

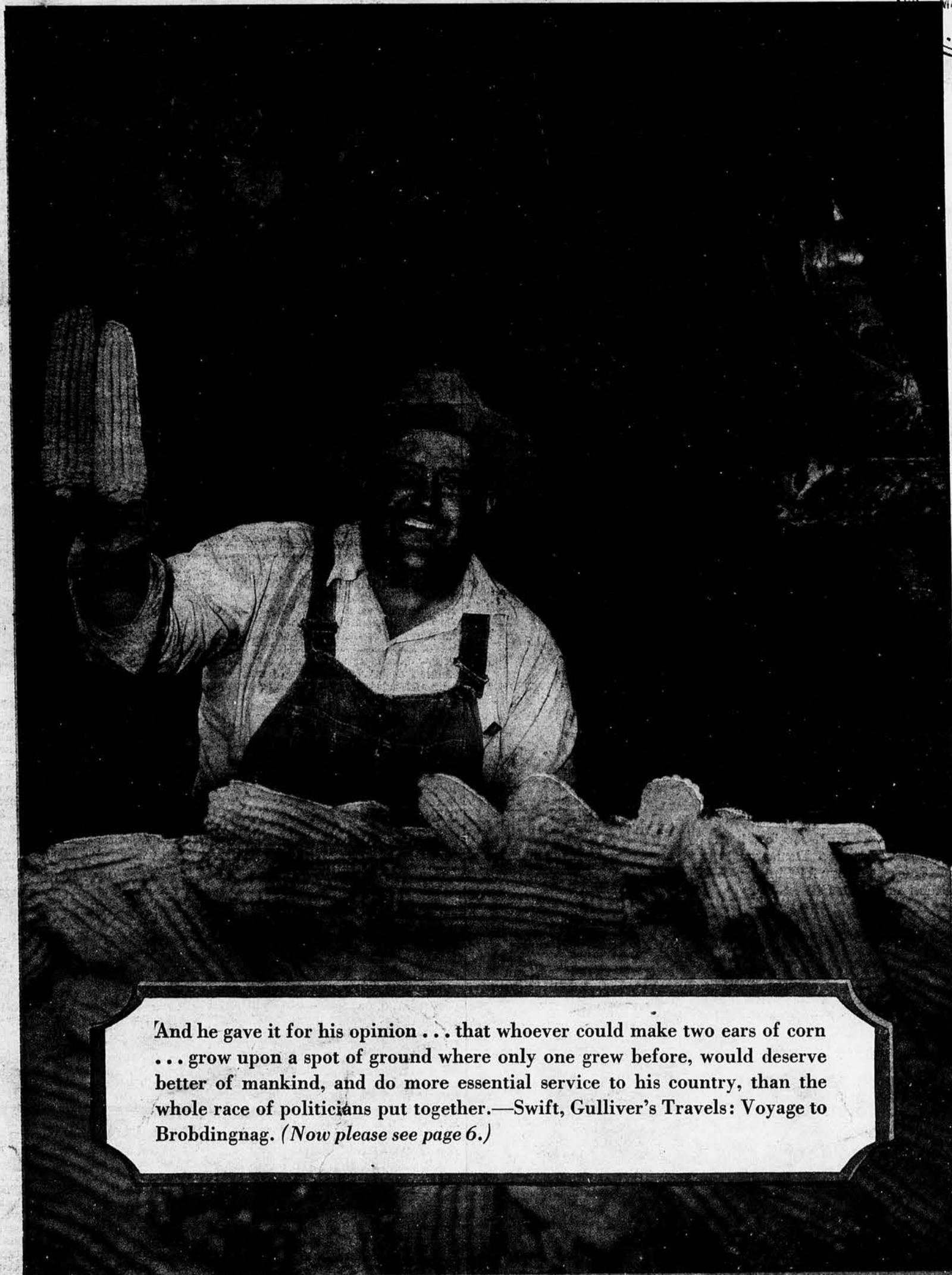
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Kansas Farmer

CONTINUING MAIL & BREEZE

NOVEMBER 5, 1949



And he gave it for his opinion . . . that whoever could make two ears of corn . . . grow upon a spot of ground where only one grew before, would deserve better of mankind, and do more essential service to his country, than the whole race of politicians put together.—Swift, Gulliver's Travels: Voyage to Brobdingnag. (Now please see page 6.)

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"Here's Where My Money Is!"

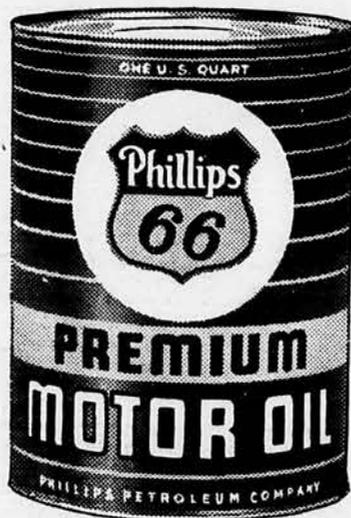


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Good All the Way Thru

Dear Editor: I noticed in Kansas Farmer the story of the egg with triple yolks. One day last week I broke a large egg which contained 3 yolks, each yolk about the size of the yolk of an ordinary pullet egg. I gave credit for laying the egg to one of my White Leghorn pullets, which will be 6 months old November 5.

I also would like to take this opportunity to tell you how much I have enjoyed "Life in Early Kansas," Evelyn's and Stanley's letters from Europe, also "Thoughts to Live By" which usually is the first thing I read. I never miss Senator Capper's or Cliff Stratton's articles, either. In fact, in looking thru this last issue I thought all 36 pages would be hard to improve upon.—Mrs. J. T. Todd, Arlington.

Letters From Readers

About 3-yolk Eggs, a Map and 1863 Birth Date

Uncle and Aunt

Dear Editor: Historical articles in Kansas Farmer have been enjoyed very much. They meant so much more to me as John and Sarah Everett were my Uncle John and Aunt Sarah. I have heard Uncle John tell of the early days a good many times. I still keep in touch with their only living son, Rev. J. E. Everett, of New York. Thanks a lot for the stories.—Robert A. Everett, Hutchinson.

Hens Fooled Her

Dear Editor: Noticed your article on Mrs. Williams' 3-yolked eggs. I have English-type Leghorns and they started laying eggs at 4 months. By the time they had laid 50 eggs I know we got at least 18 double-yolked eggs and maybe more. I only wish I had kept count. One of those was a perfect 3-yolked egg. I was feeding them mostly grain (whole) as I wanted them more matured before they started laying, but they fooled me and laid anyhow.—Mrs. Aug. Katzer, Anderson county.

Unusual Eggs

Dear Editor: Read your article on 3-yolk egg. We also found a 3-yolk egg the latter part of August which was laid by a 6-months-old New Hampshire pullet. We had been getting several double-yolk eggs every day, and one day an extra-large double egg which turned out to have 3 full-size yolks. I never had heard of such a thing before. A few days later we found a large, soft-shelled egg which when opened contained a white and a full-size, perfect, hard-shelled egg.

Last year we found an unusually large egg and opened it and found a white and another hard-shelled egg and this egg contained a perfect white and yolk and a small, soft-shelled egg containing only a white.—Harold Lahmeyer, Morganville.

Two Eggs in One

Dear Editor: Noticed your note on the triple-yolk egg found by Mr. Williams. New Year's morning of this year, we also found a triple-yolk egg. We were getting a double-yolk egg every 2 or 3 days so we were not surprised at the size of the egg, being as large as a turkey egg, but were very much surprised to find 3 perfect yolks when the egg was broken. This egg was laid by a White Leghorn hen.

Now, one, I believe, will top that one: This year we have Hy-line pullets just starting to lay. Yesterday a pullet laid an egg, double the size of a normal hen egg. We were eager to see if it were a triple-yolk egg. We found an egg within an egg. To explain further, we cracked the egg and found a yolk and white and another egg in its shell, unbroken. This egg was not a small egg but a large pullet egg.—George Holmes, R. 7, Wichita.

An Unusual Map

Dear Editor: Was very much interested in Mrs. Herman Vathauer's letter about her embroidered maps. I have one I made several years ago when my children were small, and they learned a great many things about Kansas history while I made it. It is a map of Kansas embroidered on white cotton material and I called it "Grandfather's Road Map." All the early-day trails, including the Santa Fe Trail, the Oregon Trail, the Old Chisholm Trail, and the Osage Trail were outlined in black

thread. Ox-drawn Conestoga wagons were embroidered on the Santa Fe and Oregon trails, while several long-horned cattle were to be seen on the Chisholm and Osage trails.

The routes taken by Coronado, and Lieutenant Pike and the Lewis and Clark Expedition, which went up the Missouri river and camped near the present site of Atchison in 1804 were outlined in different colored thread. The pony express, the first railroad, the early-day missions and several landmarks including Pawnee Rock, Council Oak, and the first capitol also were outlined.

The territory occupied by the different Indian tribes was marked by several teepees with the tribal name on at least one for each tribe. Several log cabins in the eastern part and a sod house or two for the west, a few buffaloes and a coyote or two completed the map and made a very interesting and decorative modern Sampler.—Mary Harrison, Marysville.

Found Another One

Dear Editor: In reading Kansas Farmer I saw where the lady found a 3-yolk egg, and you would like to hear from anyone else who had found one. We also have the New Hampshire red hens. I found a 3-yolk egg last fall from the pullets, and just the other day I found another one from this year's pullets.

We have 150 pullets and gathered 90 eggs in one day, and 8 of these were double yolk. We enjoy reading your paper.—Mrs. Emit Henningsen, Jewell county.

Three Perfect Yolks

Dear Editor: I read in the October 15 issue of Kansas Farmer about Mrs. Williams' hen laying a 3-yolked egg.

Now I have 50 New Hampshire pullets hatched March 13, and on August 6 one of my pullets layed a very large brown egg. When mother broke it, to our surprise, it contained 3 perfect yolks, just a little smaller than the average yolk. But all 3 of uniform size. Again on September 9, we found another one. I get from 1 to 4 double-yolked eggs every day.

I have my pullets entered in the 4-H Club state egg laying contest for the coming year, so you may hear more about them later.

As perhaps you know, the contest is conducted from Manhattan from October 1, 1949, to October 1, 1950.

I am 17 years old, a freshman in Junior College at Independence, and also am president and council member of the West Cherry Winners 4-H Club in Montgomery county.

My chickens were hatched by J. H. Knoles, of Centralia, Wash., and shipped to me by air express.—Donald Lee Sewell, Cherryvale.

Born in 1863

Dear Editor: I was born June 3, 1863, in Westmoreland, England, and when 13 years old came with my parents to Garnett, Kansas. Have lived here since that time. My niece married J. M. Everett, of Wellsville, nearly 50 years ago. They are both living in the South and are in fairly good health. I am 86 and in rather poor health, a broken hip 2 years ago and eyes rather dim.—William Brownigg, Parker, Kansas.

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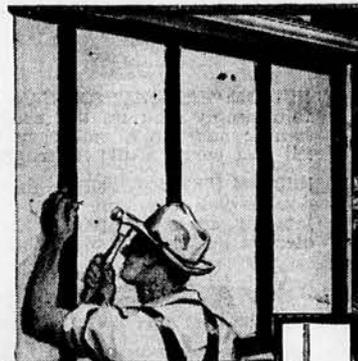
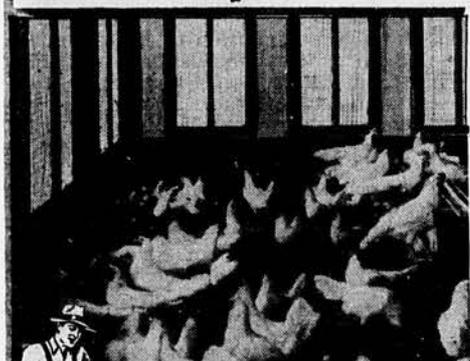
A group of Hiline hens, kept under a Warp Brothers Window Material from September to April, averaged 5 eggs every 6 days . . . all winter long. That's 86% egg production . . . a near record . . . in an unheated hen house, too.

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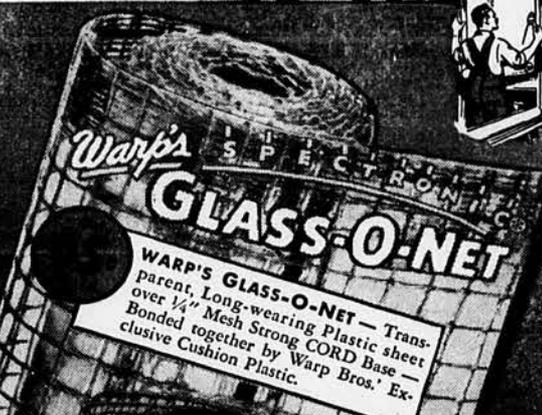
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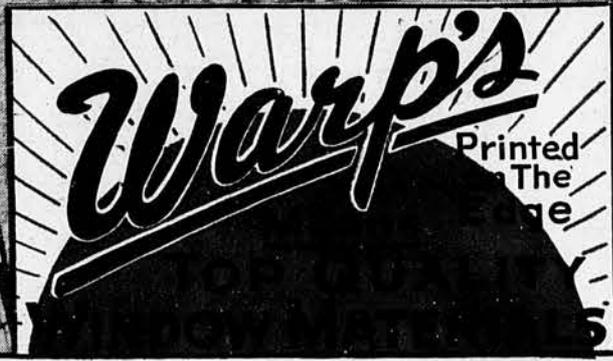
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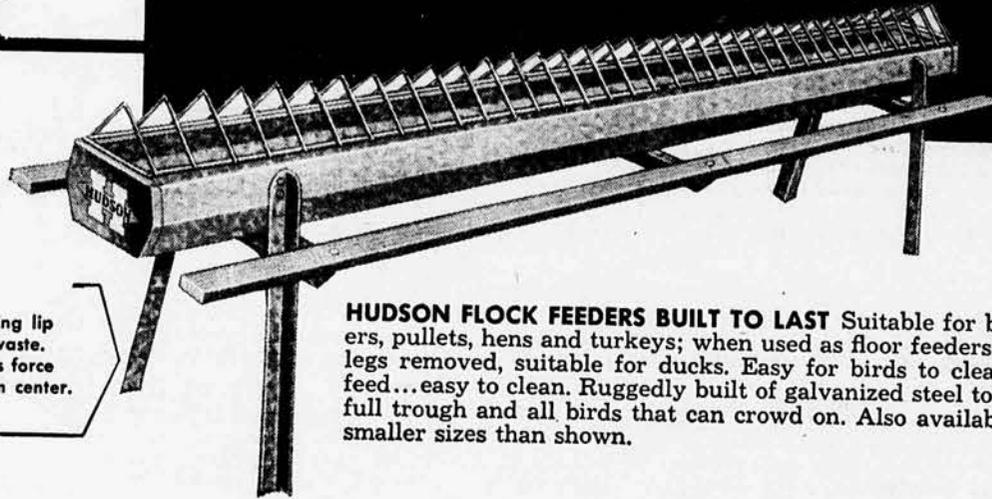
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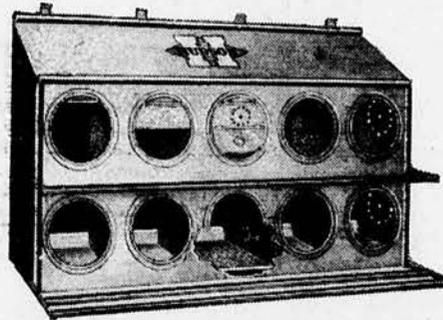
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HUDSON "EASY-FILL" FOUNTAIN (left) To fill this fountain simply flick up the hooks, remove pan, reverse handle and it's a pail—easy to clean—and handy to fill and carry. Built for rugged service.



HUDSON LEKTRIK-FOUNT (right) Famous Hudson 5 gal. double-wall fountain with patented air-groove that lets air enter fountain without gushing. Automatic electric heater with thermostatic control in base.



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HUDSON OIL FOUNTAIN HEATER (left) Galvanized steel, doubled-seamed into one piece. Offset holes let in air without drafts; keep chaff, litter, long straw from flame. Sixty-hour fuel bowl.



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Unexpected Results

JUST what you would expect. That very often is the result of soil tests. But unexpected results also step into the picture, according to Wilbur W. Duitsman, Brown county agent.

Brown is one of the first 6 counties in Kansas to have a complete soil-testing laboratory.

Soil in the northeast corner of the state generally is regarded as some of our best. But from the first 150 samples tested, Mr. Duitsman reports the majority were low in phosphate. Some were very low with only 12 to 15 pounds of available phosphorus, where between 100 and 150 pounds appear in a soil with adequate phosphorus for legumes.

Of course, as Mr. Duitsman points out, first soils to be tested usually are the troublemakers. For that reason the first 150 samples may not truly represent soils in Brown county.

Potash level in nearly all tests made was sufficiently high. About 95 per cent of the soils showed a deficiency of lime. In general, organic matter content of the soils is high where a good rotation has been used. But where good rotations have been practiced, lime and phosphorus levels drop lower than average. Pastures in the county, according to early tests, show a phosphorus deficiency.

Prevents an Error

Mr. Duitsman cites one example where soil tests helped him make a better recommendation for fertilizer use. Soil samples were brought to the laboratory from the Joe Koeltiker farm. From the basis of fertility test plots in the community and from fertilizer results on neighboring farms, Mr. Duitsman says he would have made a general recommendation of 60 pounds of 45 per cent phosphate for grains. For alfalfa he would have stepped up the recommendation to 125 pounds of 45 per cent superphosphate and about 2 tons of lime.

Actually soil tests showed the recommendation would have been wrong. The soil was neutral. No lime was required. The phosphorus level was above 200 pounds, meaning no phosphate was required as fertilizer. Potash, too, was very high.

What the soil test revealed was a low organic matter percentage. Needed for good crop production was nitrate fertilizer and more legumes in rotation.

In Proved-Sire Lead

Wisconsin led all other states in number of dairy sires proved thru dairy-herd improvement associations in 1948, reports USDA. Of 4,887 sires proved, Wisconsin had 832. New York state was second, Pennsylvania third, and Iowa fourth.

Only 720 of these proved sires are known to be living. There were 2,541 of the proved sires that maintained or increased the milk and butterfat output of their daughters over the respective dams. Decreased production was noted with 2,346 sires.

Senator Capper on Radio

Every Sunday afternoon at 3:30 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

KANSAS FARMER

Continuing Mail & Breeze

Topeka, Kansas

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Kansas Farmers Are Inventors

By CHARLES HOWES

KANSAS manufacturers and inventors had their wares under close scrutiny of thousands of Kansans last month in Wichita. It was the third annual Kansas Manufacturers Show with a predominance of items made for farmers.

The spotlight was on inventions of Kansas people, ideas to improve many things already in operation on Kansas farms and in Kansas manufacturing plants. By the time next year's show rolls around it is fully expected many of these inventions will be on the market, perhaps in full production.

For instance, from Great Bend came Norman Gagelman, Route 4, to show his idea on electric-fence clips. Designed to fit round, angle and "T" posts, these clips adjust the height of wire fence by a one-handed manipulation that, says Gagelman, makes no gates necessary.

The North Welding Service, in Arnold, displayed a new chaff raiser for all combines. According to claims it directs an air blast upward thru the chaffer to raise the chaff so the air blast from the fan will not blow grain out the rear of the separator. This allows greater combine speed, it is promised.

For Terracing Job

In the terracing field, a design shown by Calvin Cooley, Lawrence, and Boyd Davies, Pratt, emphasizes portability and greater volume at less cost. One model is planned around a 30-40-horsepower tractor, an item which they claim is ideal for small fields. They have a model for small 2-plow tractors as well as a 60-horsepower machine.

L. R. Provost, Shawnee, exhibited a grass-collector attachment for power lawnmowers, an item made of combine canvas which raised clippings and deposited them in the collector. The Wegele Mower Company, Otis, presented a riding mower with a spring-steel blade. The device uses 3 horsepower and claims a constant cutter speed.

A metal building siding on the interlocking principle was displayed under the name Kruckenberg. There also was a sectional extension ladder made of aircraft metal tube with welded rungs. The sections fit together to make a stepladder of varying heights.

The Frank self-closing gate presents

a new principle in yard gates. The extra-wide gate is hinged in the middle on a metal tube and suspended from the overhead brace by light chains on either side of the center. Slight pressure on either side will cause the gate to swing open. A U-shaped fastener near the ground secures the gate but frees it with a touch of the foot. This invention comes from Anthony.

A self-locking chain-hoist trailer was exhibited by K. O. Huff, of Dodge City. The device was designed to permit one man to load and move heavy farm implements. Also in the one-man field was a rotary snow plow presented by Allen T. Kear, of Goodland. Its first appearance was reminiscent of another power mower.

Many Kansas Exhibits

In the automotive field, the Tilson Safety Chuck, displayed by Tilson Brothers, of Ulysses, and the Dim-O-Matic, an electric-eye light dimmer for automobiles, led the field. Nick Dellere, Topeka, claimed the latter invention. There were 2 new hitches in the show and a portable grease rig. Together with the exhibits of hundreds of Kansas manufacturers, Kansans were able to get the idea that it is not necessary to leave the state in order to fill many farm needs. These exhibits included the following:

- Beech Aircraft Corp., Wichita.
- Boeing Aircraft Corp., Wichita.
- Carey Salt Co., Hutchinson.
- Coleman Co., Inc., Wichita.
- Dodson Mfg. Co., Wichita.
- General Motors Corp., Kansas City.
- Insul-Wool Machinery Mfg. Co., Wichita.
- Interlocking Stave Silo Co., Wichita.
- Kansas Gas & Electric Co., Wichita.
- Krause Plow Corp., Hutchinson.
- Phillips Petroleum Co., Wichita.
- Santa Fe Railway Co., Topeka.
- Socony-Vacuum Oil Co., Inc., Augusta.
- Spencer Chemical Co., Pittsburg.
- Standard Oil Co., Inc., Wichita.
- Shaw Mfg. Co., Galesburg.

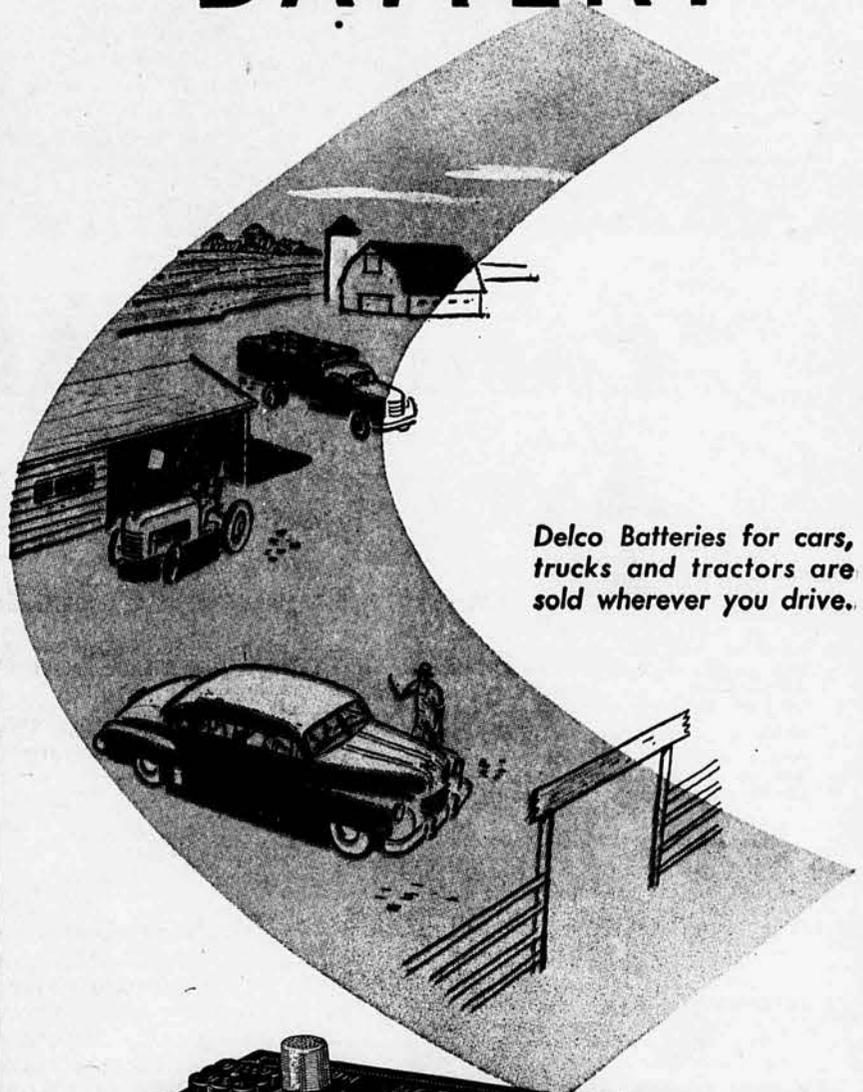
The show was officially opened October 18 by Deane Ackers, Topeka, chairman of the Kansas Industrial Development Commission, and president of the Kansas Power and Light Co. Mr. Ackers wielded a cutting torch to sever a chain stretched across the main entrance to Wichita's Forum. Warren Blazier, Beech Aircraft Corp., was chairman of the 1949 show, which was a success in every way.



Official opening of the Kansas Manufacturers Show in Wichita, October 18 to 23, was achieved by cutting a chain stretched across the main entrance to the Forum exhibition hall. Holding the cutting torch is Deane Ackers, chairman of the Kansas Industrial Development Commission, sponsoring organization. Assisting him is W. Glen Saunders, steamfitter who set up the equipment. On the left is Warren Blazier, president of the show, and an official of Beech Aircraft Corp. Ackers is president of the Kansas Power and Light Co., Topeka.

Replace with a

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Left: Ed McMaster, who operates the corn picker for Clyde Rogers, Rossville, is pulling a tip-top load of corn behind the picker here. Alfalfa is used in rotation on the Rogers farm.

Corn Well Above Average

By Ed Rupp

**Despite European Corn Borer,
Southwestern Corn Borer, Root Rots,
Stalk Rots and Erratic Weather**

CORN is good in Kansas this year. As mechanical pickers followed the rows of brown stalks, big ears were dropping into the wagons pulled along behind. And once more yields up to and even above 100 bushels an acre were being shucked out.

Rains thru the growing season, even in the better corn areas, were slightly erratic. Plenty of rain and well spaced in one part of the county. At the same time, small drouths were recorded during summer in another area only 10 or 15 miles away.

In areas where rains were uncertain, yields are down somewhat over last year. Also helping to depress yields over the state this year was the European corn borer.

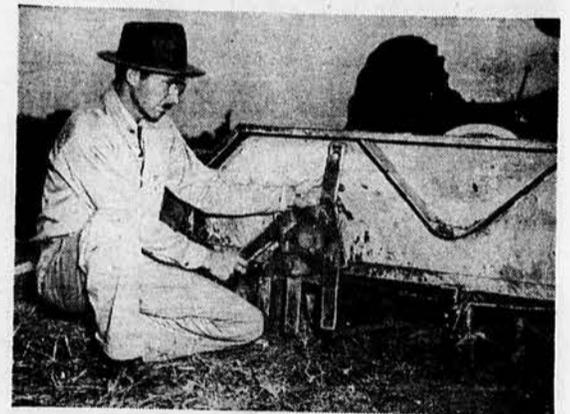
How much corn this year? Well, Hubert L. Collins, federal-state statistician, estimated a total yield of 69,328,000 bushels. Less than last year's big yield of 81,304,000 bushels. But well above the average for the 10 years from 1938 to 1947. That average yield was 61,169,000 bushels.

This year's fall estimate was the same as the late summer esti- [Continued on Page 20]

Below: Wilbur Winter and his father, Will Winter, hold sample ears of corn taken from their farm. Fertilizer is used on small grain and red clover is plowed under for corn. They limit corn to 2 successive years in the rotation. That's how they get those 70- 80- and 90-bushel yields.



Above: While waiting for corn in fields to dry, Lawrence Sabbert, left, Brown county, and son, Marvin, clean red clover seed in preparation for spring seeding. Clover in rotation helps make good corn yields.



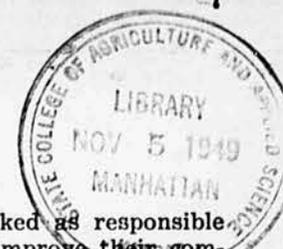
Above: Corn shredders are being demonstrated in many fields over Kansas this fall. This shredder was being operated on the Joe Parr farm, Rossville. Russell Campbell, Omaha, demonstrated it.



Above: This photo shows what the new shredders will do to cornstalks. Stalks in foreground have been shredded. Corn has been picked from rows in background. And a few rows remain standing in the far background. Shredders work best in dry stalks.

Farm Matters

AS I SEE THEM



I NOTED with interest one morning this week what Ovid Martin had to say in summarizing the 1950 outlook report of the Bureau of Agricultural Economics, Department of Agriculture.

Ovid Martin is head of the Associated Press Bureau covering the Department of Agriculture. During the ten years or so that Ovid has handled news for the Associated Press out of the Department, I have come to have a great respect for his ability as a reporter and his capacity as a farm analyst.

