is received.

of nitrogen we add to our smooth brome when we top-dress it with 300 pounds of ammonium nitrate fertilizer an acre. Use of potash fertilizers is at present limited to a few special cases as most soils here seem to be amply supplied with this element. Certain soils do show trace element deficiencies, however, the case of molybdenum being especially interesting. It appears legume bacteria do not thrive without it so legumes fail to grow properly and to supply proper amounts of nitrogen, hence pasture yields are reduced. I was shown tests on soils lacking in this element where superphosphate gave only a slight boost to the clover, but where between 1 and 5 ounces of a molybdenum compound per acre were added to the phosphated plots the clover population and top-growth increased many fold. Adding too much molybdenum, say 8 to 10 ounces per acre, may prove harmful to the grazing animal as it is likely to interfere with their copper metabolism.

Trouble With Hills

In addition to these high-producing farm pastures there is a large acreage of hill pastures that are too steep to plow and reseed. They carry about 1 to 1½ sheep per acre in the unimproved condition. All sorts of schemes are being tried to fertilize and reseed them. I saw one farmer blowing fertilizer up hill with a tractor-drawn blower into which the fertilizer was fed thru a hopper. Latest scheme is to fertilize from airplanes and they are building landing fields in the hill country for this. I am scheduled to visit some of these at a later date.

Practically all land in these pastures, both in hills and valleys, was once covered by dense forest which was cleared away by felling and burning some 50 to 80 years ago. After the original burn, such grasses as perennial ryegrass and orchardgrass were seeded in the fresh ashes. These are still present, but certain less productive ones like browntop, a relative of our redtop, have become abundant. Increased production is dependent upon reseeding and fertilizing to encourage clover, and the need for improvement is emphasized by the high livestock population. New Zealand, with only 43,000,000 acres occupied by farms and pastures, has more than 30 million sheep and cattle. The growth of its livestock industry depends on improved pastures and increased efficiency of utilization.

In my enthusiasm about pastures I've neglected to tell you about the country and about its people. New Zealand is one of the Dominions of the British Commonwealth. It lies some 1,200 miles east and a little south of Australia. It is divided into 2 main islands and several smaller ones stretching 1,000 miles in a north-south direction. The north end is sub-tropical and the south quite temperate, but snow lies on the southern mountains all summer. New Zealand is very mountainous, especially in South Island. While the rainfall is ample and quite well distributed over most of the farming area, it varies greatly in amount in some places. Lowest precipitation is just under 15 inches in the native grassland area of South Island and on the western slopes of the mountains it often exceeds 100 inches, reaching 300 inches or more per year at some of the recording stations.

People Are Friendly

The people are grand, friendly and very hospitable. They are mostly of English origin and even the second and third generation of them speak of England as "home." Their bonds with the mother country are extremely close. The native people, the Maoris, a care-free, friendly, Polynesian race came here from the tropical Pacific islands less than 1,000 years ago. There were fierce wars between the Maoris and the whites, culminating at about the time of our Civil War. They are now peaceful and contented, living in full equality with the white population. I hope to become acquainted with them and their customs during my stay here. Sincerely,
Kling L. Anderson.

(Watch for another letter soon.)

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"When I Buy a Bull I Look For Production"

By DICK MANN

... Grain for dry cows, planned pastures, cow testing, rigid culling, holding production level, special calf care, sanitation also help earn success for A. L. Miller

WHEN YOU TAKE grain away from a dry cow you're giving her a vacation without pay," says A. L. Miller, Reno county Jersey breeder. Feeding grain to his dry cows was one of the practices that helped him win the 1951 Efficiency Production Award for Kansas. This award, given by the National Dairy Products Corp., goes to the one breeder of all breeds in DHIA, who has made the best showing on planned pastures, record keeping, home-grown feeds, balanced rations, and proved sires.

But winning awards is no novelty to this Jersey breeder. Mr. Miller has been given the constructive breeder award 3 times. His herd is listed as a Gold Star herd, which means an average above 450 pounds of butterfat for the last 4 consecutive years on HIR test. He has had 4 Ton-of-gold cows—cows that produce 2,000 pounds or more butterfat in 4 consecutive lactations. Three superior sires have been used in the herd. One sire has been proved in the herd and another soon will be.

Records on the Miller farm have not come easy. "I started testing in 1943," says Mr. Miller, "and my herd that first year averaged just over 400 pounds of butterfat. Then, next year, I had some breeding troubles and the average dropped to 378."

From this point it has been a hard but steady climb until a peak was reached in 1951 of 487 pounds of butterfat on DHIA and 495 on RHI.

"I have practiced a rigid program of culling to cut out poor cow families," says Mr. Miller, "and when I buy sires I always check on what that sire's daughters have done in other herds."

Present herd sire is Masterman Standard Just, a Knolle Jersey Farm bull, from Sandia, Tex. His dam was judged excellent when 12 years old. She had many sisters 16 to 18 years old still milking and having calves. The bull's

sire also was classified excellent and was breeding at 12 years old and had about 400 daughters. "When I buy a bull I look for production, type and indication of long life," says Mr. Miller.

Pasture program on the Miller farm calls for Balbo rye in spring, some sweet clover, sand love grass, Sudan grass, then back to rye. "I would like to have some brome but can't seem to get it established," Mr. Miller explains. Atlas sorgo silage and alfalfa hay are raised and fed and wheat straw for bedding. Enough silage is put up to carry the herd thru summer if needed.

When cows are on pasture they have hay before them at all times. "I can't always tell right away when my pasture is no longer sufficient," says Mr. Miller. "If I don't feed hay the cows will go down on production before I realize it. I find it easier and cheaper to keep them on a level of production than to try to bring them back up if they get down once."

Calves are handled very carefully on the farm. They are started out in calf stalls until 3 months old, when they are promoted to a small lot where they have a portable shelter. When 6 months old they are moved to a second lot also having a portable shelter. When they are about 10 months old they are turned in with cows.

During this development period calves are fed milk the first 6 to 8 weeks, then put on prairie hay, commercial calf meal, and whole oats. Calves 6 to 10 months old get a little ensilage. "I never feed alfalfa hay to young calves," says Mr. Miller, "as it is just inviting the scours."

Clean quarters, clean bedding and adequate shelters are 3 points in calf management. Shelters used on the farm are 12 by 12 metal round-tops that cost about \$100 each and can be moved anywhere on the farm to fit management plans.

[Continued on Page 11]



QUICK COOLING of milk is one secret of low bacteria count. Here Vernelle Miller puts electric agitator into can of milk that is sitting in an ice-water bath-type cooler.



COW TESTING has helped Mr. Miller cull out low producers. Tester Kenneth Stull, shown here at Miller barn, says Mr. Miller is one of best feeders in his association.



A CONVERTED horse barn is used by Mr. Miller for a milking parlor, but bacteria count is kept very low by sanitation and other precautions.



WINNER OF 1951 Efficient Production Award is A. L. Miller, Jersey breeder, for superior achievement in a well-balanced program.

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Going From Summer to Winter

We saw cloud seeding, had breakfast with General Eisenhower, witnessed a beetle battle, waded snowdrifts, studied mountain ranching, saw western irrigation

By **RAYMOND H. GILKESON**

IF YOU GO to Colorado this summer, you might wish to stop in Denver to see the "rain-making" laboratory. It is operated by Dr. Irving P. Krick. On the door it states he is head of the Water Resources Development Corporation, 460 South Broadway. Your editor stopped there in mid-June on a tour of Northwest Colorado with other members of the American Agricultural Editors' Association.

You have read of Doctor Krick in *Kansas Farmer* as we have reported his "rain-increasing" operations before. He stresses the point he doesn't make rain, simply increases the amount from clouds that may be handy. He can't make clouds form, but seeds those that do form with silver iodide to squeeze out more water than might normally fall.

Big Staff on the Job

Is this rain-increasing business a success? Doctor Krick has 130 people on his payroll, has branch laboratories in Pendleton, Ore., Rapid City, S. D., and Austin, Tex. He has part-time workers all over the U. S. west of the Missouri river. In Denver office 4 teletype machines are constantly bringing in weather reports. Scientists are on hand day and night to interpret those weather reports for 500 regular customers, including farmers and business organizations, and to start seeding clouds if rain-increasing is "on order."

Saw Furnace Operate

Tom Swearingen, of the lab, demonstrated one of the little cloud-seeding furnaces. It has a small hopper filled with charcoal that has been impregnated with silver iodide crystals. This hopper dumps a few pea-size bits of coal at a time into the tiny blow-furnace. As it burns millions of crystals are blown high in the air. "The whole thing is so simple," Mr. Swearingen said, "folks just won't believe it. They think we should have bells or moving parts on it, I guess."

Then He Made Snow

Then he put on a cloud seeding demonstration we could see. He used a black-lined home food freezer. To make the cloud he simply blew his breath into this cold box—like you see your breath in winter. Focusing a flashlight beam into this cloud he lit one match in the box. The match head had a coating of silver iodide crystals. Within seconds we could see hundreds of tiny snowflakes form in the beam of the flashlight. These were formed around the silver iodide crystals.

One other time I saw a weather scientist line a home food freezer unit with dark cloth, blow in his breath to make the cloud, scrape silver iodide crystals into the cloud. They spiraled around like falling airplanes, each one leaving a white smoke trail behind. All of a sudden the whole cloud seemed to pop into snowflakes that actually fell on the dark lining.

Denver temperature on Sunday, June 15, while we were talking with Doctor Krick was up to 98 degrees—could have used a rain, phew, it was hot! But soon as the sun went down cooling mountain breezes made me think of a lightweight jacket. Local folks told farm paper editors that high temperature was unusual.

Breakfast With General Eisenhower

Next morning we got up to a breakfast sponsored by Ralston-Purina Company. General Eisenhower was top guest. He said again, if elected President he will not hesitate to call on the best brains in the country for advice. Said he wasn't going to try to

tell a bunch of farm paper editors about agriculture. That, he said, would be like asking one of the farm paper editors to stand up before the Army's general staff and plan a channel crossing campaign. He said he relied heavily on his "kid brother" Milton for agricultural information, also invited the editors to give him their ideas any time. You recall Milton recently was president of Kansas State College, Manhattan.

The General said he is a farmer in his own right. In fact, was expecting to double his beef herd that week. "You see," he said, "I have one beef cow and we are expecting her to drop a calf any time and double the size of my herd. Naturally you can understand why I am on needles and pins awaiting the good news." General Eisenhower meets people well, says he doesn't know the answer when he doesn't, made a good impression on the farm paper editors gathered in Denver from coast to coast.

From Summer to Winter

Leaving the Eisenhower breakfast interview, the editors left summer behind and drove into the foothills west of Denver, up Clear Creek canyon to the mining town of Idaho Springs, then

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up over 11,314-foot Berthoud Pass and into the mountain-surrounded Middle Park area, elevation 7,500 to 9,000 feet on west side of the Continental Divide. It's a beautiful route. Easterners making their first mountain trip got plenty of thrills, one or two felt slightly light-headed, of course when we climbed "our breath came in short pants," one prankster in the crowd tried to sell

"oxygen tablets" to first-timers for \$2 apiece—no takers, so he put his aspirin bottle away.

So much snow on the mountains thrilled a lot of us. Over the high passes it was still banked nearly car high on inside of roads. It was winter in the mountains in June. Good coating of frost on car tops of a morning. Snow holding back tree spraying that needs to be done.

Beetles Killing the Trees

Spray is needed to save the beautiful mountain trees from complete destruction. Thousands upon thousands of trees already have been killed by the Englemann spruce beetle. Foresters kill the beetles by laboriously hunting and marking infested trees and spraying with orthodichlorobenzene and fuel oil. We saw a spraying demonstration. Beetles land on the trees, dig into the bark, lay eggs in July and August that hatch in about 14 days into the larval stage. Larvae feed in a mass on the living inner bark until about October, when they become dormant thru winter. Feeding is resumed in spring. Larvae reach full-grown stage in July, change into adults, are fully mature the following spring and ready to attack new trees. Life cycle is completed in 2 years. Female lays 140 eggs.

When you see dead spruce trees in the Rocky mountains west of the Continental Divide, the Englemann spruce beetle may be the cause. The epidemic was discovered in 1941. By 1943 beetles were attacking all ages of trees. Chemical spray experiments in 1949 showed control by spraying was practical. Costs, about \$3 a tree to spray. If not sprayed trees will die if attacked. And those trees certainly make the mountains attractive to vacationers, live trees are less likely to burn, they hold water back thus preventing floods, protected trees grow into good lumber. Those are some reasons offered for spraying.

Cattle High in Mountains

We went over 10,719-foot Rabbit Ear pass to Steamboat Springs for the night. Frosted car tops again. Next day visited R. E. Jones commercial cattle ranch near Yampa. It is a typical high-altitude cattle operation. There is beautiful meadow land where cattle are held in winter and hay is cut in summer. No shelter needed other than willows to break the winter wind. Day we were there cattle were being moved to higher ground for summer grazing on Government or national forest land. Moving from home ranch to forest grazing land, cattle are "drifted" 10 or 15 up to 30 miles. Some cattle are being hauled by trucks of recent years. Summer range riders keep an eye on the herds.



"Remember your figure!"

Second stop for the day was at famous ranch operated by DeBerard Cattle Company. You livestock men know of Fred DeBerard, veteran breeder who has been a long-time winner at Chicago Feeder Cattle Show, American Royal, and National Western at Denver. Some 20,000 acres make up this ranch where Hereford cattle are tops.

Sagebrush a Big Problem

A sagebrush clearing demonstration was put on by 12 companies co-operating in supplying the most modern brush-clearing equipment. A whirlwind type machine seemed to do most thoro job. Men out there say removing brush and reseeding has aided in increasing grazing capacity as much as 500 per cent. It seems after sagebrush is cut off the new plants will not grow back for about 3 years. In that time native and seeded grasses have a good chance to crowd out the sage plants almost entirely. There are about 6 million acres of sagebrush land in Western Colorado, so you can see it is an important clearing problem.

Water Over the Mountains

Bureau of Reclamation men took over the tour and showed us the Colorado Big-Thompson irrigation and power project. This carries water from the western side of the Rocky mountains over to the eastern side for irrigation, generating electric power on the way. The power plant in Estes Park is one unit in the project which includes 10 reservoirs, 15 dams, 7 dikes, 24 tunnels, 11 canals, 3 closed conduits, 21 siphons, 3 pumping plants, 6 power plants, cost an estimated \$157,000,000. It is hoped to pay for itself in irrigation water, electric power and indirect benefits.

Try Apple Sherbet

The editors visited Colorado A & M College at Fort Collins. For supper, ladies, we had apple sherbet, a new by-product of Colorado's apple industry. Made out of uncooked apples, doesn't turn dark, holds the delicious apple flavor, a real treat to eat. If you are interested maybe Gestur Johnson, assistant chemist, Colorado A & M Experiment Station, Fort Collins, will tell you how it's made.

Water "Used 3 Times"

Irrigation around Fort Collins was shown in detail. One share in an irrigation company allows you a certain amount of water on a specified acreage. On a sloping field at the Roy Portner farm, water is "used 3 times." That is, a ditch carries it along the top end of the field. Siphons run it over the ditch side onto the field. Water that doesn't soak into the soil runs into a lower ditch, from which it siphoned onto a lower field. This is repeated 3 times.

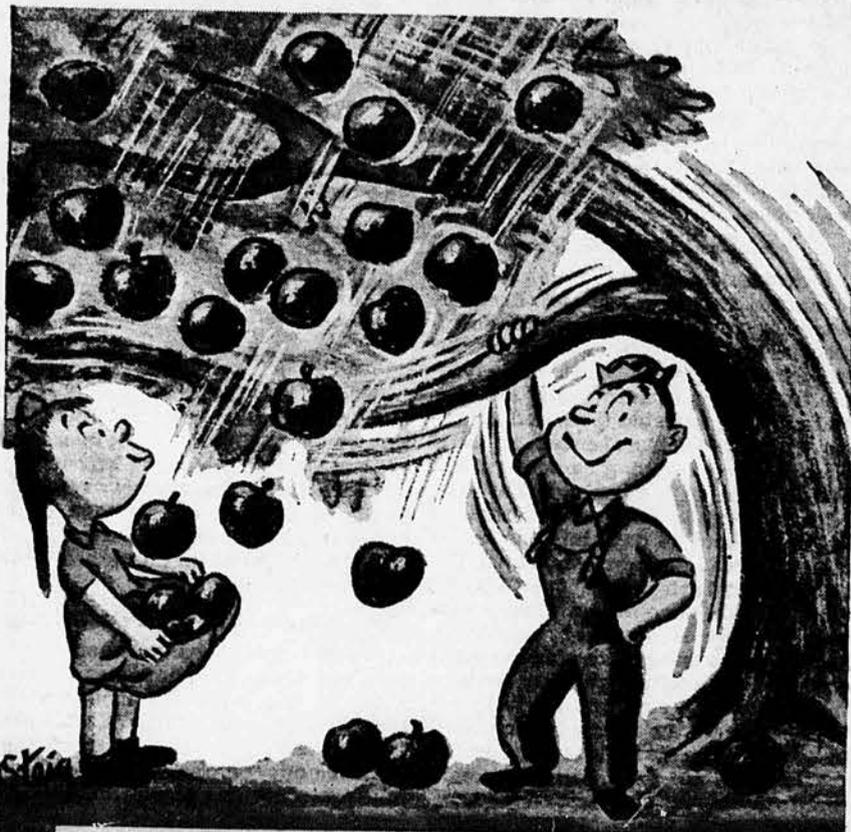
Beef by the Ton

Our editors' tour ended at the Monfort feet lots, near Greeley. Some 40 acres, and among the largest in the west. Here are fed out as many as 15,000 cattle at one time. Monforts produce enough beef every year to feed more than 254,000 people for a year. To feed out so many cattle they get them from a wide area, including the Flint Hills in Kansas, we were told. This huge operation is handled with tractors, special feed wagons, 20 hired hands, a full-time veterinarian, 2 large elevators (one in Nebraska) and plenty of courage.