We in Kansas first became acquainted with Mr. Martin when he was head of the Associated Press Bureau in Topeka, back in the middle 'Thirties. He qualified then as an accurate and live reporter, and since has more than lived up to the reputation he made here in Kansas.

"The early-bird Bureau of Economics tonight peered far ahead in 1950 and said," Mr. Martin notes:

"A further slight reduction in economic activity and a relatively slow decline in prices appear likely."

Amplifying, the Outlook Report puts it this way:

"Another year of fairly high demand for most farm products appears to be in prospect for 1950, but the downward trend in Agricultural prices and income underway in 1949 is likely to continue thru next year. Both prices received by farmers (per units of commodities that is) and cash receipts from farming for 1950 may average about 10 per cent below this year."

Farm costs, barring changes in the general level of business activity and prices due to a changing international situation and United States expenditures at home and abroad for military and economic purposes, are expected by the BAE to decline only about 3 per cent.

Farm prices received are declining faster now than prices paid by farmers. That happens after every war. It is just one of those things farmers have to take into account.

From another source comes some comment much in line with what I have been expecting, and predicting, as a result of conflicting foreign and domestic policies affecting agriculture.

Under the provisions of the reciprocal trade agreements act, President Truman and the State Department have lowered U. S. tariff rates on imported agricultural products, such as butter, potatoes, so that more of these products can enter the United States from abroad.

At the same time the Department of Agriculture is buying up hundreds of millions of pounds of the same products produced by American farmers, taking them off the market to hold up prices.

Those two policies, lowering tariffs to allow more butter and potatoes to be imported into the United States, and then buying up domestic production to hold up prices, seems to be contradictory. In other words, they don't seem to make sense.

They seem to be part and parcel, however, of a "broad general policy" of encouraging imports into the United States in order to sustain European economies. Due to war and other causes—many of which causes helped to bring

about World War II—major European countries have lost the markets for their own production in other parts of the world.

The American market, biggest and best supplied with buying power of any in the world, is supposed to take the place of the colonial markets lost to western European countries in the past few years.

That may be all right, if not carried too far. But I hope that Washington does not become so obsessed with providing producers in other countries with American markets for their goods, that it cuts down the American market for American-produced goods to such an extent that the real purchasing power of the American market is unduly reduced.

The Bureau of Agricultural Economics also calls attention to a change in American eating habits. The "per capita" American is eating more butter, cheese, eggs and fresh vegetables this year than last. And, correspondingly, smaller quantities of most other foods.

Congratulations to 4-H'ers

I AM glad to call your attention to the fact that November 5 to 13 is National 4-H Club Achievement Week. The theme stressed this particular week, according to J. Harold Johnson, state club leader, will be "Better Living for a Better World." I know, from close association with 4-H Club folks, that such a goal is constantly before them. Look around you in your community and see what 4-H Club work has accomplished. Can you find a finer, more intelligent, more alert group of people anywhere than 4-H'ers? They are wonderful folks in a great organization.

Did you realize that more than 14 million rural young people have participated in 4-H Club work at some time? Right now nearly 2 million rural boys and girls are carrying on 4-H projects. During the past year, which was a record year for 4-H Club work, these 4-H members in 82,000 4-H Clubs under the guidance of 225,000 local volunteer leaders did a remarkably fine job from producing food to saving lives.

Checking on a few of the highlights I find they made their homes more attractive and livable. In food planning, preparation and serving, some 30 million meals were served to their families by 4-H members. Nimble fingers and alert minds of 4-H girls combined to make 2,200,000 garments in their clothing projects.

4-H'ers made their homes and farms more efficient and profitable thru their work. As an example of this, 500,000 participated in farm accident protection. More than 350,000 conducted soil and wild life conservation practices. Some 275,000 kept personal and farm accounts.

These fine young people improved their own health and co-operated in improving health conditions in their homes and communities. As a proof of this, 650,000 carried on special health activities; 250,000 had periodic health examinations, and a total of 240,000 trained in home nursing and first aid.

They worked as responsible citizens to improve their communities. They did much to help those in distress, victims of polio, floods and earthquakes; 210,000 carried on recreational activities; 55,000 served as junior leaders; 45,000 engaged in community activities such as improving public grounds and conducting local fairs.

Also, 4-H Club members across the nation gained a better understanding of their responsibilities in the world of today. As an example of this, they sent needed supplies to the less fortunate across the sea. These gifts, numbering into thousands of packages, included food, clothing, garden seed, and equipment of various types. They corresponded with many of those to whom the gifts were sent. And a few representative 4-H Club members helped in the homes and on the farms of people in other countries.

During this National 4-H Week in Kansas 4-H members will be doing many things, not only as individuals, but as clubs and whole county groups. They will be sending 4-H stories to editors of your local papers on work they have done during the past year. They will be arranging window displays in local stores and banks. They will be giving radio broadcasts telling about outstanding achievements of local 4-H members, as well as the extent of the national and international 4-H work of today. They will be making membership appeals designed to reach more young people with the 4-H program. They will be co-operating with church and schools as they have in the past. Of course, many counties will be holding annual 4-H achievement banquets.

Naturally, figures for this year are not yet complete. But just to give an idea of the importance of 4-H Club work in Kansas, let me note here a very few from last year. During the report year of 1948, there were 13,254 boys and 13,478 girls enrolled in our 4-H Club work. These 26,732 members belonged to 1,287 clubs in all 105 counties in Kansas. They had 54,917 projects which were valued at \$5,398,229. They showed a total profit in their projects of \$2,667,937. Highest counties in membership were Sedgwick, with 998, Cowley 722 and Shawnee with 688.

I know this information, and any contacts you have with 4-H Club members during this next week, will give you a healthy respect for this great organization. It is a tremendously important force in developing the most dependable kind of citizenship and leadership for our state and our Nation. I heartily congratulate our 4-H Club leaders on the fine progress they have made thru the years. I want to particularly commend the work of the volunteers who are local leaders; you more than anyone else are responsible for the outstanding success of 4-H Club work. And to all 4-H Club members, I wish to extend sincere wishes for continued success. I hope each one of you will be able to bring at least one more member into club work for next year.

Arthur Capper
Topeka.

What "Compromise" Price Supports Offer

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

WASHINGTON, D. C.—Senate and House conferees seem to believe they worked out—and the 81st Congress accepted just before the rush for home last month started—a compromise on farm price supports that is flexible, but not too flexible; rigid, but not too rigid; costly, but not too costly; adequate, but not too adequate; not altogether popular, but not too unpopular. And one that will allow everyone to

campaign about it next year in the Congressional elections.

As soon as the compromise was agreed to, Congress fled Washington. Secretary of Agriculture Brannan will continue touring the country in sup-

port of the Brannan substitute for the farm support price program.

In summary, the Brannan Plan would promise farmers a cash income at levels about 15 per cent below the high 1947 level. The Secretary could use loans and direct purchases to sup-

port prices on the basic commodities, plus a few non-basic non-perishable (and storable) commodities. He also could use direct "production" payments—Treasury checks to individual farmers—to bring their annual incomes up to the promised levels. Perishable commodities would be allowed to seek market levels in accordance with supply and demand. The program
(Continued on Page 22)

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Garden Work Isn't Over

By WILLIAM G. AMSTEIN, Kansas State College

MANY farm gardeners encounter trouble from one or more soil-infesting pests such as nematodes. These serve to cut yields and in some cases result in complete crop failure.

In the garden if the plants are yellowed in summer and stunted, an examination of the roots often will show a large number of gall-size swellings. This condition is more noticeable in a hot, dry spell giving many folks the impression that dry weather is causing the trouble.

At times these nematode losses can be prevented or reduced by changing crop locations by rotations or some similar device. However, for many plant growers and gardeners there is no alternate location that is satisfactory. Therefore some type of soil treatment for nematodes becomes necessary.

During the last 5 to 10 years several fairly inexpensive chemicals capable of handling these pests have been developed, together with practical methods of treating. It now is possible to treat large outdoor areas infested with nematodes or wireworms at a cost which a home gardener or market gardener can usually justify. These soil fumigants kill by means of volatile fumes which are dissolved several inches thru the soil around each point of application of injection.

Use Ahead of Crop

Most chemicals used contain materials toxic to plant life. Therefore, treatment should be applied before the crop is started. In addition, 2 or 3 weeks should be allowed to permit the toxic fumes to escape so that planting can be safely done without loss from the treatment.

Best-known soil fumigants contain either chlorine or bromine. Some of the products more commonly used are chloropicrin sold as such or as "Larvacide"; "DD" mixture or "Dowfume N"; ethylene dibromide mixtures of several strengths sold under trade names such as "Garden Dowfume," "Dowfume W-40," "Isobrome D," "Bromofume" and "Soilfume" and then methyl bromide products either in solution or pure, sold under trade names such as "Dowfume G," and "Isobrome." Some of these products have been used in many localities.

Chloropicrin, known as tear gas in connection with its World War I use, has given as good control of root-knot nematode as any material. Three drawbacks to use of chloropicrin are: 1. High cost, 2. corrosive action on human skin and metals, 3. vapor kills any plants in the vicinity. Extreme care is needed in using this material. A gas mask should be worn in treating any enclosed area such as a greenhouse.

During World War II, allyl alcohol was made in large quantities as one step in the manufacture of plastics from petroleum. A by-product of this process called "DD Mixture" was found effective in handling root-knot nematodes at less cost than the other materials. "DD Mixture" and "Dowfume N" do not handle as wide a variety of pests and have little effect on fungus diseases. However, root-knot control has been excellent.

Ethylene dibromide fumigants in various combinations, such as Garden Dowfume, Bromofume, Isobrome, Soilfume, and Dowfume, are sold in various strengths under these trade names. Results in soil nematode control with these materials have been extra good with the cost much less than with many other products available.

Methyl bromide has been widely used to eliminate insect pests from stored food products. The 2 trade-name soil fumigants of this type, Dowfume G and Isobrome, can be used within a foot of many growing plants without injury. This material can be used with less time lost after treatment before plantings can be made without injury.

In market garden areas, where the land is outstanding in vegetable production value, it seems that spending \$40 to \$65 an acre for soil fumigation is justified. Smaller areas in home gardens likewise could be treated to good advantage. Many home garden locations are on the best-adapted area. To move the garden to another spot would often bring up some disadvantages. In these cases treatment is certainly justified. This is the season of the year when treatment is most practical.

Old Stuff

Killing weeds with chemicals is not so new, reports Dr. Karl Quisenberry of the U. S. Department of Agriculture. It was the sudden widespread development and use of 2,4-D and other hormone-like plant growth regulators that produced the impression that here was a brand-new chemical tool.

"As a matter of fact," said Quisenberry, "more than 50 years ago research workers in France, Germany, and this country had found that copper salts could be used to destroy broad-leaf weeds in grain crops. Other chemicals were investigated then, but interest lagged because of various factors, principally the lack of adequate spraying equipment.

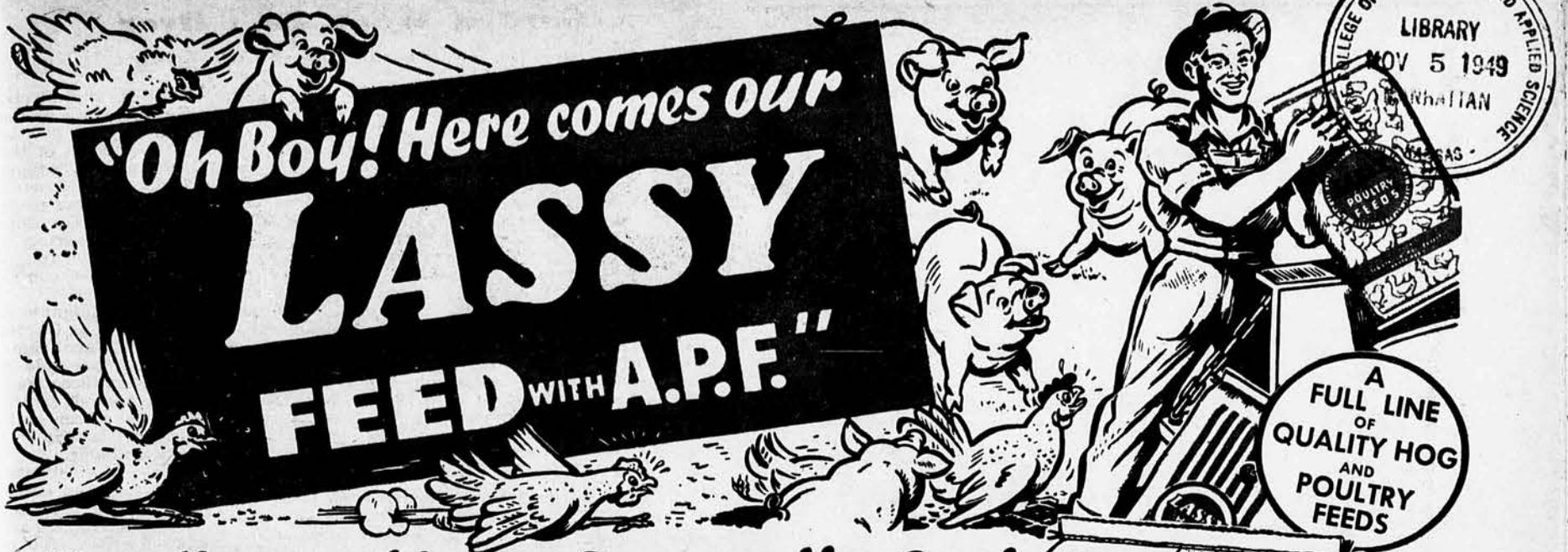
"In 1925, accident revealed that sodium chlorate was effective in killing perennial weeds and for a time 15,000,000 pounds of it was used per year."

But, new or old, even wider usage of chemical aids in crop production can be expected in future years. We now have equipment to do the job.

GRANDMA . . . By Charles Kuhn



CHAS KUHN



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Yes—a pair of these lovely gleaming silver-plated spoons—all packed and ready to mail to each of our friends! Our own exclusive Sharon pattern of silverware by one of America's largest silversmiths. A remarkable Value! Both spoons are yours for only 25c in coin and a tag from a 100 lb. bag or two tags from 50 lb. bags of LASSY hog or poultry feed. Mail to SCHREIBER MILLS, INC., St. Joseph, Mo.

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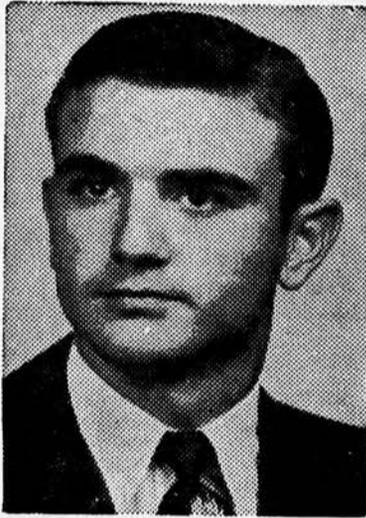
Farming in Switzerland

By STANLEY MEINEN

Here is another letter from Stanley Meinen, one of our Kansas 4-H'ers spending several weeks with farm families in Switzerland. His home is at Ruleton.

DEAR Mr. Gilkeson: It hardly seems possible it already is October. To me it only seems like yesterday I set foot on this soil and began an experience I shall never forget. Yes my dreams have really come true, being able to work in a foreign country and see how other people live, work and play.

For the last 2 months I have worked on farms in the "plains" of Switzerland. This land, with many small, colorful fields splashed about the rolling hills,



Stanley Meinen

is by far different than the tremendous plains of Western Kansas. Here there are no wide-open spaces, but instead numerous villages, farms and small patches of forest with their tall, straight evergreens reaching toward the heavens. From here I can see the spacious mountain peaks, the pride of the Swiss. I don't believe there is a Swiss person who can't name at least a dozen different peaks. In fact, one of the farmers would take time out every clear day to name the mountains from the Wetterhorn to Dent d'Ache in France, thinking maybe someday I would be able to remember all of the 25 different peaks we could see.

I was surprised at the size of the buildings in this region, especially since the farms are so small. Many of them being more than 100 feet long and 40 feet wide, 2 stories high and covered by one huge massive roof which extends past the walls 4 or more feet. I was astonished when I noticed the large timbers that were used in the construction, some of them more than a foot square.

The living quarters are in the front, the stables in the rear and all the bound grain and hay are stored overhead. One farm I lived on north of Bern had 2 of these large buildings located just across the road from one another and connected by an overhead driveway. The buildings are so constructed that a wagonload of hay can be pulled into the upper story and unloaded. Everything is stored under a roof, including the firewood which is placed under the low-hanging eaves.

Alarm at 4:15 a.m.

I shall never forget my first day of work on this farm. About 4:15 a.m. the alarm went off. Opening one eye I thought to myself something must be wrong with the clock, because I never had to get up that early before in Switzerland. About that time my roommate pulled me out of bed. Being half asleep I went with him to clean the horse stables. It wasn't long in the mornings to follow before I became an expert with the "mist" (manure) cart between the stables and the neatly-piled typical Swiss manure pile.

From the stables we went to the field and mowed a load of grass for the 20 head of milk cows in the stables. I was highly in favor of letting the cows go mow their own grass, but it isn't done that way very often in Switzerland. The farmers keep their cows inside because they get more milk.

Around a quarter past 6 we ate breakfast consisting of the very com-

mon Swiss dish "rosti" (boiled potatoes with the jackets peeled then fried), hot milk or coffee and brown bread. It is a good thing I like potatoes because we had them 3 times a day. In the evening they usually were served with the jackets on, and the potatoes we didn't eat all of us, including 7 hired men, helped peel them for the morning rosti.

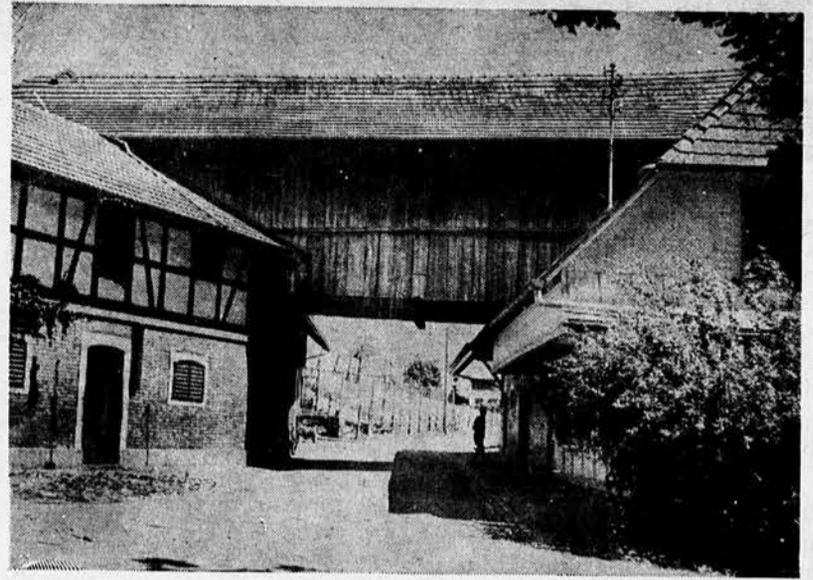
After breakfast and for the rest of day we loaded up heavy wheat bundles. Every bundle was placed a certain way on the wagon, and when the load was finished a pole was tied across the top. Not a straw fell off on the way to the barn. Of course, when all the bundles were removed from the field the field was raked to get the last straw. Swiss farmers are more careful not to waste anything than we are. Sometimes the poorer people pick up every head of grain that may be left in a field.

Bound grain not needed for fall seeding is stored inside until fall or winter when it is threshed. Threshing is done inside by a rather small machine which also loosely bales the straw. The straw then is stored inside for later use in the stables. I often wonder what a Swiss farmer would do if he saw how sometimes the threshed wheat back in Kansas is piled high on the ground.

I Was Mistaken

Sighing with relief when the last bundle was put under shelter I thought the heavy work was over, but I was sadly mistaken. Manure which had accumulated over a year had to be moved out in the field. Having no spreader we loaded it on a wagon and hauled it to the fields. We put the manure in fairly large piles just 18 feet apart, and later I thought I would shake my arms off spreading the stuff out. Manure is a very important factor here in raising crops. In fact, production would drop off very sharply if manure ceased to be used and no other fertilizer was added.

Last month I paid a visit to my former mountain abode and helped bring down the cattle from the third level. I never realized this would be such an occasion until the men started decorating the one-legged milk stools with flowers and tied them to the cows heads. Also hanging huge cow bells on the cows necks. Just before we started down I could tell the cattle were eager to go, but they didn't start to descend until the Swiss boy with a basket on his back and a long curved pipe in his mouth said, "Come, come," and one



On this farm north of Bern, Switzerland, are these 2 large barns located across the road from each other and connected by an overhead driveway. A wagonload of hay can be pulled into the upper story and unloaded. One night we had 4 very large wagonloads of wheat parked in this driveway.

after the other they followed him down. I shall always remember this picturesque sight as the cattle found their way around the rocks on the steep narrow trail and disappeared in the forest below. I can still hear the bang, bang of the bells as they echoed across the valley.

Leaving the cattle to rest in their new home on the second level, I journeyed on to make a few short trips about Switzerland. I never thought a country could be so small, one fifth as large as Kansas, and yet so different. By train or car it is only a matter of minutes or not more than a few hours to any part of the country, yet no 2 regions are alike.

Saw Huge Glaciers

Driving over the susten pass we could see huge glaciers in the canyons between the mountains. Mark Twain's description fits them very well: "The glacier's surface is not smooth and level, but deep swales and swelling elevations, and sometimes has the look of a tossing sea whose turbulent billows were frozen hard in the instant of their most violent motion; the glacier's surface is not a flawless mass, but is a river with cracks or crevasses, some narrow, some gaping wide. Many a man, the victim of a slip or a misstep, has plunged down one of these and met his death." Previous to this trip I had entered a glacier by means of a man-

made tunnel and I noticed these cracks. It gave me the shudders just to think how it would feel to have fallen in one and nothing but tons and tons of bluish green ice all around you. Many of the cracks make several turns as they go down sometimes several hundred feet.

Leaving the snow and ice we drove thru many green, fertile valleys and by beautiful blue lakes. Later we entered the impressive region of the Appenzell. Here there were low, rolling hills with the soft, green mate growing right up against the buildings, not a speck of land cultivated. It sort of reminded me of a large stockyard with its miles of wooden fence and herd after herd of Brown Swiss cattle grazing lazily in the sun.

As we neared home we entered the Emmental, famous for the Emmental cheese and large farm buildings with their roofs extending almost to the ground. Here the farmers bring the milk to one central cheese factory. The factories usually make about 600 pounds a day which is 3 round pieces of cheese, each about 3 feet in diameter and 6 inches deep. This is the kind that is noted for the great holes and also exported to America.

Golden Jubilee At Chicago Show

ALL roads will lead to Chicago November 26, when the 50th anniversary edition of the International Live Stock Exposition opens for an 8-day run in the amphitheatre of the Chicago stock yards.

The exposition, often called "the show window of the livestock industry," will this year offer greatly increased prizes to mark the occasion of its 50th birthday. Premiums will be far in excess of the usual \$100,000.

Big Prize List for Cattle

Cattle classes alone for all 3 beef breeds will offer exhibitors \$60,000. Increased prizes also are scheduled for sheep and swine. Sterling silver trophies, commemorating the golden anniversary, will be given champion winners in all departments.

The International management predicts the event this year will attract the biggest entry in the history of the show, and the amphitheatre and the yards should bulge with examples of the Continent's finest livestock and crops.

The junior livestock-feeding contest for farm boys and girls who feed fat cattle, swine and sheep will again assume its prominent place on the first day's program.

Big Crops Contest Slated

The 27th International Grain and Hay Show will bring crops samples from all Canadian provinces and most of the states to this famous competition for crop growers.

The International Horse Show will provide entertainment 8 evenings and give 5 matinee performances. The cutting contests for quarter-horses, which proved such a popular feature last year, are again scheduled.

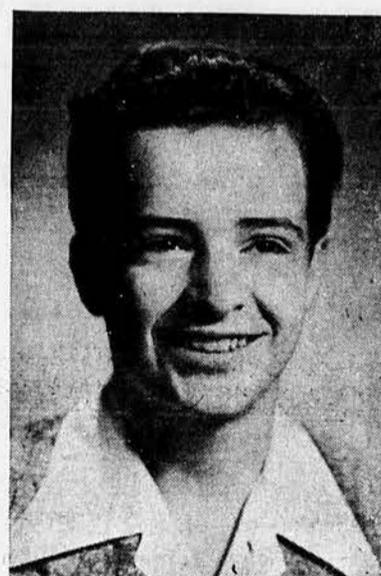
Entries for all livestock classes except carlots closed November 1. Carlot entries close November 21, and registrations for the grain and hay show will be accepted to November 10.

4-H Safety Winners

Receive Gold Watches From Kansas Farmer



Joyce Lauer



George W. Karr

WINNERS in the 1949 Farm Safety contest are George W. Karr, of Girard, and Joyce Lauer, of Abilene. As a reward, each one has received a \$50 gold watch presented by Senator Arthur Capper thru Kansas Farmer. George belongs to the Blue Ribbon 4-H Club, has been a member 5 years, has been reporter and vice-president. Joyce belongs to the Holland Sunflower Club, has done safety work 4 years; her records were selected to represent Kansas in National 4-H Club Congress competition, in Chicago. Congratulations from Senator Capper and the editors of Kansas Farmer. Watches again will be awarded to winners in 1950. All 4-H Club members are eligible to enter the Farm Safety Contest. Ask your county agent about it.

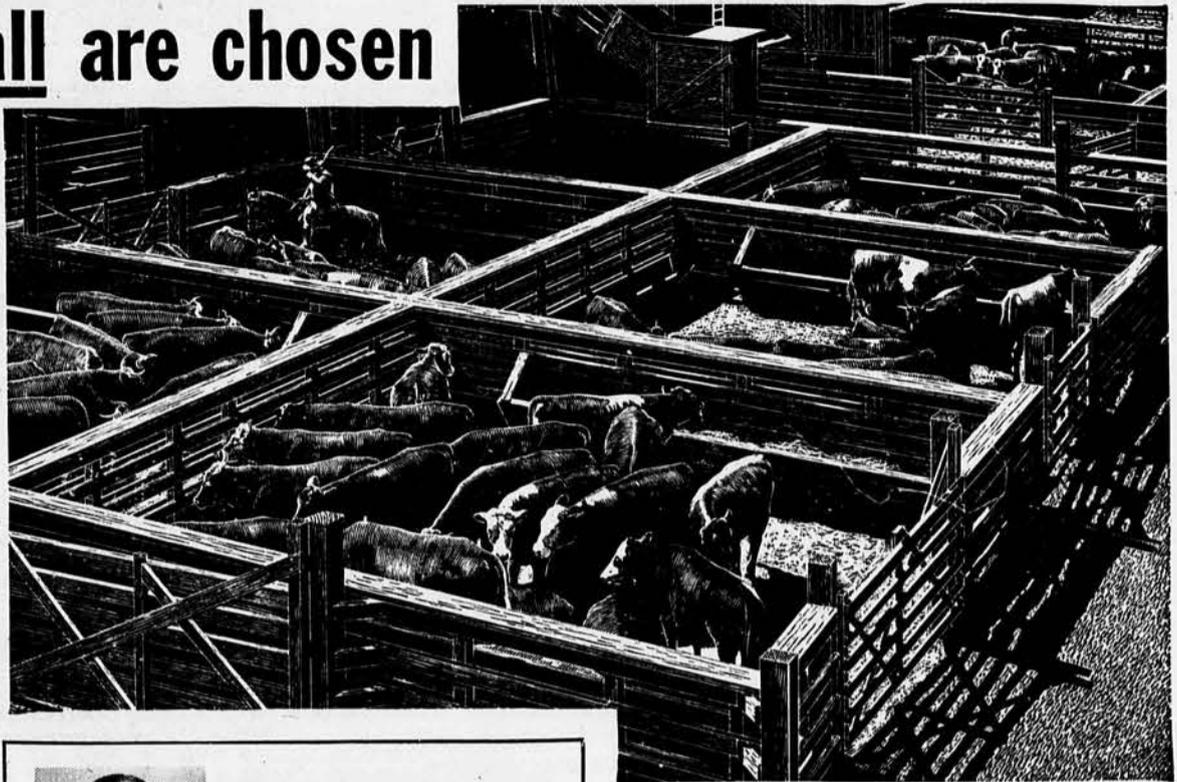
Many come and all are chosen

Now, by road and rail, the meat animals roll to market. To Omaha, Kansas City, St. Louis—to Ft. Worth, and Denver and Chicago—to hundreds of other markets. But no matter whether they come to local markets or larger central markets—no matter in how great numbers—there is a demand and a buyer for every single head.

In every livestock market, there is keen buying competition. Omaha, for example, has 14 meat-packing plants. They have buyers in the Omaha yards. They bid against one another. But do those packer-buyers "have it all their own way"? Not on your life! Last year buyers for meat packers in 250 other cities bought and reshipped almost 1/3 of Omaha's total livestock receipts. Still another 800,000 head were bought and shipped out again to farmers and feed lot operators in 27 states . . . You bet there's all kinds of competition—in Omaha and everywhere else.