HONORED AT 4-H ROUNDUP



LOOKING ON as Washington trip winners receive recognition at 4-H Club Roundup are, back row, right, Louis Bromfield, banquet speaker; back row left, Guy Forzy, Vialar, Algeria, who on his own came to this country to visit Mr. Bromfield; center back row, J. Harold Johnson, who received membership pin in Master 4-H Club and was honored for 25 years in Club work. Mr. Johnson was Kansas' first 4-H Club agent; Washington trip winners, front row, left to right, Harold Couchman, Garfield; Erna Christiansen, Columbus; Agnes Smith, Salina; Sam Miller, Milford. Mr. Bromfield, world-famous author and farmer, commented on good fortune of 4-H'ers coming to maturity at this time when competition is forcing poor farmers out of business and improving conditions for good farmers. Our land is infinitely better off in hands of folks like you, he said.



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**New Dairy Commissioner's Job
Important to Whole State**

By DICK NICHOLS



ROY FREELAND, secretary of Kansas State Board of Agriculture, and Rolla Holland, new state dairy commissioner, discuss inspection facilities for the state's 83½-million-dollar dairy industry.

WHEN ROLLA B. HOLLAND steps into duties as state dairy commissioner August 1, at Topeka, he will become part of a dairy industry that has experienced tremendous progress during the last 50 years.

In 1908, the state dairy commissioner's office, in an official report, deplored lack of supervision in production and handling milk and dairy products. At that time, only 4 cities in the state—Hutchinson, Wichita, Parsons, and Coffeyville—had milk regulations.

It was nearly 20 years until a satisfactory state-wide program was established. Since then, the state and cities have put into operation a system of supervision designed to insure that none but highest quality milk products reach the consumer.

Has a Big Job

Holland comes to the office at a time when supervision of milk and all of its products is included in the work of the dairy commissioner and his deputies. During the last year, this amounted to checking products in some 1,500 dairy establishments.

Primary responsibility of the state dairy commissioner is the inspection of

all creameries, public dairies, condenseries, butter, cheese, and ice cream factories, or any other places where dairy products are handled within the state. He also is charged with prohibiting sale of unclean and unwholesome products. Holland's duties in checking Kansas dairy products will be aided by a new, modern dairy laboratory, now in the planning stage, which will be equipped to make all types of tests to determine quality and sanitation of dairy products.

Proud of Dairy Industry

All won't be headaches for Holland, however, for now is also a time when Kansas is prouder than ever of her dairy industry and efforts for sanitation and cleanliness. Milk production per cow has been steadily climbing upward. Gross farm income from all Kansas dairy products, while not reaching the high of 1947, was higher last year than in both 1949 and 1950. Ice cream and ice milk products also have hit their highest levels since 1947. Kansas, an important butter state for more than 75 years, also annually produces around 50 million pounds of creamery

(Continued on Page 9)

GRANDMA By Charles Kuhn



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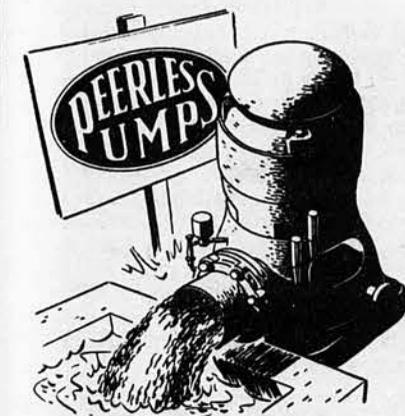
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butter. This would be enough to butter 215 million loaves of bread.

Holland, 36 years old, and until recently county agricultural agent in Lyon county, has had practical experience in farming and dairying tracing clear back to the operation of his own farm in Chautauqua county. He also has been county agricultural agent in both Lyon and Chautauqua counties. He worked in administrative positions for Carnation Milk Farms, Seattle, Wash., and ElDora Farm Dairy, Lima,

Ohio. For Carnation Farms, at one time he supervised shipment and delivery of the first purebred Holstein-Friesian herd ever delivered for South Africa.

A husky man, Holland mixed football with study at Kansas State College, and did an outstanding job in each. He was an all-Big Six selection at guard for 2 years in football.

He is married, and he and his wife, Mary Faye, have 2 children: Rolla, 9, and Gena, 7. They will live in Topeka.

Grass Day at Rogler Ranch Turned Up Helpful Pointers

By PRESTON HALE

GRASS SEED production, observation of new strains of grasses and discussions on grass management were featured at a grass management field day held recently at the Wayne Rogler Ranch, in Chase county. The meeting, attended by about 400 persons, was sponsored by the Kansas-Oklahoma section of the American Society of Range Management.

Guests were conducted over 250 acres of grass seed fields by Ed Robbins, in charge of seed work on the Rogler ranch. Most seed there is grown in rows and cultivated. It takes less seed, Mr. Robbins explains, and seed production is much higher. Then, the row method permits roguing for seed purity.

Lots of nitrogen is used to increase production. Visitors were shown brome fields where seed production was estimated at 150 to 500 pounds an acre. The 500-pound per acre seed prospect was on a new strain of brome grass selected by Kling Anderson, of Kansas State College.

Nitrogen Is Needed

Need for nitrogen was shown in one brome grass plot where one side of drill failed to work. Where grass got no nitrogen yield was estimated at 25 pounds of seed an acre. Six inches away the same grass, with nitrogen supplied, would make 300 pounds of seed an acre.

Other grasses being produced at the Rogler ranch include tall, crested and intermediate wheatgrass, with the latter being most popular. Most ranchers present were interested in the Kaw Big Bluestem, a Kling Anderson selection, and the Blackwell Switchgrass. Both are strong, vigorous growers of highly-palatable grass.

Introduced grasses used for seed increase include Caucasian and Turkestan bluestems. These bluestems are very fine and leafy and are likely to become popular with livestock men.

During the afternoon visitors toured 2,000 acres of native bluestem pastures in the Matfield Green area. Pasture management practices stressed by Mr. Rogler included the value of several watering places to avoid overgrazing

and proper placing of salt for the same reason.

A DDT fly rub was displayed and those using these rubs say they provide a good way to control flies. With a rub, control is a continuous process. Gunny sacks filled with DDT powder are wrapped around barbed wire stretched loosely from a tall post to lower stakes. Cattle rub against the wrapped wire and dust themselves with the DDT powder. Rain is no problem as cattle rubbing will break up the powder as soon as it becomes dry. Some ranchers said they used one-half pound of 50 per cent DDT powder to each sack while others used a full pound.

Burning Reduces Yield

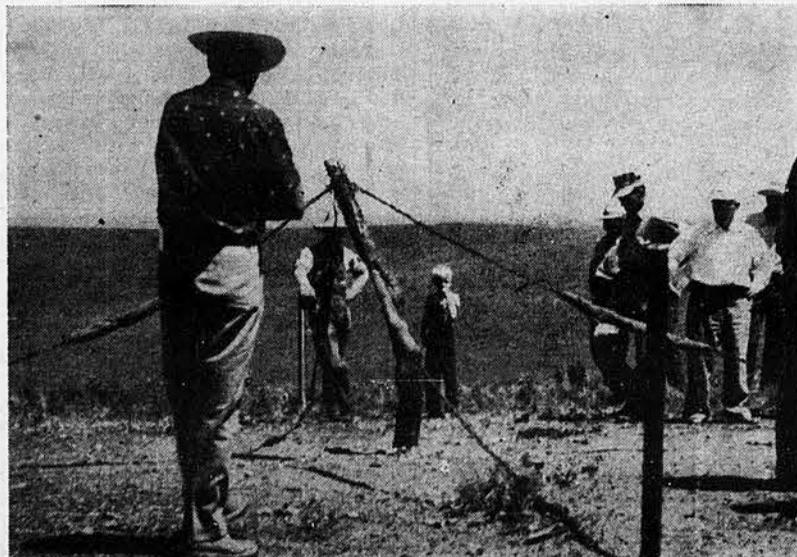
Many ranchers felt that burning reduced total amount of pasture produced but made fatter cattle. They admitted that if they did burn it was necessary to use more acres of grass per head of stock. It also was brought out in discussions that if cattle were turned out April 15 it took more acres per animal than if they were held off until later.

There is a movement toward winter grazing, or year-around grazing, where high protein feeds are fed on grass during winter with dry grass being utilized by cattle as fill. It was emphasized that winter and year-around grazing, however, required a great deal of caution and more acres per head.

It was stressed that pastures benefit greatly from the rest they get in a deferred grazing system such as used by Kling Anderson on the Casement ranch, near Manhattan. Brome grass will respond to short pasture rotation systems such as used in eastern states. Bluestem and other native pasture grasses will not.

For pasture spraying it's still 2,4-D for weeds and brush and a mixture of 2,4-D and 2,4,5-T for harder-to-kill plants and trees. Most ranchers agreed that strong, vigorous pastures well populated with native legumes should not be sprayed with anything.

Lee Collingwood, Chase county soil conservation service, said response was so slight it does not pay to fertilize native pasture.



SOME FLINT HILLS cattlemen are using homemade "rubs" like this to control flies. Gunny sacks filled with one-half to one pound of 50 per cent DDT powder are wrapped around barbed wire strung in Maypole style. Cattle do own treating by rubbing against sacks.

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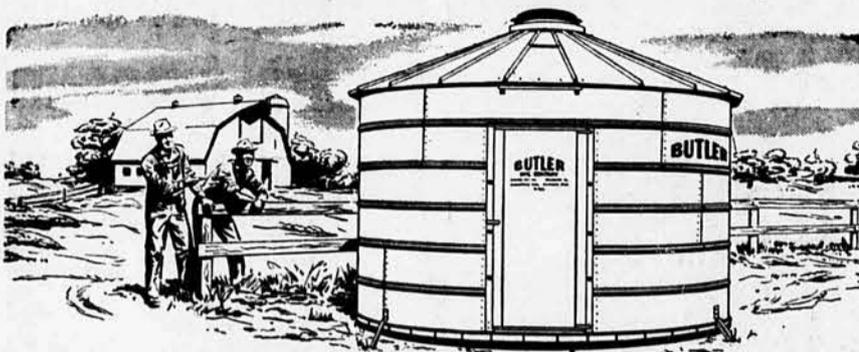
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Average Cash Prices for No. 2 Dark and Hard Wheat, Kansas City Grain Market (Source: "Grain Market Review")

Years	June 15	Sept. 15	Nov. 15	Jan. 15
1942-43	1.15%	1.22	1.25%	1.38%
1943-44	1.38%	1.48%	1.56%	1.66
1944-45	1.60%	1.59	1.65	1.67
1945-46	1.75%	1.70	1.73%	1.75%
1946-47	1.94	2.02	2.16%	2.14%
1947-48	2.29%	2.94	3.17	3.28%
1948-49	2.30%	2.23%	2.31	2.26%
1949-50	2.16%	2.25	2.25%	2.24
1950-51	2.17%	2.26%	2.27%	2.38%
1951-52	2.41	2.46	2.60%	2.54%

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Dwight Hull SAYS...

We Had a Big Day in New York Then Fully Enjoyed Connecticut Dairy Farms

FROM THE TIME we first became interested in dairying we heard and read many glowing accounts of accomplishments of dairymen in New England states. So as Mr. and Mrs. W. H. Hardy, from Arkansas City, and I, planned our Eastern trip a visit to a few dairy farms in that part of the country was a "must." However, for Kansas dairymen who had never been East before, there were so many places and things of interest to see and do, picking and choosing what we should see and what we should leave out became quite a problem.

Our trip from Baltimore and Beltsville, Md., to the New England states took us thru New York City, and some of the sights of the Big City gave us an unforgettable thrill. For a Kansas country boy to be able to drive in the traffic of New York City, we had grave misgivings. "Just flow into the traffic and you will make it all right," was the reassuring, helpful advice of Bill (Hardy) as we approached the towering buildings and the ever-increasing roar of traffic.

And so it proved. We were literally swallowed up in the flow of traffic. We flowed right on past our turn to go

the leading importers of dairy cattle. G. A. Bowling is manager and Alex Meek, assistant herdsman. Alex is known by many Kansas dairymen, since he was assistant herdsman at Kansas State while finishing his dairy course there. We had a short visit with Alex. He wanted to be remembered to his friends back in Kansas.

\$3,000 An Acre!

Strathglass is something like 40 or 50 miles from New York City, but is so surrounded with country homes, owned by New Yorkers who commute, you hardly realize you are out of the city. This nearly 600-acre dairy farm could be sold for \$3,000 an acre, according to Mr. Bowling. Too valuable to maintain a dairy herd from a practical standpoint. However, we for one are happy there are some men of wealth who not only maintain dairy herds as a hobby, but who make very wonderful contributions to the breeds of their choice. In their sincere effort they increase the inherent breeding ability of their breed by careful mating of the best animals obtainable.

Naturally this is a show place. Buildings are kept scrupulously clean. Front yards to the barn look as beautiful as most any city front yard. But despite all this show, we were given as warm a welcome as we would expect to get on any Kansas farm, and were shown the entire herd, with breeding and other particulars such as production records on a great many individuals.

Most farms we visited in our 2 days here were of the same general type as Strathglass. Dairymen who make a living with the dairy cow are farther away from the big cities where land is cheaper.

Labor Cost Is Higher

A summary of our impression of dairying in the East, would be about as follows: They do not have any better markets than we have and some cases not as good. Their labor cost is greater because of the long time necessary to house their cattle. Their grass program in some instances is ahead of ours, in that they apparently are getting a greater return per acre of grass. They develop their heifers by ages, that is heifers of about the same age are kept separate until they are ready to go into the milking herd. Artificial breeding is quite a common practice. Many of these large herds breed cows artificially using the semen from their own bulls. Advantages of this practice are: it is possible to breed as many animals as they choose the same day by one bull; they also believe it is possible to keep a bull breeding longer and with less risk than when used naturally; they also believe they get a better check on any breeding trouble that might develop in the cows. All in all we came away feeling pretty well satisfied with the opportunity in Kansas for dairymen.

Next issue of Kansas Farmer we want to tell you about 2 days spent in visiting Tennessee farmers.

New Ideas!

Here's a booklet that brings you up-to-date on latest electrical equipment for your milkhouse, "Electricity in the Milkhouse." It's published by Westinghouse Electric Corp., Pittsburgh, Pa. Advantages from using electrical equipment correctly are told in detail. For a copy, write Farm Service Editor, Kansas Farmer, Topeka. No charge.

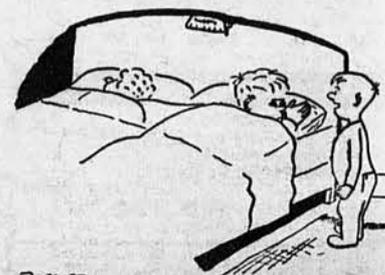
thru the Holland tunnel, but before we knew it were entering Lincoln tunnel. Both tunnels take you down under the Hudson river to the other side and to the skyscrapers.

Here very briefly was our thrill upon thrill in one day. On top RCA building (70 stories) a clear day, all New York in panorama; a visit to New York's famous outdoor ice-skating arena; a glimpse of St. Patrick's Cathedral; a taxi ride thru the Bronx and to Yankee stadium for our first major league ball game; a subway ride to the southern end of Manhattan Island, and a ferry trip right past the Statue of Liberty to Staten Island. Big barges and big ships were easily observed. Biggest thrill for a nickel we had ever had. A glimpse of the Queen Elizabeth, how could we have been so fortunate? The day was completed with tramping around the vicinity of "Times Square," milling with the throngs and seeing famous buildings and places such as Madison Square garden, and becoming awe inspired at the tremendous electrical displays.

Almost Unbelievable Cows

Next day found us in Connecticut visiting dairy farms where herds have been established for many years, and are no doubt some of the Nation's finest. To see 10 cows in one herd that all had produced 100,000 pounds of milk or more in their lifetime, and 9 of these cows classified excellent and one very good, is a sight any dairymen would revel in. So Strathglass farm was our first stop where they have this almost unbelievable group of cows.

This farm has been breeding dairy cattle more than 40 years and is one of



BURDET

"Is it tomorrow yet?"

No. 8 in special series telling how scientists at Kansas State College improve your crops

New Sudan, K-3, Selected at K-State, May Be Better Than Any Present Variety

SUDAN GRASS studies at Kansas State College have resulted in a selection that promises to be much better than any present variety. The new Sudan, K-3, is a selection made at K-State out of a cross with Leoti sorghum made by J. R. Quinby of the Texas agricultural experiment station in 1940.

R. C. Pickett, Kansas State agronomist, points out that the problem faced with Sudans is to get a variety which produces more vegetation and which stays greener longer. In addition, the variety needs disease resistance and low prussic acid content.

Some of the most vigorous commercial varieties, such as Sweet Sudan, Wheeler, and Piper, lack necessary leaf disease resistance. Pickett adds that in selection work, there is difficulty getting this leaf disease resistance combined with low prussic acid content. The sources of disease resistance are quite high in acid.

Is Being Increased in 1952

K-3 was approved for certification last spring by K-State research workers. It is being increased this year at Manhattan and in California. There has been no seed for any purpose this year except for increase and limited observation and testing.

With good luck, Pickett said, there may be many seed-increase plots in 1953. The new variety is late maturing and far more disease resistant than any of the present commercial varieties. In disease resistance this includes the new Piper and Tift varieties. The Kansas selection is as low in prussic acid content as Piper and lower than Tift.

Pickett says greenhouse studies now

are being made at Kansas State with ordinary Sudan that crosses readily with all common sorghum varieties. Many genes are present in various improved sorghum varieties that need to be incorporated into Sudan lines, among them disease and chinch bug resistance. In addition to the sorghum crosses, work is being done with Sudan selections to recombine the desired characteristics.