In that intense buying competition across the nation, Swift & Company plays its part. Your livestock is the "raw material" which we must constantly buy, to stay in business. One place or another, all meat packers bid against 18,000 other firms, large and small, which slaughter livestock commercially in the United States.

Making a market for your animals is one of the many links between livestock producers and meat packers. Your animals must be "manufactured" into meat—transported to the places where the meat-eating millions of people live—distributed to hundreds of thousands of retail stores where they can buy it . . . In all of these activities, vital to your business, the people of Swift & Company play a hard-working part.



Our Marketing Services Benefit YOU!

In your business of producing livestock, it is necessary to work hard and be a good manager if you are to come out with money ahead on your operations. You plan the best pasture and feeding programs for the number of head you intend to carry. Operating costs are kept down by full utilization of labor and the proper use and care of machinery and equipment.

We have similar problems at Swift—keeping operating costs down in processing plants and sales units. Not only must we be efficient in the processing and distributing of our products. We must also turn every waste product into something of value—"use everything but the squeal." Swift research scientists develop new products, find new uses for others. Our home economists experiment with all meat products. They pass information to home makers which aids in cooking methods. Swift sales people use effective merchandising campaigns to stimulate demand for meat products . . . and to assist retail meat dealers in selling more meat.

In order best to serve producers of livestock and consumers of meat, we must be efficient. Our system of refrigeration and marketing makes it possible to transport meat at low cost to areas of the United States which cannot produce their own supply. It is the same marketing system that gives you the benefit of a nation-wide market . . . and thus helps increase the value of your livestock.

Ol Jones
Vice President,
Swift & Company

Quotes of the Month

"We take meat on the table for granted. But it requires a complex and highly efficient supply service to bring it to us."

Industrial News Review

"Livestock contributes to soil building and improved land use, better nutrition, less dependency on foreign outlets for a market for grain products, and serves as a cushion against food shortages."

Robert J. Eggert, *Economist*

Soda Bill Sez . . .

The feller who says, "I was wrong," is making progress—he's smarter than he was yesterday.

If you want your married life to be a harmony, be prepared sometimes to play second fiddle.

It's short-sighted to be long-winded.

Mineral for Dairy Cattle

C. F. Huffman, Michigan Ag. Experiment Station
East Lansing, Mich.



C. F. Huffman

For growth, reproduction and milk production, dairy cattle require a dozen mineral elements. But the need for mineral supplements, however, depends on the character of the feed (forage or concentrate), the nature of the soil, weather conditions during the growing season. Roughages, grains and grain by-products are all usually low in the elements found in common salt, so it's best to mix 1 per cent salt with the grain, and also allow free access to salt.

Dairy cattle seldom need a supplement supplying calcium, since as a general rule roughages are rich in this element. On the other hand, roughages are frequently low in phosphorus. Cattle suffering from a mild phosphorus deficiency may show an abnormal craving for things such as wood and bones. But in marked phosphorus deficiency, the only abnormal symptom is a reduced feed intake. No phosphorus supplement is needed when milking cows are fed liberal amounts of commercial dairy feeds; or when the grain mixture contains at least one-fifth mill feed by-products, or protein concentrates. When legume roughage furnishes the principal source of protein, allow free access to a mixture of equal parts of odorless steamed bone meal and salt.

Three trace mineral elements—iodine, cobalt, and copper—are needed as supplements in certain regions of the United States. Consult your State Agricultural Experiment Station for trace mineral element recommendations.

Swift & Company

UNION STOCK YARDS, CHICAGO 9, ILLINOIS

Nutrition is our business—and yours



SPREAD?

If a steer were all steak
From his rump to his head,
Few people would worry
About what's called "spread."

Spread is the difference
'Tween what's paid for a steer
And meat price at retail.
Some cuts are quite dear.

All meat cuts are sold
At so much for each pound:
But brisket brings in
Much less than the round.

Stew beef and other cuts
Must sell, without fail,
And often bring less than
The meat cost, wholesale.

In figuring "spread"
And what each of us makes,
Be sure to remember . . .
Your steers aren't all steaks!



OUR CITY COUSIN

What are the people laughing for?
And why is City Cousin sore?
—He went for food
to the Feed Store!



Martha Logan's Recipe for OLD-FASHIONED TURKEY STUFFING

(Yield: 5 cups)

- | | |
|-----------------------------|----------------------------|
| 2 cups chopped onion | 1 1/2 tsp. salt |
| 2 1/2 cups diced celery | 1/4 tsp. pepper |
| 1/2 cup butter or margarine | 1/2 tsp. poultry seasoning |
| 12 slices white bread | 1 egg |
| 3/4 tsp. nutmeg | |

Fry onion and celery in butter or margarine until tender. Toast bread until dry and golden brown in a slow oven (325°F.). Soak bread in cold water until soft. Remove bread from water and squeeze until dry. Tear into small pieces and put into bowl. Add onion, celery, and butter. Sprinkle with seasonings which have been mixed together. Combine. Add slightly beaten egg and toss together with forks. This makes a moist and fluffy dressing. Stuff bird just before roasting.

Life in the Netherlands

By EVELYN HABERMAN

Here is letter No. 6 from Evelyn Haberman, of Heizer, one of our 4-H'ers who has been spending several weeks in Holland.

MY LIFE on the farm of Mr. and Mrs. Smits, here in the province Limburg, has been quite different from that in Groningen. I was surprised to see such a difference. There is a difference in the people, country (as landscape, farms, type of buildings), and even the language is different.

The people in the north are more conservative, serious, and business-like; they do not allow themselves many pleasures outside of their home. People in Limburg are more light-hearted and take time and spend more money to enjoy life. This statement is not a criticism of the north, but is characteristic of their way of life. The landscape of the country is quite different. Here in the southern part of Limburg are located the "mountains" of Holland, so it is hilly and there are many trees. In the north the country is very flat. Of course, most everywhere one goes, it is neat and clean—this is certainly one thing in common.

The farms in Limburg are, on the

average, much smaller than in the north. They consist mainly of about 30 to 50 acres and are principally fruit farms. In the north there are mostly mixed farms or general and some dairy. The southern part of the Netherlands is the most thickly populated and so has more crowded conditions.

The farm of Mr. and Mrs. Smits is called "De Heek." It is a 160-acre farm, which is very large, and is one of the nicest farms in this section. It is quite an old farm, dating back from around 1750. Of the total, about 25 acres are in fruit, 58 acres arable land, 30 acres pasture and the remainder is woodland. Fruit is the principal enterprise with apples being the main fruit. Apple harvest is the busy time, but they also have some pears, cherries and plums. Apple harvest is in progress now. I helped sort apples and it was fun. The apples are spread out on straw in small patches for further ripening; or some were left in the boxes there in the orchard. We would then pick out the bad ones, number one's, number two's, and factory apples. Mr. Smits says this is one of the best apple crops he has had.

On the arable land, wheat and rye

are the main crops. He also grows some potatoes, sugar beets, rape seed and oats. Some of these last he grows for home use. He has one horse and about 20 milk cows.

Most of the work is done with tractor, so Mr. Smits does not need so many laborers. During the winter he usually has 2 and during the summer 4. Apple harvest, of course, requires extra help.

More Like at Home

My work here consists mainly of helping Mrs. Smits with her housework and cooking. There is not too much to do and they have taken me to see many places and sights. But housework and cooking proceeds more like at home. The rooms are cleaned thoroughly once a week, but otherwise are cleaned, more or less, lightly. A girl comes each day who does the thoro housework and also the washing. One, I suppose, would say my stay here is almost a leisure one. I usually go to bed rather late, either reading, writing or just listening to the radio when at home. I get up about 8 o'clock or a little later and have breakfast around 9. Thruout the day, of course, I help Mrs. Smits what I can.

Meals here are served in Dutch style—bread meals in the morning and evening and a warm meal at noon.



Evelyn Haberman

They are not quite as heavy as in the north, but still heavy. More time is spent in preparation of meals. For breakfast there are usually bacon and eggs with the bread, and hot milk or tea; oatmeal for me when I want it. Dinner is served about 12:30. This meal is practically like American food. Sometimes we have soup and then meat, potatoes, a vegetable and a dessert. Seldom do we have fresh vegetables or a salad with dinner; most people here just don't seem to like salad. But we have a nice serving of meat and plenty of potatoes and the cooked vegetable. Desserts usually are heavy—a pudding, thin pancakes, fritters, or once we had sliced apples, covered with a thin batter of ale and flour, and then fried. Supper is served between 7:00 and 8:00. This, of course, is a bread meal with tea or hot milk.

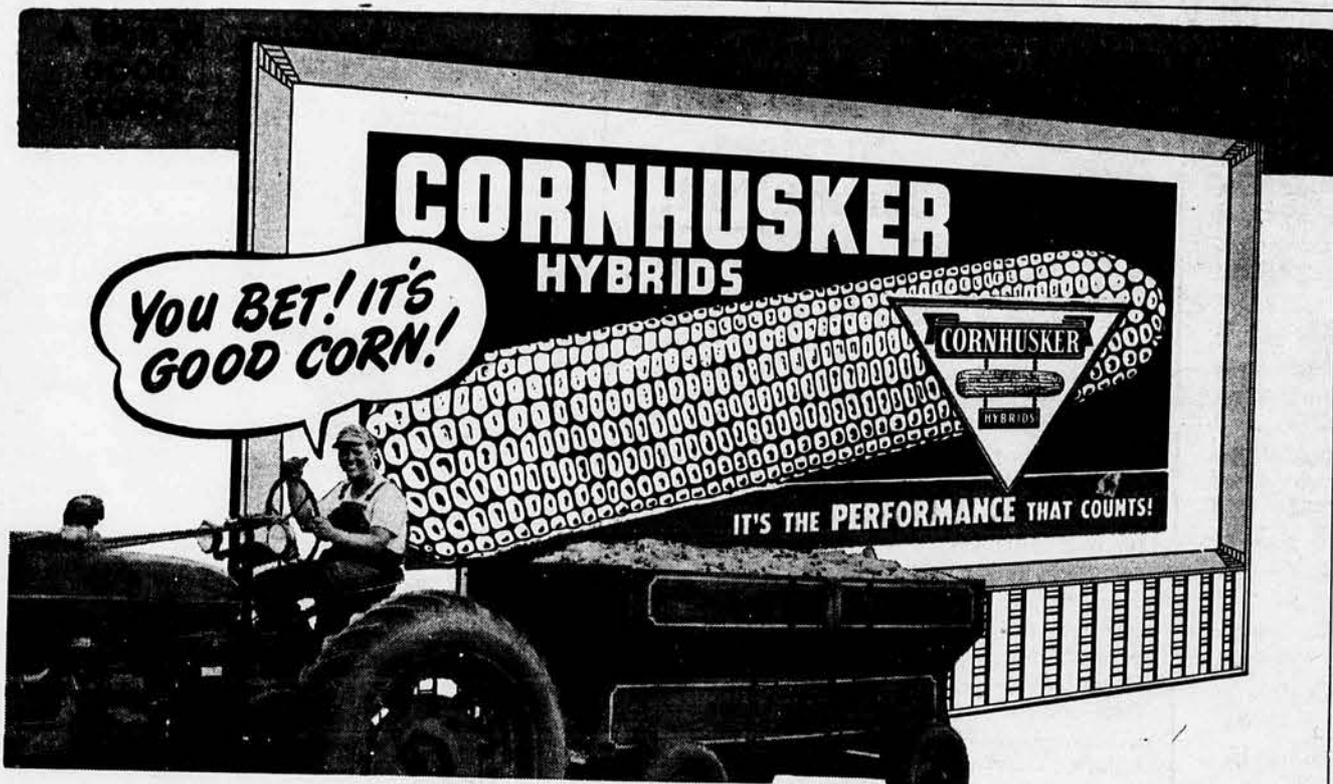
Fond of Sweets

We have teatime at 11:00 in the morning and about 4:00 in the afternoon. When company comes in the afternoon tea is served and some rich pastry—little cakes or cookies with lots of fancy frosting on them; or a homemade cake called a tart which is a stiff cake dough shell filled with fruit and then baked. In the evening, wine is served with the pastries. These pastries are good but are very sweet. People here like them very much. This can be witnessed by the many pastry shops in the towns. There also are many candy shops with all kinds of chocolates and other candies, too.

Weather here now is strictly the fall season. The nice, warm weather when I first arrived is gone and now it is cool, damp, hazy and quite often cloudy. The evenings are quite cold. At home in the evenings, we usually have the little electric heater going. There hasn't been much rain, just dampness in the air.

Days are getting shorter. It gets dark about 6:30 and 7:00, and the sun rises about 6:00 in the morning. They say that in winter it gets dark around 4:00 and 5:00, and the sun rises about 9:00.

My experiences on Dutch farms will soon be over. I leave the farm of Mr. and Mrs. Smits Monday, October 10. But before coming home, the 3 of us in the Netherlands are taking a trip thru Switzerland, and then the entire group of 31 International Farm Youth Exchange delegates will meet in Paris and spend a few days there together. Now time is running short, and altho this has been a most wonderful experience, it is a good feeling to be coming home.



CORNHUSKER Performance is Proved by OFFICIAL STATE YIELD TESTS!

Official KANSAS Corn Performance Tests

The Kansas State College of Agriculture lists "Strains High in Yield and Erect Plants" for each District.

CORNHUSKER 148 is in this select list in the 2-year and 4-year averages for all Districts where it has been entered.

CORNHUSKER 63, entered this year for the first time in the North-Central District, joins CORNHUSKER 148 in being in this select list for 1948 results in that District.

CORNHUSKER 30 also ranked above average in the East-Central Kansas tests, both in 1948 and for the 2-year (1947-1948) period; as did CORNHUSKER 50 in the 1948 North-Central Kansas tests.

CORNHUSKER's Performance Was Equally Outstanding

in the 1948 Official Nebraska Yield Contest and in the 1948 Official Colorado Yield Test. Full details gladly sent upon request.

1948 Official IOWA Corn Yield Tests

CORNHUSKER 148 was the HIGHEST-YIELDING commercial hybrid in the North-Central Section, with 108.52 bu. per acre—OVER 10 BU. MORE than the 98.03 bu. average yield of all 100 hybrids entered. Its performance score ranked 7th among the 100 entries.

In District 6 CORNHUSKER 148 was in FIRST PLACE in performance score and in yield. Its 113.90 bu. per acre was 5.37 bu. ahead of the hybrid that was in 2nd place, and was more than 17½ bushels ahead of the 96.28 bu. average yield of all hybrids in the test.

In the 2-year averages for the North-Central Section, CORNHUSKER 148 was FIRST IN YIELD. Its performance score ranked FOURTH in the 2-year and 3-year averages, and SECOND in the 4-year averages.

In the Southern Section, CORNHUSKER 63 ranked 11th in performance score, among 64 hybrids in the test; with a yield of 107.38 bu. per acre, against an average yield of 102.48 bu. for all 64 entries.

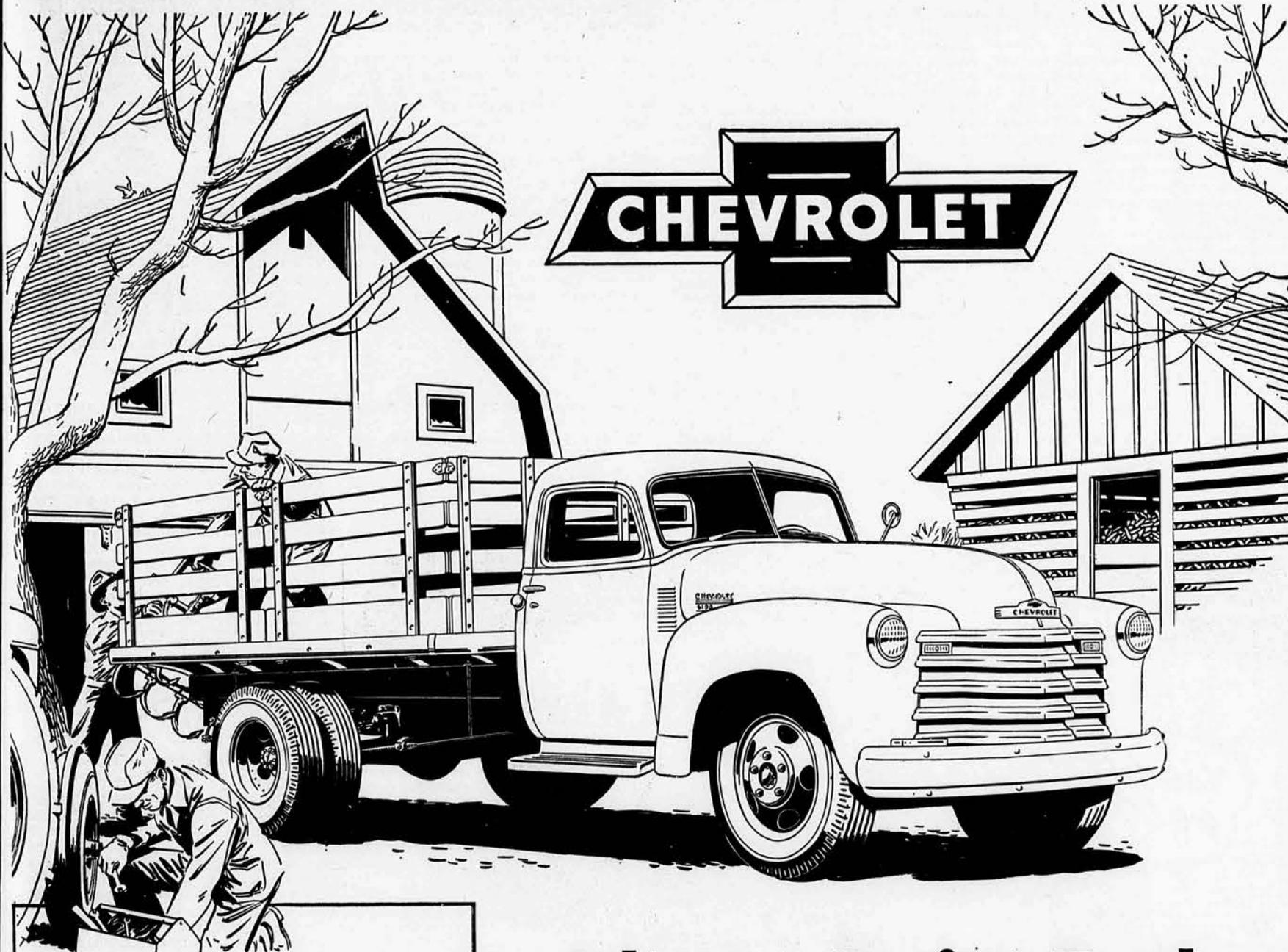
Make certain of highest yields on YOUR farm by planting CORNHUSKER Hybrids

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It's a fact that Chevrolet trucks are preferred by more users than the next two makes combined! It's a fact that there are more Chevrolet trucks in use than any other make! That's because Chevrolet trucks have what truck users want—solid quality, power-packed performance and handling ease combined with lower operating and upkeep costs and the lowest list prices in the entire truck field!

Visit your Chevrolet dealer soon and get the complete facts.

Kansas Stood High At American Royal

KANSAS folks helped make the 51st American Royal Live Stock Show, at Kansas City, October 15 to 22, a great event by exhibiting champion-quality livestock, and attending by the thousands. Featured as a top attraction this time was the American Shorthorn Association's national show. Quality of the Shorthorns earned plenty of praise, made Shorthorn boosters stick out their chests with pride.

Showing stiff competition for all comers were these Shorthorn breeders from Kansas: R. M. Collier & Son, Alta Vista; Hartley Farms, Baxter Springs; Kansas State College, Manhattan; Glenn E. Kindler, Esbon; Mills & Mills, Sylvia; William E. Thorne, Lancaster; Tomson Brothers, Wakarusa, and Alvin T. Warrington, Leoti. Among them these exhibitors placed in the first 10 spots exactly 10 times.

Holding up the Aberdeen-Angus banner for Kansas in breeding classes were: Blackpost Ranch, Olathe; Kansas State

College, Manhattan; Glenn E. Kindler, Esbon; Shirley Kindler, Esbon; Marvin Ott, Kiowa; William Schrock, Kiowa; Simon Angus Farm, Madison; Sunflower Farm, Everest, and Triple S Angus Ranch, Rosalie. Reserve junior-champion bull placing was earned by Prince 29th of Essar shown by Triple S Ranch. Reserve senior-champion female was won by Miss 487th of Highland shown by Sunflower Farm.

In addition, these Kansas exhibitors earned 36 placings among the first 10 in various classes, including first, of course, on summer yearling bull, Prince 29th of Essar, shown by Triple S Angus Ranch; and first on senior-yearling heifer, Miss 487th of Highland, shown by Sunflower Farm.

As always Hereford breeding stock made a smart showing. In there for Kansas were: CK Ranch, Brookville; Foster Farms, Rexford; Kansas State College, Manhattan; Beverly L. Kindler, Esbon, and Harlan Mudd, Russell.

They picked up 7 spots among the first 10.

Dan D. Casement, Manhattan, earned second on a carload of fat Herefords, as did W. R. Masters, Halstead.

In feeder cattle Dan D. Casement took first on a carload of Herefords; Benjamin O. Weaver, Mullinville, took first on a carload of Shorthorns; Fred Claussen, Russell, 2 firsts on carloads of Aberdeen-Angus; Joe O'Bryan, Hiattville, first on carload "all breeds competing," and one of the Claussen loads won the championship among feeder loads.

Doing a fine job for Kansas in the hog end of the American Royal were:

Hampshires: O'Bryan Ranch, Hiattville; Dale Scheel, Emporia, and W. J. Stewart, Waterville.

Durocs: Kansas State College, Manhattan.

Poland Chinas: Kansas State College, Manhattan; A. L. Wiswell & Son, Olathe, and H. A. Wiswell, Spring Hill.

Spotted Poland Chinas: Glenn H. Hall, Axtell.

Chester Whites: Lloyd Cole, Meriden.

Berkshires: T. E. Frain, Minneapolis.

In Hampshire breeding classes it was Kansas all the way. O'Bryan Ranch, Hiattville, walked off with 8 firsts on individuals, herd, get-of-sire, produce-of-dam, breeder-feeder litter, premier American Royal exhibitor, and champion boar on Chippewa.

W. J. Stewart, Waterville, had first on August 1-December 31, 1948, sow, and champion sow on Rowena; also, second in get-of-sire, second in produce-of-dam.

Over in Poland Chinas, A. L. Wiswell & Son, Olathe, took 3 firsts on individuals, also first on herd, first on produce-of-dam, and showed the champion sow.

T. E. Frain, Minneapolis, with Berkshires, earned first on produce-of-dam, plus 3 seconds in various classes.

Looking at barrow classes: Lloyd Cole, Meriden, took 2 firsts on Chester Whites. O'Bryan Ranch, Hiattville, took 7 firsts on individuals and pens, champion barrow and champion pen with Hampshires. Kansas State College, Manhattan, took 2 firsts on Durocs and 2 firsts on Poland Chinas, while A. L. Wiswell & Son, Olathe, earned a first on 3 barrows.

Showing Kansas sheep were: Shropshire, Hampshire, Southdown, Rambouillet, Kansas State College; Dorset, L. R. Glassburner, Wichita; grade or crossbred, Kansas State College, and Mills & Mills, Sylvia. The college won



Takes any Job in its stride

A 4-cylinder GM Diesel drives the hammermill of E. L. Dusenberry's portable feed mill at 3400 R.P.M.—grinds 275 bushels of oats an hour, up to 500 bushels of corn in 50 minutes.

On any farm job where steady, dependable power is a must, top honors go to this high-output performer—the General Motors Series 71 Diesel engine. It packs more power in less space because it is two-cycle—delivers power on every downstroke. It is easy to start, quick to respond to varying load demands, clean in design and simple to maintain.

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GM Diesels are ready for any job—stick to it dependably—and do it at the lowest cost. Whatever power you need, whether for feed grinding, irrigation or alfalfa dehydrating, get in touch with your GM Diesel dealer or drop us a line.

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Septic-Tank System

A bulletin or guide to up-to-date methods for sanitary disposal of sewage and other household wastes, is titled, "Sewage and Garbage Disposal on the Farm." It is USDA bulletin No. 1950. It tells how to construct satisfactory sanitary facilities and how to maintain them. If you are considering installation of a septic-tank system, this booklet will be of much help and guidance to you. Please order from Farm Service Editor, Kansas Farmer, Topeka, and enclose 3c for postage.

5 firsts; L. R. Glassburner took 2 firsts and championship ram.

In the 4-H livestock-judging contest, Charles Thomas, Silver Lake, won first place; Maurice Barr, Silver Lake, was second.

In the American Royal FFA show, Bob Plank, Olathe, took first on Shropshires in the fat market-lamb class. Other Kansas FFA's showing and doing an excellent job were: Angus steers, Ronnie Hughes, Emporia; Bob Plank, Olathe, Hereford steers, Larry Watkins, Soldier; Jim Bock, Emporia. Southdown fat market lamb, Charles M. Brink, Olathe. Kansas young folks are expert showmen.

In the American Royal 4-H Club Show those showing steers from Kansas included: Angus, Wayne Albers, Bendena; Elaine Olson, Council Grove; Lee Brewer, Manhattan; Donna Schorf, Council Grove; Marilyn Albers, Bendena; Gary Krause, Waverly.

Hereford (4-H): Robert Wandby, Russell; Floyd Hagins, Saffordville; Stanley Cross, Kiowa; Gary Scott, Cottonwood Falls; Ray Burns, Valley Falls; Jack Brink, Leroy.

Shorthorn (4-H): Patty Stauffer, New Cambria; Shirley Folsche, Troy; Kathryn Newman, La Cygne; James Brevel, Mound City; Allen Reynolds, Cuba; Anna Defries, Havensville; Philip Prawl, Severance; Eldon Prawl, Troy; Ted Thummel, Esbon; Kenneth Reynolds, Cuba; Beverly Kindler, Esbon; Boyd L. Mills, Sylvia; Carol D. Reynolds, Cuba.

Showing 4-H fat hogs were: H. A. Wiswell, Spring Hill, Poland; Joe Wendland, Manhattan, Durocs.

In 4-H fat-lamb classes Carol Dean Reynolds, Cuba, won a first. Other Kansas 4-H'ers showing fat lambs were: Boyd L. Mills, Sylvia, Hampshire. And for Southdowns: George Atkeson, Manhattan; Allan Ray Reynolds, Cuba, and Boyd L. Mills, Sylvia.

In the American Royal wool show, W. G. Nicholson, Great Bend, took first on Hampshire fleeces. Others from Kansas showing in various classes were: Jost and Johnsmeyer, Marion; Paul C. Heine, Deerfield; G. Bennington, El Dorado; G. Fred Williams, Hutchinson; K. C. Hassler, Abilene; W. G. Aldridge, Sedgwick; L. G. Wilson, Louisburg; Earl Bushnell, Coffeville; Clarence Lacey, Meriden; Mrs. W. A. Young, Clearwater; W. A. Lytle, Wellsville, and Faye McClune, Newton.



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FOR LACK OF COBALT, livestock are listless, emaciated, anemic, thriftless. They don't eat . . . have poor appearance, rough coat, watery eyes.



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Guard your profits! Protect your animals against these costly trace mineral deficiencies. Feed livestock Morton's Trace Mineralized Salt.

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Get all the facts on feeding trace mineralized salt. Write for booklet on feeding salt and important new folders on trace minerals. Mailed free. **MORTON SALT COMPANY, P. O. Box 781, Chicago 90, Illinois**

Grass Lost Out In C-K Ranch Test



A group of the 75 feeders from 8 states who witnessed the end of the feeder experiment at Salina last month here line the feed lot fence at Jo-Mar Farms to view the Vanier consignment of carlot bulls for the Denver livestock show. The feeders also visited the Gooch Feed Mill Company, the C-K Packing Company, and the C-K Ranch.

A CATTLE-FEEDING experiment that pitted grass feeding against controlled dry-lot techniques was completed last month at Salina on C-K Ranch, with grass the loser. The experiment was explained on the second Feeder Day conducted by John J. Vanier, leading national breeder of purebred Herefords, and president of the Gooch Feed Mill Company.

Feeders from 8 states, including Sam McKelvie, former governor of Nebraska, viewed the climax of the 2-month test just prior to the fall C-K calf sale October 15. Cattlemen from Kansas, Oklahoma, Texas, New Mexico, Nebraska, Wyoming, South Dakota, Iowa and Missouri viewed the final tabulation of profit when good breeding, good management and good feeding are applied.

Divided Into 4 Lots

The experiment divided 69 head of culls from the Vanier herd into 4 lots. Early last August, 10 head of random selection were put on grass only, 20 head were given grass and cubes, 19 head were fed in dry lot on hay and supplement, and the remaining 20 were fed another supplement along with hay. Careful weight and cost checks were maintained for a comparative check on all four feeding methods.

The steers, strictly average animals in breeding, were sold at public auction the night of October 14. The buying and selling price, starting and ending weights and cost of feed all were applied to determine the net profit or loss on each lot. Results are shown in the following table:

60-Day Feeding Test

LOT 1

Grass Only

Number of head	10
Starting weight	7,850 lbs.
Cost per pound (start)	\$ 0.22
Total lot cost	1,727.00
Selling weight	8,480 lbs.
Sale price per pound	\$ 0.215
Lot price (end)	1,823.20
Gross profit	96.20
Feed cost	50.00
Net profit	46.20
Feed cost per pound of gain	0.116
Net profit per head	4.62

LOT 2

Grass and Cubes

Number of head	20
Starting weight	14,755 lbs.
Cost per pound (start)	\$ 0.22
Total lot cost	3,246.10
Selling weight	17,095 lbs.
Sale price per pound	\$ 0.22
Lot price (end)	3,760.90
Gross profit	514.80
Feed cost	324.84
Net profit	189.96
Feed cost per pound of gain	0.138
Net profit per head	9.498

LOT 3

Dry Lot (Hay Plus Grain and Supplement)

Number of head	19
Starting weight	14,860 lbs.
Cost per pound (start)	\$ 0.22
Total lot cost	3,269.20
Selling weight	18,230 lbs.
Sale price per pound	\$ 0.226
Lot price (end)	4,119.98
Gross profit	850.78
Feed cost	689.50
Net profit	161.28
Feed cost per pound of gain	0.204
Net profit per head	8.488

LOT 4

Number of head	20
Starting weight	16,010 lbs.
Cost per pound (start)	\$ 0.22
Total lot cost	3,522.20
Selling weight	20,115 lbs.
Sale price per pound	\$ 0.233
Lot price (end)	4,686.80
Gross profit	1,164.60
Feed cost	771.40
Net profit	393.20
Feed cost per pound of gain	0.187
Net profit per head	19.66

Further evidence in favor of the techniques used in the dry-lot feeding was obtained when cattle from each lot were butchered. The carcasses were displayed in the C-K Packing Company cold room and each classified. Lot 4 dressed out to a grade far above the others, according to packing-plant officials, with the grass-fed steers especially low.

Right Spacing

Tests over the last 5 years at the Kansas State College agronomy farm, near Manhattan, show dwarf sorghum varieties can be grown to advantage in rows spaced 21 inches apart.

"Plenty of Fertilizer, If—

IT LOOKS now as if the fertilizer industry is geared to furnish farmers as much fertilizer as they want for the coming year's crops. In fact, it can turn out considerably more nitrogen, phosphates, and potash than this year's all-time record . . . There's just one possible catch. With fertilizer as plentiful as it is, farmers haven't been buying early as they did during and following the war. The result is that industry has run out of storage space and has had to slow up some on output. If this lag continues long enough, the industry might be handicapped in filling a rush of orders during January, February, and March. So tell your farmers that the wise thing is to order early.

"To be a little more specific on supplies, PMA fertilizer officials have just put out a report that indicates a possible 15 to 25 per cent more nitrogen in '49-'50 than in '48-'49 . . . 15 per cent more phosphoric acid . . . and 10 per cent more potash. That's assuming farmers order in time.

"And, remember, even the '48-'49 supplies set an all-time record."

Quoting Kenneth M. Gopen, assistant director, Office of Information, U. S. Department of Agriculture, in his October 7, 1949, "RFD Letter" to all farm directors throughout the United States.



Mr. Andrew Por Jr. says:

"WYNN'S FRICTION PROOFING OIL . . . Increases Horsepower in Actual Tests!"

Mr. Por's firm, Andy's Auto Service, 157 Young St., Tonawanda, N.Y., offers modern, scientific auto service, including the advantages of Dynamometer "Indoor Road" equipment. He writes:

"On August 7, 1948, I ran a Dynamometer check to test the claim that Wynn's Friction Proofing Oil would increase horsepower by reducing friction.

"We added Wynn's Friction Proofing Oil to the regular lubricants of 3 cars that happened to be in our shop. Before-and-after readings on the Dynamometer showed an average increase of approximately 4 horsepower per car!

"These remarkable results, due entirely to improved lubrication, are conclusive. Adding Wynn's Friction Proofing Oil to a car's regular lubricants DOES increase horsepower!"

NOTE: Horsepower increases will vary according to condition of car. A photostat of Mr. Por's report is available by writing: Wynn Oil Co., Azusa, Calif.

For Information Write, Wire or Phone

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WANTED

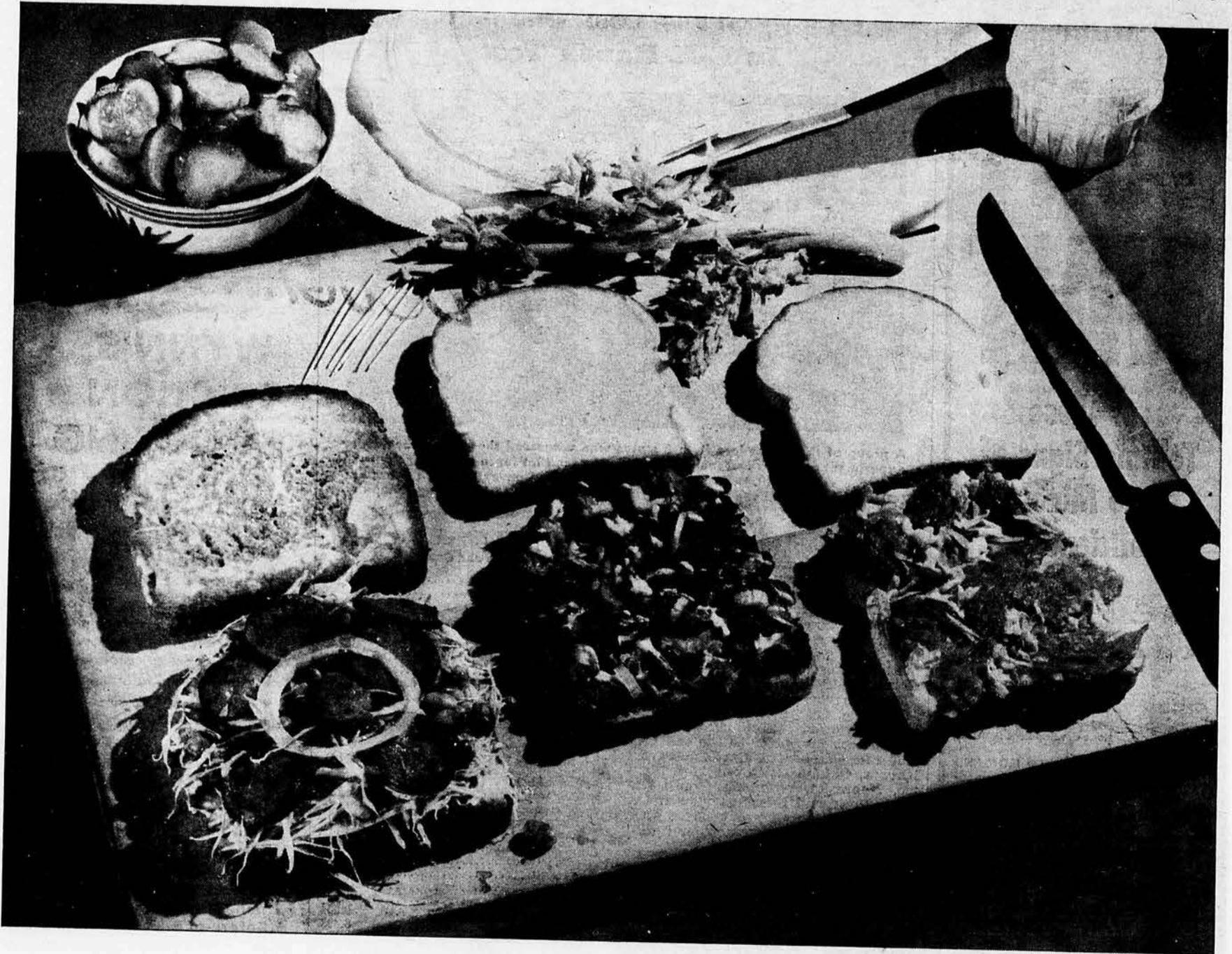
Old Live Horses and Dry Bones

We Pay More for Them Than Anyone Else
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Sandwiches may be made of a variety of vegetables as well as the usual meats and cheeses. Use shredded cabbage, chopped celery and carrot.

Make the Box Lunch a Meal Complete

By Florence McKinney

JOHNNY'S lunch box has been taken down off the top shelf and school days are here again. To hundreds of mothers this may be accompanied with a sigh of despair. Five days a week for the whole school year! Where can she save time, how can she give every meal variety, and how can she make every box lunch a meal complete. Complete it must be if Johnny is to be well fed. It can no longer be just a sandwich, a cookie and an apple.

The keynote is to supply every ingredient needed by a growing body, which means a complete meal, something hot and a surprise. And don't forget the surprise! And something hot necessitates a thermos bottle. The day of the paper sack and a cold sandwich is over. Johnny's right in the groove with his shiny new lunch box with the thermos bottle.

First we offer menus that will provide all the nutrients for a complete meal.

Menu No. I

- Whole Wheat Bread and Butter Sandwiches
- Cold Fried Chicken
- Peanut Cookies
- Whole Tomato
- Hot Cocoa

Menu No. II

- Bean and Frankfurt Sandwiches
- Hard-cooked Eggs
- Brownies
- Celery Strips
- Apple
- Hot Cocoa

Menu No. III

- Hot Vegetable Soup
- Nut Bread and Butter Sandwiches
- Ginger Cookies
- Orange
- Deviled Egg

Menu No. IV

- Cheese Sandwich
- Carrot Strips
- Hot Cocoa
- Meat Loaf Sandwich
- Fresh Pear

Menu No. V

- Cheese Sandwich on Apple Bread
- Crisp raw Cabbage-Carrot Salad
- Sugar Cookies
- Hot Cocoa
- Orange

Now for some of the recipes for the school lunch box.

Peanut Cookies

- 1 jar peanut butter (15 or 16 ounces)
- 1 cup sugar
- 1/2 teaspoon vanilla
- 1/4 teaspoon salt
- 2 egg whites

Blend peanut butter with salt, sugar and vanilla. Stir in egg whites beaten until slightly foamy, but not stiff. When well blended, roll on a slightly floured board to one-fourth inch in thickness and cut into strips 3 inches long and an inch wide. Bake on a ungreased cookie sheet in a moderate oven (350° F.) for 15 to 20 minutes. Yields about 3 dozen.

Bean and Frankfurt Sandwiches

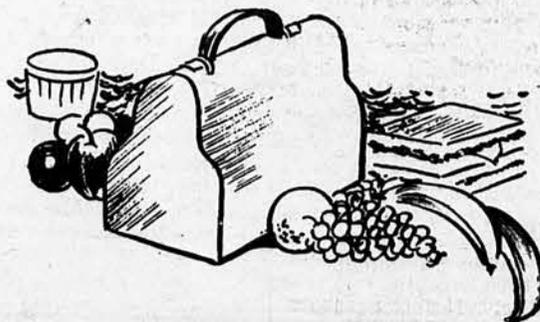
- 1 1/2 cups shredded cabbage
- 2 frankfurts, sliced thin
- 1/2 cup baked beans
- 1/2 onion, chopped

On each sandwich put 1/4 cup shredded cabbage, tossed with the chopped onion, then a tablespoon of baked beans. Top with a few slices of frankfurts, browned in a bit of hot fat. Yields 6 sandwiches.

Egg Sandwich Fillings

Use sliced hard-cooked eggs plain or with cold meats, ham, sliced chicken or cheese. Spread bread with butter to help hold the sliced egg in the sandwich.

[Continued on Page 17]



Make Lunch Meal Complete

(Continued from Page 16)

Season to taste with salt and pepper. Other seasoning may be added.

Egg and Olive Sandwiches

Add 2 tablespoons of chopped green or ripe olives to 2 hard-cooked chopped eggs. Season with salt and pepper to taste.

Surprises Are Fun

Suggested ideas are nuts, raisins, figs, dates and marshmallows. Or a treat such as a birthday card, a funny picture or a new ball or marbles.

Mother can make candy-covered apples for a surprise or a popcorn ball.

Salad Containers

Vegetables for salads should be washed and chilled. Prepare and pack into paper cup with a lid. Every night the lunch box and thermos bottle should be washed and then sun-dried on Saturday. Make the lunch look good.

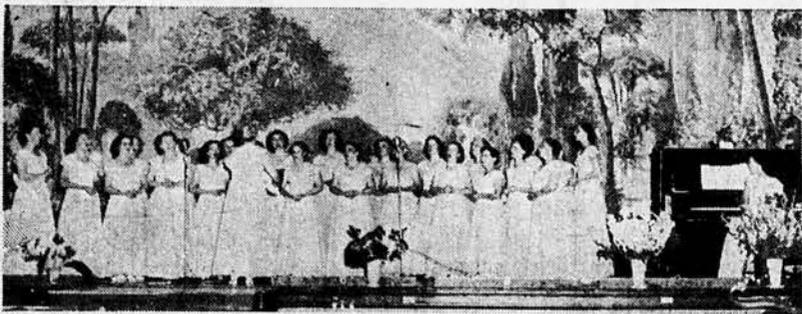
This means that sandwiches should be wrapped neatly and the different items packed so soft food will not crush. A well-planned complete lunch will keep Johnny healthy and happy.

Apple Bread

½ cup shortening	1 teaspoon baking powder
¾ cup sugar	1 teaspoon salt
2 eggs	1 cup peeled, finely chopped apple
2 cups sifted flour	½ cup chopped nuts
1 teaspoon baking soda	

Cream together shortening and sugar. Beat in eggs one at a time. Sift flour with baking powder, soda and salt. Add to creamed mixture with apple. Stir until just blended. Mix in nuts. Do not beat. Pour into greased loaf pan. Bake in moderate oven (350° F.) for about 1 hour. Remove from pan and cool. Use plain, with butter or with peanut butter, jelly or cheese filling.

Rainbow Chorus Sings



The Montgomery county Rainbow Chorus sings at the 13th annual meeting of the National Home Demonstration Council at Colorado Springs.

FROM out of the wings onto the stage of the auditorium in Colorado Springs walked the Rainbow Chorus of Montgomery county to sing for their fellow home demonstration club members from all over the country.

Before they sang a note, they brought applause . . . this for their pretty rainbow evening dresses, long dotted Swiss frocks in pink, yellow, dainty blue and lavender, all made alike and sparkling with sequins. The very looks of the chorus convinced the audience they

were in for some sweet music, and they were not disappointed.

The group was organized in 1939 with 13 members, was disbanded during the war and was reorganized and increased to 29 since that time. Any home demonstration member in the county may belong, but she must be willing to work like the rest, some of whom travel as far as 22 miles twice a month to rehearse at the YWCA in Independence. Members range in age from 26 to 74.

The conductor is Mrs. Page Manley; the president, Mrs. Price Belveal; accompanist, Mrs. Mina Ferguson. Other members of the chorus are Mrs. Roy Foutch, Mrs. G. L. White, Mrs. Guy Campbell, Mrs. Sam Ewing, Mrs. Claude Heflin, Mrs. Gerald Thomas, Mrs. John Bruch, Mrs. I. W. Bowersock, Mrs. H. Pittman, Mrs. E. C. Hudiberg, Mrs. D. S. Kinman, Mrs. Leonard Ecklund, Mrs. William Kinzie, Mrs. Elmer W. Haggatt, Mrs. Verner Bradford, Mrs. Walter Krone, Mrs. R. F. Nuttleman, Mrs. G. R. Bracken, Mrs. Walter Buster, Mrs. R. A. Pettersson, Mrs. A. R. Mull, Mrs. Lloyd Zimmerman, Mrs. Robert Nevin, Mrs. Bert L. Strimple.

Demonstrates Cupcakes

Sharon Thompson, of the Gladstone 4-H Club, in Chase county, may be only 12 years old but she stood before the judges in the Club Building at the Topeka Free Fair and demonstrated the making of chocolate cupcakes like a veteran. She replied with assurance to critical questions on the part of judges. She allowed the judges and audience to taste the product and they were so good we are giving her recipe.

½ cup cocoa	1½ cups cake flour
1 cup hot water	1 teaspoon soda
1½ cups sugar	½ teaspoon salt
½ teaspoon baking powder	½ cup shortening
	½ to ¾ cup eggs

Pour hot water over cocoa and mix. Combine sifted flour, baking powder, soda and salt and sift together. Add sugar. Add shortening to dry ingredients, then cocoa and beat 2 minutes with a mixer or by hand. Add eggs and beat 2 more minutes. Pour into oiled cupcake pans and bake in a moderate oven (400° F.) for 20 to 25 minutes.

For Lunches

More money—some 5¼ million dollars more—has been allocated this year for the National School Lunch Program. The total this year is \$83,500,000.

Soft and Cuddly



Toddlers and all children love this cuddly dolly made from a man's sock. Straw-yarn is used for hair. It costs so little to give a child this doll. Includes directions for making doll and pajama pattern.

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you bake. And remember, each sack contains a folder filled with many new Betty Crocker recipes. In addition, there's a valuable silverware coupon you can use to help build a complete set of beautiful Queen Bess pattern silverware. Gold Medal Flour comes in big, thrifty, family-size sacks of 25, 50 and 100 pounds. Order your winter's supply now.

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OLD-FASHIONED DOUGHNUTS

MADE WITH SOUR MILK

PERFECT RESULTS ASSURED ONLY WITH GOLD MEDAL FLOUR

Beat well	4 egg yolks (or 2 whole eggs)
Beat in	1 cup sugar
	2 tbsp. soft shortening
Stir in	¾ cup buttermilk or sour milk
	¾ cup sifted GOLD MEDAL Flour
	*2 tsp. double-action baking powder
Sift together and stir in	*1 tsp. soda
	*½ tsp. salt
	¼ tsp. nutmeg
	¼ tsp. cinnamon

Turn dough out on well-floured, cloth-covered board. Cover and let dough rest for 20 min., to make it easier to handle. Heat fat to 370° (doughnut "center" browns in 1 min.). Have fat at least 2-in. deep in heavy kettle or deep fat fryer. Turn dough over to lightly coat with flour. Roll out gently ½-in. thick. Cut with floured sharp doughnut cutter. Take board close to kettle, then lift doughnuts with wide spatula and slide quickly into hot fat. Fry only as many at a time as can be turned easily. Turn as soon as they rise to surface and show a little color. Fry about 3 minutes to completely brown on both sides. Lift from fat with a long fork or handle of wooden spoon thrust through hole. Do not prick. Drain, then place on absorbent paper. Serve plain, sugared or glazed. Makes about 2 dozen 3-in. doughnuts.

*If you use Self-Rising Flour (sold in parts of South) omit baking powder and salt; reduce soda to ¼ tsp.

†The fat will cool some when doughnuts are dropped in—it should be 370° to 380° while foods are frying. If temperature is too high, they brown before they cook through; if too low, they become greased-soaked.

Note: This dough may be made in advance and chilled overnight.

SWEET MILK DOUGHNUTS. . . . Follow recipe for Old-Fashioned Doughnuts—except use sweet milk in place of sour milk. Increase baking powder to 4 tsp. and omit soda. (With Self-Rising Flour, omit baking powder, salt and soda.)

TO GLAZE DOUGHNUTS. . . . Add ½ cup boiling water gradually to 1 cup confectioners' sugar. Mix well. Dip warm doughnuts into warm glaze.

PS—The temperature of the fat is one of the most important factors in making doughnuts. A deep fat thermometer is the ideal way to watch the temperature and keep it constant. If a deep fat thermometer is not available, test the fat between each frying with a doughnut "center". Center should brown in 1 minute. Correct temperature will also prevent smoking.



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Time to Sew

9206
SIZES 2-10

9222
SIZES 12-20; 40

9312
SIZES 12-20; 40

9222—Just 3 main pattern pieces then add the details. Sizes 12 to 20 and size 40. Size 16 requires 4 1/2 yards of 39-inch material. Transfer included.

9206—She'll be right in fashion with her paneled, peplumed puff-sleeved dress. Sizes 2 to 10. Size 6 frock requires 2 1/2 yards of 35-inch material and 3/8 yard of contrasting fabric.

9312—Smock—one is trimmed and tiny-waisted, the other loose. Sizes 12 to 20 and size 40. Size 16 requires 3 3/4 yards of 35-inch material.

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Mrs. Wm. J. Turvey, poultry raiser in the far north state of Washington, tells an interesting story of increased egg production. She says: "I have 178 chickens. In November, their appearance was poor, and I was getting 19 to 23 eggs a day. I started giving Don Sung in their feed. Now, in December, I am getting 130 eggs a day, and my flock is livelier and looks much better. Surprised isn't the word—I'm really amazed at the change in my flock."

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SIZES 10-16

4577
SIZES 6-14

4523
SIZES 12-20

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Rural Women Meet in Colorado

Study Homemaking and Citizenship



Panel members discussing family relationships. Left to right: Mrs. Homer Remsberg, Maryland; Mrs. W. K. Morris, Kentucky; Mrs. C. E. Myers, Virginia; Mrs. Lynn Perkins, New York; Sylvia Slocum, Virginia.

WITH a total registration of 2,266, the 13th annual meeting of the National Home Demonstration Council met in Colorado Springs at the foot of the rugged Rocky Mountains, the week of October 3. Missouri sent 9 women members, Colorado 905 and Kansas 346. Women came from 40 states, Hawaii and Puerto Rico.

It was a profitable vacation for rural women, and the Colorado hostesses made it a festive occasion by including a bit of sightseeing as part of the program. The theme of the conference was, "Home, the Fountainhead of Democracy," as explained by Mrs. Malcolm Byrnes, of Louisiana, the national president. She pointed out that today the rural woman is indistinguishable from the urban woman. "Not many years ago farm women and their city sisters were worlds apart in appearance and interests, but today tells a different story. At one time, most of the skills of homemakers like cooking, sewing, gardening bounded the life of the wife and mother. Today, women are out from under this limitation and after a taste of the possibilities for them in politics, community, national and world life, the promotion of Christianity and world peace, rural women can't be tied down any longer."

Set a Record

Mrs. Byrnes, who has a steadfast faith in the value of home demonstration work, said the Colorado Springs meeting was the biggest and best in the convention's history.

M. L. Wilson, director of Extension Service in Washington D. C., speaker at one session, emphasized the need of spreading home demonstration work to all of the nation. In concluding, Wilson pointed out that the concept of a good homemaker had broadened to include good citizenship, not only in the home community, but in the nation and in the world. He cited the increasing interest in programs to study rural

policy, public problems and the general welfare.

Mrs. Platt Craig, president of the Colorado Home Demonstration Council, in welcoming the women added a bit of humor that brought the convention hall down with applause when she said, "Let's give a hand to the hundreds of brave husbands who remained at home to cook and take care of the kids."

Another guest speaker was F. A. Anderson, director of the Colorado Extension Service, who had served as a delegate to the United Nations representing the Extension Service. He pointed out that "social sciences have not advanced as rapidly as have the natural and biological sciences in our educational system, and should be greatly accelerated because of their influence on human behavior. Greed and personal gain have exacted a terrific toll on human and natural resources." He urged the development of a program for conservation of both human and natural resources, to salvage the human productivity now wasted by disease and malnutrition,

Chase county was named long ago for Salmon P. Chase, United States Senator, secretary of the treasury, and chief justice.

and industrial and agricultural development would immediately follow.

For the benefit of the large audience, a panel discussion was conducted by moderator, Mrs. C. E. Myers, state home demonstration president from Virginia. Other speakers were Mrs. Homer Remsberg, Maryland; Mrs. W. K. Morris, Kentucky; Mrs. Lynn F. Perkins, New York, and Sylvia Slocum, also of Virginia.

Panel members emphasized the role a mother plays in shaping her children to be useful citizens in a democracy. "Many attributes taught in the home are carried out into the world by children when they leave home," said Miss Slocum, asserting that "irresponsibility in children carries over to adulthood. Give children a faith in values, faith in God, faith in government and in themselves and then set them a good example," concluded Miss Slocum.

Two Christmas Playlets

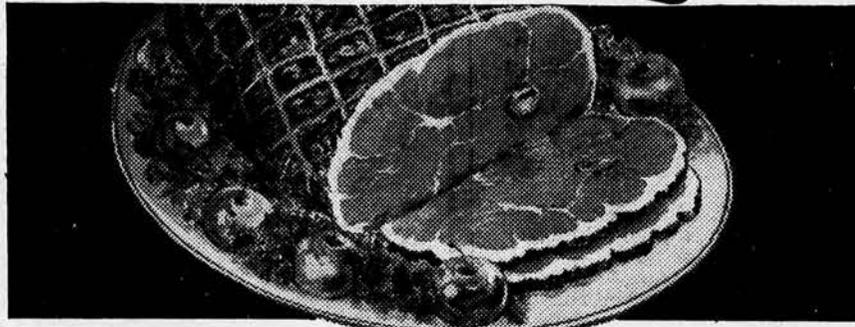
Two beautiful playlets have been arranged for Christmas programs — "Christmas Lights," and "The Beautiful Symbols of Christmas." Christmas Lights is a pageant requiring 7 characters. It is written in verse and is suitable for church, Sunday School, school or club programs. The other leaflet is a playlet requiring a boy announcer, a choir of young children and any number of boys and girls from the first grade up. The Entertainment Editor, Kansas Farmer, Topeka, will send both leaflets upon request. Price 5c each.



Mrs. Malcolm Byrnes, Louisiana, president of National Home Demonstration Council.

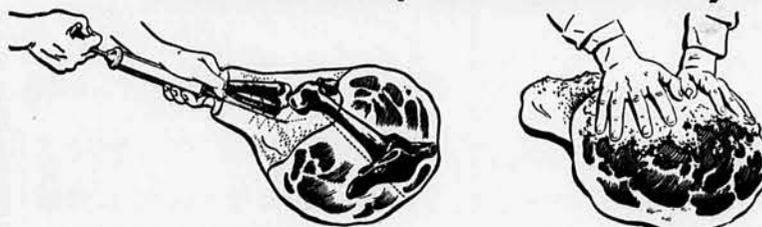
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Corn Well Above Average

(Continued from Page 6)

mate. Corn borer did some damage. But favorable maturing weather during September offset losses credited to the borer.

Yes, there are threatening clouds blowing over the Kansas corn skies in the form of pests and diseases. European corn borer, recognized only in isolated areas before, this year could be found nearly any place in the state where there was corn. And even worse, Southwestern corn borer seems to be continuing a steady crawl toward the Northeast. Front lines of the Southwestern borer seem to extend about between Clay county and Montgomery county.

In addition to the borers that have crossed lines, several diseases can be recognized in the fields. Generally, these diseases seem to be classed as root rots and stalk rots. Then there is the Angoumois grain moth which is a definite threat to stored corn. Farmers in Southeast Kansas have been harassed with the moth for several years. But it has spread over much of Eastern Kansas now.

Still we have good corn. Let's eat the frosting off our cake first and look at some of the good corn. And while we are looking, let's see why it is good:

In the Kaw Valley it was not too difficult to find 80-bushel corn. And there was some going up to 100 bushels and more. Clyde Rogers, Rossville, whose picture appears on the cover this issue, anticipated 80 bushels from his white corn, K-2234.

Mr. Rogers had 175 acres of corn this year. Nearly as many acres on his farm were in wheat and there were about 100 acres of alfalfa. He ordinarily applies 150 pounds of ammonium nitrate an acre ahead of planting. But where corn follows immediately after alfalfa he uses some phosphate. That large acreage of alfalfa is the key to good corn in Kansas. Almost without exception, the good corn is found following strong legumes. And that goes for nearly all corn-growing areas in the state.

Some yields of more than 100 bushels were recorded on the Howard Jackson farm, just north of Topeka. Fertilizer used here was 100 pounds of a 5-10-5 mixture ahead of planting and 100 pounds of ammonium nitrate sidedressed during cultivation. This corn was irrigated once. About 5 inches of water was applied.

Several varieties were used in this field with different seeding rates. Where corn was planted with 15-inch spacing yields ranged from 83 to 101 bushels an acre. In another section of the field where even more seed grains were dropped yields were increased. The range here was from 100 to 113 bushels an acre.

Wide use is made of red clover in rotation in Brown county. And many of the good growers in that northeast county have limited corn to 2 successive years after clover.

Results of strict rotation can often be spotted when just driving by the field. One field looks like 80 bushels an acre. And just across the fence there

will be corn that looks more like 40 bushels. The difference? Clover.

Winter Brothers, Wilbur and Arthur, in Brown county, seldom plant corn more than 2 years after red clover. Nearly always, Wilbur says, we can see a reduction in yield the second year. These brothers have been changing fields around some on their farm to conform with terrace lines. The result has been 3 years of corn in small acreages. In one field this year a small portion went to corn for the third time. Even tho heavily manured, that corn dried up sooner than the remainder of the field. It was that plain. There was a lack of organic matter which helps hold moisture in the soil. And that moisture is necessary to produce growth-promoting nitrogen for the plants.

There is another point Mr. Winter makes. With more than 2 years of corn in the same field, root rot seems to in-

The Cover Picture

Corn like that shown on the cover really is smile producing. We can see why Clyde Rogers, Rossville, would be happy about the whole thing. His corn was expected to make about 80 bushels an acre. And quality was good. His farm stretches over between 400 and 500 acres of Kaw Valley land. Even with that good soil he finds it pays to have about 100 acres in alfalfa, a strong legume. Strong legumes are the backbone of good corn yields.

fest the crop. The strict rotation is an aid in controlling this disease, he reports.