Research workers at the college also are working on treated sorghums which cross readily with Johnson grass and other lesser-known sorghum species. It is hoped a variety can be developed soon that will be still strictly an annual but one that will bring in new vigor and disease resistance. This variety would cross less readily with sorghum varieties, thereby aiding seed production.

Testing 14 Sudan Varieties

Testing of 14 commercial Sudan varieties is being made for the first time in Kansas this year. This work is being done at the experiment stations in Manhattan, Hays, Colby, Garden City, Tribune and Mound Valley.

Sudan is the principal supplemental warm weather pasture crop throughout the United States, the K-State agronomist says. Millets are the only close crop and they grow in the southeastern states.

In Kansas, Sudan can be planted from mid-May to mid-June for August pasture when native and tame pastures normally are low in productivity or are dormant. Wheeler is the only certified variety of Sudan in Kansas other than K-3. However, Sweet Sudan is grown more extensively here but it is extremely susceptible to disease.

"When I Buy a Bull"

(Continued from Page 6)

Kenneth Stull, DHIA tester in Reno county, says Mr. Miller is one of the best feeders in the association. Cows giving 40 to 50 pounds of milk a day get 15 pounds of grain. When down to 25 or 30 pounds, grain is cut to 12 pounds. At the tail end of the lactation period grain is cut to 8 pounds daily. Dry cows are kept in with the milking herd. "I run them thru the milking barn night and morning and feed them 5 pounds of grain daily," says Mr. Miller. "This gets more flesh on them and builds up a reserve ready for the next lactation. Each cow gets a 60-day rest during her dry period."

During winter, in addition to grain, cows in the milking herd get 20 pounds ensilage and 10 pounds of hay daily. When cows are on pasture the hay is cut to 4 or 5 pounds daily.

Altho milking is done in a converted horse barn that looks difficult to keep clean, the Miller barn is spotless and

bacteria count is almost unbelievable. We examined the company's records on bacteria count over 8 months. Highest count was 17,000 and many months ran below 3,000. "Main thing about the barn is to keep it clean every day so it won't get ahead of you," he says.

But a clean barn isn't the only answer to low bacteria count. Mr. Miller is careful to wash udders, keeps cows bedded down in winter, and does some clipping. One of the most important points is that milk is cooled down to 40 degrees within 15 minutes after milking. This is done by putting milk cans in an ice-water bath cooler and using an electric stirrer while milk cools.

The herd has always been Bang's and Tb. free. Mr. Miller practices calfood vaccination for Bang's. Very little mastitis is encountered. "Keeping cows healthy plays a large part in producing clean milk," says Mr. Miller.



DAIRY CALVES on the Miller farm are progressed to new lots about every 3 months during development. Note portable shelter built at cost of about \$100.

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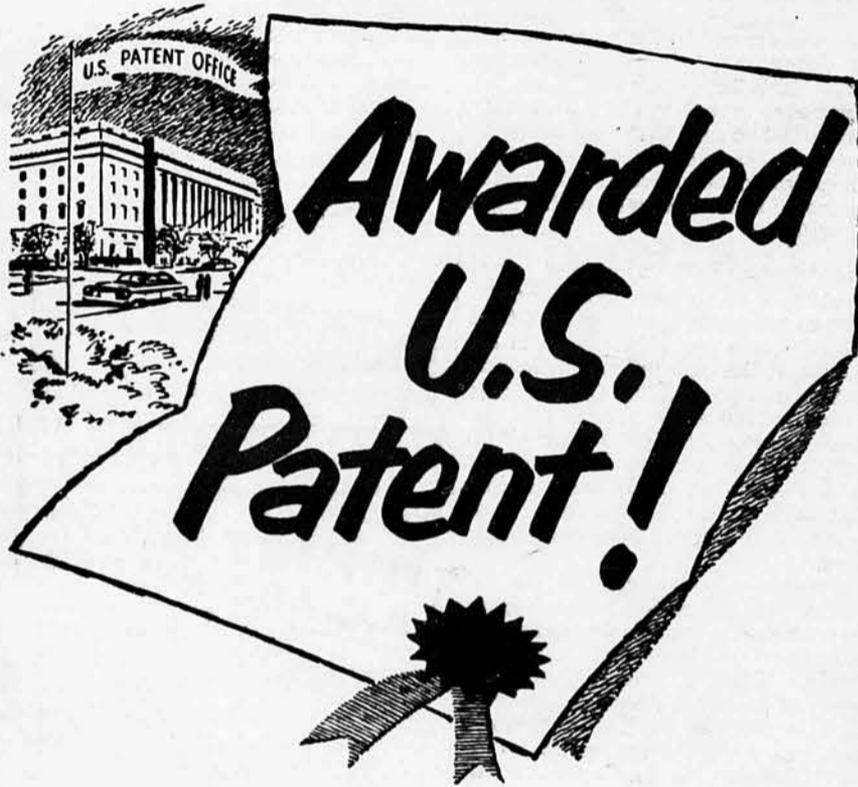
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ANY CAPACITY 300 TO 2500 GALLONS PER MINUTE, AND ANY LIFT FROM 10 TO 300 FEET

MANUFACTURED BY **Western Land Roller Co.** HASTINGS, NEBRASKA

If Something Needs to Be Done

(Continued from Page 1)



THIS ATTRACTIVE entrance to Neosho Memorial Hospital is made more attractive thru landscaping. About \$29,000 was saved when farm women took over the landscaping job.

more than 1,500 patients. Why was it built? We'll tell you.

Back in 1947 the Tioga Home Demonstration Unit had a meeting on citizenship and the women got to wondering what they could do to help their community. A study of community needs brought the answer—a new hospital was the No. 1 need. They got busy on it and soon were backed up by 9 other home demonstration units.

Of course, a lot of town people helped. Also, many men were involved before the thing was completed. But it was the vision and drive of one group of farm women that made the hospital possible.

Now Mrs. Gordon Barker, member of Tioga unit, is president of the hospital auxiliary, which has 300 members in 20 different guilds, all busy doing things for either the hospital or its patients.

What the Records Show

But let's be specific. "Records show," says Mrs. Barker, "that 13 Home Demonstration Units have given about \$1,600 to the new county hospital. Two of these units are in Wilson county. Here are the 13 units and their contributions:

Sunflower Unit—One member spends 2 hours each week doing service at hospital. Gave \$315 in fund drive, 20 tea towels, drapes for nursery, \$2.50 for washcloths, cookies for teas and open house, finances for Babies Alumni, active in different guilds. Built and gave chart for maternity ward, to be used for scrapbook showing all babies born at hospital.

Victory Unit—Husbands of members assisted in landscaping hospital grounds. Members gave \$75 to building fund, vegetables from home gardens, 2 dozen washcloths, 2 bedspreads, meat slicer for kitchen, cookies and cakes for open house. Each member gives penny a day to hospital fund.

Harmony Unit—Active in guilds, gave canned goods, cookies and cakes

for open house and teas, books and magazines for library, 17 tea towels and quantity of washcloths.

Rainbow Unit—Members active in guilds. Gave \$50 cash, 14 tea towels, 12 washcloths, cookies and cakes for open house.

Leamona Unit—Contributed \$83.66 to building fund. Gave jellies, cookies and cakes, an electric toaster for diet kitchen, an electric mixer, juice glasses, tea towels and sauce dishes.

Earlton Unit—\$50 to building fund, and tea towels.

Neosho Valley Unit—Gave \$50 cash and tea towels. Neosho Valley Busy Bees 4-H Club, sponsored by unit, gave \$10.

Goldenrod Unit—Gave tea towels. **Sunny Homemakers**—Gave tea towels.

Busy Bee Unit (Wilson county)—\$25, guild services, tea towels, cookies and cakes.

Vilas Homebuilders Unit (Wilson county)—\$25, tea towels, cookies and cakes.

Peace & Progress Unit—\$75, 3 dozen tea towels, cakes and cookies, guild services, 19 glasses of jelly, 'sauce dishes, hemmed 60 towels, mended 73 pieces and gave 3 dozen juice glasses.

Tioga Unit—Gave \$750 cash. Responsible for landscaping of grounds, saving hospital about \$29,000 in landscaping fees. Supplied topsoil dirt for grounds, 80 rose bushes, built rock retaining wall to save large tree on ground, supplied grass seed, fertilizer, and \$56 for 6 trees replaced last spring. Gave cookies and cakes, garden vegetables, tea towels. Members active in guilds.

Grant Unit—Donated tea towels. **Far and Near Unit**—Canned food for hospital and gave tea towels.

Some Neosho county units have worked in the field of health, but not particularly on the county hospital project. Elk Creek Farmerettes have

(Continued on Page 13)



OLD AND NEW Galesburg schools are shown here. Note how shrubs and trees dress up front of new school, thanks to farm women.

donated \$25 to a fund to get a doctor Thayer. Grant Unit has been collecting sickroom equipment and supplies which will be available to lend to families free of charge when illness strikes. Goldenrod Unit helps keep the payer rest room clean. Walnut Farmerettes helped the mobile X-ray unit and donated a dime a member to a fund for entertainment at veterans' hospitals.

Victory Unit planted shrubs at Wede Center and Neosho Valley schools. They cleaned up the Neosho Valley school after the 1951 flood and spent \$61 on beautifying the grounds.

Landscaped School Grounds

Galesburg Unit has been landscaping the town's new high school. Members raised \$50 for shrubbery and saw that was set out at the school. The Galesburg Unit also has taken over the town's library and members will donate their time as librarians. They have repaired and moved all books to the corner of the new city building and have the library ready for operation. A Center Unit donated basketball goals for school gymnasium and shelving for school library.

W. W. W. Unit plans to landscape Bethel Church, which is a community center. They also raised money to get markers for Bethel road and cemetery.

Morehead, Sunny Homemakers and Happy Homemakers are sponsoring community nights and meetings in their communities. Walnut Farmerettes raised enough money to buy a backstop for the school playground.

Earlton Unit is trying to get an abandoned school building to make a community center, and also is working with another group to form a youth center in Earlton. Erie Unit raised \$20 to spend on play equipment for small children at Erie park.

F. F. F. Unit contributed \$5 to repair fund for community building at South Mound. Five Units around St. Paul are working to establish a library at St. Paul. They have set a quota of \$5 per unit member and have a board of directors elected. On this project North Mission Homemakers have raised \$50, St. Paul Unit \$100, Rural Workers \$50.

In addition to working individually on various drives, Neosho county units last year contributed \$37 to Red Cross, \$47 to Cancer Control, \$30.25 to Polio and \$25 to Flood Relief.

Aided Hot Lunch Program

Morehead Unit raised \$20 to pay for new plates for their hot lunch program, as well as each member canning fruits and vegetables for it. Three units near Thayer helped get Thayer schools started toward a hot lunch program. Elk Creek Farmerettes raised \$38.87 to buy large aluminum cooking utensils. Happy Homemakers are collecting 10 cents a member a meeting, as well as each member pledging to donate canned food. Goldenrod Unit has raised \$10 but feels that is not enough, so plans to raise more.

The Earlton Unit led a drive to put a fence around the Earlton school-grounds, which has been done.

Chetopa Homemakers joined a book club and are passing these books around thru their community to encourage more reading.

One unit gave a shower for a family burned out, and more than 100 persons attended. Odense Unit adopted a needy family in their community and provided food and clothing. Chetopa Homemakers were responsible for getting name plates for all mailboxes in their community.

OK, fellows, are you convinced?

Feed Silage

"Making, Feeding Hay-crop Silage" is a Kansas Agricultural Experiment Station circular that will help you raise better livestock for more profits. For a copy, address the Farm Service Editor, Kansas Farmer, Topeka. Ask for Circular No. C-282. No charge.

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No tugging, no tinkering—you stay right in the tractor seat. Self-closing claws of Eagle Hitch take hold of implement—you slip in one pin and GO. Simple and quick—takes only a minute or so to pick up most rear-mounted implements.

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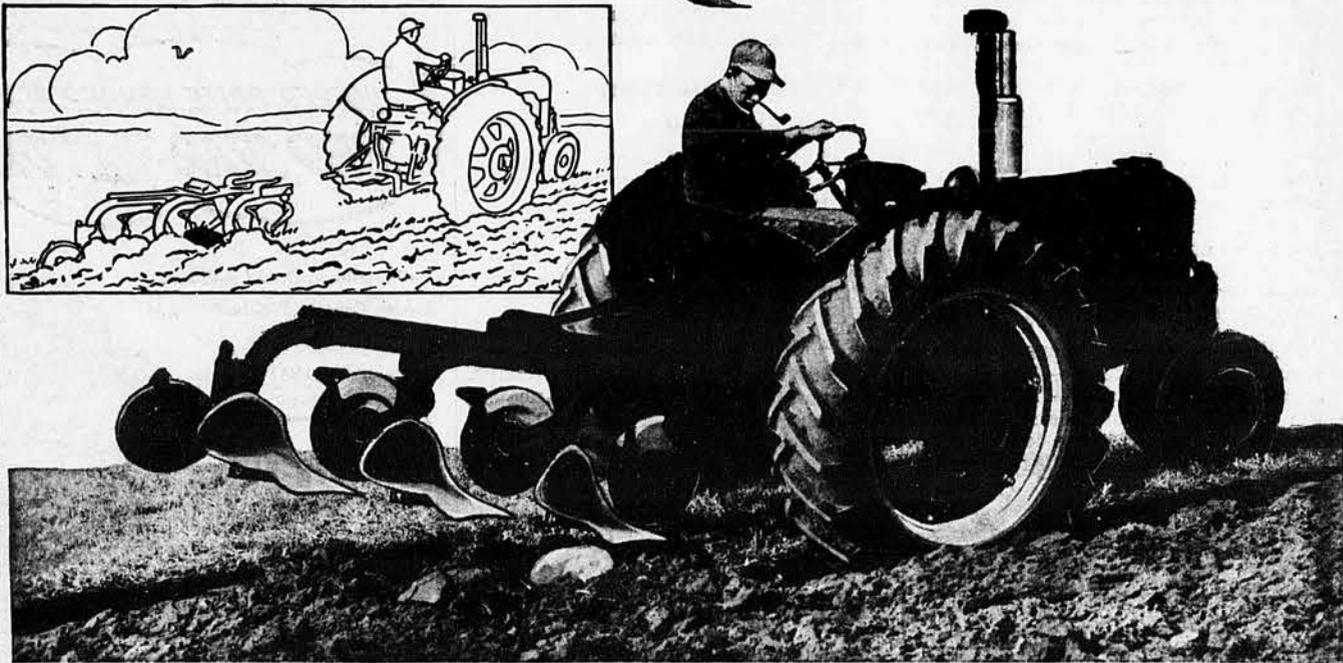
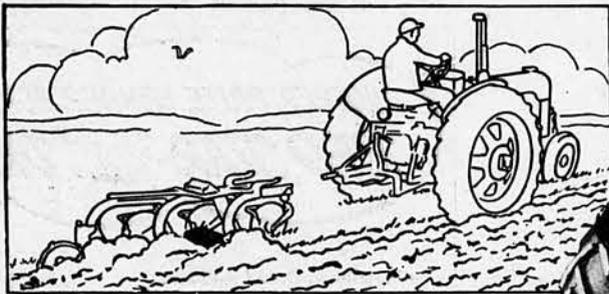
New PTO clutch on big 2-plow "SC" and 3-plow "DC" Case Tractors works from live-power shaft—independent of traction clutch and gears. Keeps PTO machines going steadily—whether starting, stopping, standing or moving.

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Pump runs whenever engine is running. Always ready to lift fast, lower gently, or adjust implements. Built-in cylinder for Eagle Hitch Implements, cultivators and other front-mounted implements—portable cylinder for trailing machines.

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Break-Away Contour Plow

When it hits a hidden stump or stone, this new mounted plow "lets go" as in small drawing, avoids damage to shares and beams. It recouples by backing tractor, lifts at a touch of hydraulic control to go over obstacle, as in main picture. It has Pivotal Action, too—cuts full width furrows on curving contours as well as straight ahead, avoids side draft on tractor. Floating action gives steady control of depth as set by handy turnbuckle.

There's a great choice of implements for Eagle Hitch Farming—lift-type harrows, roller-packers, planters, tillers and tool-bar cultivators, mower, and the Utility Carrier for handy hauling. Mark coupon for big Eagle Hitch Implement book—mail today.



Get a personal demonstration by your Case dealer. See how much easier, faster and better your work is done with a Case Eagle Hitch Tractor and Implements. You'll never know how easy your work can be until you try Eagle Hitch Farming by personal demonstration.

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NOTES FROM THE
BEEET SUGAR KITCHEN
by Nancy Haven



Make the most of a good plum—team it up with raspberries for jelly... use the pulp for a spicy butter.

Red Plum Raspberry Jelly

- EXTRACT JUICE**
- 4 lbs. (40 medium) red unpitted plums
 - 3 cups raspberries
 - 1 cup water



Cook covered, each washed fruit in 1/2 cup water; plums 12 minutes, raspberries 5 minutes. Extract each juice separately; let drip from dampened jelly bag into bowl. Measure 3 3/4 cups plum juice (save pulp for Butter), 1 1/4 cups raspberry juice.

For Jelly

Combine juices in preserving kettle. Stir in 9 cups Beet Sugar. Bring to boil on high heat; boil 1 minute. Remove from heat; stir in well 1/2 cup liquid fruit pectin. Skim. Pour into hot, sterilized jelly glasses; paraffin at once. Makes about 9 (8-ounce) glasses.

For Butter

Press pulp through colander. In preserving kettle stir into each 4 cups pulp, 2 cups Beet Sugar, 1/2 tsp. ground cinnamon, 1/4 tsp. each salt, ground mace. Bring to boil. Turn down heat, cook till thick, about 3 min., (or until two thick, heavy drops run together off clean metal spoon) stirring often. Remove from heat; pour into hot, sterilized jars; seal at once. Makes about 4 half pints.