Last year their corn made 90 bushels an acre. It will be below that this year. Wilbur and his father, Will Winter, made a conservative estimate at 60 bushels. Actually it looked more like 70 to 75 bushels.

We found Lawrence Sabbert, Brown county, and his son, Marvin Sabbert, Doniphan county, cleaning red clover seed at the home of the father. Corn was not dry enough for shucking. But they were getting ready for clover seeding time next spring.

In one end of a 52-acre field last year they raised 100-bushel corn. Corn in that same location this year was estimated at 65 bushels. Red clover was plowed down in the other half of the field last spring. Corn there was estimated at 75 to 80 bushels. Two years in corn is plenty, says Mr. Sabbert. His experience in past years is that yield the second year drops just about 20 bushels an acre.

His neighbor, Gerald Steely, will just about say ditto to that. That is why he has been using a 5-year rotation, corn-corn, oats, wheat and clover. With acreage reductions, he points out it may be necessary to go to a 4-year rotation, dropping one year of corn.

(Continued on Page 21)

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Most damaging work of European corn borer is in weakening stalks until they break. Del Gates, left, new Extension entomologist in Kansas, holds an ear and stalk of corn showing breakage of stalk below the ear. At right is J. O. Rowell, Extension entomologist in Virginia, who is studying for his doctorate at Kansas State College. Mr. Rowell says they have learned to live with European corn borer in the East. Eliminating them completely is practically impossible.

That practice, he points out, may be a help in borer control.

Mr. Steely also had 100-bushel corn last year; this year expects 85 bushels. That is on alfalfa ground which holds up better for corn than red clover ground. The drop from 100 to 85, Mr. Steely believes, is due mainly to less favorable corn weather this year.

West of Brown county red clover gives way to more alfalfa and sweet clover in rotation. Sweet clover gets the nod on the George Mueller farm, in Washington county. This farm is bordered by the Little Blue river. There is some excellent soil on the second bottom. Even so he limits corn to 4 years in succession on this land. And he is considering a limit of 3 years. On upland soil he puts the limit at 3 years and may go to 2 years of successive corn after clover.

Mr. Mueller learned about clover and fertilizer the hard way. This rich soil was doing all right with corn until a bad flood in 1941 took between 50 and 70 acres of topsoil as deep as it had been plowed. After that his yields went down. Bottom land was producing less corn than good upland.

He began experimenting with soil tests and fertilizers. He found 150 to 200 pounds of a mixed fertilizer would make 20 to 30 bushels difference in yield. The mixture was usually a 4-12-4, 4-16-0 or something similar. In 1945 and 1946 ammonium nitrate was added, too, with astounding results. Without fertilizer corn made 25 to 27 bushels. With 200 pounds of 4-12-4 applied before planting yield increased to 80 bushels. Where 150 to 170 pounds of ammonium nitrate was added in addition to the mixed fertilizer, yield went a little beyond the 100-bushel mark.

This year Mr. Mueller figures he will have an average of about 70 bushels. Some have estimated his corn at 80 bushels. But there were trouble spots in the field which will hurt final yield. Corn had to be replanted in these spots. It isn't as good.

Then, too, Mr. Mueller was hindered by rain when plowing down sweet clover for corn last spring. Some was turned under about May 15. The remainder was turned under after sweet clover had made considerable growth. There is a definite difference in the corn. The early plowing is best.

Corn production in Kansas this year is off a little when compared to 1948. But it still is a good corn year. Good yields can be found. But everywhere farmers are talking about European corn borer. They are talking about Angoumois grain moth, often called corn weevil.

About the only thing certain that can be said about European corn borer is that we must learn to live with it. There is little chance of exterminating the borer. Of course, living with the borer means making conditions as untenable as possible for the pest.

The corn borer cannot live thru the silo. Putting corn into the silo is a definite step toward control. But it would be just as impossible to get all corn into silos as to expect to exterminate borers entirely. So, the next step is to plow under all stalks and trash that would supply overwintering hiding places for the borers.

A number of shredding machines are being demonstrated in the state this fall, some of them chop, some of them beat the cornstalks into small pieces after ears have been picked out. They will be an aid in corn borer control. Many borers will be killed directly by the shredders. Others will be exposed and picked up by birds. But it looks like the most important point for these shredders is that clean plowing will be possible after they have done their work. Then, too, shredded stalks will decay more rapidly. A step toward better cultural practices.

By plowing all trash on a field down at least 4 or 5 inches, the European corn borer moth is unable to emerge the following spring.

There are definite disadvantages, from the farmer's standpoint, in plowing down stalks in fall. Many farmers like to turn cattle or hogs into stalk fields to pick up missed ears. And with corn borer damage the number of missed ears increases. Then, many Kansas cornfields would be subject to blowing if plowed in fall, or even early spring.

For effective control, plowing down would require community-wide co-operation. That, too, would be difficult to achieve. The corn borer moth will travel at least 20 miles.

Corn borer control calls for a modifi-

cation of cropping practices, too. Seeding fall grains into cornfields, where many stalks remain exposed, makes an ideal wintering place for borers. Such fields can serve to reinfest many acres of corn the following spring.

It would be wise to select varieties of corn with heavy stalks. Even tho several borers have drilled tunnels in heavy-stalked corn, the ear will develop and remain in position for shucking. Until infestation becomes heavy, main damage is from down corn, ears lost to the picker.

What about spraying? It is an effective control for individual fields. It has that advantage. But there are definite disadvantages, too. In the first place, spraying is expensive. Maybe too expensive for field corn. Possibly practicable for hybrid seed, sweet or popcorn.

To be effective, spraying must be timed almost to the minute. Spraying must be started when corn borer eggs begin to hatch. And hatching takes place during a 10- to 14-day period. Perhaps more than one spraying will be necessary. There are at least 2 generations. Unpredictable spring weather may delay spraying operations, making that step ineffectual.

Then, when corn is in the crib, there is danger of wide damage from the Angoumois grain moth. This pest has been most prevalent in Southeastern Kansas. But this year it can be found over the whole eastern half of the state. This moth lays its eggs near the tip of the kernel. A small weevil develops that burrows into the kernel from the cob side. After eating out the inside of the kernel the weevil cuts a small window thru the crown of the kernel. A new moth emerges thru this window to lay more eggs and hatch more weevils.

Corn in cribs cannot be treated satisfactorily. Best bet is to shell corn as soon as possible. As soon as it can be stored safely as shelled corn. Then the grain can be fumigated to stop all moth damage. The safe mixture for treating this grain contains 1 part of carbon disulfide with 4 parts of carbon tetrachloride. Del Gates, Extension entomologist at Kansas State College, recommends 6 to 8 gallons of this mixture for each 1,000 bushels of grain in a tight bin.

Actually, one of the worst threats to Kansas corn still is the Southwestern borer that moved up this way some years ago from Mexico by way of Arizona. This borer is traveling northeast. It has put many corn farmers out of business west and south of the Clay Center-Independence line.

The Southwestern corn borer moth is stronger than the European moth, Dr. Roger C. Smith, head of entomology department, Kansas State College, reports. It might seek its way to the surface of a plowed field where the European moth could not get out.

The overwintering habits of the Southwestern borer are a little different, too. Many of these borers go down below the soil surface into the lower end of the corn plant for the winter. Ordinary plowing of cornfields then would tend to put some of these borers in better position for emergence the following spring. And, its girdling habits just a few inches above the surface of the soil during the growing season result in more extensive damage even than the borings of the European variety.

Plowing up corn roots like digging potatoes, then burning the lower end of the stalks seems necessary for control of this pest. But agronomists draw the line on burning. It wastes necessary organic matter.

We wonder whether antagonists of corn farming maybe get a slight chuckle out of the troubles corn growers are having. They, of course, are opposed to corn farming because of its soil-depleting characteristics.

But we haven't learned how to get along without corn.

Entomologists have been working on control plans for years. We have modern equipment at our disposal, such as spraying rigs and chemicals to go with them, stalk shredders and powerful tractors. And work is being done with parasites to the corn borers. Destroying them with their own natural enemies.

We expect to see good corn, yes, better corn, in future years. Maybe a tighter rotation to produce more economical yields. Perhaps more strict adherence to good cultural practices. But there will be corn next year. And the year after that.

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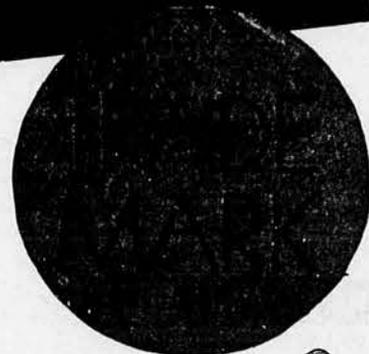


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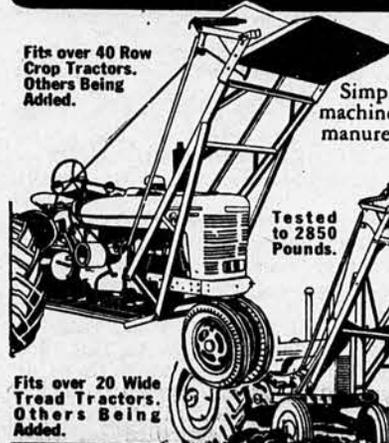
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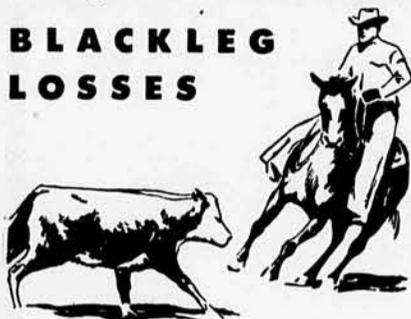
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Price Support Offerings

(Continued from Page 7)

is advertised as guaranteeing farmers high incomes and consumers low food prices, thru Treasury checks virtually subsidizing part of everybody's grocery bills.

President Truman has indicated he will take the stump himself to help sell the Brannan Plan—high cash income for farmers, cheap food for city consumers in the 1950 Congressional elections. He has the active support of Secretary Brannan and the Department of Agriculture public relations machinery, plus the aggressively active support of the leaders of organized labor. A farmer-labor combination, they figure, not only may be able to put over the Brannan Plan in the 82nd Congress, but also most certainly could repeal the Taft-Hartley Act. And perhaps in addition enact most of the so-called Welfare State program mandated by President Truman to the 81st (present) Congress, which so far has failed to take advantage of the opportunity offered by the White House.

Under the compromise worked out and passed in the closing hours of the recent session—

Five of the 6 basic commodities—corn, cotton, wheat, rice, peanuts—will get 90 per cent of parity support on 1950 crops, using the old (present) parity formula. For 1951 crops, these commodities will be supported at between 80 and 90 per cent of parity, at the discretion of the Secretary; he also may use either the old or the new (modified Aiken) formula, whichever gives the higher support price level, in figuring parity after 1950. Starting with 1952 crops, the range of support for these basics will be between 75 and 90 per cent of parity. (This means the whole battle will be fought over in the 82nd and succeeding Congresses.)

Tobacco, the sixth basic commodity, is to get 90 per cent parity price support permanently, as long as acreage allotments and marketing quotas are in effect.

Storable non-basic commodities—principally hogs, eggs, chickens, turkeys, soybeans, flaxseed, cottonseed—may be supported at between 75 and 90 per cent of parity, if "feasible." "Feasibility" depends upon the judgment of the Secretary, and the size of Congressional appropriations.

Whole milk, butterfat, dairy products generally, are eligible for price supports starting in 1950 at from 75 to 90 per cent of parity (new formula, which is higher than the old on these products). Potatoes, tung nuts, mohair, are eligible, starting 1950, to be supported from 60 to 90 per cent of parity.

The Secretary of Agriculture is given broad authority to support other commodities, all the way from zero to 90 per cent of parity—if he feels able and willing, finds it is feasible—and Congress votes him the funds.

This observer is indebted largely to Wayne Darrow (Washington Farmer) for the following analysis of what the Department may be expected to do—his information as to Department intentions has been very reliable in the past.

Depending on funds left after storable crops are taken care of in 1950, hog supports probably will be kept in line with 90 per cent of old parity.

Eggs likely will get 60 per cent of new parity (lower than old formula on eggs); probably 30 cents a dozen, present support is 35 cents (average farm price, seasonally adjusted).

Irish potato 1950-crop support, 60 per cent of new parity; about \$1.60 a hundredweight compared with \$1.80 on the 1949 crop.

Wool and mohair, mandatory supports provided at between 60 and 90 per cent new parity. Language of the bill probably means 90 per cent for several years to come; about 46 cents, compared to 42.3 cents this year. Tung nuts somewhere between \$61 and \$91 a ton.

Feed grains (eligible for 75 to 90 per cent, but hedged with language on "feasibility" and subject to funds) may in practice be anywhere up to 90 per cent.

Cottonseed gets \$13 a ton raise in "parity" under new formula. But 1950 support, if allowed, is likely to be at 75 per cent of new parity, around \$49 a ton, compared to \$49.50 this season. (Darrow's own estimate on 1950

feed grains—oats 67 cents a bushel instead of present 65; barley \$1.06, a drop of 3 cents; grain sorghums, down 9 cents to \$2 a hundredweight; rye, \$1.23 cents a bushel, 4 cents under this year.)

Soybeans are eligible for 75 to 90 per cent new parity price support; \$1.89 to \$2.27 a bushel. May get 90 per cent of old parity for 1950—\$2 a bushel or a little more.

Probable cotton support price for 1950, about one cent below 1949, which averages 27¼ cents for ¾ middling.

Wheat—Using old parity formula gives higher support than Anderson or Aiken. Present support price, \$1.95 a bushel; could be \$1.87 for 1950 if farm costs go down.

The 1949 corn support rate is \$1.40 a bushel. Might drop to \$1.35 for 1950. The corn marketing quota provisions apparently have been loosened up enough that Department may not ask for quotas—maybe. Acreage allotments are considered certain; probably about a 20 per cent cut in acreage; subject to change if conditions change much.

The new parity formula for tobacco hikes supports (1950) for flue cured, 43.6 cents a pound compared to 42.5 cents 1949; burley around 43.9 cents compared to 40.3 cents this year.

Rice is due for a 20 cent uppage; present support price is \$1.78 a bushel. Acreage cut (allotment) of close to 20 per cent seems likely; probably no marketing quotas.

Present dairy supports are around 60 cents for butterfat; \$3.14 for factory milk, 3.95 per cent test. This would be about 80 per cent of new parity. Dairy folks believe the mandatory 75 to 90 per cent support means they will get 90 per cent in 1950. The level by statute will assure "an adequate supply."

Here are Wayne Darrow's estimates (as of next January 1) of the difference between old and new parity, based on an expected small drop in farm costs by that time—(comment of this observer): might not happen, what with strikes, new foreign aid commitments, and increased military expenditures; this combination could have inflationary effects until surpluses accumulate sufficiently to cause an explosion:

	Old Parity	New Parity
Milk, cwt.	\$ 3.84	\$ 4.45
Butterfat, lb. . . . .	.631	.715
Wool, lb. . . . .	.439	.51
Hogs, cwt.	17.45	19.05
Cattle, cwt.	13.00	16.95
Eggs, doz. . . . .	.516	.488
Chickens, lb. . . . .	.274	.294
Potatoes, cwt.	2.90	2.65
Soybeans, bu.	2.30	2.58
Cottonseed, ton	54.10	67.00
Flax, bu.	4.05	4.31
Oats, bu. . . . .	.958	.828
Barley, bu.	1.48	1.22
Grain sorghums	2.70	2.42
Rye, bu.	1.73	1.54
Dry Beans, cwt.	8.09	8.57

Good Hired Hand

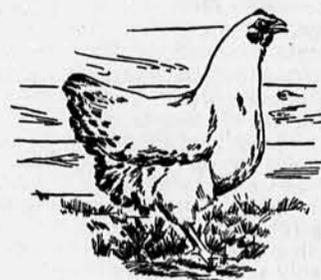
No one can give a close estimate, says the U. S. Department of Agriculture, of the number of 4-H boys and girls who have found time to carry an extra "project" or two because an electric motor does monotonous pump-handle or crank-handle jobs which earlier generations had to do by hand.

Electric power has taken the grind out of turning the grindstone to sharpen the sickle bars of mowers. The electric pump operates when there is no breeze to turn the windmill. Many kinds of farm equipment that used to call for crank-handle power now come with motors built in—cream separators and sheep shears, for example. Others such as washing machines, sausage grinders and stuffers, and grain grinders may have either built-in motors or belt drive. Crank-driven fanning mills and small corn shellers usually can be adapted to belt drive, as can most other small machinery.

Many farmers find it practical to include a small portable motor in the equipment bought to make full use of newly connected electric power. There are several methods of holding the motor in place in the correct relation to the drive pulley. One is a "hook-and-eye" arrangement with hooks on the motor base and eyes on the machine. With this the motor can rise or fall an inch or two after it is moved and anchored. Then the weight of the motor acts to tighten the belt enough for small power purposes.

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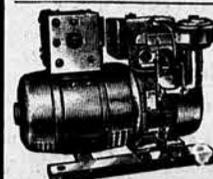
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From a Marketing Viewpoint

By H. M. Riley, Livestock; John H. McCoy, Feed Grains; Paul L. Kelley, Dairy Products; Joe W. Koudele, Poultry and Eggs.

Could I buy corn and feeder pigs or some sows to farrow soon and expect anything for my work by the time they are ready for market?—M. D.

At present it appears that purchase and feeding of pigs for early-spring market would be profitable. Good, thrifty weaning pigs weighing about 35 pounds recently were selling for about \$10 a head at a local auction. Pigs weighing 50 to 60 pounds were selling for about \$16 a head. One difficulty in buying pigs is that there are relatively few such pigs being offered for sale, and demand for pigs to run behind cattle in feed lots is strong.

The hog-corn feed ratio is exceptionally favorable. (This ratio expresses the number of bushels of corn which can be purchased with 100 pounds of hogs.) Corn at local points is selling at less than \$1 a bushel. Hog support prices next March are \$16.20. If corn was bought this fall and fed to pigs to be sold on the March market a feeding ratio of about 16 to 1 would seem probable, assuming hog prices will not drop below support levels. The average feeding ratio for the period 1928 to 1947

was about 11.8 to 1. It would seem advisable to purchase corn this fall for a hog-feeding enterprise.

Purchase of sows to farrow soon might be profitable but seems less promising than purchase of pigs which could be marketed before the fall pig crop begins to move to market in volume.

What effect will the new farm bill have on wheat prices?—W. C.

Provisions of the new farm bill that are expected to be put into effect for supporting the 1950 wheat crop are almost identical with the program now in effect. The assurance of a definite program is expected to lend some strength to current wheat prices. However, probably more important in the short-time price trend is the rate of selling by wheat owners and governmental activity in purchasing for export. Actions of wheat owners so far this season indicate selling will not reach market-depressing proportions until prices advance slightly above loan levels.

If the export goal is to be achieved an increase in governmental purchasing may be expected sometime during the season. However, a substantial quantity of old wheat was carried over by the Commodity Credit Corporation and active purchasing on the current crop is not expected in the near future.

What is the situation in production of non-fat, dry milk solids as a result of the support program?—H. K.

Production of non-fat, dry milk solids has been increasing for some time. August production was the largest for the month on record, and production to date this year has greatly exceeded the production of any corresponding period of previous years. The principal outlets for this product are sale to the government and commercial use in the baking industry.

What publication or news service would be best to buy so I will be able to follow the turkey market?—G. M.

During the turkey-marketing season, the U. S. Department of Agriculture issues Special Turkey Market Reports. A brief statement of daily market conditions and price quotations is given for each of the nation's major markets. This report may be obtained free by writing to the Dairy and Poultry Market News Service, Production and Marketing Administration, USDA, 623 South Wabash Avenue, Chicago, Ill.

Coming Events

November 5-13—All U. S., National 4-H Club Week.

November 7—Scott county farm-management association meeting, H. C. Love, KSC Extension economist, leader.

November 7—Norton county, county 4-H achievement dinner sponsored by Norton Chamber of Commerce.

November 7—Pottawatomie county, county 4-H Council meeting at St. George high school, 8 p. m.

November 7—Osage county, school on gardens and entomology, Lyndon.

November 7-9—National Polled Hereford show, Memphis, Tenn.

November 8—Harvey county poultry day, Leo Wendling and M. E. Jackson, leaders.

November 8—Pottawatomie county, community meeting, Green township.

November 8—Barton county, 4-H achievement party, City Auditorium, Great Bend.

November 8—Norton county, county farm management organization meeting to explain farm management association work, Legion Hall, Norton.

November 8—Haskell county, 4-H Achievement banquet, high school auditorium, 7:30 p. m., Satanta.

November 8—Seward county, Liberal Chamber of Commerce will entertain the Seward county 4-H Clubs at Annual Achievement Day banquet, Liberal.

November 8—Cheyenne county, annual Farm Bureau hop-off meeting before membership drive, St. Francis.

November 9—Pottawatomie county, community meeting, St. Clare township.

November 9—Barton county, women's advisory committee meeting, Mrs. J. R. Hejny, Otis.

November 9—Finney county, Home Demonstration Unit Women's Achievement Day, Garden City.

November 9—Mitchell county, cattlemen's association fish fry for community commitment, Municipal building, 7 p. m., Beloit.

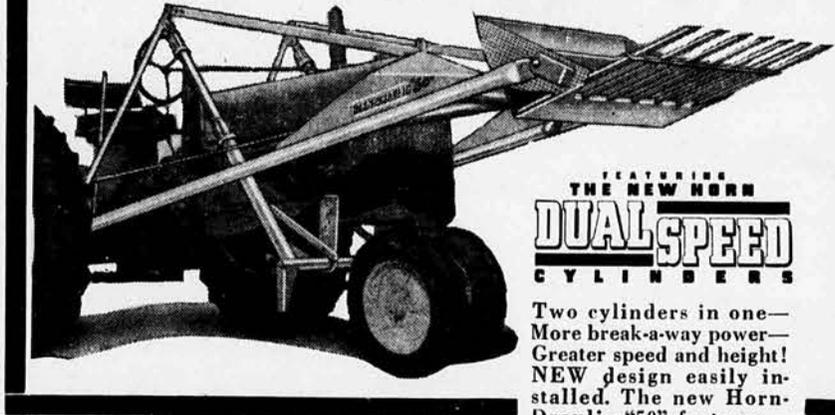
November 9—Osage county, 4-H Club Achievement Day, Osage City.

November 10—Pottawatomie county, community meeting, Grant township.

November 10—Barton county, Rural Life Meeting, Court House, Great Bend.

November 10—Finney county, 4-H Achievement party, Garden City.

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Carlots Fat Cattle, Sheep and Swine
National Sheep Shearing Contests

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National 4-H Club Congress

Western Land Roller PUMPS FOR IRRIGATION

CENTRIFUGAL and TURBINE

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

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

WRITE FOR INFORMATION

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

More Eggs the new sure way with Ames In-Cross INbred CROSSbred chicks

Ames In-Cross, Inc., Ames, Iowa

BRED like hybrid corn, Ames In-Cross chicks are the newest development in poultry. They combine — highly intensified — the most profitable characteristics of standard pure-bred poultry. Ames In-Cross chicks have won the unqualified praise of farm and specialized flock owners. Here's what our customers say about Ames In-Cross: "Lay earlier—longer, produce uniform eggs on less feed." Cash in on this outstanding new chick. Decide now to start a flock that pays all through the year. Be assured of more cases of eggs next year. Order NOW from your nearest authorized Ames In-Cross hatcheryman for spring delivery.



Write for complete information. It's free! Address Dept. F

Housed 190 out of 200 pullet chicks. Layed 75% in 5 months.
Earl Lantz, Anita, Iowa

Uniformly higher production than standard breeds.
Mrs. Herman Blatterger, Storm Lake, Iowa

Livability in chicks and hens exceptionally good. No shut down on lay even at 70 below.
Marvin Jackins, Holstein, Iowa

None as thrifty or lay so early as Ames In-Cross.
Mrs. Will Roberts, Ainsworth, Iowa

Chicks grow fast and uniformly. No death loss in seven weeks.
John R. Torman, Graymond, Ill.

BUY AMES IN-CROSS Chicks From the Following Hatcheries

Order Your Ames In-Cross Chicks Here

Pullets—Cockerels—Straight Run. Also featuring Austra-White, White Rock, White Leghorn, New Hampshire Red, Leg. Hamp. Hatching 52 weeks in the year. For 100% tested, production bred chicks

Write, Phone or Come in

Arens Hatchery
P. O. Box 668
Emporia, Kansas

Kansas Largest Distributor of AMES IN-CROSS CHICKS

The most talked-about chickens. It combines the best qualities of four ordinary breeds. Come in and let us explain this cross to you. It'll mean money in your pocket. Write

Mallory Hatchery
Hutchinson, Kansas

Ames In-Cross Chicks

Bred like Hybrid Corn. Produces at lowest cost per dozen eggs. Our supply limited with heavy advanced bookings. A trial order booked early this fall for next springs delivery will prove their quality. Write us today.

Shaw Hatcheries
Ottawa, Kansas

Your Ames In-Cross Baby Chicks

will be hatched at our own hatchery from breeding stock supplied by the Ames In-Cross Breeding Farms. See us about the advantages you have in raising AMES IN-CROSS chicks.

Bockenstette's
Hiawatha, Kansas

Get more profit with Ames In-Cross 301 Chickens!

More eggs. Longer laying period. Egg quality. Lower death loss. Fewer culls. Uniform body weight, size. Less broodiness. Yellow skin. Lower cost per dozen eggs. Write or see about these chickens.

Frutiger Hatchery
Smith Center, Kansas

INVESTIGATE

The superiority of Ames In-Cross chicks and you'll be convinced of their value as an all-round chicken for the farm. Come in. Let us show you what they are doing in Sumner County.

Stearns Hatchery
Wellington, Kansas

THE GOOD YOU DO lives on and on

That is doubly true when it refers to a donation to The Capper Foundation for Crippled Children, Topeka, Kansas.

Livestock Advertising Rates

1/4 Column inch (5 lines) . \$3.00 per issue
1 Column inch 8.40 per issue
The ad costing \$3.00 is the smallest accepted.

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

JESSE E. JOHNSON, Livestock Editor
MIKE WILSON, Fieldman.
Kansas Farmer - - - - - Topeka, Kansas

Classified Advertising Department

KANSAS FARMER Classified Advertising

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

Livestock Ads Not Sold on a Per-Word Basis

Column Inches	Cost Per Issue	Column Inches	Cost Per Issue
1/4	\$4.90	2	\$19.60
1/2	9.80	3	29.40

Minimum—1/2-inch.
Cuts and borders are permitted only in Poultry, Baby Chicks, Livestock and Pet Stock Ads. Write for special display requirements.

BABY CHICKS

Baby Chicks—10 breeds, surplus pullets, \$12.95; Assorted heavies, \$6.85; Mixed assorted, \$6.45; Left-overs, \$4.95; Barnyard special, \$3.95; Odds-ends, \$2.95. 100% alive. F.O.B. Send money order. Clinton Chick Store, Clinton, Mo.

DUCKS AND GESE

Domesticated Canadian Geese, Mallard, farm raised. Price free. Lowell Church, Fairmount, Ill.

PLANTS AND NURSERY STOCK

Strawberries—Everbearing Streamliners, Gems, 100—\$2.00. Blakemores, Aromas, Klondykes, 250—\$2.00. 1,000—\$3.00. Boysenberries, Raspberries, Blackberries, 5c. Champion Gooseberries, Concord Grapes, Rhubarb, Asparagus, 15c. Postpaid. A. J. Simmons, Mountainburg, Ark.

Quick Bearing Fruit and nut trees, shade trees, grape vines, berry plants, everblooming rose bushes and flowering shrubs at money saving prices. State and federal inspected. Satisfaction guaranteed. Write today for free colored catalog. East's Nursery, Amity, Ark.

Strawberry Plants. We have the following ready for shipment: Per 100. Senator Dunlap, 90c; Blakemore, 90c; Missionary, 90c; Aroma, 90c. Per 1,000, any variety, \$7.00. All berry plants postpaid. (Wanted, walnuts and hickory nuts.) Hayes Seed House, Topeka, Kansas.

50 one-year-old Concord grape vines, \$3.25. Ponzer Nursery, Rolla, Missouri.

FARM EQUIPMENT

Brower Hog Equipment, Waterers, feeders, oilers. Pig brooders. Designed and used by leading hog men. Low, money-saving prices. Write for literature, prices. Brower Mfg. Co., Dept. Z3, Quincy, Ill.

HOME EQUIPMENT

Order Stove Parts Direct and save money. Complete stock repair parts for stoves, ranges, space heaters, tank heaters, furnaces back to 1888. Guaranteed to fit. Give manufacturer's name, complete description and part number if possible. Low price quoted immediately. Blue Belle Co., Dept. C, 1307 Howard St., Omaha, Nebr.

AUTOMOTIVE

Chevrolet Parts, new motor or body. Immediate shipment. O'Keefe, 7517 Merrill, Chicago.

LIVESTOCK ITEMS

Make More Profit under average farm conditions. Raise Milking Shorthorns. For average farmer. Milking Shorthorns are unbeatable. Produce 4% milk. Have greater carcass value than other breeds. Second to none in producing milk and meat from home-grown roughage and grain from your farm! Free facts. Or subscribe to Milking Shorthorn Journal. Six months, \$1.00; one year, \$2.00; three years, \$5.00. American Milking Shorthorn Society, 4122 So. Union Ave., Dept. KF-5, Chicago 9, Ill.

DOG

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

Shepherds, Collies, Heelers, Watch Dogs. Zimmerman Farms, Flanagan, Illinois.

EDUCATIONAL

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

Make Up to \$35—\$45 Week as a Trained Practical Nurse! Learn quickly at home. Booklet free. Chicago School of Nursing, Dept. F-11, Chicago.

LOANS, SAVINGS, ETC.

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

PRODUCE WANTED

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

OF INTEREST TO WOMEN

Plastic Food-Saving Bags. Keep vegetables, fruits, meat, fish, cheese tasty-fresh. Prevent odors from spreading in refrigerator and deep-freeze. Easy-to-wash, 8"x16" plastic bags wear like iron. Five for \$1. Money-back guarantee. Send now for your supply. Glenn-Scheer, 1815 N. Edgemont St., Los Angeles 27, Calif.

HAIR SHAPER

professional item used by Beauticians to thin and shape hair. Make your home "Kit" complete. \$3.00 postpaid. Red Regalia, Box 467, Louisville, Ky.

ENSTEDE MATERNITY

Seclusion Hospital for unmarried girls. State licensed. Working reduces expenses. 4911 E. 27th, Kansas City, Mo.

SEND RAW WOOL

direct to factory for fine blankets, robes, saddle blankets. Free booklet. West Texas Woolen Mills, 410 Main, Eldorado, Texas.

QUILT PIECES

3 pounds colorful cotton prints, \$1.49; cotton strips for rugs 5 pounds, \$1.98. Postpaid. Crittenden, Lombard 5, Ill.

SOAP, CASTILE, PURE, LEMON OR WHITE.

3-lb. bars, makes gallons shampoo. \$2.00 postpaid. Box 467, Louisville, Ky.

FEATHERS WANTED

We Pay You More! Get highest cash prices for new goose and duck feathers. Ship today! Checks mailed same day feathers received. We also buy old feathers. Send samples for price quotations. Company well rated. West Chicago Feather Co., Dept. CG, 4456 W. Fillmore St., Chicago 24, Ill.

PETS

it's fun to earn

RAISING HAMSTERS

Cash in on the growing demand for SYRIAN GOLDEN HAMSTERS recently introduced into the U. S. Ideal pets . . . big laboratory demand. Hardy, clean, odorless. Easily and profitably raised anywhere.

AKOPIAN HAMSTERY
the largest in the West
7358-AA Varna • Van Nuys, Calif. write for FREE illustrated booklet



RABBITS AND PIGEONS

Make Money! Raise Chinchilla Rabbits. Real profits from breeders, fur, meat, laboratories. Easy! Pleasant! Write today! Rockhill Ranch, Sellersville 63, Penn.

FILMS AND PRINTS

Photo Xmas Cards

Get your Photo Christmas Cards now. 18 cards and envelopes \$1.00. from your negative. Add 25c if you send a picture. Send for price list on regular work.

SUMMERS STUDIO, UNIONVILLE, MO.

16 Enlarged, Jumbo, oversize deckled print from any 8-12-16-20 or 36 exposure roll film developed only 35c and this ad. Electronically exposed. Enlargement coupon free. Skrudland, 6444-H Diversey, Chicago.

18 Christmas Cards and envelopes \$1.00. 60—\$3.00. Send negative. Your 8-exp. roll with 3 prints each good negative 45c. 2 each good negative 35c. One each good negative 25c. Reprints 3c. L. V. Eastman, Bode, Iowa.

FOR THE TABLE

HONEY

CLOVER—New Crop
60-lb. can, \$12.00 FOB, or \$13.35 delivered by rail to 500 miles.

Hahn Apiaries
1715-K Lane Topeka, Kan.

Paper Shell Pecans. Delicious taste. Southern grown. Makes excellent gifts. 5 pounds \$2.00; 25 pounds \$8.75. Murdock Plantations, Farmington, Ky.

1949 Finest Quality, extracted clover honey, 60 lbs. \$7.50; 30 lbs. \$4.50. Clifford Overbaugh, Frankfort, Kan.

Ent Delicious Honey for health, energy, vitamins and minerals. 5 pounds \$2.00. Write for quantity prices. Murdock Farms, Farmington, Ky.

HELP WANTED

MAID WANTED

We have an excellent place waiting for a white girl, 25-45. Light housekeeping and care of three children. Other help employed for heavy housecleaning and laundry. Private room, time off, considerate treatment, \$100 per month. Must have experience and reference. Write 6740 Pennsylvania, Kansas City, Missouri, enclosing photograph.

Woman to Earn \$15-\$20 daily full time. No delivery, collecting or canvassing. Age 25-40. No experience required. Car essential. Give phone number for interview. Write W. H. Vickery, Sales Manager, Empire Crafts Corporation, Newark, New York State.

Girl or Lady for housework and cooking to live with family of four, two small children. Salary, board, private room, in Kansas City's Johnson county. Write age and qualifications, Kansas Farmer, Box 665, 912 Kansas Ave., Topeka, Kan.

Sewing Machines—Guaranteed new and rebuilt Singers and others. Electric and treadles. Lowest prices. Free catalog. Shelton Sewing Machine Co., Dept. 8, 240 25th Street, Newport News, Va.

FARMS—KANSAS

300 Acres River Bottom, 2 miles town, well improved, best corn, wheat or alfalfa land, \$100. Godsey, Emporia, Kan.

FARMS—MISCELLANEOUS

1,760 Acres Yuma County, Colorado. Improved stock farm. 325 acres sowed to small grain. Price \$32,500. Easy terms. Louis Miller, Frankfort, Ind.

New Free Winter Catalog, farm bargains, many equipped, illustrated, several states! United Farm Agency, 428-KF, BMA Bldg., Kansas City 6, Mo.

Farms-Homes; 124-page catalog, 2,790 bargains, 35 states, mailed free. Strout Realty, 20 West 9th St., Kansas City 6, Mo.

MISCELLANEOUS

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

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

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

Used Army Raincoats—Rubberized inside. Khaki colored, \$1.50 each. Satisfaction guaranteed. B. Butts, Sharon, Tenn.

REMEDIES—TREATMENTS

Free Book—Piles, Fistula, Colon-Stomach, associated conditions. Latest methods. Thornton & Minor Hospital, Suite C1106, Kansas City, Mo.

November 19 Will Be Our Next Issue

Ads for the Classified and Livestock Section must be in our hands by
Friday, November 11
If your ad is late, send it in Special Delivery to 912 Kansas Ave.



IN THE FIELD



Jesse R. Johnson
Topeka, Kansas
Livestock Editor

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

A recent issue of Kansas Farmer carried an advertisement of 11 head of Holstein bred heifers offered by the veteran breeder **W. H. MOTT**, of Herington. The entire lot went to the first visitor, Orville Olson, of Council Grove. Heavy inquiry for dairy cattle indicates a most unusual demand, according to Mr. Mott. He could have sold several times the number.

The **W. W. GRABER** dairy cattle sale held at the farm near Pretty Prairie, October 6, was attended by about 1,000 buyers and visitors. One hundred and fifty head were sold. The top female sold for \$400. The buyer was W. B. Carter, of Wichita. Buyers came from many sections of the state and prices received were highly satisfactory. Boyd Newcom and Charles Davenport were the auctioneers.

NORTHEAST KANSAS AYRSHIRE BREEDERS' ASSOCIATION held their annual consignment sale, at Ottawa, September 29. This year's sale was attended by more breeders and buyers than any previous one. Quality of the offering was very high. Cows sold as high as \$415 a head. This was an indication that demand for good Ayrshires in Northeast Kansas is steadily increasing. Prices received for the entire offering was very satisfactory with the consignors. Mike Wilson, assisted by local auctioneers, conducted the sale.

Members of the **WESTERN KANSAS SHORT-HORN BREEDERS** held a feature sale on October 15 at Hays. Forty-one females were sold for an average of \$238. Sixteen bulls averaged \$274. Fifty-seven head rolled up a general average of \$248. Guy Chafin, of Kinsley, paid \$375 for the top-selling bull. Matt Mortz, of Tipton, paid \$360 for the top-selling female. Mervin F. Aegerter, of Seward, Neb., very capably managed the sale. C. D. "Pete" Swaffer, assisted by men of the livestock press, conducted the sale.

The **E. W. BRECKENRIDGE** Polled Milking Shorthorn sale held at Stilwell was well attended and prices quite satisfactory. Roy Bunger, of Council Grove, was the heaviest buyer, as well as buying the top price of the day. He secured 8 cows and one baby calf for a total of \$2,925. Walter W. Dunlop, of Parker, was the second high top buyer taking 5 head at a total of \$1,525. Thirty cows sold for a total of \$9,110, an average of \$303.69. The 35 head sold averaged \$298. Roy Paul was the auctioneer. Brink & Blagg assisted. Bill Dixon interpreted the pedigrees.

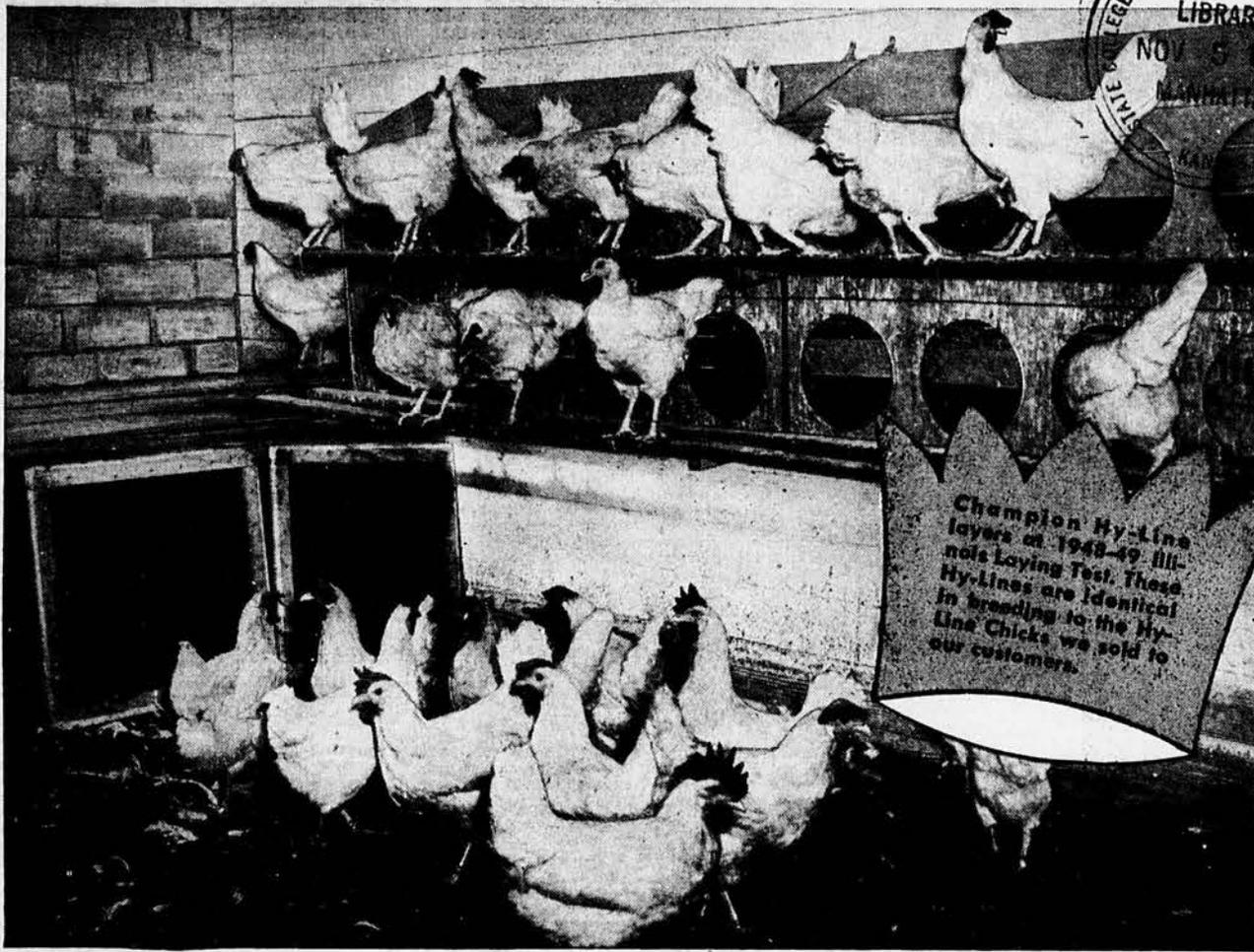
The annual Spotted Poland China boar and gilt sale of **CHESTER PARKER & SONS**, of Leona, was held at the Civic Center Building in Horton, October 6. Raymond Small, of Leona, paid \$100 for the top-selling boar. James Huss, of Huron, paid \$87.50 for the top gilt. Boars averaged \$89. Gilt made an average of \$59. Forty head sold for a general average of \$74 a head. Around 200 buyers and spectators attended the sale. The Parkers are known for their good, thick-fleshed, deep-bodied, good-legged Spotted Polands. And this offering certainly was up to par.

The **KANSAS STATE DUROC ASSOCIATION** held its annual sale at Horton, October 8, with a very good attendance. Fifty-seven head sold at a general average of \$88.60. The boar average was \$98.73 on 30 head, with a top of \$195 paid by Willard Waldo, of DeWitt, Neb. The gilt average was \$77.50 with a top of \$200 paid by Victor Goering, of Halstead. Fifty-six of the 57 head stayed in Kansas. Local demand was only fair, due probably to the rather busy season on the farms of the locality. The offering was very well fitted, according to Secretary Fred Germann. H. J. McMurry was the auctioneer.

The Hereford dissolution sale of **RALPH J. FRYOR** and **EDWIN BROWN** was held at TP Ranch southeast of Eureka, October 1. Fred Koch, of Wichita, bought the top bull, a November 22 yearling, for \$750. Leslie Thoden, a 4-H Club boy from Paola, was the successful bidder on Lena Domino the top-selling female of the sale for \$460. Twelve bulls averaged \$332. Sixty-three females averaged \$359. Seventy-five lots of cattle made a general average of \$355. Fred Koch, of Wichita, was the heaviest buyer. He purchased several top-quality females. Charles Corlike and paper representatives conducted the sale.

ROY KOCH, of Bremen, made history for the Chester White breed the night of October 11, at the Marysville sale pavilion. This was Mr. Koch's annual Chester White boar and gilt sale. Percy Lockwood, of Allen, Neb., paid \$250 for Mr. Koch's 1949 Nebraska junior champion boar. This was the top price paid for boars in this sale. Chester Gullikson, Bath, S. D., paid \$195 for the top-selling gilt. Boars in this sale averaged \$100 a head. Gilt made an average of \$102.50 a head. This being a national record on Chester White gills for the 1949 boar and gilt sale season. The 44 head of Chester Whites sold made an average of \$101 a head. Several hundred breeders, farmers and visitors attended this sale. The offering was very well fitted and was presented to the buyers in excellent condition. Bert Powell sold the sale.

There was a broad demand for good Angus cattle shown at the dispersion sale of the **PAUL WHITEMAN** herd at Silvertop Farms, Belton, Mo., August 18. Buyers were present from 7 states: Missouri, Kansas, Iowa, Ohio, Oklahoma, Texas and West Virginia. Six bulls brought \$4,750, with an average of \$791. Sixty-nine females brought \$34,605, averaging \$501. Seventy-five lots brought \$39,355 with an average of \$524. Top-selling bull was lot 1 at \$2,100. Blackbird Bandolier of Anoka 13th, selling to Staley Farms, North Kansas City. Thirty-eight daughters of this lot 1 bull brought \$21,105, averaging \$555 in this auction. Females sold up to \$1,325, with lot 8, Bandolier's Enchantress WHR, a 5-year-old daughter of the lot 1 bull, and her heifer calf by Bandolier of Prospects 2nd, bringing that figure on the bid of Pioneer Coal Company, Walker, Mo. The sale was conducted by Col. Ray Sims and was under the management of J. B. McCorkle, assisted by men of the press.



Hy-Lines! CHAMPION LAYERS

at 1948-49 Official Illinois Laying Test



Hy-Line hens have been champion individual layers each year for five straight years at Illinois Laying Tests. Above photo shows Hy-Line hen, the champion for 1948-49. Official record: 298 eggs; 314.35 points.

Again this year, Hy-Lines are the champion layers at the Illinois Egg Laying Test. Hy-Lines averaged 227.8 eggs per bird for the laying test year, according to the official report issued by the Illinois Department of Agriculture. Three principal standard breeds averaged 158.2 eggs per bird. The difference is 69 eggs (5 3/4 dozen) per bird in favor of Hy-Lines. Table below shows the comparison:

Breed	No. of Birds Entered	Total Eggs Laid	Av. Eggs Per Bird
Hy-Lines	65	14,808	227.8
Leghorns	117	19,889	169.9
White Rocks	65	9,739	149.8
New Hampshires	117	17,674	151.1
SUMMARY: Hy-Line vs. Standard Breeds			
Hy-Lines	65	14,808	227.8
Standard Breeds	299	47,302	158.2
			Difference in favor of Hy-Lines
			69.6

HY-LINES! CHAMPION LAYERS FOR FIVE CONSECUTIVE YEARS
Hy-Lines have been the champion layers for each of the past five years at Official Illinois Egg Laying Tests. They laid more eggs per bird each year than any of the standard breeds. Hy-Lines laid more eggs when the going was tough—bronchitis in 1944-45, and newcastle in 1947-48. Hy-Lines laid more eggs when the going was good—in 1945-46. They laid more eggs when the going was about average. The table below shows comparisons by years between Hy-Lines and the three standard breeds:

Contest Year	AVERAGE EGGS PER BIRD ON HEN HOUSED BASIS			
	Hy-Lines	Leghorns	White Rocks	New Hamps.
1944-45	206.2	123.2	149.7	131.2
1945-46	234.2	188.5	154.8	165.7
1946-47	227.7	185.6	165.4	160.0
1947-48	215.2	178.0	128.1	145.5
1948-49	227.8	169.9	149.8	151.1
5-year average	222.2	169.0	149.5	150.7
Difference in favor of Hy-Lines		53.2	72.7	71.5

ILLINOIS TEST RECORDS ARE OFFICIAL: These Egg Laying Tests are conducted by the Illinois Department of Agriculture. All birds entered each year receive identical feed and management. Records made are official trapnest records.

PLACE YOUR ORDER NOW FOR 1950 HY-LINE CHICKS

The demand for Hy-Line Chicks is greater than the supply. So place your 1950 order right away to be sure. A small deposit reserves your 1950 Hy-Line Chicks now.

ORDER EARLY HATCHED HY-LINE CHICKS

Regardless of time hatched Hy-Line pullets commonly produce from 50% to 80% each month for a complete year or more. January hatched Hy-Lines reach peak production in August and September, when egg prices are rising. You get a higher egg income by selling more high price eggs. Start early hatched Hy-Line Chicks in 1950.

Write for our
new FREE
Hy-Line Chick
Catalog



HOGS

Poland China Choice Spring Boars



Wide backed, heavy hammed. Medium farmers type.

RAY SAYLOR & SONS
Manhattan, Kansas

OFFERING CORRECT TYPE REGISTERED POLAND CHINAS



Spring boars and open gilts. Good breeding, width, length, good bone and legs with a lot of quality. Consistent prices. Double immuned.

FLOYD BRIAN, Mulvane, Kansas

BAUER'S OFFER TOPS IN APRIL BOARS

Same breeding as sold in our recent record Poland China bred sow sale. Farmers type. Priced reasonable. **BAUER BROS., Gladstone, Nebr.**

REGISTERED SPOTTED POLAND CHINAS

September pigs \$26 with, \$25 without papers furnished. Plenty to choose from. Good thrifty pigs.

HARRY LOVE, Rago (Kingman County), Kan.

SPOTTED POLAND CHINA BOARS

For sale. Well grown, thrifty, registered and double immuned. Paradise Valley Farm.

RANDALL TUCKER, Prop., Codell, Kansas

REG. SPOTTED POLANDS

Choice spring boars by Sunset and Rucker breeding. Also unrelated weanling pigs. **EVER GREEN FARM, Herbert Holliday, Berryton, Kansas.**

Pride of the West DUROC BOARS

Best of breeding, new blood for old customers. Vaccinated and guaranteed.

WELDON MILLER & SON, Norcatur, Kan.

Shepherds Super Durocs

Excellent February and March boars sired by Lo-Thickmaster Super Spotlight. Perfect Trend. Boar battery 2d to none other. Siring the kind that suit the farmer, breeder and packer. Deep, thick, real quality kind. Low built, rich red. Nicely grown. We can please you at a reasonable price. Kansas oldest herd. See these before buying.

G. M. SHEPHERD, Lyons, Kansas

DUROC BOARS FOR SALE

Fancy King, a really thick, heavy boned, well balanced son of Lo-Down Fancy; spring boars sired by him. Others by Cherry Prince and Hoosier Hustler.

LESLIE STEWART, Americus, Kansas

ROEPKE'S DUROCS

Now offering quality Spring Boar and Gilts. Medium type, several leading bloodlines to choose from. Old or new customers.

ARTHUR E. ROEPKE, Waterville, Kansas

DUROC FALL GILTS

Sired by Double Sensation and bred to the top son of Fleetline, Iowa grand champion. Fancy Spring Boars by Modern Supreme, Nebraska champion boar. A few by Double Sensation.

B. N. HOOK & SON, Silver Lake, Kan.

OFFERING CHOICE DUROC BOARS

Big, thick, dark red, good-doing kind. Registered and double immuned. Guaranteed breeders. Shipped on approval.

CLARENCE MILLER, Alma, Kansas

KAWVALE YORKSHIRES

Commercial Men—Breed your good sows to a Yorkshire boar. It will reduce your lard production considerably. Registered boars for sale. No bred or open gilts for sale at present. Our prices are reasonable.

REX J. KENT, Manhattan, Kan., Rt. 1
On Highway 40, 7 Miles Southwest

Yorkshire Spring Boars

Sired by Hanback 43 B Illinois 1948 junior and grand champion. Registered. Vaccinated. Satisfaction guaranteed.

L. V. HANBACK, Rt. 2, Winchester, Ill.

REGISTERED YORKSHIRE BOARS

Sired by Nebraska grand champion for fall breeding. Breeding season will soon be here. Get your boar now. **JESS L. THURMOND FARMS RFD 2, Florence Station, Omaha, Nebraska**

Champion Carcass of the World

Our Yorkshire Barrow Raise Yorkshires for less lard, larger litters. High winning herd of the breed, Illinois, Ohio and Maryland. Illustrated circular.

YALEHURST YORKSHIRE FARM, Peoria, Ill.

WHITE STAR FARMS OFFER CHESTER WHITES

Choice Chester White spring boars ready for new homes. Grand champion bloodlines. Immuned.

JULIUS PETRACEK & SONS
Phone 12F32, Dresden, Kan. Oberlin, Kan.

Chester Whites, All Ages

300 Boars, 200 Gilts—open or bred, 50 Yearling Sows, weanling pigs, choice ones for Club Boars. Sired by grand champions. Big litters.

Bloom & Sons Chester White Ranch, Corning, Ia.

One of the outstanding Holstein sales of the season was held at Abilene, October 18, when **JOHN BELL**, of Abilene, **LEONARD KUHLMAN** and **ART QUINN**, of Bennington, held a combined sale of grade Holstein cattle. One hundred and twenty head were sold in this sale for an average of \$225. A large portion of the offering was 1948 heifer calves. The cows were sold up to \$485. Yearling bulls sold as high as \$250. It was generally considered this was one of the fastest and best auctions held so far this season. E. A. Dawdy, of Salina, managed the sale. Mike Wilson, assisted by local auctioneers, conducted the sale.

BAUER BROTHERS, of Gladstone, Nebr., drew a fine fall day for their annual Poland China bred sow sale held at Fairbury, Nebr., October 19. About 150 farmers, breeders and spectators made up the sale attendance. Fifty-five well-conditioned, improved-type sows were sold at a general sale average of \$102. The boar average was \$160. The top-selling boar went to Floyd Friedow & Son, Kanawha, Iowa, at \$600. Second high boar sold for \$560, also going to an Iowa breeder. The top female sold for \$130. The buyer was Ed Forrest, of Mt. Vernon, Iowa. Ten head found new homes in Kansas. H. S. Duncan was the auctioneer.

RICHARD SCHOLZ, well-known Ayrshire breeder of Lancaster, dispersed his excellent herd at the farm on October 7. Many breeders commented that this sale offering was one of the best of the breed ever offered in Kansas. The well-known herd sire, Cavalier's Stand Aside, was purchased by Twin Oak Farm, of Huron, for \$650. This was the top-selling bull in the sale. Locust Lea Nick, another mature bull that has been used in the Scholz herd for several years, was bought by John C. Keas, of Effingham, for \$550. Cows sold up to \$400 a head. The Scholz cattle made an average of \$300 a head. The auction was conducted by Mike Wilson and local auctioneers.

The **FRANCIS R. WEMPE** Jersey sale held at Lawrence, October 18, was well attended and the offering fairly well appreciated. The general average was \$228.50. The highest priced bull went to W. M. Melzger, of Oneida, at \$415. Twenty-one cows averaged \$301, bred heifers

averaged \$202.50. 10 yearling heifers averaged \$150.75. 5 heifer calves averaged \$93. 4 young bulls averaged \$118. The herd bull sold for \$400. Among the best buyers were Schurle Bros., Manhattan; Cliff Rice, Baldwin; George Wherry, Holton; Joseph Rogers, Holton; N. A. Gish, Junction City. Warren Collins and George Grant were the auctioneers. Sale manager Ivan Gates, of West Liberty, Iowa.

IRVIN P. FRENCH, Duroc breeder of Sparks, sold 33 registered Durocs for an average of \$60 in his October 11 sale. Buyers were from Kansas, Nebraska, Missouri and Idaho. Top boar at \$130 was purchased on order for O. H. Colbert, of Roberts, Idaho. This boar was lot 16 and was sired by Kansas Pride from a litter of 11. Next 2 high-selling boars were half brothers to lot 16 and sold for \$75 and \$77.50. The \$77.50 boar to Harvey Neibling, of Highland, and Boyd Royer, Muscotah, bought the \$75 boar. Roy Horner, of Troy, bought the top gilt, a Kansas Pride gilt at \$80. This buyer took 2 more good gilts at \$72.50 each. N. P. Fleet, Wathena, paid \$75 for a gilt which was 2nd top of the gilt sale. Bert Powell, assisted by Sam Prawl and Charles Foster, conducted the sale.

The **CLAY COUNTY HOG BREEDERS** annual sale was held on the fair grounds at Clay Center, October 15. A good crowd was on hand and 42 head were sold, consisting of Polands, Spotted Polands, Durocs, Berkshires, Tamworths and Chester Whites. Taken as a whole, it was a good representative offering of very well conditioned animals. The entire offering brought a general average price of \$57 per head, not so bad considering the fact that a good many of the pigs were quite young and small. William Pears, of Cleburne, bought the top boar at \$74 and Myron Wohler, Sr., of Clay Center, paid the top price of \$75 for a gilt. The boar average was \$55.95 and the gilt average \$58. Weather was fine and about 250 attended the sale. Dean Williams and Foster Kretz were the auctioneers.

The **G. G. MILLER MILKING SHORTHORN** sale, held at the Miller farm near Arlington, October 20, was attended by about 150. The day was cloudy and cool but buying interest was good. Twenty-five of the 29 head sold to Kansas buyers. General average on the entire offering was \$200.67. Top bull went to Royden Farms, Uniontown, Ala., at \$505, and the top female to Martin J. Miller, of Great Bend, at \$350. The Miller herd had never been on test for production or better prices would have prevailed. Royden Farms also bought a second bull paying a total of \$810 for the two. The 9 bulls averaged \$153, five of them just a few months old. The female average was \$222. William G. Heitman and John Summers, both of Custer City, Okla., each bought a female.

The top-selling female in the **E. E. ROBERTSON MILKING SHORTHORN** sale was the cow Miss Rita selling fresh to L. E. Craig, of Baldwin, for the low figure of \$330. Her baby heifer only a few days old went to Gleason A. Long & Son, of Osage City, for \$150. The next high-selling cow was Sunnycrest Trilixie a nice roan RM 3-year-old selling to James P. Witt, of Topeka, at the low figure considering quality for \$330. Her August bull calf brought \$130. The buyer was James C. Manspeaker, of Garnett. The top bull sold for \$325 to C. B. Kramer, of Malvern. The 10 bulls sold for a general average of \$223. This included calves. Females averaged \$288. The general impression was that the cattle sold considerable below their value. Roy Paul was the auctioneer, assisted by Gus Heidebrecht and Jim Wilson.