Free Recipe Booklet

"Well Preserved"—32 pages of grand recipes (freezing, too)—and helpful tips. Also still available—"Answers for the Canning Doctor." Send for your free booklets now. Write to—

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WESTERN BEET SUGAR PRODUCERS, INC.
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THE RECIPE CORNER



A SIMPLE buffet supper for family and friends is an easy way to handle summer meals. Make a jellied Waldorf salad, slice cold meat of any kind and make sandwiches. With a cold drink you will have a complete meal.

Jellied Waldorf Salad

- 1 envelope unflavored gelatin
- 1/2 cup cold water
- 1 cup hot water
- 1/2 cup sugar
- 1/2 teaspoon salt
- 1/4 cup mild vinegar or lemon juice
- 1/2 cup diced celery
- 2 cups diced unpeeled tart apples
- 1/4 cup chopped nuts

Soften gelatin in cold water. Dissolve in hot water. Stir in sugar, salt and vinegar or lemon juice. Chill in refrigerator until consistency of unbeaten egg white. Fold in celery, apples and nuts. Turn into individual molds and chill until firm. Unmold on salad greens and serve with your favorite dressing. Garnish with small unpeeled apple slice. Makes 6 servings.

Apple Cake

- 2 apples, grated
- 1/2 cup shortening
- 1 cup sugar
- 1 cup raisins
- 1 teaspoon cinnamon
- 1/2 teaspoon salt
- 1 cup leftover coffee
- 2 cups sifted flour
- 1 teaspoon soda
- 1/2 cup nuts, if desired

Put apples, shortening, sugar, raisins, cinnamon, salt and coffee in saucepan and bring to a boil. Cool until lukewarm. In sifter, sift flour again with soda. Add to mixture and combine thoroughly. Add broken nut meats if desired. Bake in loaf pan (350°) for about 40 minutes. Makes about 12 slices.

NEWS TO YOU?

Not all cases of ivy poisoning come from touching the plant. The poison may linger on the fur of dogs or cats or on clothing or tools. Some folks get poison ivy from the dry vines in winter. Most effective way of preventing the poison rash is to wash in several changes of strong soap and water.

Fried tomatoes are a tasty addition to early fall meals. Use green and half-ripe tomatoes. Slice 6 medium-size tomatoes about 1/2-inch thick. Dip them into a beaten egg and then into a mixture made of 1/4 cup fine, dry bread crumbs or flour, 1/2 teaspoon salt and a little pepper. Fry in a small amount of fat until brown on both sides.

One factor responsible for the United States ranking so high in tooth decay is our sweet tooth. Each person eats about 140 pounds of sugar each year.

From Holland comes this dish, sure to please the man of the house. Scrub medium-sized potatoes, pare them or leave the skins on as you choose. With an apple corer, cut a tunnel thru the center, lengthwise. Thru this hole draw

a frankfurter. Place them in a drip pan, lay bacon or salt pork over the top, pepper slightly and bake in a very hot oven (450° F.) until the potatoes are tender, basting them occasionally with the drippings and a little hot water.

Take for granted that people like you. People will respond warmly if you give them a chance. On the other hand, if you act in a reserved, seclusive manner, folks will assume that you wish to be let alone. If you show that you enjoy your own company more than the company of others, they will let you have yourself to yourself.

Your best possible protection against rough, dry skin is a face cream made with high lanolin content. Lanolin is so like your own skin oil that it keeps the skin soft and pliable.

For the Bride-to-Be

These leaflets may offer suggestions for the hostess entertaining for the bride-to-be.

Announcing the Engagement. Describes several clever methods. Sewing Shower for the Bride-to-Be. Lunch table decorations, favors and quiz.

Bride-to-Be Tea Shower. Fortune telling, a pencil game, and interesting way to present gifts.

Write to Entertainment Editor, Kansas Farmer, Topeka, and enclose 3c for each leaflet desired.

For honey that has turned to sugar, set the jar in a saucepan of water about as hot as your hand can stand. Leave it until the honey has liquefied again. There is nothing to worry about for it is as good as new.

Moths like dirty clothes best. Clean every garment before storing. The small moths seen flying about are the parent moths and do not eat fabrics. Eggs hatch and larva immediately starts feeding and spinning a shelter of silken threads in which it conceals itself. Spray clothes and baseboards with a DDT solution.

Current and persistent rumors fly around that it is beneficial to freeze nylon hose before wearing. It's an "old potato" and there is nothing to it. It has no effect whatever on nylon one way or another.

When you're making a hem for Susie, the skirt will be more even if you, not Susie, do the turning. And don't pull down on her skirt as you pin in the hem.

Those in the know, the recreation specialists, say if you consider recreation as something you'll do if you have time when all the work is finished, then you're not likely to have very much family fun. Play is stimulating, relaxing and actually a health measure, as important as the right food and getting the crops harvested.

ANOTHER PRIZE WINNER FOR USERS OF RED STAR Special Active DRY YEAST

Senior winner, Grand National Baking Contest, Waldorf-Astoria, Mrs. A. R. Rodriguez, Franklinville, New York.

BUTTER-FLAKE ROLLS

BAKE at 375°F. for 12 to 15 minutes. **MAKES 3 dozen rolls.**

DISSOLVE 2 packages RED STAR Special Active Dry Yeast (or 2 cakes Red Star Compressed Yeast**) in 3/4 cup warm water (110° to 115°F.). Add 1 tablespoon sugar; stir until dissolved. BLEND IN 1 cup sifted Pillsbury's Best Enriched Flour*. Cover and let rise in warm place (85° to 90°F.) until light and bubbly, about 20 to 30 minutes. CREAM 1/2 cup butter; add gradually 1/4 cup sugar, 1 teaspoon salt, 6 egg yolks, creaming well. ADD risen yeast mixture; mix well. BEAT IN 3 cups sifted Pillsbury's Best Enriched Flour, one cup at a time. Knead on floured board about 30 strokes. PLACE IN greased bowl, cover and let rise until almost double in bulk, about 1 1/2 hours. DIVIDE dough in half. Roll each half of dough on lightly floured board to an 18x6-inch rectangle. Spread center third with soft butter. FOLD one side of dough to overlap center. Spread with additional butter. Fold opposite side to overlap. ROLL OUT to 18x6-inch rectangle again. Cut into 1-inch strips. Coil each strip on well-greased baking sheets to form a "snail". LET RISE in warm place until double in bulk, about 30 minutes. BAKE in moderate oven (375°F.) 12 to 15 minutes. *If you use Pillsbury's Best Enriched Self-Rising Flour, omit salt. **If compressed yeast is used, dissolve in 3/4 cup lukewarm water.

RED STAR IS THE FIRST 3-WAY IMPROVED DRY YEAST

QUICKER DISSOLVING... QUICKER RISING... KEEPS FRESH LONGER.

Ride 'em Cowboy!

Come!

VACATION IN THE **BLACK HILLS** of South Dakota

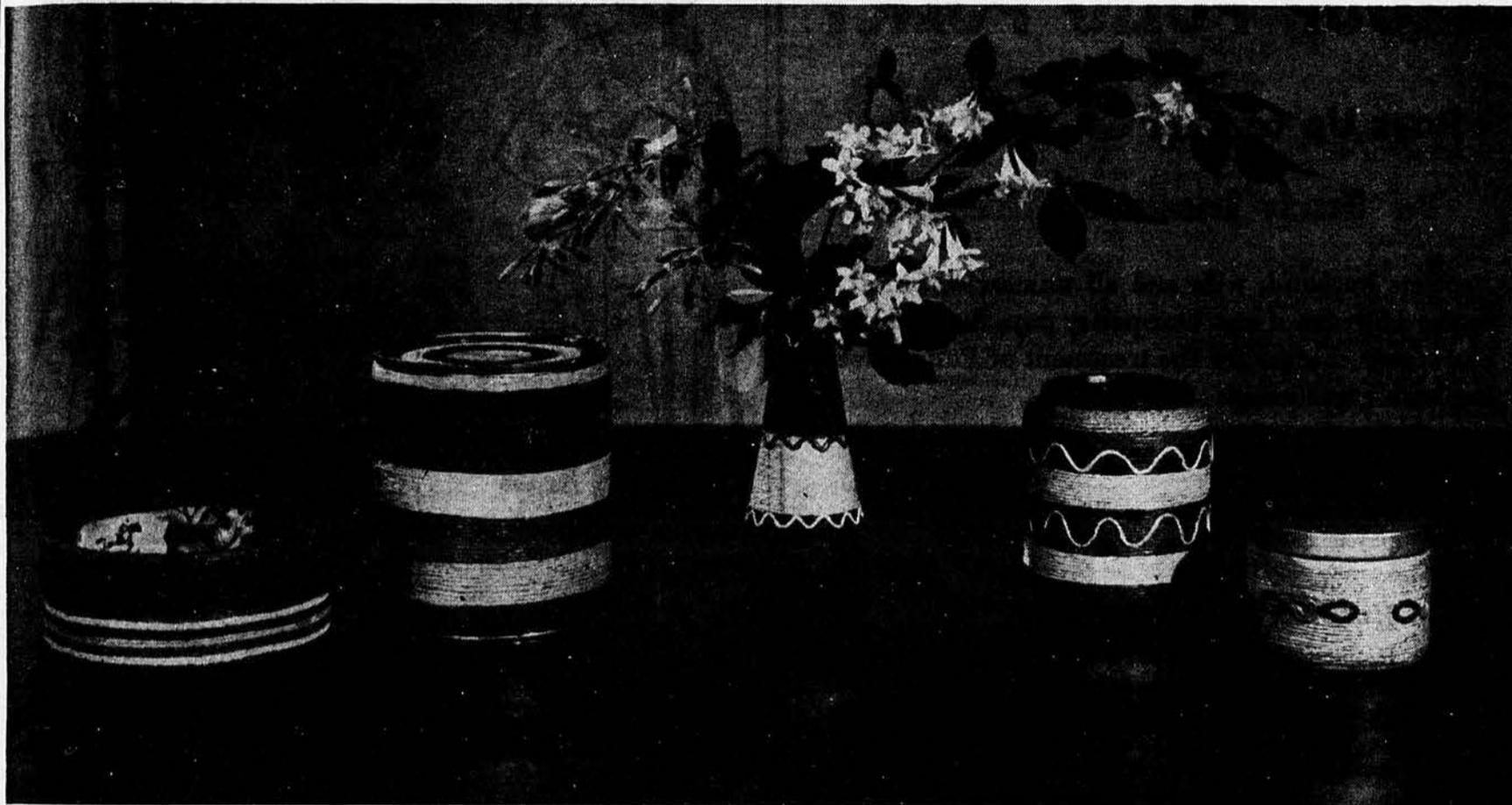
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A. H. Pankow, Pub. Dir., Pierre, S. Dak.

Kansas Farm Home and Family

FLORENCE MCKINNEY, Editor



Crepe Paper Rope Craft

COLORFUL AND USEFUL articles may be made with crepe paper rope on the ordinary glass, metal and cardboard containers around the house. Beginning left, basket from oatmeal box, cookie jar from shortening can, vase from dressing bottle, fruit jar vase, cold cream jar for powder box.

It's Decorative and Intriguing

By MARY HOLMAN GRIMES

TO ADD CHARM to one's surroundings and for a fascinating and inexpensive hobby, I recommend crepe paper rope craft. Articles covered with crepe paper rope have the look of basketry and are novel and attractive. The cash investment for covering a medium-sized container with crepe paper rope will not exceed 15 cents.

You will need crepe paper in a few harmonizing colors, a jar of white library paste and some white shellac. You may make your own cooked paste but I prefer the library paste because it adheres more readily and has less tendency to wet the rope.

Unusual-shaped jars or bottles to be used for vases, 3-pound shortening cans to be used for cookie jars or small wastebaskets, oatmeal boxes suitable for flowerpots are some of the containers you may like to use.

By using a small hand drill one can twist the rope speedily and neatly. You will need someone to help in this . . . a 6-year-old is quite capable of doing it and actually children love to help, I have found.

Without unfolding the crepe paper, measure 1½-inch strips and cut thru the folded paper. Leave on the wrapper and slide it up as you cut for it will aid in marking and measuring.

Remove the bit from the hand drill and push the end of the paper strip in the opening where the bit was located. Then tighten as you would if the drill held the bit. Now, with someone holding the drill, carefully stretch the strip of

paper, a portion at a time. Avoid letting your thumb and finger slide along the paper as you stretch it, for this gives the paper an uneven twist.

After the paper is stretched you are ready to start twisting the rope. Work with a few feet at a time, stepping back from the one turning the drill, as a portion is finished.

When a rope is completed do not let it sag, as this will cause it to twirl and knot. Wait until the rope is without motion, then start winding it around your hand, keeping it taut all the while. With the entire length wound, encourage it to turn into a figure 8 as you slip it off your hand. That will keep it in a small hank just as you have wound it.

Choose a container with simple lines for your first . . . a French dressing bottle with its wide base and narrow top may look simple to cover, but it is not easy for a beginner. You will find a commercial glass fruit jar with a press-on lid much easier to use. Try the graduated bottle later.

With enough rope twisted to cover your container, spread a newspaper on the table and have a wet cloth available for wiping your hands.

With your forefinger and thumb, thoroly coat a few inches of the rope with paste, press it on the jar, starting at the bottom and working upward. The first row or two will be a little difficult to keep in place, but if it tends to slip, press it back into position. Continue stripping



TWO PEOPLE with the use of a small hand drill can twist the crepe paper into rope. The author, Mary Holman Grimes, and her small friend and neighbor, Karen West, find this no trick at all. Rope is then pasted to jar or bottle, later decorations and shellac applied.

rope between your paste-covered fingers, pressing each row carefully against the preceding row and turning the container as you work. The rope shrinks a bit as it dries and will leave open spaces between rows, if not carefully pressed together. If you are careful to keep enough paste on the rope (actually it doesn't need much) it will not be necessary to put paste on the jar itself.

When ready for another color, wipe your hands to remove any excess paste and color that has faded on your hands. When placing the richer colors, such as red, next to a lighter color, you may want to wait and let the previous stripe dry and shellac it so there will be less danger of the red fading on the light color as you work. [Continued on Page 17]

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9106—Wonderful wrap-on. Fast sewing, 3 pieces (plus pockets, straps and ties). Misses sizes 12-20 and size 40. Size 16 takes 4 yards 35-inch fabric.

4674—Little girl can dress herself. Quick sewing, opens to iron. Child's sizes 2-10. Size 6 frock takes 3 yards 35-inch fabric; panties, 3/8 yard.

9173—Cool, slimming sun-dress plus smart cover-up jacket. Women's sizes 34-48. Size 36 sun-dress takes 4 yards 35-inch fabric. Jacket 2 3/4 yards.

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4652—A convertible ensemble for Jr. Miss. Snug belted top and sun-dress. Jr. Miss sizes 11 to 17. Size 13 takes 3 3/4 yards 35-inch fabric.



Pattern Numbers	Size	Name
		Route
		Town
		State

Crawford County Women Decorate Cakes



LEARNING HOW to decorate cakes are left to right, Mrs. James Loving, instructor, Pittsburg; Mrs. Cecil Aldridge, Pittsburg; Mrs. J. A. Parks, Pittsburg; Juanita Billington, home agent, Girard; Mrs. William Elliott, Pittsburg; Mr. Ralph Kennett, Pittsburg.

WOMEN love pretty cakes, especially pretty decorations on their cakes and they are learning to make them. In Crawford county, Juanita Billington, home demonstration agent, recently held 3 special interest lessons for 29 unit leaders. Mrs. James Loving, a professional cake decorator of Pittsburg, presided at the meetings and demonstrated the technique.

Each leader was asked to bring cupcakes and cake decorating equipment. Mrs. Loving told them there are only 2 things one needs to know to decorate a cake fit for a wedding party. First, the proper consistency of the butter icing, and the time to stop squeezing the equipment. Icing should be stiff enough to stand in peaks when stirred with a spoon.

With very inexpensive equipment the women learned to achieve any design they wished. To make a cone, Mrs. Loving recommends a heavy meat paper. Put frosting inside the cone. By clipping jagged edges at the base of the cone, she demonstrated how to make leaves, flowers, stars, vines, even writing.

For practice she suggested that the women use vegetable shortening for its consistency is just right.

Each class member watched the demonstration, was given some practice and went home trained to teach the other women in their home demonstration units.

Fun With Balloons

For a sure-fire, out-of-doors party for children, try a balloon party. Small fry always have fun with balloons, whether blowing them up or using them in a game. Write us for our leaflet, "Balloon Birthday Party." Write to Entertainment Editor, *Kansas Farmer*, Topeka. Please send 3 cents.

Crepe Paper Rope Craft

(Continued from Page 15)

It is not wise to use mucilage in this craft for it will saturate the rope and make the darker colors run. It also changes the original colors.

When you reach the top of your jar, tuck the tip of your rope under the preceding row and press down carefully. Allow plenty of time to dry thoroughly before coating with shellac. I prefer 2 coats of shellac. If the weather permits, I work with shellac out of doors, because of the penetrating odor.

When making baskets from large round oatmeal boxes, cover the handle

and brad it on before completing the box. Open up harmonizing bias tape, or use silk tape, to make a nice finish at the top edge of the basket, pasting it in place before bringing the rope to the top edge. You may like to line the basket or paint it inside for a more finished look. When covering lids, mark the exact center and start there, working to the edge.

It is fun to experiment with decorative designs on the basic covering. Use contrasting colors of rope, form flowers, geometric borders, Indian designs and many others. You may want to use a little textile paint for a decorative pattern before shellacking.

Interesting results are obtained by using dark brown or green glass containers. Let part of the glass show . . . do not cover it. Do not shellac the glass portion of the finished article.

Shower Suggestions

Whether it be for a bride-to-be or a prospective mother, *Kansas Farmer's* 2 leaflets on these subjects will be found helpful. Please address order to Entertainment Editor, *Kansas Farmer*, Topeka. Price 3c each.