The **ROY DOLL** and **J. E. HUGENOT MILKING SHORTHORN** sale, held at Winfield, on October 18, was fine according to Secretary C. O. Heidebrecht. The Doll herd was dispersed and the Hugenot cattle were consigned to the sale. The 52 head sold for a general average of \$302 with a top of \$700, paid by Jesse Jackson, of Augusta, for the excellent cow Doty Dimple. The female average was \$323.55. Bulls averaged \$255 with a top of \$600, paid by Hugenot for the Roy Doll herd bull, Sailors Standard. R. C. Heacock, of Uniontown, Ala., was the heaviest buyer taking 26 head for a total of \$6,690. Mr. Doll lives at Cedarvale, and the Hugenot herd is located at Moline. Second high cow also was purchased by Jesse Jackson at \$600. Gus Heidebrecht was the auctioneer, assisted by Dale Leichter and Joe Hunter.

The **NORTH CENTRAL KANSAS DUROC** sale held at the fairgrounds, Belleville, on October 22, had 29 consignors listed in the catalog. They sold a very desirable offering of well-bred Durocs, and the average made was \$93 on 58 head. Thirty boars averaged \$105, and 28 gilts averaged \$80. Top boar sold for \$180 and top gilt sold for \$295.

Previous to the sale a show was held and Hal Ramsbottom, of Munden, was the judge. Four classes were placed and 3 head in each class were placed in the blue ribbon groups. Those who had boars or gilts in the blue ribbon groups were Vern Hardenberger, Narka; Charles Stuckman, Kirwin; Sidney C. Johnson, Jamestown; Elmer Larson, Belleville; Raymond Duey, Chester, Nebr.; Mervin E. Ferris, Narka; George C. Wreath, Belleville; Elmer L. Rezek, Munden; Ralph Schulte, Little River; William E. Hodgens, Belleville; Morley Brothers, Belleville.

Top of sale was a gilt that was bred for early February farrow. She was consigned by Ralph Schulte, Little River, and was bred to Jayhawk Design. She sold for \$205 to Ed. Blecha, Munden. Second top gilt at \$120 was consigned by Charles Stuckman, Kirwin, and purchased at \$120 by Vern Albrecht, Smith Center. Third high-selling gilt at \$105 was consigned by George C. Wreath, Belleville, and purchased by John Reed, Belleville. High-selling boar at \$180 was consigned by Vern Hardenberger, Narka, and purchased by Melvin Ferris, Narka. Second top boar at \$170 was consigned by Raymond Duey, Chester, Nebr., and purchased by Earl E. Husted, Minneapolis. Charles Stuckman, Kirwin, sold a boar for \$157.50, the third high-selling boar of the auction. He was purchased by Wendland and Germann, Manhattan.

These breeders consigned good hogs and gave the sale good support. Three boars and 3 gilts went to Nebraska buyers, with the remainder going to farmers and breeders in Kansas. Wreath and Morley were the sale managers. Bert Powell, Topeka, was auctioneer, assisted by Glenn McCormick, Cedar; Gene Waring, Chester; Raymond Duey, Chester; Tom Joy, Belleville. Tom Sullivant, of the United Duroc Record Association, also helped in the ring.

The November 9 Central Kansas Holstein sale, to have been held at Abilene, has been cancelled due to the fact that not enough cattle could be obtained for the event.

Dual-Purpose CATTLE

MILKING SHORTHORN PUBLIC SALE

Wednesday, November 9

on farm 2 1/2 miles west of Clonmel or 4 north, 5 miles west of Clearwater, Kan., on gravel road.

44 HEAD

30 Registered Cows and Heifers
10 Calves — 4 Bulls

Hardy and healthy

Bar None Ranch and Borg Farm breeding. Calftlood vaccinated.

CY PAULY & SON
Viola, Kansas

DON'T GO AWAY MILKING SHORTHORN SALE



Junction City, Kansas

Monday, November 7

36 GOOD ONES
Cows — Heifers — Bulls

H. A. ROHRER and OTHERS

Get catalog day of sale.

Registered MILKING SHORTHORNS



of all ages, both sexes, from Excellent R.M. cows to half Beef Shorthorns. From single calves to entire herds. \$100 to \$800 each. Deal with owners without auction risks, hysteria and expense. Write or call for descriptions and locations, stating your exact needs.

HARRY H. REEVES, Rt. 3, Hutchinson, Kan. Phone 55N4, on K17, 4 miles northeast.

Milking Shorthorn Bulls

Serviceable age, out of Record of Merit and Classified Dams. Sired by son of Waschusett Dairyman.

LEONARD D. SHARP, Great Bend, Kan.
7 miles south on Highway 261, then 1/4 mile east

Dark Red Polled Milking Shorthorn Bull

8 months old. Sired by Spring Valley's Mercury 10th. Ancestors high production cattle. Both granddams have high records. Best of Woodside breeding. Sire won at last spring district show (2nd prize aged bull). Priced right.

MAX CRAIG, Osage City, Kansas

Reg. Milking Shorthorn Bulls

Sired by Maid's Duke (Ex.) 2nd place age bull at National Show in 1947. Seven nearest dams averaged 518 lbs. butterfat. From classified and R.M. cows.

H. R. LUCAS & SONS, Macksville, Kansas

SIEMENS' RED POLLS

2 Registered Bulls for sale, 11 and 8 months old. Good type and out of good milk cows. Also 1 registered bred heifer to calve in March. Priced reasonable. Also a few grade heifers.

HERMAN SIEMENS, Buhler, Kansas

RED POLLED BULLS

Serviceable age. Also spring bull calves.

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

HERD BULL FOR SALE

3 1/2 years old. Fox's Pride 4th. Record of Merit ancestry. Sired by Neralcan Fearless, and his dam is Darlington Lily Pride. His half brother, Fox's Roan Prince, was grand champion at 1949 American Royal Dairy Show and reserve champion at State Fair at Hutchinson. Also have a young bull calf out of a Record of Merit cow. **B. E. THURSTON, Concordia, Kan.**

• AUCTIONEERS •



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Purebred Livestock, Real Estate and Farm Sales. Ask those for whom I have sold.

CLAY CENTER, KANSAS

CHAS. W. COLE
Auctioneer
Livestock, Farm and Real Estate Sales
1202 No. Washington, Wellington, Kan.

Beef CATTLE

Selling POLLED HEREFORDS



at Dickinson County Hereford Sale

Saturday, November 19

Comprising **A. L. F. Domino 4th** (a 3-year-old tried herd sire) and one of his heifers, also one bull and 2 heifers sired by **Worthmore Major**. Heifers bred to **A. L. F. Domino 4th**. Write for catalog.

We also have yearling bulls and bred heifers for sale at our farm.

GEO. L. RIFFEL & SONS
HOPE, KANSAS

Registered POLLED HEREFORDS



About 20 head of Cows and Heifers for sale, some with calves at side. Bred to **WHR Polled Helmsman** and **AFL Choice Domino 48**. Priced for immediate sale.

JOSEPH C. MAES, Bushton, Kan.

See Our Serviceable Age Registered Bulls at **N.C.K. HEREFORD SALE**

Belleville, Kan., November 8

They are sons of Royal Essar 30th (top selling bull at Tausig's Dispersion). Others for sale on the farm.

WILLIS KEIL, Jr.
Glasco, Kansas

Offering Shorthorn Bulls

5 Head registered, ages 15 to 17 months. Sired by **A. L. Rambler**, former State Fair grand champion. Also younger bulls and heifers. Farm 6 south and 6 west of Sterling.

CANTWELL STOCK FARM, Sterling, Kansas

POLLED SHORTHORN BULLS

You will like the thick, smooth, dark colored bulls we sell at Hutchinson, November 7, also those we present at Oxford, Nebraska, November 14. Have plenty of good ones at home.

THE MILLER STOCK FARMS, Mahaska, Kan.

SHEEP

OFFERING GOOD EWES EXTRA GOOD QUALITY

690 bred yearling ewes. Early lambs. Good in every way.

C. M. HARRIS, Grinnell, Kansas

Dairy CATTLE



REGISTERED BROWN SWISS DISPERSAL
(Private Sale)
33 HEAD
Due to other interests I will sell my entire herd at private dispersal sale consisting of
1 Herd Bull, 12 Cows, 7 Bred Heifers, 5 Open Heifers, 2 two-year-old Bulls, 1 Yearling Bull, 2 Heifer Calves, 2 Bull Calves.
CARROLL R. DONLEY
Oxford, Kansas



FOR SALE REGISTERED Brown Swiss BULL
Born March 24, 1949
An outstanding large boned bull, sired by a Blue Ribbon bull.
LEE M. WOODEN
Rt. 1, Dodge City, Kansas, Phone 2227 J 1

Offering Ayrshire Bull Calves
6 to 12 months old with Select and Preferred pedigrees. Sired by Woodhull Sunny Tim (approved) and out of dams sired by Whitpain Gallant King (approved).
FRANK SCHROCK, Rt. 1, Sterling, Kansas

For Sale REGISTERED AYRSHIRE COWS
Also bred heifers. Good quality. Production and popular bloodlines. Inspection invited.
BYRAN UNRUH, Marion, Kansas



WISCONSIN'S CHOICE
Registered Holstein, Brown Swiss, Guernsey heifer and bull calves. Also choice cows. Many from 500 lb. butterfat dams. Write or phone for prices and availability.
J. M. MUELLER & SON
Waterloo, Wisconsin



Offering Reg. HOLSTEIN BULLS
Five bulls from 10 to 18 months old from dams with records up to 632 lbs. fat. Reasonably priced. Type on these bulls is Excellent.
V. F. Rosenkranz, Washington, Kan.

FOR SALE—10 Months Old REG. HOLSTEIN BULL
Fine individual. Dam made 466 lbs. fat 2x at 12 years old. Classified "Very Good." His sire an intensely bred Burke bull, whose dam has a record of 797.8 lbs. fat as a 3-year-old and classified "Very Good." We also have younger bulls of the same breeding.
P. G. HEIBERT
Hillsboro, Kansas

SMOKY VALLEY HOLSTEINS
For Sale—2-year-old Springers and Cows with high records.
W. G. BIRCHER & SONS, Ellsworth, Kansas

BULL CALVES FOR SALE
We bred and developed the first and only Holstein cow in Kansas to produce 1,000 pounds of fat in 365 consecutive days. Young bulls with high-production dams or granddams.
H. A. DRESSLER, LERO, KAN.

HOLSTEIN BULLS
For Sale from cows with records up to 875 lbs. fat. For further information write
'NEIHART FARMS', Lyndon, Kansas

REGISTERED JERSEY BULL CALVES FOR SALE OR LEASE
Out of "very good" dams with butterfat records from 400 to 500 pounds. Calves sired by sons of Orange Blossom and Baillens.
DAVID M. SCHURLE
Rt. 1, Manhattan, Kan.



REGISTERED JERSEY BULLS SERVICEABLE AGES
Every animal carries over personal guarantee of satisfaction. We can please your wants for a purebred Jersey bull at a reasonable price.
BROOKSIDE JERSEY FARM
Sylvia (Reno County), Kansas.

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

Reliable Advertisers Only Are Accepted in KANSAS FARMER

ALL-KANSAS HEREFORD SHOW, Hutchinson, November 14. Something new has been added to the KANSAS HEREFORD ASSOCIATION'S SUNFLOWER HEREFORD FUTURITY program this year. An all-Kansas Hereford show will be held Monday, November 14, at the Kansas State Fairgrounds, Hutchinson; beginning at 10 a. m., according to word from Gene Watson, association secretary-manager.
In addition to the 60 Herefords selling in the futurity auction November 15, Kansas breeders will show some of their young cattle that are to be at the fair next year; giving show visitors a good cross section of the Kansas Hereford industry. Francis Hill, manager of Honey Creek Ranch, Grove, Okla., will judge the show.

Adding another great season to their unprecedented barrow winning record, **O'BRYAN RANCH**, Hiattville, monopolized the Hampshire show at the recent American Royal by winning every first except one.
In the barrow division, 1948 Illinois grand champion Tradewind was unequaled as a sire of the winners. They included the 1st and 3rd lightweight, 1st and 2nd middleweight and 1st and 2nd heavyweight. Champion Hampshire barrow and champion Hampshire pen of 3 also were sired by the popular Tradewind.
In the breeder division O'Bryan Ranch again scored for 1st prize and senior boar on a son of Champion and All-American Winners Glory. The 1st prize junior boar, also shown by O'Bryan Ranch, was a son of Tradewind.
The sow class winnings by O'Bryan Ranch were as follows: 3rd and 4th senior sows; 1st and 2nd junior sows; 1st and 2nd young herd sire by Tradewind; 1st and 3rd young herd sire by Tradewind; 1st and 3rd produce of dam and 1st breeder-feeder litter.
Two plaques were awarded O'Bryan Ranch. One for the best 5 head of barrows by one sire. The sire was Tradewind. The other was Premier Exhibitors plaque for the best 8 head of Hampshires shown by one exhibitor.

On October 20 O'Bryan Ranch held their annual Hampshire boar and gilt sale at the home ranch 7 miles west of Hiattville. One hundred and eleven head were sold for an average of \$126.

Public Sales of Livestock

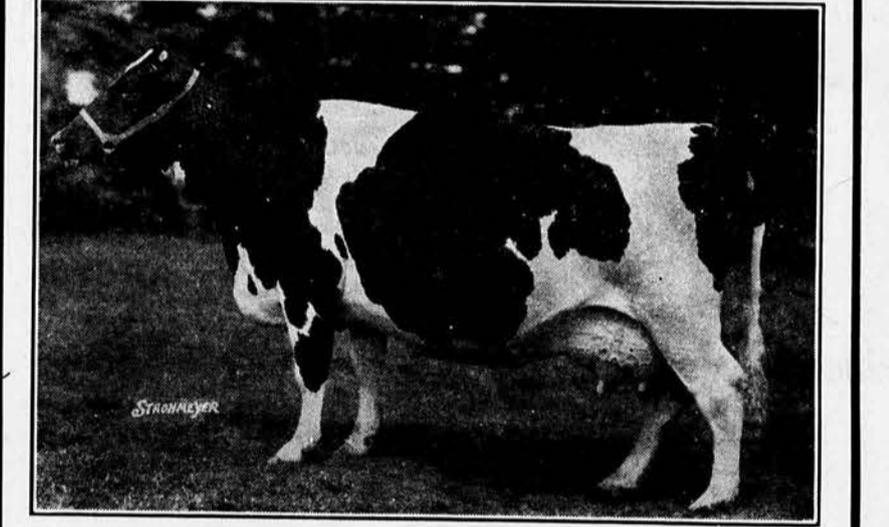
- Aberdeen-Angus Cattle**
November 10—Kansas State Angus Sale, Hutchinson, Kan.
November 11—N. C. Carroll & Sons, St. Marys, Kan.
November 12—E. Sherard, Lee's Summit, Mo. Sale at Silver Top Farm, Belton, Mo.
November 14—Evans-Archer-Catterson consignment sale, Maryville, Mo. Leo L. Archer, Manager, Conception, Mo.
November 21—Heart of America Association, St. Joseph, Mo. Ed Moody, Manager, 736 South Kansas Avenue, Olathe, Kan.
March 21—U. S. Center Angus Association, Smith Center, Kan. Leonard Patman, Secretary.
- Ayrshire Cattle**
December 1—Hoffman Brothers Dispersion, Abilene, Kan.
- Hereford Cattle**
November 7—Cowley County Hereford Breeders' Association, Chas. H. Cloud, Secretary, Winfield, Kan.
November 8—North Central Kansas Hereford Breeders' Sale, Belleville, Dr. George C. Wreath, Sale Manager.
November 9—Flint Hills Association, Cottonwood Falls, Kan. Elmo C. Stout, Sale Manager, Cottonwood Falls, Kan.
November 11—W. H. Tonn & Son, Haven, Kan.
November 14-15—Sunflower Hereford Futurity, Hutchinson, Kan.
November 16—Lincoln County Association, Sylvan Grove, Kan.
November 19—Dickinson County Hereford Association, Abilene, Kan.
December 9—Woody Hereford Ranch, Barnard, Kan.
December 9—The South Central Hereford Association, Newton, Kan. Phil Adrian, Sale Manager, Moundridge, Kan.
December 13—Matheson Brothers, Natoma, Kan.
December 14—B. K. Hereford Ranch, Longford, Kan. Sale at Minneapolis, Kan.
February 4—Northwest Kansas Hereford Breeders' Association, Topeka, Kan. Elmer Becker, Sale Manager, Meriden, Kan.
- Polled Hereford Cattle**
November 18—John Stumps & Son, Bushton, Kan.
November 21—Jesse Riffel & Sons, Enterprise, Kan.
December 12—Kansas State Polled Hereford Association, Hutchinson, Kan.
- Guernsey Cattle**
December 5—Kay County Guernsey Breeders' Association, Newkirk, Okla. W. R. Hutchinson, Secretary, Newkirk, Okla.
- Holstein Cattle**
November 7—Kansas Breeders State Sale, Herington, Kan. George E. Stone, Chairman Sales Committee, Medicine Lodge, Kan.
November 14—North Central Kansas Holstein Breeders' Association, Washington, Kan. Edwin H. Ohlde, Palmer, Kan.
November 17—A. J. Place, Emporia, Kan.
- Red Poll Cattle**
November 10—National Red Poll Sale, State Fair Grounds, Lincoln, Neb. F. A. Sloan, Secretary, 3275 Holdrege St., Lincoln, Neb.
- Jersey Cattle**
November 22—Elton W. Young, Cheney, Kan.
November 25—Lester Frey, Manhattan, Kan.
- Shorthorn Cattle**
November 7—Kansas Polled Shorthorn Sale, Hutchinson, Kan. State Fair Grounds, Lot F. Taylor, Sale Manager, Manhattan, Kan.
November 8—Kansas Shorthorn Breeders Sale, Hutchinson, Kan. State Fair Grounds, Lot F. Taylor, Sale Manager, Manhattan, Kan.
November 12—E. C. and Glen Lacey, Miltonvale, Kan. Sale at Clay Center, Kan.
November 15—Central Kansas Shorthorn Breeders Sale, Beloit, Kan.
- Polled Shorthorn Cattle**
November 14—Mid-West Polled Shorthorn Breeders' Association, Oxford, Neb. Mervin F. Aegerter, Sale Manager, Seward, Neb.
November 14—Third Annual Mid-West Polled Shorthorn Breeders Sale, Oxford, Neb. Mervin Aegerter, Sale Manager, Seward, Neb.
November 23—Smith and Talbert Dispersion Sale, Chillicothe, Mo. Mervin F. Aegerter, Sale Manager, Seward, Neb.
- Milking Shorthorn Cattle**
November 7—H. A. Rohrer, Junction City, Kan.
November 9—Cy Pauly & Son, Viola, Kan.
November 11—G. E. Kassebaum, M. D., El Dorado, Kan.
November 10—McPherson County Milking Shorthorn Breeders Sale, C. O. Heldebrecht, Secretary, Inman, Kan.
- Hampshire Sheep**
November 26—Northwest Missouri Breeders' Association, St. Joseph, Mo. F. B. Houghton, Secretary, Maryville, Mo.
December 3—International Hampshire Breeders, Oskaloosa, Ia.
- Suffolk Sheep**
December 3—North American Suffolk Breeders, Oskaloosa, Ia.
- Sheep—All Breeds**
November 7—Henry Bock, Wichita, Kan.
November 15—Kansas Purebred Sheep Breeders' Association, Hutchinson, Kan. R. F. Cox, Secretary, Manhattan, Kan.



Complete Absolute DISPERSAL SALE
High Grade, High Quality
HOLSTEINS AND HEREFORDS

At farm 3 miles west of EMPORIA, KANSAS, and 1/2 mile north of Highway U. S. 505 — Sale starts at 12 P. M. Under cover rain or shine.

THURSDAY, NOVEMBER 17



130 HEAD

- 87 HOLSTEINS (including a few reds and Guernseys)
- 51 COWS in milk (21 three years old, 7 four years old, 4 six years old, 7 seven years old, 3 five years old. 5 red cows in age from 2 to 5 years old.)
- 18 HEAD from Minnesota
- 16 VERY CHOICE HEIFERS (ready to be bred)
- 12 LAST SPRING HEIFERS (suitable for 4-H work)
- 3 HOLSTEIN-Guernsey HEIFERS
- 5 HOLSTEIN MATURE BULLS (2 of them registered)
- 22 EXTRA CHOICE PAST YEARLING HEREFORD STEERS
- 12 HOLSTEIN STEERS (1 to 3 years old)
- 3 RED STOCK COWS, 1 heifer calf
- 3 HEREFORD HEIFERS (very choice)

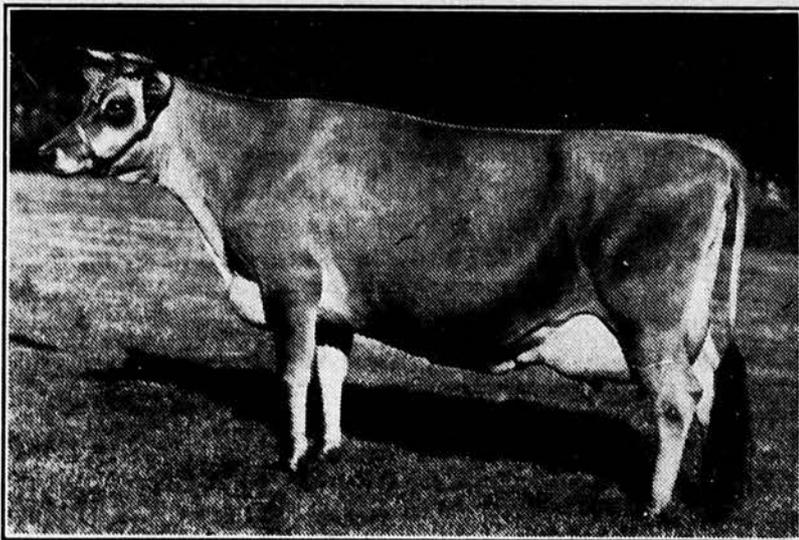
Remainder of offering bull and heifer calves. Some are officially adult vaccinated and some are officially calf-hood.
Among the attractions will be 42 Holstein heifers from the McFarland DHIA herd at Watertown, Wisc. 21 of them now in milk.

Lunch served on ground.
For further information address
A. J. PLAGE, Emporia, Kansas
Aucts.: Harold Tonn, Ed Wilson Jesse R. Johnson with Kansas Farmer



BRED EWE SALE
State Fair Grounds
HUTCHINSON, KANSAS
The KANSAS PUREBRED SHEEP BREEDERS' ASSOCIATION will hold its 4th Annual Show and Sale
MONDAY, NOVEMBER 21
High quality bred ewes of the Hampshire, Shropshire, Suffolk and Southdown breeds will be offered.
SHEEP ARE PROFITABLE
Breeders everywhere are becoming more and more reluctant to sell good bred ewes because of the extreme scarcity. This is your opportunity to add replacements to your flock or to establish a new flock.
Judging of Show Ewes, 10 A. M. — Sale, 1 P. M.
For catalog address—KANSAS PUREBRED SHEEP BREEDERS' ASSN.
R. F. Cox, Secretary, Manhattan, Kansas

Buy United States Savings Bonds



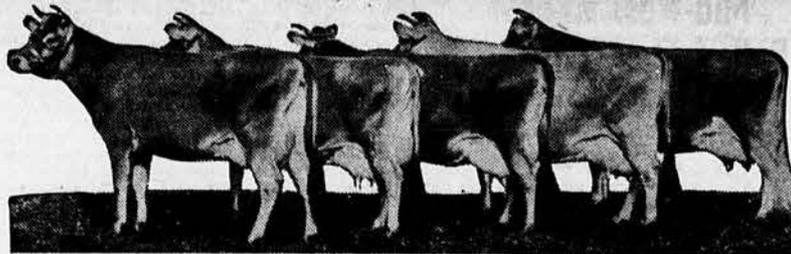
YOUNG'S REG. JERSEY CATTLE PRODUCTION SALE

At Shady Grove farm, 4 1/2 miles west of Cheney or 30 miles west of Wichita, then 1 1/4 south of U. S. Highway 54.

Tuesday, November 22 — 12:30 P. M.

55 HEAD, featuring the blood and service of our herd bulls—
RACHEL'S MASTERTON 480322 "Excellent" Superior Sire, son of Premier Masterton "Excellent" Superior Sire, and
BRAMPTON'S WHYNOT RACHEL "Excellent" (501 lbs. fat) and
ZANTHRA OF OZ 396796 "Very Good" Seven Star Superior Sire, son of Observer's King Onyx "Very Good" Silver and Gold Medal Sire and
EAGLE'S ROBERTA OF OZ "Excellent" Ton of Gold.
 30 Cows in milk or heavy springers. Some choice heifers.
 8 Young Bulls. Practically all are descendants of the 2 above named sires. Mr. J. Lawrence Byler is consigning 5 head.

For catalog address **ELTON W. YOUNG**, Cheney, Kansas
 Auctioneers: Boyd Newcom and Charley Cole



COMPLETE DISPERSAL SALE

HIGH GRADE, HIGH PRODUCING

JERSEY CATTLE

FRIDAY, NOVEMBER 25

Sale under cover at farm 1 mile north of Manhattan, Hwy. 13. All-weather road.

50 HEAD—Bred and developed on our farm (only registered bulls from high production ancestors have been used since the herd was established 32 years ago). DHIA tests were conducted during the twenties, with herd averages up to 413.6 lbs. fat. Testing was started again following the depression years.

1942 herd average—over 400 lbs.
 1946 herd average—372 lbs. fat (39 cows in herd).
 1947 herd average—438 lbs. fat (39 cows in herd).
 1948-49 herd test—will be above 375 lbs. fat (40 cows).

In maintaining this grade herd along with our registered herd, only strict top grade cows have been retained in the herd.

Offering Consists of

- 25 Cows, mostly from 2 to 8 years old, all now in milk or will be fresh during November and December. Some recently fresh.
- 5 First Calf Heifers to calve before January 1.
- 20 Heifer Calves to breeding age.
- 2 Mature Herd Bulls.

Our herd bulls over the years have come from leading herds and have carried the blood of many noted sires, such as—

Volunteer Regina Noble and Highfield Observer

A Grade-A Dairy has been maintained and the herd has been tested regularly by K.S.A.C. veterinarians.

It has become necessary to reduce the size of the herd and almost reluctantly we have decided to sell the entire grade herd, and continue with registered cattle. From the standpoint of production and type the grades are equal in every way to the registered cattle.

For catalog address **LESTER FREY (Owner)**, Rt. 4, Manhattan, Kansas
 Aucts.: Bert Powell, Lawrence Welter Mike Wilson & Jesse R. Johnson with Kansas Farmer

WASHINGTON, KAN., HOLSTEIN CONSIGNMENT SALE

Monday, Nov. 14—12:00 Noon
 Washington, Kan., Fair Grounds



Cattle consigned from North Central, North East and Capital Holstein Districts of Kansas.

40 Head of Registered Cattle
10 Head Grade Milk Cows

Breeders consigning cattle to the sale are:

Lambert Young	Torkelson Bros.	Carl Knudson, Jr.
Roy Koch	White Farms	Ed Peterson
W. F. Frerking	Harold C. Tuma	Oscar A. Ohlde
Carel Pults	Phillips Brothers	Raymond Ohlde
Wesley Nauwerth	Martin Blanke	L. C. Gudenkauf
Mrs. H. D. Burger & Son	Harold R. Kesler	Emil Meier

Choice bulls have been selected to sell in this sale. Most of them have dams that classified Very Good and have over 500 lbs. M. E. butterfat records. These bulls give a good selection from the popular Holstein families in Kansas.

There will be a good selection of cows and heifers offered in the sale. Some of the heifers will make good 4-H or FFA projects. Raymond Ohlde is selling 6 grade milk cows, all of these descendants from 1 cow family. Butterfat records go as high as 600 lbs. per year.

For catalog write **E. L. McClelland**, Washington, Kansas

Sale Committee:

Edwin Ohlde, Linn, LeRoy Johnston, Marysville, George Mueller, Hanover
 Auctioneers: Bert Powell, Ross Schaulis and Mike Wilson

COMPLETE DISPERSAL Registered Milking Shorthorn Herd Friday, November 11

Sale Starts at 11 A. M.
 1 mile south El Dorado, Kansas, Highway 54.
 1 Herd Bull—Mr. Superlord—Duallyn breeding.
 6 Young Bulls 12 Cows 9 Heifers
 Also 35 Grade Cattle and some machinery
G. E. KASSEBAUM, M. D. (Owner), El Dorado, Kansas
 Auctioneer: Walt Butterworth

6th Annual McPHERSON CO. MILKING SHORTHORN SALE

Sale under cover at the Martin M. Goering Farm 1 1/4 miles west of Moundridge, Kan. — **Thursday, November 10**

This is the sale that many have been waiting for. 20 FEMALES that should satisfy the critical buyers and 15 BULLS that are backed by good breeding and production. These bulls will be an asset to the average farmer or breeder. Don't miss this sale. Many of the females would make good 4-H Club projects.