A Hobby Show

Want to entertain just for fun, or have a show to raise money for some worthy cause? Our leaflet, "A Hobby Show," tells just how to plan such an entertainment or show. Please address Home Service Editor, *Kansas Farmer*, Topeka. Price 3c.

Ideas for color combinations and added decoration will come to you as you work. This craft produces professional-looking results and will do much to brighten your home. For gifts they are bound to be intriguing and welcome.

Women at summer camp and 4-H Club folks will give this craft a high rating for it takes co-operation, one learns hand skill and some fundamentals in design and color combinations. And best of all, it's real fun.

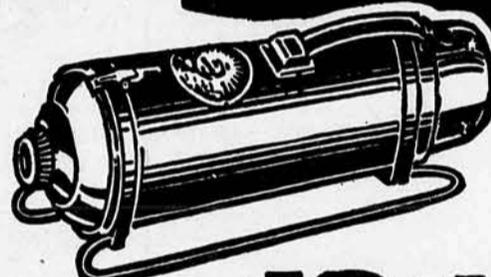
Am I?

Small George, who had a chest cold, was being very properly doctored before going to bed. His mother put her ear to his chest and listened for a minute. After being very quiet, he asked, "Am I running?"—By Mrs. C. B.

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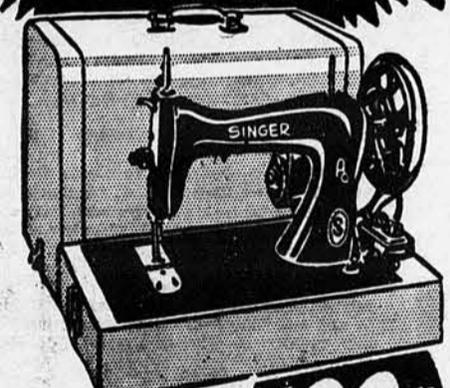
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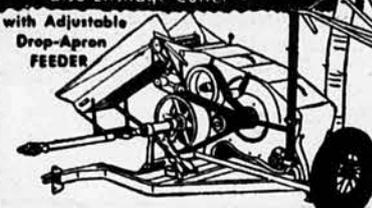
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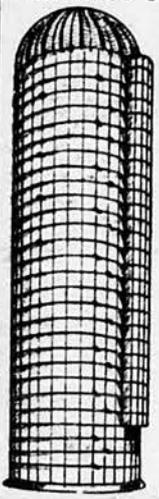


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Thoughts TO LIVE BY

"Related Words"

A FRIEND of mine detested the dictionary in his school days. So he did what people should always do with things they detest. He deepened his acquaintanceship with the dictionary. Now, he is a master in his usage of words. He knows not only the exact meaning of the words he uses, he also knows their origin and family relationship. How interesting words become when we learn to know them intimately!

Let's look at some illustrations. Strange as it may seem at first, creed and credit are related. Both of them stem from the Latin word credo, meaning I believe. Creed is an ecclesiastical word; credit is commercial. A creed is the doctrine one believes. Credit is the rating a lending agency puts upon an individual. What a person believes has a financial value. One who believes in working hard, playing fair, and paying his debts, has a much better chance to borrow money at a bank than has one who doesn't. And the man who believes in sobriety, honesty, and accepting his share of responsibility, has a higher credit rating than the one who does not. We all believe in something. What we believe in, and the extent to which we believe in it, determines our credit. The creed of a man goes with him into the market place.

Or, consider blessedness and blood. Bless creeps into our prayers. A blessing is a generality for which many people pray when they do not know what to request. We know that a blessing is good, but it is so vague that it is difficult to define. Not so

with blood. In a hospital, on the one hand, or in a slaughterhouse, on the other, blood is something specific. On the battlefield, blood is both shed and needed. Because it is a liquid with some definite and necessary characteristics, it has become the symbol of life. Both of these words come from the same Anglo-Saxon ancestor. Any wounded soldier can tell what a blessing blood is. But the relationship is also broader. Behind the blessing of freedom which we enjoy is the blood that was shed by many patriots. Is not blood shed, at least symbolically, by someone for every blessing that comes to us? And the reverse is also true. When we give a portion of our lives, our time, our blood, for someone else, we become a blessing to others. Ah yes, there is a relationship between the words.

A similar study could be made of the words whole and healthy. In New Testament usage, they mean the same thing.

Now look at a misappropriate title. We have entered what is often called The Atomic Age. A means not like the a in atheist. Tom comes from the Greek and means to cut or split. An atom is that which cannot be split. But the atom has been split. And with it, our world has been rent asunder. Ours should be called the Tomic Age. What we need is a Reality that cannot be divided. In Its, or His, wholeness lies our hope for at-oneness and peace. May God give us the true character of the atom. —Larry Schwarz.

Coming Events

- July 6-9—Shawnee county, 4-H Camp, Rock Springs.
- July 7—Jefferson county dairy tour.
- July 11—Elk county-wide dairy judging contest and calf display (artificially bred), Moline.
- July 12—Osborne county 4-H Council meeting, Osborne.
- July 12-15—Dickinson, Saline, Marion, McPherson and Rice counties, 4-H Camp, Rock Springs.
- July 13-16—Ford and Clark counties, Southwest 4-H Camp, Dodge City.
- July 13-16—Rush county, 4-H Camp, (older group), Rock Springs.
- July 14-16—Shawnee county, eastern district county Extension agents planning conference, Municipal Auditorium, Topeka.
- July 14-16—Shawnee county, Eastern district Extension service summer conference, Topeka, Municipal Auditorium, 9:30 a. m.
- July 16-19—Edwards, Pratt and Gove counties, 4-H county camp at S. W. camp.
- July 17-19—Northwest district conference, Salina.
- July 20-26—Farm Safety Week, sponsored by National Safety Council and Department of Agriculture.
- July 21—Shawnee county, beef tour.
- July 22—Jackson county, land judging school, courtroom, Holton, 10:00 a. m.
- July 22-25—Dickinson, Saline, Marion, McPherson and Rice counties, 4-H Camp, (older group), Rock Springs.
- July 22-25—American Hatchery Federation annual convention, San Francisco.
- July 23—Lane, Comanche and Ness counties, Southwest 4-H Camp.
- July 23—Ellsworth county, beef tour and barbecue.
- July 25—Labette county, grain drying school, Altamont.

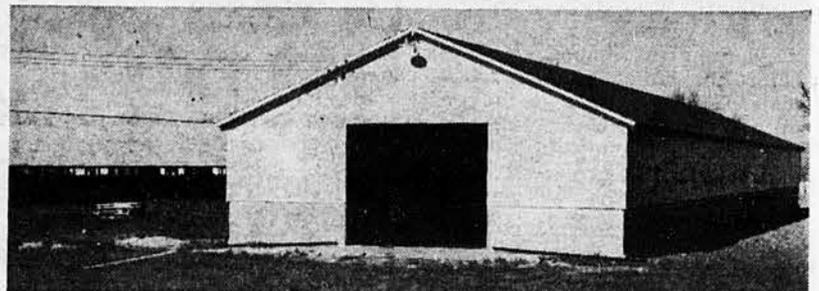
- July 25—Cloud county beef tour.
- July 27—Norton county, 4-H businessmen's picnic, Norton, Elmwood Park.
- July 28—Johnson county dairy tour.
- July 28-29—Flint Hills Hereford tour. Schedule of tour will be announced later.
- July 28-30—Osage county, home management training school for H. D. U. leaders, Lyndon.
- July 30—Jefferson county, county-wide home economics judging school, Township Hall, Valley Falls.
- July 30-Aug. 1—Sheridan county, 4-H fair, Hoxie.
- July 30-Aug. 9—National Vegetable Week.
- July 31—Brown county, dairy judging school, Lambert & Dickerson Guernsey Farm, Hiawatha.
- July 31—Barton county, 4-H Chamber of Commerce picnic, Lake Barton.
- July 31—Osage county, H. D. U. county-wide play day, Osage City fairgrounds.
- July 31-August 1—Annual Eastern Kansas FFA and 4-H Club livestock judging school.
- July 31-Aug. 2—Cowley county, 4-H show, Arkansas City.

Beat the Heat!

For a more enjoyable summer, "beat the heat" by reading a copy of "How to Keep Your Home Cooler in Hot Weather," then applying suggestions. It's a 24-page, 2-color illustrated booklet published by O. A. Sutton Corp., Wichita, Kan. For a copy, send us your name and address. Write Farm Service Editor, *Kansas Farmer*, Topeka. No charge.

- July 31-Aug. 2—Sheridan county, 4-H and FFA fair, Hoxie.
- August 3-5—Nemaha county, 4-H fair, Seneca.
- August 4—Washington county, unit lesson on washing and ironing, Ethel Self, Washington.
- August 4—Pottawatomie county, beef tour.
- August 4-9—Rush county, junior leadership camp, Rock Springs.
- August 5—Wabaunsee county, beef tour.
- August 5—Washington county, 4-H leader food preservation school, Elizabeth Randle, Washington.
- August 5—Wabaunsee county, beef tour and barbecue, Kermit Roth farm, Maple Hill.
- August 5-6—Brown county 4-H fair, Fairview.
- August 5-6—Finney county, land judging school.
- August 6—Sedgwick county, dairy pasture and management tour.
- August 6-7—McPherson county, 4-H and community fair, Moundridge.
- August 6-8—Jefferson county, 4-H Camp, Sycamore Springs.
- August 7—Sedgwick county, annual picnic.
- August 7—Barton county, home economics 4-H judging contest.
- August 7-8—Barton county, land judging school.
- August 7-8—Morris county, district judging school for 4-H'ers, Camp Freemont, Council Grove.
- August 8—Finney county, annual homemakers overnight camp.
- August 8-10—Logan county, Oakley 64th birthday celebration.
- August 10—Rawlins county, business men's picnic.
- August 11-13—Shawnee county 4-H fair.
- August 12-14—Barton county 4-H fair.
- August 12-14—Sedgwick county, 4-H Club fair.
- August 13—Morton county, livestock judging school.
- August 13—Wichita county, frozen foods training school, Wichita County Community high school, Leoti.
- August 14—Brown county, soil conservation field day, Ben Willie farm, Robinson.
- August 14-16—Comanche county 4-H fair.
- August 14-16—Wyandotte county 4-H Fair, Bonner Springs.
- August 15-16—Kearny county, 4-H fair, Louck's Park, Lakin.
- August 17-23—Sixth International Grassland Congress, Pennsylvania State College.
- August 18-19—Kiowa county, 4-H fair, Greensburg.
- August 18-20—Shawnee county, 4-H Club fair.
- August 18-20—McPherson county, 4-H fair, McPherson.
- August 18-23—Central Kansas 4-H fair, Abilene.
- August 19-20—Wichita county Old Settlers' picnic and fair.
- August 20-21—Edwards county, 4-H fair, Kinsley.
- August 20-21—Morris county, 4-H fair and sale.
- August 20-23—Norton, Decatur, Sheridan, Rooks, Graham and Phillips counties, 4-H camp, Rock Springs.
- August 21-22—Rawlins county, 4-H and FFA fair.
- August 21-22—Barton county, overnight camp for home demonstration women.
- August 22—Wabaunsee county, horse show, Alma, 8 p. m.
- August 25-27—Jefferson county, 4-H fair, Valley Falls.
- August 27-30—Dickinson, Morris, Marion counties, tri-county 4-H fair, Herington.

NEW LIVESTOCK BARN FOR FAIRGROUND



MITCHELL COUNTY has a new livestock barn on its fairgrounds at Beloit, thanks to \$2,700 donated by 4-H Club council and Farm Bureau. Plus labor donated by 4-H'ers, leaders, parents and Fair board members. The building, 120 by 28 feet, parallels a hog barn, with individual pens and concrete floor which was financed and built 2 years ago in the same way.

Money for the project contributed by 4-H Clubs was raised from food stand sales at the Fair as well as dinners served at various times during the year including county lamb show and dairy show, other projects. Farm Bureau funds were raised from rental on a seed cleaner and treater, dehoring chute and other equipment.

Question of Fixed High Price Supports A Hot Subject in Washington

By CLIF STRATTON, Kansas Farmer's National Affairs Editor

FARM GROUPS AND LEADERS are dividing over the issue of fixed high price supports for basic farm commodities (and some other imperishables) and the "flexible" or "sliding scale" price supports. With, in the background, payments direct to farmers on perishables, actually consumer food subsidies, once the high, rigid price support system is firmly established.

The American Farm Bureau and the National Grange are lined up against high, rigid price supports. The National Farmers Union favors fixed price supports at 100 per cent of parity for "storable" farm commodities, and direct payments for the perishable, ultimately perhaps for all farm commodities. Secretary Brannan at present is lined up in front of the Farmers Union, but content with 90 per cent rather than 100 per cent supports.

Draft Deferment Meeting

A point system for farm draft deferments, so local draft boards may have a standard basis in handling deferments, may be in the offing. Gen. Louis H. Renfrow, assistant director of Selective Service, has notified Sen. Andrew F. Schoepel of Kansas, that he is willing to meet with Gov. Ed Arn and other Kansas officials in the near future to study the problem. General Renfrow is conferring with governors and draft officials of other farm states. Tentatively, he has suggested a meeting with Governor Arn sometime in early August. At the time this is written, no definite date has been set.

Parity Price Scaling

At the time this is written, the Senate Agriculture committee has approved the Russell (D., Ga.)-Young (R., N. D.) bill to postpone the effective date of "transitional parity" until January 1, 1956, instead of January 1, 1954. House committee has approved the same, with an added section providing that price supports for basic commodities—wheat, corn, cotton, tobacco, rice and cotton—shall be 90 per cent of parity for the crop years 1953, 1954 and 1955. "Transitional parity" is a scaling down of the old parity formula (based on ratio of farm prices to farm costs 1910-14 base period, with some variations) to the "modern" parity formula, based on the preceding 10 years. During the "transitional period" the parity price cannot be reduced more than 5 per cent in any one year.

Modern and transitional parity formulas are contained in the Agricultural Act of 1949. This Act also provides for "flexible"—or "sliding scale" as Secretary Brannan prefers to term them—price supports. The range is from 90 per cent of parity down to 75 per cent, depending on the percentage above normal (100 per cent) supply of the commodity (carryover plus new crop estimate) is at the beginning of the new crop years.

Unless Congress amends the 1949 act before the end of 1953, the following scale of support prices for the corn, wheat, rice and tobacco would go into effect, if marketing quotas have not been disapproved by growers:

Supply not more than 102 per cent of normal	90%
From 102 to 104	89
From 104 to 106	88
From 106 to 108	87
From 108 to 110	86
From 110 to 112	85
From 112 to 114	84
From 114 to 116	83
From 116 to 118	82
From 118 to 120	81
From 120 to 122	80
From 122 to 124	79
From 124 to 126	78
From 126 to 128	77
From 128 to 130	76
More than 130 per cent	75

The foregoing are mandatory for growers in compliance, when the price support provisions of the Act of 1949 go into effect, which will be January 1, 1954, unless Congress changes the law between now and that date.

Until that time, the support price cannot be less than 90 per cent of parity according to the old formula—the practical effect of which is that for support price purposes the Secretary of Agriculture must use whichever of the 2 formulas gives the higher parity figure, for the basic commodities.

From 1950 until now, the "old" parity prices for wheat, corn, cotton, peanuts have been higher than the "modern" parity.

Flood Prevention Programs

A plan by which the Secretary of Agriculture, largely thru the Soil Conservation Service, would take over federal-local co-operative projects in upstream flood-prevention programs, was nipped in the bud last week by objections from the House Committee on Public Works.

A House Agriculture subcommittee, headed by Representative Poage (D., Tex.) and Rep. Clifford Hope (R., Kan.) after months of studies and a series of hearings in the Missouri Valley (including Kansas and Arkansas and other Missouri tributaries) worked up a bill which would authorize the Secretary of Agriculture to provide technical and financial aid to state and local agencies for upstream flood prevention projects, including detention dams and other soil and water conservation programs. Congressman Poage introduced the bill. The Agriculture Committee held hearings. Secretary Brannan appeared in support of the program, so did officials of the Farm Bureau, the Grange, the Farmers Union, Reclamation Bureau, Department of Interior, protested—take some jurisdiction away from Reclamation Bureau.

The House Agriculture Committee recommended the bill for passage, unanimously. The Public Works Committee pointed out that 10 such projects are under way, thru legislation originating in the Public Works Committee, and including the Washita program in Oklahoma, cited by the Agriculture group as the kind of watershed programs intended.

However, Watersheds Associations, such as the one recently organized in Kansas, are being formed in several Missouri-Mississippi Valley states, and watershed programs, it appears, are the next step in flood-prevention programs over the valley.

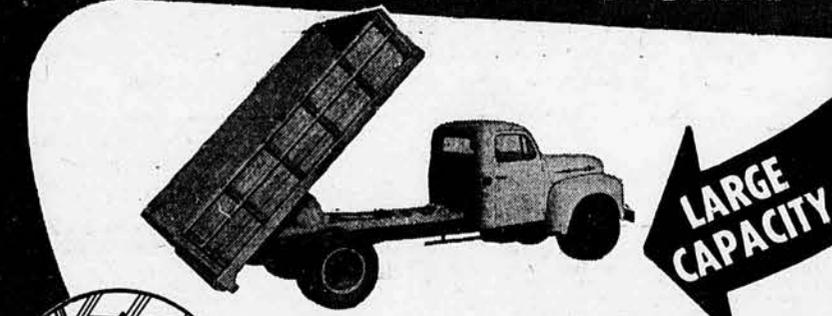
Pre-Convention Picture

Right under the nose of the Republican National Convention (Chicago, July 7), it looks in the national capital like Sen. Robert A. Taft of Ohio goes into the convention with a substantial, but not necessarily firm and decisive, delegate lead over Gen. Dwight D. Eisenhower for the GOP presidential nomination.

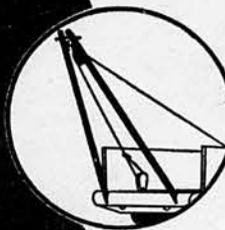
Best summary of various predictions on the result we can formulate is something like this: Taft headquarters does not have as many firm delegates as it claims (590 to 605); on the other hand, Eisenhower managers do not have nearly as many as they need to obtain the nomination.

The Eisenhower bid for delegates, 4 weeks after the General gave up his SHAPE command, doffed his uniform and returned home, has got back to just about where it was last January—"Taft can't be elected; Ike can be elected." General Eisenhower's speeches and appearances have not set the prairies afire for him, as had been hoped. But to candidates for governor, Congress, local offices, the idea of a sure winner against a (claimed) sure loser undoubtedly has a strong appeal.

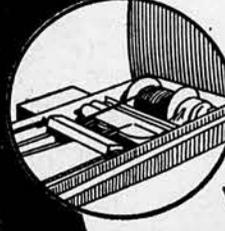
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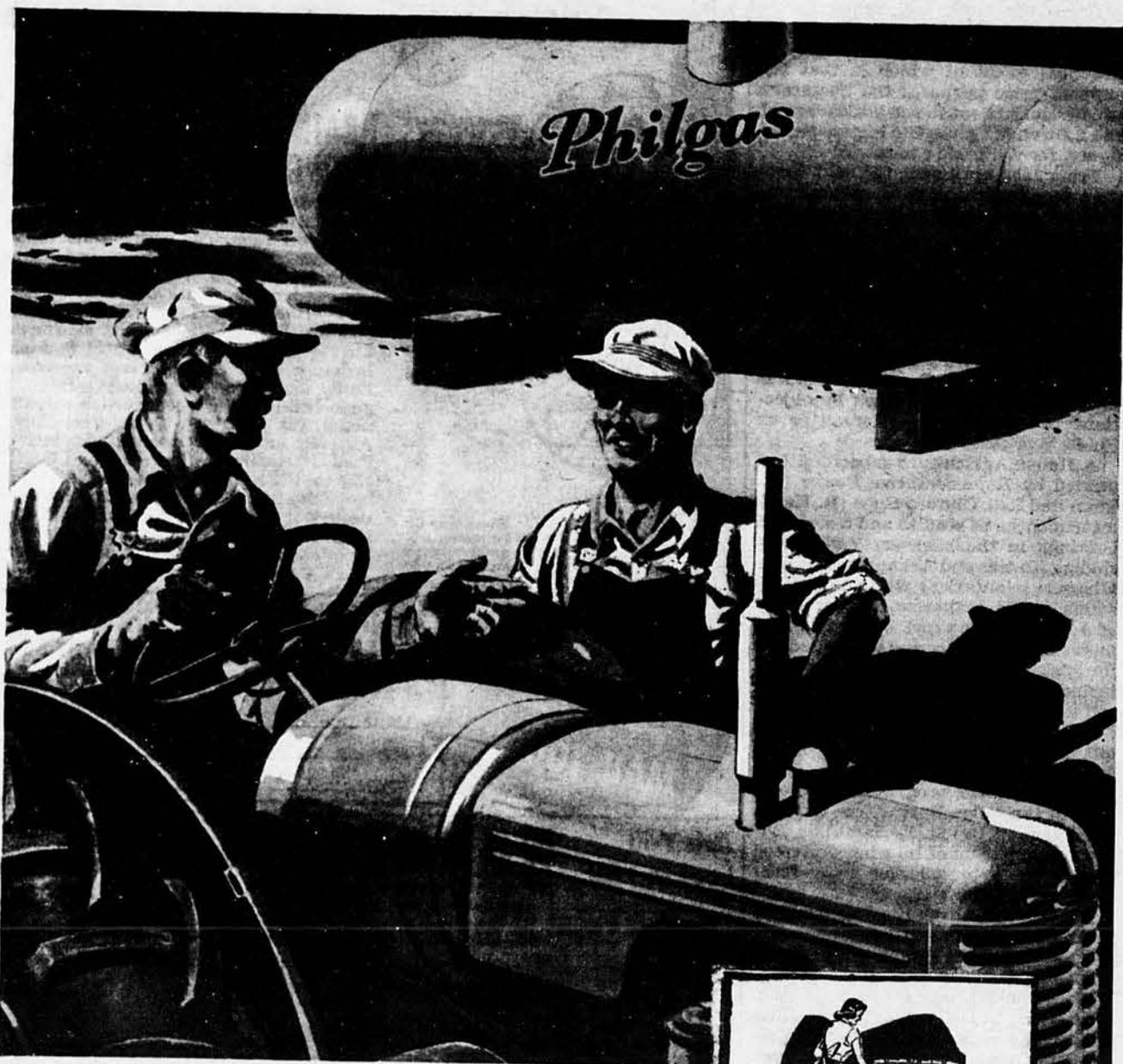
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 Bartlesville, Oklahoma

MARKETING VIEWPOINT

LEONARD W. SCHRUBEN, Feed Grains
 PAUL L. KELLEY, Dairy Products
 C. P. WILSON, Livestock

How long do you expect wheat prices to remain below the loan rate?—A. B.

Based upon what has happened during past years, market prices will likely remain below the loan until the middle of August. When we have had a fairly large harvest and wheat was in storage condition, the market has worked upward from harvest season low by the latter part of August or the first half of September. If growing conditions in the spring wheat area continue to be unfavorable we might expect the same pattern to be followed this year with postharvest recovery somewhat earlier.

If a farmer is storing wheat now in anticipation of selling it at about the loan rate he should not expect to have to hold it past mid-November. Some time during every year since the loan program was initiated, wheat prices have been at least equal to the loan. With most of the wheat being dry and in good condition for storage, heavy participation in the loan program is likely to develop. Once wheat is placed under loan there isn't much incentive to sell at a lower price.

What do you think the trend in use of milk fat will be for the next few years?—L. V.

Some persons feel the trend for a further decline in use of milk fat will continue, which would indicate a further decline in butter production in this state if most other factors remain similar to those at present. The impact of a decline in the per capita consumption of milk fats is particularly acute in the Great Plains area where butter historically has been the major dairy product. Where it is feasible, the long-run returns of the dairy industry of the state probably can be increased by enlarging the production of those dairy products for which the demand appears to be expanding such as dry milk or fluid milk products.

Would it be possible to start grain-feeding steers soon and have them on market in 120 days?—P. S.

At present it appears there will be a heavy run of grass cattle and a much weaker feeder demand for replacement cattle than a year ago. At the same time it appears the number of strictly grain-fed cattle will be small during summer and early fall and that consumer demand for grain-fed beef will be reasonably strong. This suggests that a cattleman who can grain feed will be in a better position than one who must sell straight grass cattle during late summer and early fall. Feed costs are, of course, high but gain in weight plus gain in price by shifting cattle from the grass-cattle market to the grain-fed cattle market probably will make it profitable.

New Agent for Riley County

Newly-appointed county agent in Riley county is Elmer W. Blankenhagen, former agent in Coffey county. He replaces Lee Brewer, now Chase county agent. Mr. Blankenhagen is a Kansas State College graduate in animal husbandry. His new duties will include working with 4-H members.

More Milk Profits

A top feeding program will build your herd's milk making capacity. You'll get better milk, boost your milk profits. For tips, write us for a copy of Ralston Purina Company's "Dairy Book." Address the Farm Service Editor, Kansas Farmer, Topeka. No charge. Your order will be filled promptly.



HAVE YOU HEARD?

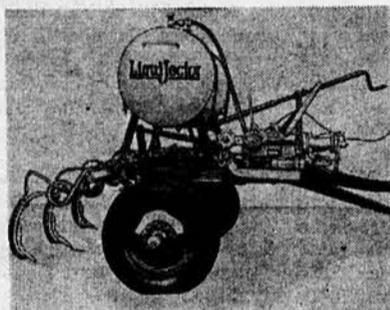
Notes on New Products and Folks Who Make Them

BURCH PLOW WORKS, Inc., Evansville, Ind., announce an expansion program nearing completion. Included was adding more space, installing new machinery, improvements in buildings. An electric hoist now easily loads completed implements on waiting trucks thru a-loading trap.

Potassium cyanate, sold under a variety of trade names, offers from 95 to 100 per cent control over crabgrass.

Galvanized Ware Manufacturers Council, Chicago, says best results are obtained when applications are made during late spring. Mix chemical with water in a galvanized steel sprinkling can and use same container for spraying solution.

LiquiJector is a new tractor-drawn machine which directly applies liquid anhydrous ammonia beneath soil. Developed by Dempster Mill Mfg. Co., Beatrice, Nebr., LiquiJector applies ammonia fertilizer from a 100-gallon pressure tank from 4 to 10 inches deep in



the soil under constant, pump-regulated pressure, independent of tractor speed and unaffected by tank pressure changes due to outside temperatures.

Doctor LeGear's Plus Combined With Poultry Prescription is a new product of Doctor LeGear Medicine Co., St. Louis. In addition to giving a tonic boost for run-down poultry and preventing and correcting nutritional diseases, Doctor LeGear's Plus starts chicks faster, grows them faster and starts egg production earlier when mixed with feed for first 3 weeks.

Double-purpose Boom Jet Gun has many uses around farm every day of year, says Spray-White Chemical Co.,



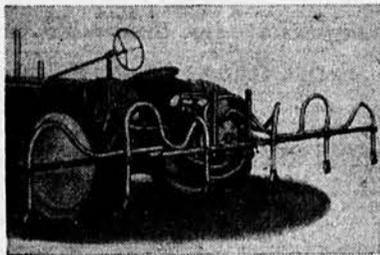
Cedar Rapids, Ia. It can be used as swivel-mounted field sprayer or hand spray gun. As hand gun it is adjustable for spot spraying, spraying weeds, fence rows, cattle, orchards and for cleaning tractors, hog and brooder houses. As a field sprayer, a swath 8 feet to 24 feet wide can be covered. The mounted unit is especially recommended by the manufacturer for spraying fence rows, fields.

Just published is a 16-page, 2-color, fully-illustrated booklet telling about Prentiss Warfarin Concentrate — rodenticide sold under the trade name, **Rax Powder**. Make your request for a copy to Prentiss Drug & Chemical Co., Inc., 110 William St., New York 38, N. Y.

Use of a safe and effective insecticide, such as methoxychlor, to kill young worms of the alfalfa caterpillar pest on alfalfa, can save millions of bales of

hay annually consumed by this pest, comments E. I. Du Pont Nemours & Company, Wilmington 98, Del.

Hudson "Dusty" is a new tractor power take-off duster, made by Hudson Mfg. Co., Chicago. "Dusty" holds 85 pounds of average density dust; a new-type, slow-speed spiral agitator chops



up dust and feeds it uniformly into the fan case without back draft; duster is equipped with an all-metal, 6 nozzle boom with flexible metal hose and metal nozzles and all-tractor mounting parts.

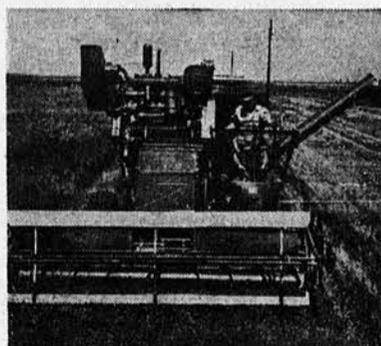
Comblotic P-S Ointment, new veterinary drug of Chas. Pfizer & Co., Inc., New York, is for veterinary treatment of mastitis in milk cows. Each tube of ointment treats one quarter of the udder. Ointment is available only thru veterinary physicians. Tube contains combinations of 2 antibiotics—penicillin and dihydrostreptomycin.

Winners of Red Ball JETS Jingle Contest will receive free, 2-week trips to Colorado, and there will be 272 other prizes for runner-up winners. Contest is announced by Mishawaka Rubber & Woolen Mfg. Co., Mishawaka, Ind. Contestants are to write the last line of a jingle. Entry blanks may be obtained from Ball-Band dealers, the contest being developed around the new JETS Canvas Sport Shoes.

Gehl Bros., Mfg. Co., West Bend, Wis., say requests can be made there for a copy of their new catalog on their complete line of forage harvesting and handling equipment.

"**Chemical Brush Control in Pastures and on Grazing Lands**" is a new, 12-page booklet, available from the Monsanto Chemical Co., St. Louis, Mo.

McCormick 127-SP is a new self-propelled harvester-thresher announced by International Harvester Company. New machine has 36 forward speed adjustments for complete harvest control, allows operator to match speed



with crop and ground conditions without shifting or throttling down. Cutting platform is available in 10- 12- or 14-foot widths. The 127-SP replaces the 125-SP, features 16 major improvements for greater ease of operation and efficiency in all types of grain and all field conditions.

TREND OF THE MARKETS

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

	Week Ago	Month Ago	Year Ago
Fed Steers	\$33.25	\$33.00	\$34.00
Hogs	21.35	21.10	22.50
Lambs	28.50	31.00	31.75
Hens, 4 to 6 lbs.	.17	.20	.27
Eggs, Standards	.37	.33 1/2	.42 1/2
Butterfat, No. 1	.61	.63	.64
Wheat, No. 2, Hard	2.37	2.49 1/2	2.32
Corn, No. 2, Yellow	1.90 1/2	1.91	1.78
Oats, No. 2, White	.90 1/2	.90 1/2	.89
Barley, No. 2	1.34	1.32	1.26
Alfalfa, No. 1	31.00	35.00	28.00
Prairie, No. 1	25.00	25.00	19.50

Goodbye FLIES, GRUBS and LICE

Your Animals Do It Themselves... and Love it!



WITH THE NEW NATIONAL REVOLVING APPLICATOR

Eliminate the mess, extra expense and work of spraying or dipping stock. Simple and quick to erect. Two quarts of guaranteed insecticide completely saturates roll first filling. Add a little at a time as needed. Contains no DDT. No waste; insecticide will not evaporate; is delivered direct to the trouble spot by the revolving roll... either on animals back or underside. No corral to build. No more rounding up and exciting cattle. Also perfect for dairy cows.

MONEY BACK GUARANTEE!
 Applicator Complete (less post and 40 lb. weight)... **\$23.50**
 Chemical Per Gal. **\$8.00**
 Complete Kit—Applicator and 4 gallons chemical... **\$53.50**
 Sent prepaid except C.O.D. Send check with order.
POWER AIRE SALES CO.
 939 No. 24th St., Dept. K, Omaha, Nebraska

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ENGINEERED BY ROCKY MOUNTAIN IRRIGATION SALES

Gain the added profits from portable sprinkler irrigation this year. Rocky Mountain Irrigation Sales (representing Farn Improvement Co.) bring you technical designing experience which will insure you the greatest possible irrigation at minimum investment. Aluminum is in short supply. Write us at once for literature, copies of our publication, *Irrigation News*, and a planning chart for our preliminary estimates.

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 2035 So. Holly, Denver, Colorado

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 Box 402 Junction City, Kansas

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RADCLIFF SILO CO., Inc.
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Behlen Hi-Speed Gear Box gives old model John Deere A or B two road speeds—9 and 15 m.p.h. For Farmall F-20, F-30, or Regular Model you get 15 m.p.h. gear box; or you can have 10 m.p.h. speed for F-20 or for Regular Model. Installed with or without Lift-All Pump. Does not interfere with present gears. Write for particulars, stating make, model of tractor.

Behlen Mfg. Co., Dept. 10, Columbus, Neb.

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KOSCH MFG. CO. Dept. 7 Columbus, Neb.

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Write for special display requirements.

Kansas Farmer, Topeka, Kan.

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Rocks, Reds, Hampshires, Wyandottes \$7.95, pullets \$12.95; Leghorns, Austra-whites, Minorcas, \$8.95, pullets \$14.95; Heavy Assorted \$6.90; Leftovers \$4.85; Fryers \$2.95 FOB. 100% alive COD. Catalog free. Bush Hatchery, Clinton, Mo.

DeForest Blueblood Chicks, broiler and egg breeds and crosses. Hatching year around. Broad-breasted Bronze, Beltsville White Poulters, Guaranteed livability. DeForest Hatcheries, Box E, Peabody, Kan.

White, Brown Leghorns, Austra-whites, Rocks, Reds, Hampshires, Wyandottes \$8.90, pullets \$13.95; Heavies \$6.85; Mixed \$5.95; Fryers \$2.95. Hi-Grade Chicks, Deepwater, Mo.

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Blue Bow Treated Baler Twine, Binder Twine, Rope. Also 5 other brands. Quality guaranteed. Wanted dealers, distributors, salesmen. Also baler wire for all makes hay balers. See your local dealer or write, Bob Stone, National Twine Distributors, Chariton, Ia.

Booms All-Purpose Wagon Unloader. Inexpensive, easily attached to your present wagon. Unloads five tons in seven or fourteen minutes. Free literature. Booms Silo Co., Harbor Beach, Mich.

Wire Winder. Roll and unroll barbed wire with tractor power and speed. Low cost. Free literature. Midwest Wire, Dept. 28, South St. Paul, Minn.

Aluminum Irrigation Pipe, sprinklers gated wheel move pumps. Some used hand move. Write Harry S. Dole Irrigation Equip., Almena, Kansas.

Build Your Own Rotary Lawn and weed cutter. We supply cutting unit complete. Price \$16.50. Circular free. Tractor-Lite Mfg. Co., Spirit Lake, Iowa.

Ford or Ferguson 24" Hus-Kee Tractor tool box. Heavy steel. Low priced. Order from dealer or write Metal Box Co., Valparaiso, Ind.

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Used Combines for Sale—12' IHC pull type combine, dirt cheap. The Dunlap Company, Williamsport, O.

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Certified 44-14 Kafir \$7.00 per cwt. Wabash Soybeans, \$3.50 per bushel. J. A. Holmstrom, Randolph, Kan.

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African Violets—Newest varieties. Write for price list. Mrs. Fred Walkenhorst, 6030 Indiana, Kansas City, Mo.