For catalog write **C. O. HEIDEBRECHT**, Secretary, Inman, Kansas.
 Auctioneer: Gus Heidebrecht Pedigrees: Joe Hunter

Hoffmans' Production Ayrshire Sale AT FARM THURSDAY, DECEMBER 1



50 HEAD

23 Cows, most of them recently fresh.
 14 Heifers to freshen in January and February
 5 Open Yearling Heifers
 6 Heifer Calves
 1 Yearling Bull

Offering sired by or bred to proven bulls. 1948 herd production average 9,234 lbs. milk 4.4% 402 lbs. fat.

Write for catalog to **HOFFMAN BROS.**, Abilene, Kan.
 Auctioneers: Mike Wilson, Ross Schaulis, B. W. Stewart
 Jesse R. Johnson with Kansas Farmer



North Central Kansas Hereford Association Sale Belleville, Kan., Tuesday, Nov. 8

64 TOP REGISTERED HEREFORDS FROM 32 HERDS

The cattle will be judged at 9 A. M. and sold at 12:30 P. M.

36 Bulls, all of breeding age. Some good enough to head registered herds. The rest will improve commercial herds.

28 Females—3 Cows and Calves—14 Bred Heifers—11 Open Heifers

For sale catalog write **DR. GEORGE C. WREATH**, Sale Manager, Belleville, Kansas
 Mike Wilson or Jesse R. Johnson for Kansas Farmer

Mid-West Annual Polled Shorthorn Sale

Oxford, Nebraska
Monday, November 14.
(Sale Pavilion) 1 P. M.

48 HEAD, selected from 12 leading Nebraska and Kansas herds.
29 Bulls, many outstanding individuals, excellent for improvement in both registered and commercial herds.
19 Females, include breeding that has won in many big shows. Popular bloodlines and unusual individual quality.
4-H Club members and club leaders take notice. Prospects for 1950 will be sold.
For catalog write
MERVIN F. AEGERTER, Sale Mgr.
Seward, Nebraska

The farm once known as the Doctor Stillman Homestead, 1 mile north of Manhattan, on highway 13, has for more than a quarter of a century been the home of the Frey family, widely known as breeders of Jersey cattle. **LESTER FREY**, the present owner, came to the farm with his father and grew up in the atmosphere of dairying. Lester's 3 sons are now all in college. Two of them are studying dairy production and the third veterinary science. All 3 own registered Jerseys and all of them have won first in different years in 4-H dairy production contests. The Frey herd has been developed over a period of more than 30 years. Both registered and grade cattle have been maintained, but high class registered bulls have been used since the herd was established. Just the top grades have been kept from year to year. Now the grades are to be sold and the Frey family will continue with fewer cattle in numbers, but all of them will be registered cattle.

GLENN F. WISWELL, of Spring Hill, well-known Poland China breeder, held a sale of spring boars and gilts recently. The boar average was \$82. Ray Wise, of Louisburg, paid \$67.50 for No. 1 and 14 sold at the same figure to Evan McKoan, of Rantoul. The gilts average was \$55, with a top of \$72.50 paid by Charles H. Kohlenberg, of Paola. The Milking bred Shorthorns selling in rather poor condition sold up to \$350 for females and bulls as high as \$257.50. Fred Fitch, of Pittsburg, bought the top female. Wayne Stewart, of Gardner, was the heaviest buyer, taking 4 females and a 5-months-old bull calf sired by Edgwood Rochet.

BUY MISSOURI ANGUS in the Evans-Catterson-Archer Sale

Maryville, Mo., Nov. 14

at the 71 Sales Barn at south edge of town. 88 LOTS—ALL FEMALES except 1 BULL. A complete dispersion of the herd of Mrs. Rol M. Evans, Maryville, with consignments from Leo Archer, Conception, and Hal Catterson, Maryville. Cows with calves, bred cows, bred heifers and open heifers sell. The 3-year-old herd bull in the Evans herd sells. Very popular bloodlines offered. Write quickly for sale catalog to sales manager.
LEO ARCHER, Conception, Mo.

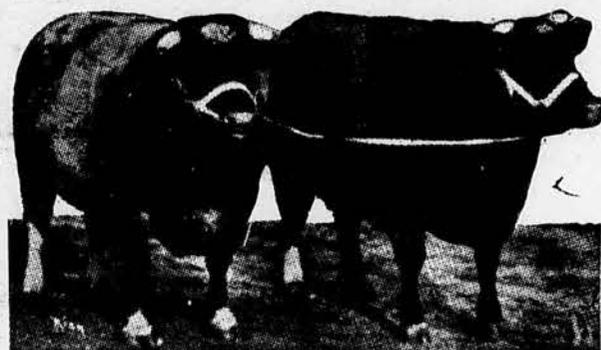
Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$32.00	\$25.00	\$28.75
Hogs	18.25	19.50	24.75
Lambs	24.00	23.00	25.50
Hens, 4 to 5 lbs.	.22	.21	.29½
Eggs, Standards	.46	.51½	.52½
Butterfat, No. 1	.57	.57	.50
Wheat, No. 2, Hard	2.27¼	2.27½	2.31
Corn, No. 2, Yellow	1.19½	1.25¼	1.37½
Oats, No. 2, White	.77½	.72½	.88
Barley, No. 2	1.39	1.15	1.28
Alfalfa, No. 1	32.00	30.00	30.00
Prairie, No. 1	16.00	16.00	17.00

Reliable Advertisers Only are accepted in Kansas Farmer

No. Central Kansas Shorthorn Breeders Show and Sale



Tuesday
Nov. 15
Show—9 A. M.
Beloit, Kan.
H. H. Shearer
Sale Pavilion
Sale—1 P. M.

BULLS

Many ready for heavy service.

FEMALES

Outstanding individuals with the most desirable bloodlines.

CONSIGNORS:

	Bulls	Females
H. D. ATKINSON & SON, Almena	2	2
HOMER ALKIRE, Belleville	1	0
BOOKER & PETERSON, Beloit	2	2
J. H. BOWSER & SON, Abilene	2	1
VINCENT FIELD, Almena	2	0
EMERSON S. GOOD, Barnard	3	1
S. A. HILL, Smith Center	1	3
KARL LENHART, Clay Center	1	0
WILLARD LENHART, Clay Center	1	0
LARRY LILAK, Wilson	0	1
MATT MORITZ, Tipton	2	0
JULIUS OLSON, Leonardville	2	3
ALVIN OTTE, Great Bend	1	0
RAY OPLINGER, Jewell	1	0
LEE PENNINGTON, Smith Center	1	0
ROTMAN BROS., Cawker City	2	0
R. R. WALKER & SON, Osborne	0	4
E. R. WALKER, Pawhuska, Okla.	0	1

This 16th offering of Purebred Shorthorns will please you. Plan to attend the Annual Banquet and election of officers of the Association at 7:30 P. M. on Monday, November 14.

Several choice steer calves suitable for 4-H Club and FFA projects will be sold at 12 noon, November 15.

For catalogue and other information write
EDWIN HEDSTROM, Secretary, Mankato, Kansas
Bert Powell—Auctioneer



Kansas Shorthorns IN TWO GREAT SALES



Both at the State Fair Grounds in
Hutchinson, Kan., November 7 & 8
Show 8:30 A. M. — Sale 12:30 P. M.

Consignors to Polled Sale, Nov. 7

J. C. BANBURY, Plevna
HARRY BIRD, Albert
WAYNE K. BOLDT, Raymond
BOOKER & PETERSON, Beloit
JOHN DUNN, Abbyville
EARL J. FIESER, Norwich
H. E. ESHELMAN, Sedgwick
CHAS. HECKE, Chase
MORRIS HOFFER, Haven
LOVE & LOVE, Partridge
CLYDE W. MILLER, Mahaska
McILRATH BROS., Kingman
GARLAND McNABB, Forgan, Okla.
IRVING NEIER, Mullinville
JOHN F. REECE, Langdon
W. A. ROSENBERGER, Greensburg
CECIL UNRUH, Greensburg
CARL WENZEL, Pretty Prairie
EMERSON S. GOOD, Barnard

Consignors to Scotch Sale, Nov. 8

R. L. BACH, Larned
ARTHUR BLOOMER, Lancaster
R. M. COLLIER & SON, Alta Vista
EVERETT CRAWFORD, Sedan
ADAM DIETZ, Galatia
GLENN GALLIART, Larned
EMERSON S. GOOD, Barnard
M. R. HARTLEY, Baxter Springs
H. S. HUMPHREY, Holton
WALTER A. HUNT, Arkansas City
EDD R. MARKEE & SONS, Potwin
McILRATH BROS., Kingman
LAWRENCE MINKS
F. H. OLDENETTEL, Haven
H. S. PECK, Wellington
VICTOR RAUSCH, Andale
E. L. STUNKEL, Peck
WILLIAM E. THORNE, Lancaster
RICHARD TINDELL, Burlingame
TOMSON BROS., Wakarusa
ARTHUR WAITS, Cassoday
W. A. YOUNG, Clearwater

ANNUAL BANQUET, Leon Hotel (Sale Headquarters), 7 P. M., November 7

Make banquet reservations with secretary. Make hotel reservations with the hotel. For catalog: LOT F. TAYLOR, Secretary, Manhattan, Kansas.

Kansas Shorthorn Breeders' Assn.

SHORTHORN SALE

NOVEMBER 12
Clay Center, Kansas
SALE BARN

Reduction Sale of the E. C. Lacy Herd and Consignments from the Glen Lacy & Son Herd



42 HEAD

12 Bulls—15 Cows with calves at foot—10 Bred Heifers—5 Open Heifers
The bulls are mostly sired by Divide Olympic. Some sired by our great herd bull Prince William the 20th pictured above. The bred heifers are carrying the service of this great bull. Prince William the 20th is sired by the imported Prince William. The 20th was first at the Shorthorn Congress Show and Sale at Chicago. Second at the American Royal in 1947. He was also Reserve Champion at the Kansas State Fair in 1948. Those of you who want the finest in breeding plus individuality and quality should not fail to attend this sale.

For catalog write E. C. LACY or GLEN E. LACY & SON, Miltonvale, Kan.
Bert Powell, Auctioneer
Mike Wilson for Kansas Farmer



QUEEN OF HEARTS 2nd X

120 POLLED SHORTHORNS
Cherry Hill Hallmark, Nonpareil and Hallmark 3rd—Herd Sires
New blood and of the best.
60 For Sale—Males, club calves, bred and open females. Some of all ages. Officially vaccinated. Guaranteed breeders. Also some show prospects. Prices right.
Location—we are 22 miles west and 6 miles south of Hutchinson, Kan.
J. C. BANBURY & SONS
Plevna, Kansas
Phone 13F2

REG. ABERDEEN-ANGUS SALE

St. Marys, Kan., Nov. 11

REZAK SALE PAVILION—Sale will be held rain or shine. The pavilion is well heated for bad weather, and St. Marys is on U. S. Highway 40, 25 miles west of Topeka, and about 30 miles east of Manhattan.

STARTING AT 1:00 P. M.—Plan to Attend This Sale Circuit
 November 10—Kansas State Sale, Hutchinson, Kansas
 November 11—N. C. Carroll & Sons, St. Marys, Kansas
 November 12—Ernie Sherard, Sale at Belton, Missouri



Selling 55 Head

- 16 Cows with calves at side
- 7 Bred Cows, a choice lot
- 10 Bred Heifers you'll like
- 1 two-year-old Bull
- 5 good young Bulls

R. L. S. ENVIOUS BURGESS 822723

50 Females --- 5 Bulls

The sale will feature the get and service of 2 great bulls. First, R. L. S. Envious Burgess 822723 (pictured above) a son of Blendmere Woodlawn, grand champion bull the 1945 Missouri State Fair, the 1945 Southwestern Regional, and the 1945 Kansas State Fair.

Second, the get and service of a son of Prince Sunbeam 46th, an outstanding younger bull with great promise and proven worth as a sire.

R. L. S. ENVIOUS BURGESS 822723

Calved June 5, 1944

Owned by N. C. Carroll and Sons, St. Marys, Kansas

Blendmere Woodlawn 546519	Blackcapmere 121st 480102	Blackmere 16th 345209	Prizemere 9th Blkhd of Rose. 41st
		Blackcap of Rose- mere 39th 406616	Queenmere 22d Blackcap C.B.
R. L. S. Burgess B. 717757	Blackcap Eileenmere S. 507030	Eileenmere H. 2d 459057	Eileenmere 33d Lady Marshall 3d
	Envious Blackcap B. 10th 566877	Blackcap 192d 433518	Earl Marshall 10th Blackcap 130th
Miss Burgess B. 15th 595400	Fairland Blackcap 36th 440216	Envious Marshall 3d Blkcp. Lassie B. 9th	Beel Marshall Fairland Blackcap
	Envious Blackcap B. 6th 504417	Envious Marshall 3d Blkcp. Lassie B. 9th	Envious Marshall 3d Maid of Rose Hill

R. L. S. ENVIOUS BURGESS 822723—Was grand champion at the Southwest Regional Show at Tulsa, 1945; also holds two other championships, same year. Sired by Blendmere Woodlawn, top-selling bull at the International, 1941. His dam, R. L. S. Burgess B. is one of the best Maid of Bummer cows.

Your Opportunity to Buy Good Useful Angus Cattle

For catalog and other information write—

N. C. CARROLL & SONS, St. Marys, Kan.

On U. S. Highway 40, 25 miles west of Topeka.

Roy Johnston and Ray Sims, Auctioneers

Jesse Johnson and Mike Wilson with Kansas Farmer

AUCTION---100 REGISTERED ANGUS



Sale in heated pavilion at Silvertop Farm,
Belton, Missouri
 (Silvertop Farm is 3 miles east of Belton on Hwy. 58.)

THE DATE IS

Saturday, November 12

This is a complete dispersion sale of the
 E. L. Sherard Herd of Lee's Summit, Mo.

SELLING 60 LOTS

5 Bulls, 45 Bred Cows, 10 Bred Heifers, 5 Open Heifers, 40 Calves
 The Bulls—1 senior herd sire, Evergreen's Eileenmere 500th, a son of Eileenmere 500th. 1 junior herd sire, R.L.S. Prince Eric 7th, a son of Prince Eric of Sunbeam. 3 young bulls of breeding age.

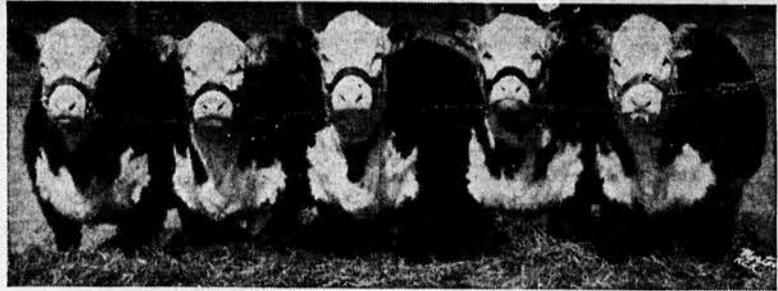
The Females: We sell desirable breeding cows, bred and open heifers as well as 40 good calves. The 40 calves are the greatest bunch of herd sire and 4-H prospects you have ever seen.

Farmer's Note—If you want to get started in the purebred Angus business you can't afford to miss this sale. Sale catalogs mailed on request, write to

E. L. SHERARD, Rt. 4, Lee's Summit, Missouri

Auctioneer: Roy G. Johnston

Donald Bowman with this publication



Don't overlook this . . .

Polled Hereford Sale

Bushton, Kan., November 18

SELLING 55 HEAD

AT THE RANCH

Located 1/2 mile north, 1 1/2 miles east and 2 miles north of Bushton, Kan.

18 BULLS

1 Proven Herd Sire

ALF Beau Rollo 39th 4521538.

8 Bulls, 16 to 18 Mos. Old

Sired by JMP Beau Domino 4661630, son of Beau Perfect 243d, John Lewis & Sons' herd sire, JMP Beau Domino sired the top-selling bull at the first annual sale of the Kansas Polled Hereford Association in 1948.

8 Yearling Bulls

Sired by JMP Beau Domino and ALF Beau Rollo 39th.

1 Bull

JSS Perfect Domino 5377603, calved November 30, 1947, and sired by JMP Beau Domino.

37 FEMALES

18 Open Heifers

16 to 18-months of age, sired by JMP Beau Domino and ALF Beau Rollo 39th.

9 Open Yearling Heifers

Sired by JMP Beau Domino and ALF Beau Rollo 39th.

10 Cows

Three to five years of age, some with calves by side and the rest to calve soon. The calves are sired by, and the cows bred to, JMP Beau Domino and ALF Beau Rollo 39th.

Freddie Chandler, Auctioneer
 Address all correspondence and requests for catalog to **VIC ROTH**, Box 3, Hays, Kan., Sales Manager.

JOHN STUMPS & SON, Bushton, Kansas

Freddie Kerbs, Herdsman



4th Annual Sale Dickinson County Hereford Association

Abilene, Kansas - November 19, 1949

FAIR GROUNDS

EISENHOWER PARK

Lunch will be served on the grounds

SHOW—10 A. M.

SALE—1 P. M.

50 Registered Hereford Cattle, Polled and Horned

23 BULLS

14 Horned
 9 Polled

27 COWS

12 Horned
 15 Polled

Cattle Selected by Sale Committee
 Popular Bloodlines in Polled and Horned Families

CONSIGNORS:

LOWELL ABELDT, Hope
 J. W. BOYCE, Carlton
 EARL ELLIOTT, Detroit
 F. M. FROELICH, Solomon
 DWIGHT GARVER, Abilene
 HOBSON BROS., Carlton
 RICHARD HOBSON, Carlton
 JONES HEREFORD FARM, Detroit
 ROY LOCKARD, Elmo
 ANDREW RIFFEL, Hope

DAN RIFFEL, Hope
 ELMER RIFFEL & SON, Hope
 GEORGE L. RIFFEL & SON, Hope
 IRA RIFFEL, Woodbine
 MANUEL RIFFEL & SONS, Hope
 DEAL L. SCHWARZ, Carlton
 EMMETT W. SCHUSTER, Hope
 FRED E. SEATON, Chapman
 T. L. WELSH, Abilene

Judge: M. B. Powell, Kansas State College

Auct.: Hamilton James, Newton, Ill. Mike Wilson for Kansas Farmer
 For catalog write V. E. McADAMS, Secretary, Abilene, Kan.

Buy United States Savings Bonds



SUNFLOWER HEREFORD FUTURITY

ALL-KANSAS HEREFORD SHOW
NOVEMBER 14

10 A. M. — State Fairgrounds
Hutchinson, Kan.

Judge: Francis Hill, Mgr. of Honey Creek Ranch, Grove, Okla.

Sale November 15 --- 12:30 P. M.

30 BULLS --- SELECTED --- 30 FEMALES

27 of these bulls are of serviceable age—Kansas cattlemen have bought big useful bulls from this sale at reasonable prices each year.

The heifers are a great group of prospective herd matrons. Many mated to top Kansas bulls.

For the catalog, please address:

GENE WATSON, Sec.-Mgr., Phone 2-5991, 846 Hedgewood, Topeka, Kan.
Freddie Chandler, Auctioneer Mike Wilson with Kansas Farmer

THE KANSAS HEREFORD ASSN.

REMEMBER THE ANNUAL MEETING AND BANQUET, MONDAY EVE, NOVEMBER 14



9th Annual Armistice Day Hereford Sale

AT VALLEY VIEW RANCH

3 miles west and 3 1/2 south of Haven, Kan., 11 miles south of Hutchinson on Highway 17 and 6 miles east of road sign.

FRIDAY, NOVEMBER 11

47 HEAD representing the natural accumulation of our herd, with a few from the herds of O. W. Fishburn & Son and Ralph Chain & Son.

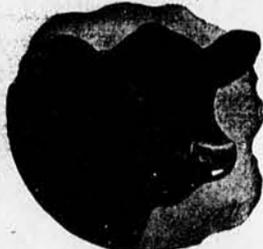
The offering is largely WHR breeding. Selling in good useful condition right off grass without any fitting, and capable of doing well in the buyer's hands.

40 GOOD BREEDING COWS — 7 BULLS

Buyers and visitors invited. Sale in pavilion on all-weather road.

For catalog address, W. H. TONN & SON, Haven, Kansas
Auctioneer: Harold Tonn Jesse R. Johnson with Kansas Farmer

NOVEMBER 21 (Monday) The Day to Buy ANGUS CATTLE Worth the Money



THE PLACE
The Purebred Livestock Sales
Pavilion in South St. Joseph, Mo.

A Distribution Sale of Unfitted Purebred
and Registered Aberdeen-Angus Cattle

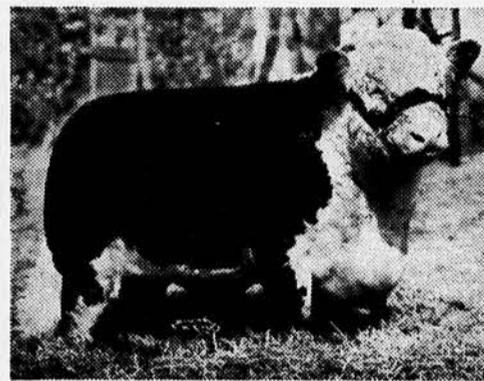
100 HEAD SELLING: 40 Bulls and 60 Lots of Females. Some of the females have calves at foot. Also bred cows, bred and open heifers. Bulls, just about anything you would need.

A BUYERS OPPORTUNITY: Buy them just as they come from the pasture. Not fitting, no conditioning for sale. They are consigned by breeders from that territory and the sale is sponsored with the idea that a lot of people would like to buy registered Angus in pasture condition. They will sell a number of them in lots of 3 head or more. Health: All Tb. and Bang's tested. Come see them sell. You are pretty sure to find something you want at a price you can afford to pay. SALE STARTS AT 1 P. M.

For sale catalog or other information write to

ED MOODY, Fieldman, 736 South Kansas Avenue, Olathe, Kansas
This Sale Sponsored by the HEART OF AMERICA ANGUS ASSN.
Auctioneers: Roy Johnston and Ray Sims Bert Powell with this publication

Come to PLAIN VIEW FARMS for Worthmore Polled Herefords



PVF ADVANCEWORTH 6TH
Full brother to Miss Advance 2nd.

Production Sale

Monday
November 21

At the farm 5 1/2 miles south
of Enterprise, Kan., on High-
way 42 (all-weather roads)
in new sale barn.



MISS ADVANCE 2ND

57 LOTS

Improved
Worthmores

The continuous use of Worthmore bulls has made possible a place for Plain View Polled Herefords among the leading herds in the entire country. Uniformly good heads, short straight legs and thick beefy quality, not only at Plain View Farms, but in herds where Worthmore bulls are being used.

12 Bulls—all serviceable.

35 Bred Heifers.

10 Foundation Herd Heifers (sell open).

30 Years of effort has gone into the production of this offering. It is our best so far.

For catalog address

PLAIN VIEW FARMS Jesse Riffel & Sons, Enterprise, Kan.

Auctioneer: Freddie Chandler
Mike Wilson and Jesse R. Johnson with Kansas Farmer

LINCOLN COUNTY HEREFORD ASSOCIATION SHOW and SALE

At Sylvan Grove, Sale Barn



Sylvan Grove, Kansas
Wednesday, November 16

JUDGING AT 9:30 A. M. SALE AT 1:30 P. M.

24 Bulls—19 Females—1 5-yr.-old Bull, 1 3-yr.-old Bull, 1 2-yr.-old Bull
21 Yearling Bulls—3 Cows—14 Yearling Heifers—2 Heifer Calves

CONSIGNORS

Edwin Goldgrabe, Sylvan Grove
Walter Goldgrabe, Sylvan Grove
Alfred Detmer, Lincoln
E. F. Detmer, Lincoln
Eldon Heller, Hunter
Armin Meitler, Lucas

Elmer Rebenstorf, Sylvan Grove
J. M. Ulin & Son, Hunter
Frank Sigle, Hunter
Floyd Sowers, Vesper
Lewis A. Williams, Hunter
Jim Wright, Vesper

Sale Committee: O. M. Wright, Edwin Goldgrabe and Floyd Sowers
Armin Meitler, President Jim Wright, Secretary

For catalog write JIM WRIGHT, Vesper, Kansas
Mike Wilson for Kansas Farmer



The Tank Truck



Prize-winning 4-H Club projects! Mr. Gloyd, Jimmy, left, and Joe, right, show off the boys' Angus steers. Mr. Gloyd has been using Conoco Products for 28 years!

Mules Delivered His Conoco!

Farming on the Gloyd and Stump farm, 7 miles north of Thermopolis, Wyo., is a family affair. The farm is operated by 2 brothers-in-law—H. S. Gloyd and H. J. Stump. In addition, they have as "assistants" Mr. Gloyd's 12-year-old son, Joe, and his nephew, Jimmy Hannon, also 12.

The boys are very active in 4-H work and are raising Angus steers this year, hoping to win more prizes like the grand champion and second awards they've won.

Mr. Gloyd, who is president of the Farm Bureau, has been using Conoco Products for 28 years—he can recall when

deliveries were made with mules. "Using Conoco Products 28 years tells exactly what we think of them," he says.

"We seldom have a repair bill—that is why we stick to Conoco Nth Motor Oil. Service, too, as well as the product, has always been excellent."

When a farmer of Mr. Gloyd's standing uses Conoco Products so long, you can be sure they are dependable—and economical. Better try some today. Call your Conoco Agent—he's ready, always, to give you the kind of service Mr. Gloyd and so many other farmers call "excellent."

Beef Roast



...by Mrs. Mary Gaswick, R. 1, Saltito, Tex.
Take a good roast with plenty of fat—not a rib roast, just firm all through. Take a can of pimento pepper, ¼ cup of vinegar, 9 tablespoons prepared mustard, 1 teaspoon onion juice or onion ground, salt to taste. Cream pimento fine with a fork, mix mustard, vinegar, salt, onion juice or finely ground ingredients to make a paste that is thick enough that it won't run off of roast. Spread a layer of paste over the roast. Set in oven. Spread a layer of paste over out of stove, put another layer of paste on, set back to brown. Keep this up until paste is gone and roast is brown all over and roast is tender. Keep just enough water in roaster to keep roast from burning. Take liquid and make gravy.

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

"Lower Cost-Longer Use"



"I changed to Conoco oils and greases because the premium grade oil I was using increased in price," reports Ralph H. Mock, Altus, Okla. "Since changing to Conoco lubricants, however, I have

found that price has been a very small part of my savings. I not only use less but my equipment runs longer between overhauls and the motors are so much cleaner when I do overhaul them. I farm 1,600 acres of mixed and tight land on which is grown wheat, alfalfa and other feed crops. From 100 to 400 steers and an average of 400 sheep are fed through the year. I have used Conoco lubricants exclusively for the last 14 years... Floyd Allen, Conoco Agent, has given me the best of service. I can depend on him to get the right kind of lubricants in the right place when I need them. I strongly recommend the use of Conoco Nth and HD Motor Oils and Conoco Greases to others because of economy. I am sure that my savings can be credited to the use of Conoco Products."

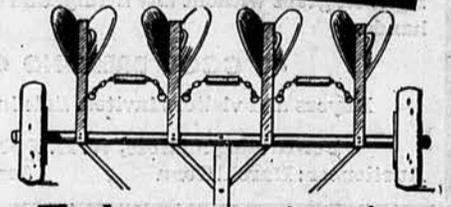
"6912 Hrs. Without Trouble"

"Our farms are located in the Wisconsin dairy land in the Buck Creek Valley of Southwestern Wisconsin," writes H. Brewer, Richland Center, Wis. "The farms are surrounded by great, picturesque bluffs which are familiar to everyone who has visited Southern Wisconsin. Each year my 4 sons and I harvest 200 tons of hay, 1,500 bushels of Clinton oats, 1,000 bushels of husked corn and 3 silos full of silage. I raise purebred Holstein dairy cattle and have won the blue ribbon first prize with my champion Holstein cow at the Richland County Fair. We use Conoco Nth Motor Oil all the time and feel it is also a 'thoroughbred' product. We like the Conoco greases real well, too. Our 2 Allis-Chalmers tractors have gone approximately 6,912 hours on Conoco Nth without any mechanical failures." That, of course, is because of the way Conoco Nth OIL-PLATES the moving parts of the tractor engines. You see, there's a special ingredient in Conoco Nth that fastens a film of lubricant right to the metal—protects automobile and tractor engines against wear. Mr. Brewer's record of 6,912 hours without any trouble shows what a fine oil Conoco Nth is. Try some, soon.



★ ★ ★
YOUR CONOCO AGENT

FARM KITCHEN

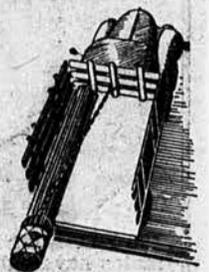


To Improve Listing

To cover weeds better, run chains (from old automobile mud chains) through a short piece of pipe and fasten them to your lister, as shown in drawing. Leaves fewer weeds above the soil, says Kay Strate, R. 1, Kinsley, Kans.

To Haul Pipe

"I sure used to get disgusted trying to haul well pipe and pump rods," says T. G. Schillerstrom, Salina, Iowa. "Now I keep them from sliding off the truck by slipping an empty 5-gallon Nth oil pail over the end of the pipe and tying it to the truck."



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