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BUY SPERRY'S KY 31 FESCUE
Green pasture year around—makes fine hay. "The answer to a cattleman's prayers" I ran 75 to 100 head all winter on 60 acres, no feed, no shelter. (See Henry County agent's article in July issue of Capper's Farmer.) Drill 20 lbs. per acre August 15th to September 15th. Seed 65c lb. Order now. Send 10¢ with order and pay balance on delivery.
Floyd Sperry, Box 8, Route 6, Clinton, Mo.

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on income received from Kansas Municipal Bonds as such income is fully exempt from federal taxation; also the principal is exempt from Kansas tax on intangibles. Write today for full information and for our list of Kansas Municipal Bonds which will give you up to 3% tax-exempt income.

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Two Sets of "Deckledge" Prints with every 8-exposure roll finished 40c. Very finest quality. "Deckledge" reprints 3c each. Jumbo reprints 4c each. Brown Photo Company, 1910-32 Emerson, Minneapolis, Minn.

Only 25c. Your roll developed and 8 finest quality enlarged prints. Pictures plastic bound in beautiful album. Trial offer: limited time. Daily service. Ball Studio, Dept. 71M, Box 275, St. Louis, Mo.

Jumbo Prints—8-exposure, 35c. 12-exposure, 50c. 16-exposure, 65c. Reprints, 5c each. The Foto Farm, Dept. KF, Box 228, Norfolk, Nebr.

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

12 Jumbos from Roll, 35c. 8 Jumbos, 25c; with this ad. I. Skrudland, Lake Geneva, Wis.

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Black English Shepherd Pups. Breeder for 25 years. H. W. Chestnut, Chanute, Kans.

Rat Terrier Puppies. Bred for ratters. Crusaders Kennels, Staford, Kansas.

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Young Parrots—Make fine talkers. Herb Miller, 1911-N, Lubbock, Tex.

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Earn Up to \$400 monthly raising Angora or New Zealand Rabbits. Plenty markets. Particulars free. White's Rabbitry, Newark, O.

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Be An Auctioneer. Term soon. Write for information. Missouri Auction School, 3241 Paseo, Kansas City, Mo.

Books for Sale. Used. Out of print. Catalog free. Balliol, Box 85, Station "K", Toronto, Can.

● ELECTRICAL EQUIPMENT

Light Plants, Generators, air compressors, blowers. Low prices. Free catalog. Wellworth Trading Co., 1832 So. Wabash, Chicago 16, Ill.

● FOR THE TABLE

HONEY Mixed 60-lb. Can \$10.50

Extracted—Pure as bees can make it.
60-lb. Can Clover, FOB..... \$12.00
60-lb. Can Mixed, FOB..... 10.50
12-lb. Can Clover (Postpaid to 600 mi.)... 3.85
12-lb. Can Mixed (Postpaid to 600 mi.)... 3.50
Order Promptly—Supply Limited
HAHN APIARIES, 1515 Lane St., Topeka, Kan.

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At Last! Something new and sensational in Christmas cards. Make extra money fast! Show Satins, Velours, Metallics. Gets easy orders. Pays up to 100% cash profit. 30 free samples. With name 50 for \$1.25. Big line. Amazing new Glor-in-the-Dark Ornaments. Personalized new Stationery. Several \$1.00 boxes on approval. Pure Greetings, 2801 Locust, Dept. 287-J, St. Louis, Mo.

Order All Kill Rat Poison containing Warfarin, one lb. box \$1.00 prepaid. Guaranteed. Agents wanted. Barrett Mfg. Co., Ardmore, Oklahoma.

● WANTED TO BUY

Send Us Wool or Woolen Rags. Trade for woolens, batting and blankets. Write for free circular. Litchfield Woolen Co., 303 Sibley Ave. No., Litchfield, Minn.

● OF INTEREST TO WOMEN

Stainless Steel, Waterless Vaporseal, one quart sauce pans, \$6.50; eight, \$14.50; six, \$13.50; two, \$7.50; three, \$8.50. Pressure Cookers, Percolors, Ovens, Ranges, Milk Pails. Major Co., 71 Milford, Springfield, Mass.

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

● FEATHERS WANTED

West Chicago Pays More: Get highest cash prices for your goose and duck feathers. Send sample for prices of used feathers. Free shipping tags. Prompt payment. Company highly rated. West Chicago Feather Company, Dept. C. G., 172 N. Aberdeen St., Chicago 7, Ill.

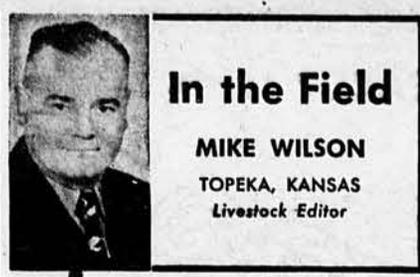
● FARMS—MISCELLANEOUS

United Farm Agency's big free summer catalog of farm and country real estate bargains can help you plan soundly for your future security in the country. Good pictures, many states, easy terms, many equipped, growing crops included. For special service, state requirements, desired location. Write for your catalog today. It's free! United Farm Agency, 2825-KF Main St., Kansas City 8, Mo.

We Have Several Farms and Ranches from 80-acre dairy farm to 1,280-acre cattle ranches with good improvement. Aubrey Russell, Phone 49178, Universal Realty Co., 206 East Olive, Springfield, Mo.

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In the Field

MIKE WILSON
TOPEKA, KANSAS
Livestock Editor

Dairy Judging Reports

Reports of Kansas Farmer's dairy-judging contests, are:

Ayrshire

Northeast Kansas: Raymond Scholz, Lancaster, 1st; Harvey Holmes, Olathe, 2nd; Esther Alford, Lawrence, 3rd; Raymond Landes, Morrill, 4th, and John C. Keas, Effingham, 5th.

South Central: Wallace Mueller, Arkansas City, 1st; M. B. Dusenbury, Corbin, 2nd; Merle Foiles, Arkansas City, 3rd; Clinton Hobson, Arkansas City, 4th, and Walter Robinson, Nashville, 5th.

Southeast District: August Flake, LeRoy, 1st; Royal Hendershot, Hiattville, 2nd; Mrs. Wesley Bailey, Hiattville, 3rd; Mrs. Robert Karr, Humboldt, 4th, and Robert Karr, Humboldt, 5th.

North Central: Robert Hull, Manhattan, 1st; Verland Hoffman, Abilene, 2nd; Loren Hoffman, Abilene, 3rd; Waldo Nelson, Marysville, 4th, and Wade Bauer, Broughton, 5th.

Mid-Kansas Ayrshire Breeders' Association: P. H. Penner, Hillsboro, 1st; Mrs. John Warren Regier, Moundridge, 2nd; Alvin Penner, Hillsboro, 3rd; Allan Unruh, Hillsboro, 4th, and Reeves Lewis, Furley, 5th.

Central Kansas: C. L. Zimmerman, Sterling, 1st; Leo Kagarice, Hutchinson, 2nd; Mrs. Charles Zimmerman, Sterling, 3rd; Mrs. Ralph Warren, Arlington, 4th, and Mrs. G. Fred Williams, Hutchinson, 5th.

Jersey

Central Kansas: Morris Bateman, Hutchinson, 1st; George Heckel, Alden, 2nd; Mrs. Fred Krehbiel, Pretty Prairie, 3rd; Mrs. Ray Cudney, Trousdale, 4th; Gene McKee, Nickerson, and Fred Krehbiel, Pretty Prairie, tied for 5th.

H. E. HOLLIDAY, Secretary-Treasurer of Kansas Spotted Poland China Breeders' Association, informs us members will hold their Fourth Annual Picnic on Sunday July 27, at Eisenhower Park, Abilene. Basket dinner at noon. Bring your family. If you are interested in Spotted Poland you are invited to attend.

The second annual picnic to be held at the RETNUT FARM is tentatively scheduled for the first week in August, according to Joe Hunter. Details will be announced later. Many attended this picnic last year and enjoyed the fellowship with friends and breeders. This year Joe expects to arrange for a "Field Day" in connection with the picnic.

One of the good Shorthorn herds in Northern Kansas may be found on the farm of J. M. NIELSON & SON, Marshall county. One of oldest herds in that section of the country, it was founded and built around the famous Tomson bloodlines. The Nielsons have specialized in producing quality other than quantity. This firm has distributed a number of good bulls thruout Kansas farm herds.

Word comes from LINTON LULL, Smith Center, that the North Central Kansas Hereford Association plans their annual tour for July 22. The area to be covered this year will be western

● REMEDIES—TREATMENTS

Free Book—Piles, Fistula, Colon-Stomach, associated conditions. Latest methods. Thornton & Minor Hospital, Suite C706, Kansas City 3, Mo.

● OF INTEREST TO ALL

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

Don't Feed Sparrows! Make your own trap and catch thousands. Save costly feed and annoyance. Free details. Roy Vall, Farm Service Co., Box 7921, Chicago 15, Ill.

Boots and Shoes—Highgrade, fancy, handmade. Western style. Made to your measurement. Latest catalog. Crichton Boot Company, El Paso 8, Tex.

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

July 19
Will Be Our Next Issue
Ads for the Classified and Livestock Section must be in our hands by **Friday, July 11**
If your ad is late, send it in Special Delivery to 912 Kansas Ave. Kansas Farmer, Topeka, Kan.

part of the territory. Itinerary is as follows: Wendell Intermill, Mankato, at 9 o'clock; B. K. Hereford Farm, (Boyd Korb, owner, Burr Oak); Dallas Thomas, Esbon; Lull Hereford Farm (noon stop. Lunch, compliments Lull Hereford Farm); Ollie Conrad, Gaylord; Walter Johnson, Gaylord; John Vetter & Son, Beloit. Members of this association wish to extend a personal invitation to everyone to attend.

E. D. HERSHBERGER & SONS, Hershberger's Guernsey Dairy, Newton, have had their herd classified for type by The American Guernsey Cattle Club. Results were: 8 cows classified Very Good, 14 Desirable and 1 Fair. Sixteen daughters of Meadow Lodge King's Laddie were classified. Two rated Very Good, 8 Desirable and 6 Acceptable. Results of tests tell a breeder the strong and weak points in the conformation of his herd.

Your livestock editor had the pleasure of spending a pleasant afternoon recently with JESSE H. JOHNSON, former livestock editor of KANSAS FARMER. Mr. Johnson was in his usual good form and as jovial as ever. Mr. Johnson enjoys talking over the livestock industry and recalling names of you breeders, friends of his in the past. He served over 30 years in the capacity of livestock editor and fieldman. It was very nice seeing and visiting with him again. He lives at Junction City.

The American Guernsey Cattle Club announces the election of ROBERT E. HERSHBERGER, Hershberger's Guernsey Farm, Newton, to membership. He has a herd of registered Guernsey cows on his farm. The American Guernsey Cattle Club is a national organization of more than 50,000 breeders of purebred Guernseys. It records registration of purebred Guernseys which trace to the Island of Guernsey, original home of the breed, in the English Channel. It also supervises tests of production and, thru Golden Guernsey, Inc., supervises marketing of Golden Guernsey Milk.

FOUR HOLSTEIN HERDS in Kansas recently completed a year of production testing with the Holstein-Friesian Association of America. The owners, town, and production records are: Harold B. McDaniel, Wichita, 11 cows averaged 384 pounds butterfat and 11,593 pounds milk in 301 days on 2 milkings daily; Wilson Brothers, Lincoln, 25 cows averaged 364 pounds butterfat and 10,892 pounds milk in 307 days on 2 milkings daily; Chester Dowerff & Son, Ellinwood, 12 cows averaged 421 pounds butterfat and 11,858 pounds milk in 301 days on 2 milkings daily; Luther Shetlar, Conway Springs, 11 cows, 418 pounds butterfat and 12,756 pounds milk in 309 days on 2 milkings daily.

Livestock enthusiasts of Northeast Kansas are very proud of the latest edition to the NEW FAIR BARN, now being completed at the Atchison county fairgrounds, in Effingham. The building is a concrete and wood structure and will house cattle, sheep and swine for the many exhibitors who annually display their livestock at the Atchison County Fair. This fine building was made possible thru efforts of many Atchison county residents, including those of John C. Keas, president of the Atchison County Fair Association. John maintains an outstanding herd of registered Ayrshire cattle, is also a teacher of a G. I. agricultural class. John Keas's contributions to the livestock industry are many.

NATIONAL DAIRY CATTLE CONGRESS September 27 thru October 4 is offering largest cash premium list in its history in celebration of its 40th exposition. With appropriations from the 6 breed organizations co-operating, cattle premiums exclusive of awards in numerous other divisions of the exposition total more than \$55,000. There will be 35 trophies awarded exhibitors also. Production ability of cows in individual classes will be recognized by awarding of a 25 per cent increase over regular premiums won, providing official test records show production the equivalent of 450 pounds of butterfat for 305 days, twice-a-day milking as a mature cow. For details of the event, write National Dairy Cattle Congress, Waterloo, Ia.

Monday and Tuesday, July 28 and 29, has been set for the annual Flint Hills Hereford tour. The group will assemble Monday morning at 7 A. M. at the Allen Engler & Sons, 4E Ranch, Route 1, Topeka, 4 miles south of Topeka on U. S. Highway 75, then 1 mile west. A chuck wagon breakfast will be served. At 8 A. M. the 4E Ranch Poiled Herefords will be inspected. Following stops will be made during the remainder of the day: Adams Ranch, Garland Gideon, Belyacres Ranch, all of Paxico; Kansas State College, Manhattan; G. C. Poole & Sons, Manhattan; John Poole, Junction City; Sun Ranch, Junction City; T. L. Welsh, Abilene; supper and evening program will be at 7:00 P. M. at Sterl Hall, Eisenhower Park, Abilene. Those wishing reservations on Monday night should write George Thompson, care of T. L. Welsh Hereford Farms, Abilene.

On Tuesday morning at 6:30 A. M. the group will assemble at south edge of Abilene on Highway 15. These herds will be inspected: Howard Beetch & Sons, Canton; breakfast also will be served at this ranch. Then to Jesse Riffel & Sons, Enterprise; Miller & Manning, Council Grove; J. B. Pritchard, Dunlap; and at noon the group will meet at the Moxley Hall Ranch for lunch and an afternoon program, then the Ferguson Herefords will be inspected.

A large crowd was on hand for the 3RD ANNUAL HIGHLAND VIEW-ROANRIDGE PRODUCTION SALE held at Highland View Farms, Gashland, June 6. Forty-eight lots sold for \$33,160 to make an average of \$690. Fourteen bulls averaged \$938; 34 females averaged \$590. Top bull of sale was Lot 1, selling for \$8,000 on bid of Roanridge Farms, owned by W. A. Cochel, Parkville. This good bull was Calrossie Captain John, calved January 13, 1951. He was sired by Calrossie Welcome, was consigned to the sale by Highland View Farm, owned by D. W. Bishop, Gashland. Second top bull of sale was Lot 4, HVF Supreme 9th, selling for \$1,000 to Drummond Farms, Independence. He was consigned by D. W. Bishop. This good bull was a February 28, 1951, calf sired by Calrossie Supreme. For females, top was made on Lot 31 White Orange Maid 3d, at \$2,000; to Edelyn Farms, Wilson, Ill. She was also consigned by D. W. Bishop. This good female was an August 10, 1950, calf sired by Klaymor Kohinoor and was sold safe in calf to Erimus Dandy. Second top of females was made on Lot 17, consigned by D. W. Bishop. She was HVF Verbena 2d, calved June 5, 1950, and was sired by Calrossie Supreme. She was also mated to Erimus Dandy. Buyer was Marabara Farms, Libertyville, Ill., on their bid of \$1,125.

The sale was managed by Mervin F. Aegerter, Seward, Nebr. Auctioneer was C. D. Swaffar, assisted by members of the livestock press.

Dairy CATTLE

A. Lewis Oswald
John C. Oswald

Rotherwood JERSEYS
Hutchinson, Kansas

REG. HOLSTEIN BULLS

From calves to service age, out of good type and high record dams. Sired by Gold Medal Proven Bulls and sons of Gold Medal Proven Bulls. You will be surprised how little it takes to buy one.

GROVER G. MEYER & SON
Basehor, Kansas

FOR SALE: 7 YEAR OLD REGISTERED HOLSTEIN COW

Milk up to 72 lbs. daily. Health papers will be furnished. Her heifer calf was next to top seller at the State 4-H Sale at Abilene. Due to freshen July 12 to an outstanding bull.

BERNARD G. FICKEL, Riley, Kansas

WISCONSIN DAIRY CATTLE

Choice Holstein, Guernsey and Brown Swiss Calves, Yearlings and Springing Heifers. Delivered to your farm C.O.D.

Dennis R. Grosse, York, Nebr., Bx. 48, Ph. 1419

FOR SALE Registered Guernsey heifers and bulls. Hershberger & Sons
Newton, Kansas

82 HEAD OF JERSEY AND GUERNSEY HEIFERS
Good quality, yearling.
MACK MORRIS, Phone 983, Rogersville, Mo.

Dual-Purpose CATTLE

BROOKVIEW MILKING SHORTHORN HERD
Cows classified and DHIA tested. Visitors always welcome.
LEROY HARVEY, Hill City, Kansas

SHEEP

Nebraska Sheep Breeders' 16TH ANNUAL RAM and EWE SALE
Friday, August 1, 1952
State Fair Grounds
Lincoln, Nebraska

9:00 A. M. Judging Reg. Sheep and Program 11:00 A. M. Auction begins with Grade Ewes 1:00 Black Face Western Yearling Ewes—60 Registered Yearling Ewes. Registered Rams and Ewes are Hampshire, Shropshire, Cheviot, South-down and Corriedale.
For information write:
M. A. ALEXANDER, Secretary
College of Agriculture, Lincoln, Nebraska
Charles Corkle, Auctioneer

ORDER YOUR SUFFOLK RAMS
now while supply is still available.
BEA GESTE FARMS
Roy B. Warrick & Sons, Oskaloosa, Iowa

HORSES -- JACKS

Stud—Purebred—License No. 150
REGISTERED QUARTER HORSE
PALOMINO 'PRINCE BOY'
Former Owner, Stan Meyers; new owner, Jim Chaffee. Cedar Lane Stables and Kennels, home of Palomino horses and Great Dane dogs. Route 1, Topeka. Phone 4-3916 or 4-1766.

HOGS

REG. SPOTTED POLAND CHINAS
Choice spring boars & gilts with plenty of length, deep sides, deep full hams. Sired by Kansas Model and Majestic Duke. New bloodlines and unrelated pairs. Double immune. 4 1/2 miles North.
J. V. CUNDIFF & SONS, TALMAGE, KANSAS

You are invited to attend the Kansas Spotted Poland Chinas Breeders Assn. FOURTH ANNUAL PICNIC
Basket Dinner at Noon — Bring Your Family
SUNDAY, JULY 27, 1952
Eisenhower Park, Abilene, Kansas
Walter Rothe, Pres., Ness City, Kan.
H. E. Holliday, Sec.-Treas., Richland, Kan.

AUCTIONEERS

HAROLD TONN
Auctioneer and Complete Sales Service
Write, phone or wire
Haven, Kansas

THESE REGISTERED HOLSTEIN-FRIESIAN cows in Kansas recently completed production records with the Holstein-Friesian Association of America:
Smoky Valley Carnation Birdie, owned by W. G. Bircher & Sons, Ellsworth—535 pounds butterfat, 13,239 pounds 4.0 per cent milk, 342 days, 2 milkings daily, 2 years 3 months.
Sunnymede Kathryn County, C. L. E. Edwards, Topeka—568 pounds butterfat, 16,173 pounds milk, 365 days, 2 milkings, 7 years.
Beezley Farm Burke Lady, R. C. Beezley, Girard—783 pounds butterfat, 20,489 pounds milk, 365 days, 3 milkings, 3 years 6 months.
Shetiars Triune Ormsby Lyn, Luther Shetlar, Conway Springs—420 pounds butterfat, 12,168 pounds milk, 287 days, 2 milkings, 4 years 3 months.
Carline Holtop Tidy Adeen, J. W. Carlin, Smolan—633 pounds butterfat, 16,916 pounds milk, 338 days, 2 milkings, 4 years 4 months.
Lettie Bessie, Wallace J. Beckner, Belle Plaine—572 pounds butterfat, 16,480 pounds milk, 323 days, 2 milkings, 6 years 1 month.
Saline Valley Winthony Louise, Wilson Brothers, Lincoln—439 pounds butterfat, 11,518 pounds milk, 365 days, 2 milkings, 2 years 2 months.
Saline Valley Starlight Polly, Wilson Brothers, Lincoln—431 pounds butterfat, 13,212 pounds milk, 365 days, 2 milkings, 2 years 8 months.
Smoky Hill Vivian Hyacinth, H. A. Meier, Abilene—777 pounds butterfat, 20,581 pounds milk, 365 days, 2 milkings, 7 years.
Collins Farm Roamer Princess, Harvey Bechtelheimer, Sabetha—559 pounds butterfat, 15,232 pounds milk, 314 days, 2 milkings, 2 years 2 months.

Public Sales of Livestock

Aberdeen-Angus Cattle
October 22—Blackpost Ranch, Olathe, Kan.
October 29—Kansas Breeder Association Sale, Hutchinson, Kan. Don Good, Sale Manager, Manhattan, Kan.
December 8—Annual Commercial and Purebred Sale, Dodge City, Kan. Chester I. Bare, Sale Manager, Protection, Kan.

Brown Swiss Cattle
October 15—Tri-State Brown Swiss Association, Topeka, Kan. Ross Zimmerman, Sale secretary, Abbyville, Kan.

Guernsey Cattle
October 21—Kansas Guernsey Breeders' Association, Hutchinson, Kan. C. J. Graber, Secretary, Newton, Kan.

Hereford Cattle
September 3—Chas. and Mary Cordell Dixon, Leon, Kan.
September 5—Lull Hereford Farms, Smith Center, Kan.
September 11, 12 and 13—L. L. Jones & Son Dispersion, Garden City, Kan.

October 16—Clyde E. Holman Registered Hereford Herd Reduction Sale, Richmond, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.

September 17—Forrest Booth, Wellsville, Kan. Sale at Ottawa, Kan.
September 18—Fritz Kerbs & Sons, Otis, Kan.
September 27—O'Bryan Ranch Annual 4-H and Hereford Calf Sale, Hiattville, Kan.

October 2—Wendell Intermill, Mankato, Kan.
October 3—Fruzer Hereford Farm Production Sale, Stet. Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.

October 3—North Central Kansas Hereford Breeders Show and Sale, Belleville, Kan. George C. Wreath, Sale Manager, Belleville, Kan.

October 6—Hiland Stock Farms, Superior, Nebr. Melvin Schiermeyer, Owner.
October 6—Beeks-Cleland, Baldwin, Kan.
October 9—Jim Riffel, Junction City, Kan.

October 9—Belly Acres Ranch, Paxico, Kan.
October 18—CK Ranch, Brookville, Kan.
October 21—Twin Oak Farm, Moundridge, Kan.
October 25—Belden & Scheutz, Horton, Kan.
October 27—John W. Spencer, Straight Creek Farms, Whiting, Kan. Sale at Marysville, Kan.

October 28—O'Bryan Ranch Annual Polled Hereford Sale, Hiattville, Kan.
October 30—Flint Hills Association, Cottonwood Fall, Kan.

October 31—Ely Hereford Ranch, Attica, Kan.
November 1—4-K Sale, Hutchinson, Kan.
November 6—Lincoln County, Sylvan Grove, Kan.

November 7—Covley County Hereford Breeders' Association Sale, Arkansas City, Kan. Charles H. Cloud, Sale Manager, Winfield, Kan.

November 11—Tonn & Fishburn, Haven, Kan.
November 11—Solomon Valley Hereford Sale, Osborne, Kan.
November 12—Central Kansas Polled Hereford Sale, Herington, Kan.

November 18 and 19—Sunflower Futurity, Hutchinson, Kan.
November 21—Golden Willow Polled Hereford Sale, Pittsburg, Kan.

November 24—ummer County Hereford Breeders' Association Sale, Wellington, Kan. Paul M. Philippi, Secretary-Treasurer, Argonia, Kan.

November 25—Fred Matheson, Natoma, Kan., and Jake Reich & Son, Paradise, Kan. Sale at Natoma.
December 5—South Central Kansas Hereford Association, Newton, Kan. Phil H. Adrain, Sale Manager, Moundridge, Kan.

December 6—A. R. Schlickau & Sons, Haven, Kan.
December 10—B-K Herefords, Longford, Kan. Sale at Minneapolis, Kan.

Polled Hereford Cattle
September 20—Duey & Kilmer, sale at Hebron, Nebr.
October 20—Cowgill Polled Hereford Ranch, Milan, Mo.
November 14—Mid-West Polled Hereford Association Show & Sale, Deshler, Nebr. Fred C. Duey, Manager, Chester, Nebr.

Holstein Cattle
July 23—Leonard Kuhlman, Wells, Kan.
October 8—Kansas State Holstein Association Sale, Herington, Kan. R. L. Evans, Hutchinson, Chairman State Sale Committee.
October 23—Central Kansas Breeders Fall Consignment Sale, Hutchinson, Kan. T. Hobart McVey, Sale Manager, Nickerson, Kan.

October 27—North Central Kansas Holstein Sale, Washington, Kan. Earl N. Phillips, Chairman, Manhattan, Kan.
October 29—Nebraska State Holstein Association Sale, Lincoln, Nebr. Robt. Koehler, Fremont, Secretary. T. Hobart McVay, Sale Manager, Nickerson, Kan.

Jersey Cattle
September 1—Missouri Jersey Cattle Club, St. Joseph, Mo. Ivan N. Gates, Sales Manager, West Liberty, Iowa.

Red Poll Cattle
September 24—G. W. Locke, Burns, Kan.

Shorthorn Cattle
August 26—Earl E. Stoffer, Abilene, Kan.
October 31—Mid-Kansas Shorthorn Breeders Show and Sale, Salina, Kan. Mervin Aegerter, Sale Manager, Seward, Nebr.

November 6—State Polled Shorthorn Sale, Hutchinson, Kan.
November 7—State Shorthorn Sale, Hutchinson, Kan.

Poland China Hogs
October 20—C. R. Rowe & Sons, Scranton, Kan.
Hampshire Hogs
October 21—C. E. McClure Republic, Kan. (night sale), Belleville fairgrounds.

Sheep
August 11—Annual Polled Hampshire and Suffolk ram and ewe sale. Beau Geste Farms, Oskaloosa, Ia.

CLOSING OUT SALE

WILL SELL
Cattle, Complete Line of Farm Machinery and 160-acre Improved Farm
WEDNESDAY, JULY 23rd
10:30 A. M.

LEONARD KUHLMAN, WELLS, KANSAS
10 miles east of Minneapolis, Kansas

FARM MACHINERY
John Deere Field Chopper and Blower complete with wagons
2 Tractors
2 Plows
1 Combine
1 One-Way
16/8 Van Brun Drill
160-ACRE CREEK BOTTOM FARM

Carl A. Reh, Owner, Bennington, Kansas
Located 10 miles east of Minneapolis on county road.
8-room bungalow with basement and bath, electricity and good water. Barn, granary, chicken houses and garage. New Dodson silo. 80 acres of crop land; 80 acres in pasture. Possession given immediately. Land sale between machinery and cattle.



Your Choice of Our Best HAMPSHIRE

Some 30 head of growthy, thick, close to the ground, registered yearlings. The best of bloodlines for commercial or purebred flocks, 25th year.

DRUMM FARM, Independence, Missouri
Rt. 4, 12 miles east of Kansas City Stockyards

Beef CATTLE

Established in 1907
BANBURY'S HORNLESS SHORTHORNS
Senior herd sire Cherry Hill Hallmark, third in get of sire at Kansas State Fair in 1950. Scotch blood through Royal Clipper. For sale some of the choice of the herd. 20 young bulls and 20 young females. Some will be at the Kansas State Fair, Calfhood vaccinated.
9 miles southwest of Hutchinson, then 14 miles west on blacktop road.
J. C. BANBURY & SONS
Plevna, Kansas

SCOTCH SHORTHORNS
Bulls for sale: Dark roan and reds, 8 to 16 months old. You will like the calves by our Tri-State Champion M V Prince Peter 15th. Watch for them at the fall fairs.
GLENN E. LACY & SON, Miltonvale, Kan.

We are offering 12 Polled Shorthorn BULLS
for sale from 8 to 15 months of age. Good colors, outstanding individuals, and excellent pedigrees. Sired by Oakwood Senator x, and Gold Closter 33rd x.
LOVE & LOVE, Partridge, Kansas

POLLED SHORTHORNS
Three Red Bulls, 12 months old by Coronet Avon
WALTER HUFFMAN, Yates Center, Kan.

REG. HEREFORD BULLS
10 to 18 months old. Sired by: OJR Jupiter Star 12th, Domino Lad KTO 11th and F. Elation 22. Top range and herd bull prospects.
WAITE BROS., Winfield, Kansas

REG. ANGUS Cows and Heifers for sale. Bred to or sired by Tri E Eric of Sunbeam.
CHESTNUT & RAILSBACK, Quinter, Kansas

BERT POWELL
AUCTIONEER
LIVESTOCK AND REAL ESTATE
1529 Plass Avenue Topeka, Kan.

Beef CATTLE

20 Polled Hereford Bulls
Sired by polled sons of C. K. Cadet

Bloodlines intensely polled from 40 years of constructive breeding. 12 months to serviceable-age bulls offered. Priced reasonably.

GOERNANDT BROS.
Ames (near Concordia), Kansas

REGISTERED
POLLED HEREFORD BULL
Sired by WHR Leskan 2d. 5 head of purebred Polled Hereford Cows, will calve in August.
D. W. RODDY, Rt. 2, Valley Center, Kansas

Featuring these top herd sires.
CK CRUSTY 70TH
bred by CK Ranch, Brookville, half-brother to 1951 American Royal Champion.

CK ROYAL DUKE 3RD
bred by CK Ranch

P. ROYAL DUKE 7TH
bred by Parcel Herefords, Coldwater, grand champion bull at the 1948 Kansas State Sale. A number of his heifers are being retained in the herd.

Visitors are welcome to see the Get and Service of these bulls.

STRAIGHT CREEK FARMS, Whiting, Kan.
JOHN W. SPENCER, Owner

BEEF CATTLE
POLLED SHORTHORN—For Sale both Bulls and Females. Well bred, properly marked and good individuals. Bang's vaccinated. Ready to go out and do good for their new owners. Come see our herd before you buy.
HARRY BIRD & SONS, Albert, Kansas

Here Is Low Cost Advertising! ONLY 10c A WORD

Kansas Farmer has 118,311 subscribers, and reaches an average of over four out of every five farm homes in the state. It is printed twice each month on the first and third Saturday. The Classified rates are:

Regular Classified—10c a word (12 words Minimum)
Display Classified—\$9.80 a column inch
\$4.90 a half inch

(Black Face Type used in these ads but no cuts)

Mail your ad to

KANSAS FARMER
912 Kansas Avenue Topeka, Kansas



THE TANK TRUCK



COLLEGE OF LIBRARY
JUL 9 1952
MANHATTAN



W. S. Walker, manager of Bar-Walk Farms, Inc., says this is the right kind of a Hampshire sow to produce a profitable litter of "good-doing" pigs.



Bar-Walk's Grand Champion Boar, State Fair of Texas. Mr. Walker says he uses quality feeds for his animals, and quality petroleum products for his farm machinery. That's Conoco, of course!

Hams from Prize Hampshires!

PIGS FROM THE Bar-Walk Farms near Burseson, Texas, are running all over North America and some parts of South America! But that's not because W. S. Walker, manager of the farms, doesn't keep his fences up.

Bar-Walk Farms, Inc., have been raising

hogs for many years. In 1943, they started their herd of pure-bred Hampshires... won six ribbons with five animals at one Fat Stock Show, and have established Grand Champion boars and sows at both the Texas and Louisiana State Fairs.

Customers are North American farmers and commercial hog breeders. Bar-Walk also ships breeding stock to Venezuela, Colombia and Ecuador. Mr. Walker himself has made several trips "south of the border" to help the foreign farmers start their herds. Seed stock for these new herds are shipped by commercial airlines!

"We use quality feeds in our herd operations," Mr. Walker reports, "and a quality

motor oil for our various types of machinery and trucks. Conoco motor oil has *always* given us quick starting equipment, and a minimum of repair costs.

"The new Conoco Super Motor Oil is doing an even better job... which I did not think possible!"

Yes, Mr. Walker... the new Conoco Super Motor Oil is even better! It's like winning a cash prize, when you change to Conoco farm products, because you cut down repair bills... reduce operating costs... and have equipment that lasts longer and performs better. Why not call Your Conoco Man for a drum of Conoco Super Motor Oil and some of the other farm products, today?

Tomato Soup Cake!



... by Mrs. Earl Tyree, Bridger, Montana

- | | |
|---------------------|-----------------------------|
| 2 cups sifted flour | 1/2 cup shortening |
| 1 t. baking soda | 1 cup sugar |
| 1 t. cinnamon | 1 cup chopped nuts |
| 2 t. baking powder | 1 cup raisins |
| 1/2 t. cloves | 1 cup condensed tomato soup |
| 1 t. nutmeg | |

Sift flour, soda, baking powder, and spices together three times. Cream shortening with sugar until fluffy. Add sifted dry ingredients and tomato soup, alternately in small amounts, beating thoroughly after each addition. Stir in nuts and raisins. Pour into a greased tube or loaf pan. Bake in 350° oven for 50 to 60 minutes. Let stand 24 hours before cutting. Frost with cream cheese frosting.

Shears for Recipes!

Send your favorite recipes to Mrs. Annie Lee Wheeler, Dep't E, Conoco Cafeteria, Ponca City, Okla. A \$7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

Why a "Heavy Duty" Oil?

When your tractor is plowing or doing other heavy duty work, the engine operates at very high temperatures, and gummy resins are formed. So you need the "cleaning" action of a "heavy duty", detergent oil to keep the resins from being deposited as lacquer on rings and pistons. On the other hand, even when your tractor is doing light work like powering a hammermill, you still need a heavy duty oil. And here's why: Because your engine is running cool, moisture condenses and, because fuel is not completely burned up, a gummy residue forms inside your engine. The heavy duty detergents in Conoco HD oil and Conoco Super Motor Oil disperse moisture, stop the accumulation of sludge, and prevent ring sticking. Remember—they're both Heavy Duty—will keep your engine new and clean.

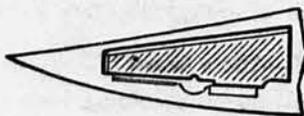


"Making a living at hay baling and commercial trucking is no snap, even without breakdowns. I sure count on Conoco Super Motor Oil to help keep my equipment rolling and hold operating costs to a minimum," says Merle Grube, Ashton, Idaho.

"This will be the fifth season for one of my tractors without a dime for repairs. I've always been an exclusive user of Conoco Products," reports J. W. Williams, Rye, Colorado.



Non-Clog Shoe!



To prevent sickle from choking and dragging bunches of grass, do this: Cover hole in outside shoe of mowing machine with heavy metal plate. Rivet or lock washer on. Fit so sickle passes under easily. Bevel top and sides. Suggested by C. D. Haus, Iberia, Missouri.

Auger Pit!

To make a fine auger pit for unloading threshed grain, place an old tractor tire, with bead removed, on a small piece of canvas. Floyd Miller, Gurley, Nebraska, says it won't break and is easy to move.



SAWS FOR IDEAS!

Send your original ideas to *The Tank Truck*, Dep't E, Continental Oil Company, Ponca City, Okla., and get a genuine \$10.25 D-15 Henry Disston Hand Saw for every idea that's printed.



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